2015 Second Semiannual Water Quality Monitoring Report

Tomoka Farms Road Landfill, Volusia County

Facility SW WACS No. 27540

January 2016

Submitted To:

Florida Department of Environmental Protection
Central District
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1.0 Introduction

HDR Engineering is submitting the 2015 Second Semiannual Water Quality Monitoring Report for the Tomoka Farms Road Landfill (TFRLF) (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. 0078767-030-SO-01) issued June 28, 2013 and the Class III Facility Permit (No. 0078767-038-SO-MM) issued July 27, 2015. 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. 0078767-038-SO-MM). 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. The data for the current submission was obtained during the routine semiannual detection-monitoring event conducted from November 9 to 20, 2015. Fifty groundwater samples and seven surface water samples were monitored for the parameters outlined in the approved MPIS for the facility. The wells monitored are based on an updated list in Attachment A for the Class III Cell Modified Permit (Permit No. 0078767-038-SO-MM). Semiannual groundwater samples and semiannual surface water samples were analyzed for the parameters listed in No. 7 and No. 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 November 2015 sampling event are included below with recommendations.

2.0 Field Sampling and Laboratory Analysis

The groundwater sampling activities for this semiannual event were conducted from November 9 to 20, 2015 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 is provided in Table 1. The surface water levels (staff gage readings) for SW-1 through SW-5 and SW-11 through SW-12 were measured, and the calculated surface water elevations are provided

in Table 2. 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 7 (23 wells in Zone 1-2, 22 wells in Zone 3-4, 2 wells in Zone 6, and 3 wells in the Floridan aquifer). Seven surface water samples (Table 2) were also collected during the sampling event. The collected samples were placed on ice and shipped to the PACE laboratory under signed chain of custody documentation. A trip blank and equipment blank 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 and surface water elevations, calculated from November 9, 2015 water level measurements, are shown in Tables 1 and 2, respectively. 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 a north and northeasterly groundwater flow direction for all aquifer zones across the TFRLF with minor mounding near B74 in Zone 1-2. These groundwater flow directions across the site are similar to historical groundwater flow determinations.

Surface water elevations for Zone 1-2 are shown in Table 2. The surface water levels are comparable to the groundwater levels at nearby wells for Zone 1-2 (Figure 2).

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, chloride, iron, sodium, total dissolved solids (TDS), and pH. A summary of the groundwater parameters detected above their respective detection limits are included in Tables 4 (Zone 1-2), 5 (Zones 3-4), 6 (Zone 6), and 7 (Floridan aquifer). The full laboratory analytical results and field sampling logs provided by Pace are included in Attachment 1. The parameter exceedances are detailed below:

4.1.1 Ammonia-N

Ammonia-N concentrations were detected in compliance wells B43-2 (4.9 mg/L) and B64 (3.1 mg/L) in Zone 1-2 exceeding the GCTL of 2.8 milligrams per liter (mg/L). In Zone 3-4, ammonia was detected above the GCTL in background well B2 (5.6 mg/L), compliance wells B-1B (16.9 mg/L), B85 (18.0 mg/L), and MO5-B (4.0 mg/L). In Zone 6, ammonia was detected above the GCTL in B85-6 (18.2 mg/L) above the GCTL. Ammonia did not exceed the GCTL in the Floridan aquifer. The likely source of groundwater ammonia-N is from microbial degradation of organic including plant and animal tissues and discarded materials (see detail in the HDR response letter to DEP dated October 9, 2015).

The ammonia exceedances listed above have historically exceeded the GCTL at the TFRLF and evaluation monitoring has been initiated for ammonia under the direction of the October 26, 2009, FDEP letter. Per FDEP Memorandum dated December 3, 2012, addressing the subject "Monitoring and Evaluation of Ammonia in Groundwater at Solid Waste Management Facilities SMW-13.10," the ammonia GCTL is no longer being relied on or independently enforced. Consequently, ammonia-N alone is no longer used by FDEP for regulatory compliance. The unionized ammonia was not detected during this semiannual monitoring event. Therefore, the detection of ammonia-N in groundwater is not an issue.

4.1.2 Arsenic

Arsenic was detected above the PDWS of 10 µg/L in in Zone 1-2 groundwater wells B33-2 (12.2 mg/L), B39 (18.0 µg/L), B45-2 (114 µg/L), B73-2 (11.1 µg/L), and B75 (32.4 µg/L). Arsenic has been historically detected above the PDWS in the groundwater at the landfill.

4.1.3 Benzene

Benzene was detected above the PDWS of 1.0 µg/L in background Monitoring well B-36 (2.4 µg/L) in Zone 4 and in compliance wells B37-1 (11.3 µg/L) in Zone 4. Benzene was not detected above the PDWS in Zones 1-2 and 6 or the Floridan aquifer.

Benzene in the vicinity of the background well B-36, and compliance wells B5 and B37-1 is currently being monitored under the semiannual B5/B37 assessment monitoring program and the B5 remediation activities approved under the Limited Scope Remedial Action Plan (LRAP) Approval Order dated March 19, 2009. The other benzene exceedances at B-36 have historically exceeded the PDWS at the TFRLF.

4.1.3 Iron

Iron was detected above the SDWS of 300 µg/L in most groundwater monitoring wells in Zones 1-2, 4, and 6 of the surficial aquifer and 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 TFRLF.

4.1.4 pH

The pH levels were below SDWS pH lower limit of 6.5 in 19 of the 23 wells in Zone 1-2, in 21 of the 22 wells in Zone 4, and in both wells at Zone 6. The pH values were within the SDWS range for pH in the Floridan aquifer. Historically, field pH values in the surficial aquifer at the TFRLF are below the SDWS lower limit.

4.1.5 Chloride

Chloride concentrations exceeding the SDWS of 250 mg/L were detected at one Zone 4 groundwater monitoring well B8-2 (648 mg/L) in Zone 4 (Table 5). Chloride was not detected above the SDWS in Zone 1-2， Zone 6, or in the Floridan aquifer. In a letter dated October 26, 2009, the FDEP indicated that implementation of evaluation monitoring for chloride is not required. Therefore, no additional actions are recommended at this time.

4.1.6 Sodium

Sodium was detected at or above the PDWS of 160 mg/L in one well B37-1 (255 mg/L) in Zone 4. This well has historically exceeded the sodium standard at the TFRLF. Sodium did not exceed the PDWS in Zone 1-2, Zone 6, or the Floridan aquifer. In a letter dated October 26, 2009, the FDEP indicated that implementation of evaluation monitoring for sodium is not required. Therefore, no additional action is recommended at this time.

4.1.7 TDS

TDS concentrations exceeding the SDWS, of 500 mg/L, were detected in a total of 7 wells in Zone 1-2, 11 wells in Zone 3-4, and 1 well in Zone 6. TDS was not detected above the SDWS in the Floridan aquifer. TDS has historically exceeded the SDWS at the TFRLF.

4.2 Surface Water Quality Results

Surface water quality data were collected on November 12, 2015, by Pace for 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 8. The pH was detected within the Class III fresh

water range (6.0 – 8.5 S.U.) in all surface water samples. Dissolved oxygen at all seven surface water points was detected below the Class III fresh water limit (>5 mg/L). Iron was detected in SW-2 and SW-5 above the Class III Standard of 1000 µg/L. These detections are consistent with the historic results. No any other parameters (including unionized ammonia-N) were detected above any surface water standards.

5.0 Conclusions and Recommendations

The findings from the 2015 second semiannual sampling event indicate that the northeasterly groundwater flow direction. The parameters detected above the groundwater and surface water standards at the site are comparable to historical data. Parameters that exceeded groundwater standards include ammonia, arsenic, benzene, chloride, iron, sodium, TDS, and pH. Surface water parameters detected above their respective Class III criteria during the 2015 Second semiannual sampling event include dissolved oxygen and iron. Exceedances found in the groundwater and surface water samples are consistent with historical data. Most of these parameters showed a decreasing trend from historic data. Since the unionized ammonia-N was not detected in the surface water above the detection limit, no actions are required regarding groundwater ammonia-N detections. Currently, the TFRLF is performing B5/B37 area semiannual assessment monitoring and B5 area remediation action status and evaluation monitoring.

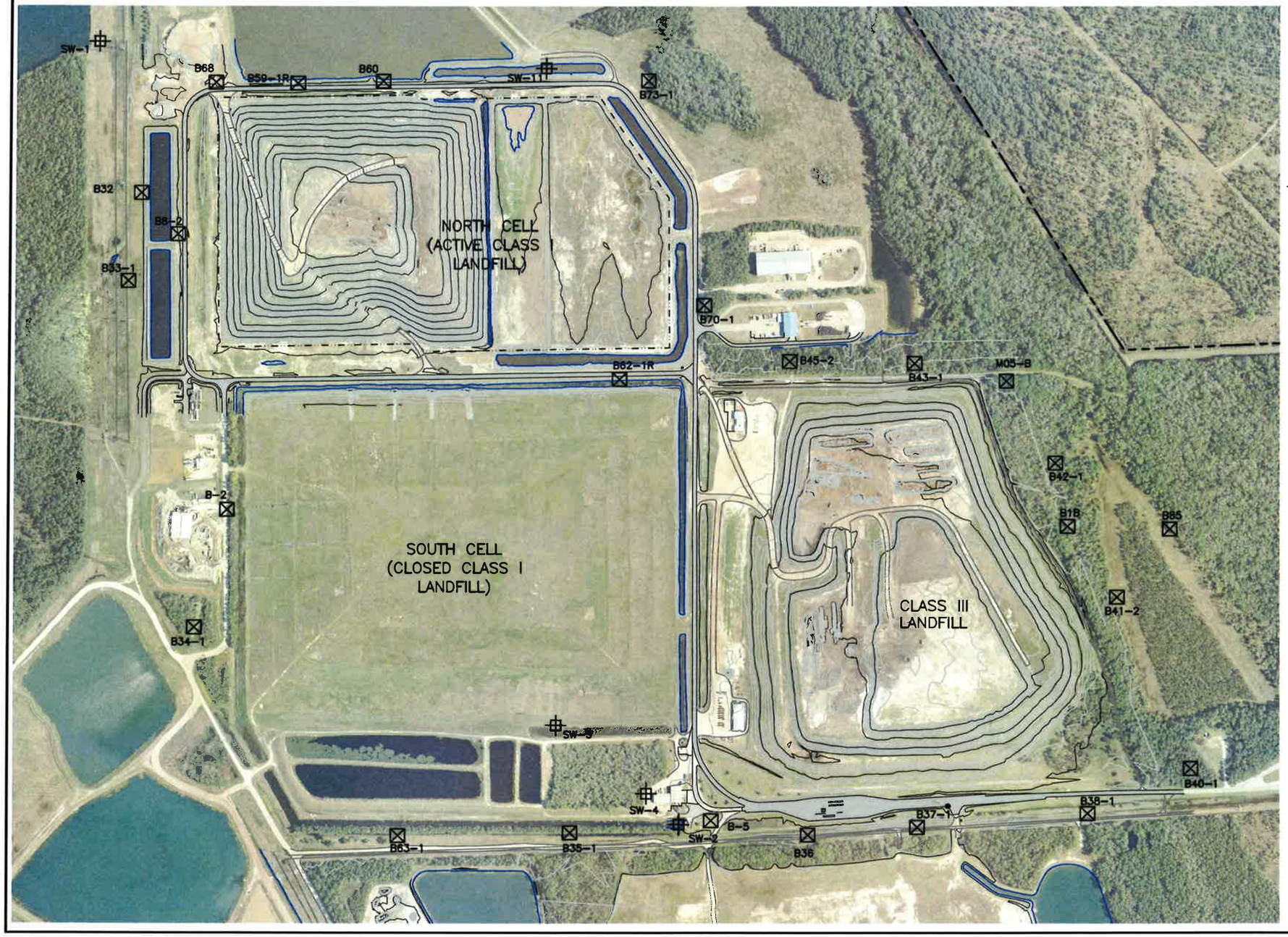
6.0 Professional Certification

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.

Handi Wang, PhD
HDR Engineering, Inc.
Sr. Environmental Scientist

John Catches, PG
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 235490

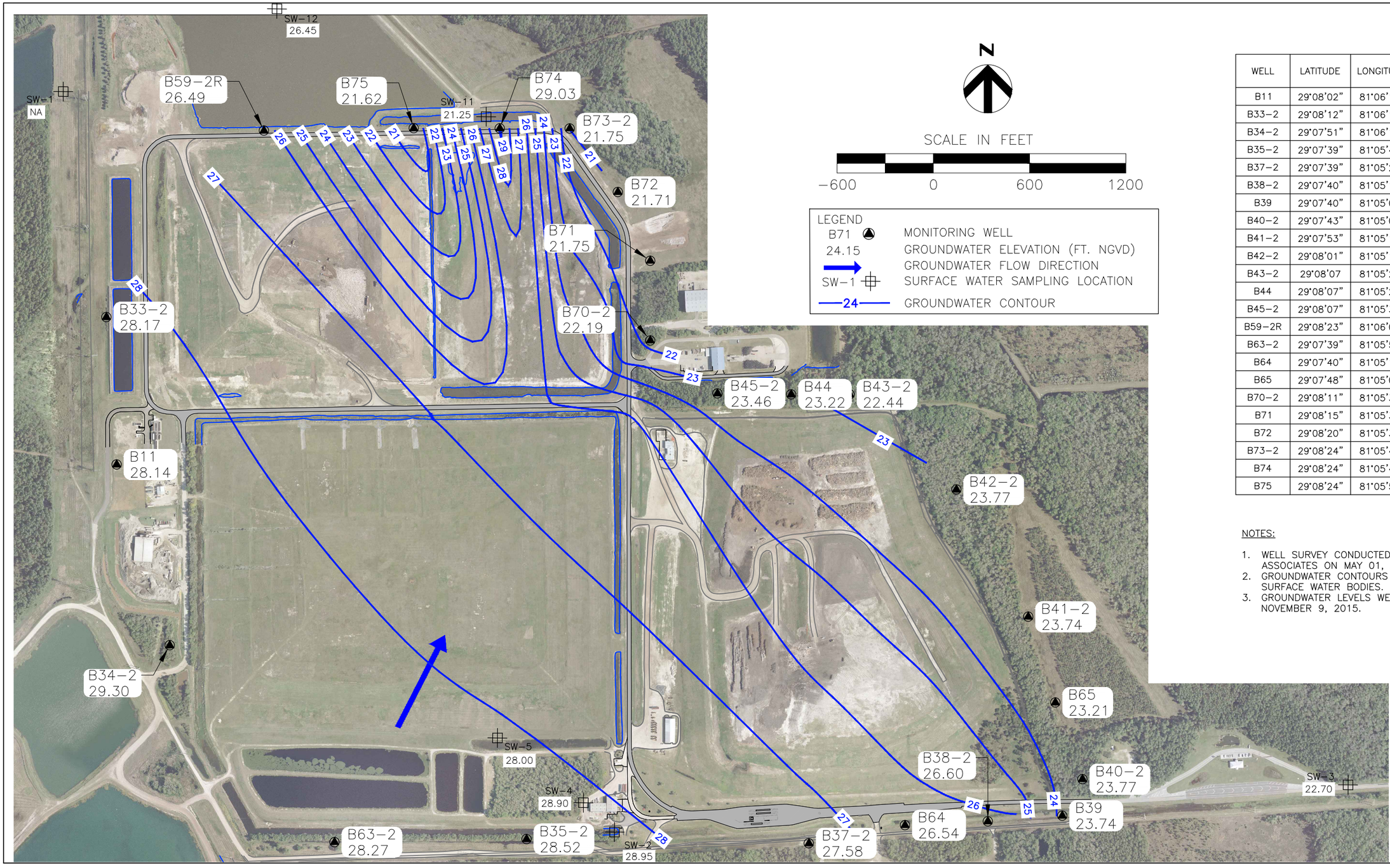
PROJECT MANAGER J. CATCHES

DATE 07/2015

REFERENCE SHEET

REFERENCE DOCUMENT

EXHIBIT NUMBER FIGURE 1



N

SCALE IN FEET

−600 0 600 1200

LEGEND

B71	MONITORING WELL
24.15	GROUNDWATER ELEVATION (FT. NGVD)
	GROUNDWATER FLOW DIRECTION
SW−1	SURFACE WATER SAMPLING LOCATION
24	GROUNDWATER CONTOUR

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 ON NOVEMBER 9, 2015.

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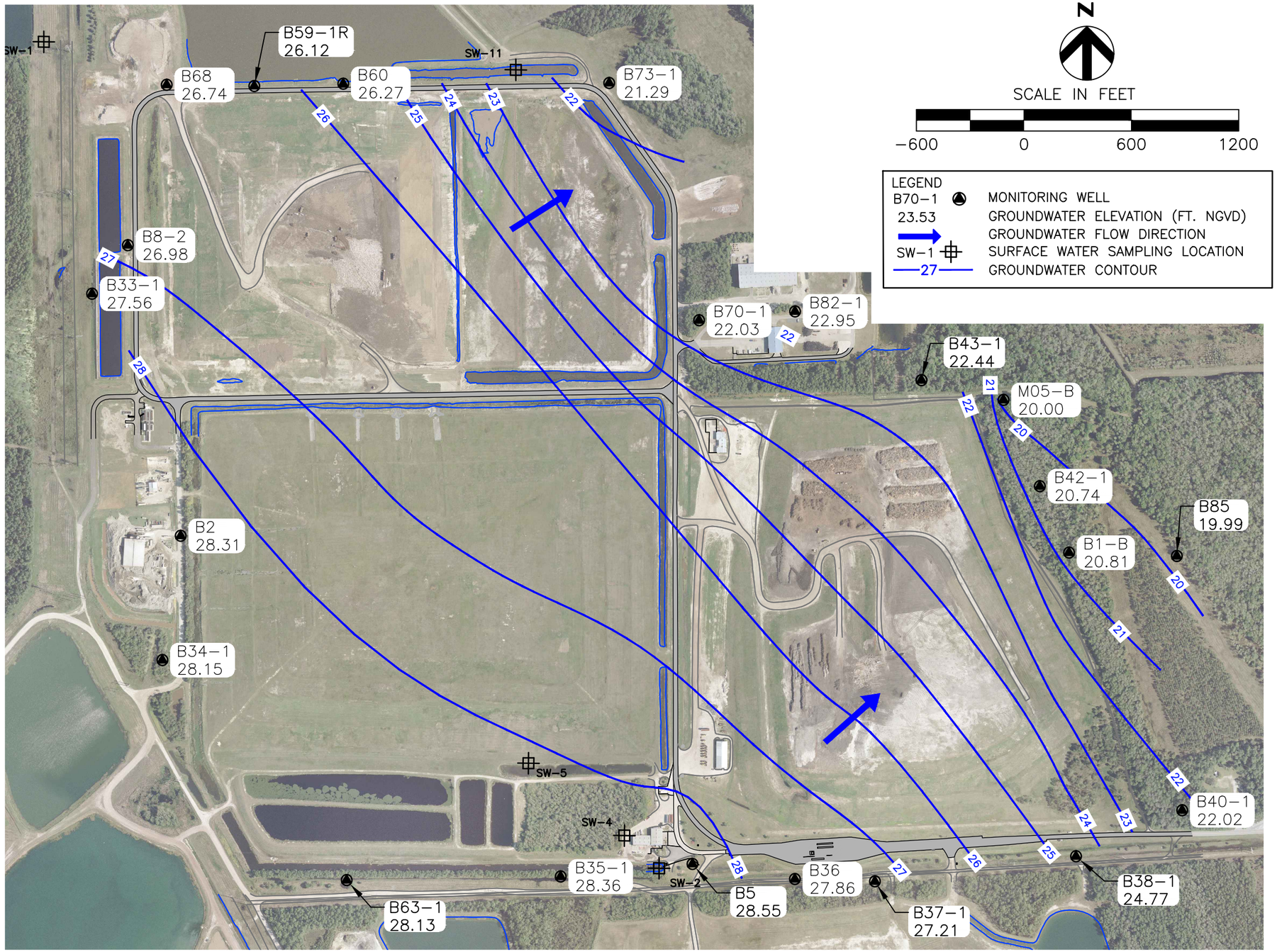
PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
ZONES 1 & 2 GROUNDWATER POTENTIOMETRIC MAP
2ND 2015 SEMIANNUAL SAMPLING EVENT

PROJECT NUMBER 235490
PROJECT MANAGER J. CATCHES
DATE 01/2016

REFERENCE SHEET
REFERENCE DOCUMENT
EXHIBIT NUMBER FIGURE 2



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

NOTES:

1. WELL SURVEY CONDUCTED BY SLIGER & ASSOCIATES ON MAY 01, 2009.
2. GROUNDWATER LEVELS WERE MEASURED ON NOVEMBER 9, 2015.

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PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
ZONE 4 GROUNDWATER POTENTIOMETRIC MAP
2ND 2015 SEMIANNUAL SAMPLING EVENT

PROJECT NUMBER 235490
PROJECT MANAGER J. CATCHES
DATE 01/2016

REFERENCE SHEET
REFERENCE DOCUMENT
EXHIBIT NUMBER FIGURE 3

N

SCALE IN FEET

−600 0 600 1200

LEGEND

B76-6	MONITORING WELL
19.63	GROUNDWATER ELEVATION (FT. NGVD)
	GROUNDWATER FLOW DIRECTION
SW-1	SURFACE WATER SAMPLING LOCATION
20	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

NOTES:

1. WELL SURVEY CONDUCTED BY SLIGER & ASSOCIATES ON MAY 01, 2009.
2. GROUNDWATER LEVELS WERE MEASURED ON NOVEMBER 9, 2015.

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PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
ZONE 6 GROUNDWATER POTENTIOMETRIC MAP
2ND 2015 SEMIANNUAL SAMPLING EVENT

PROJECT NUMBER 235490

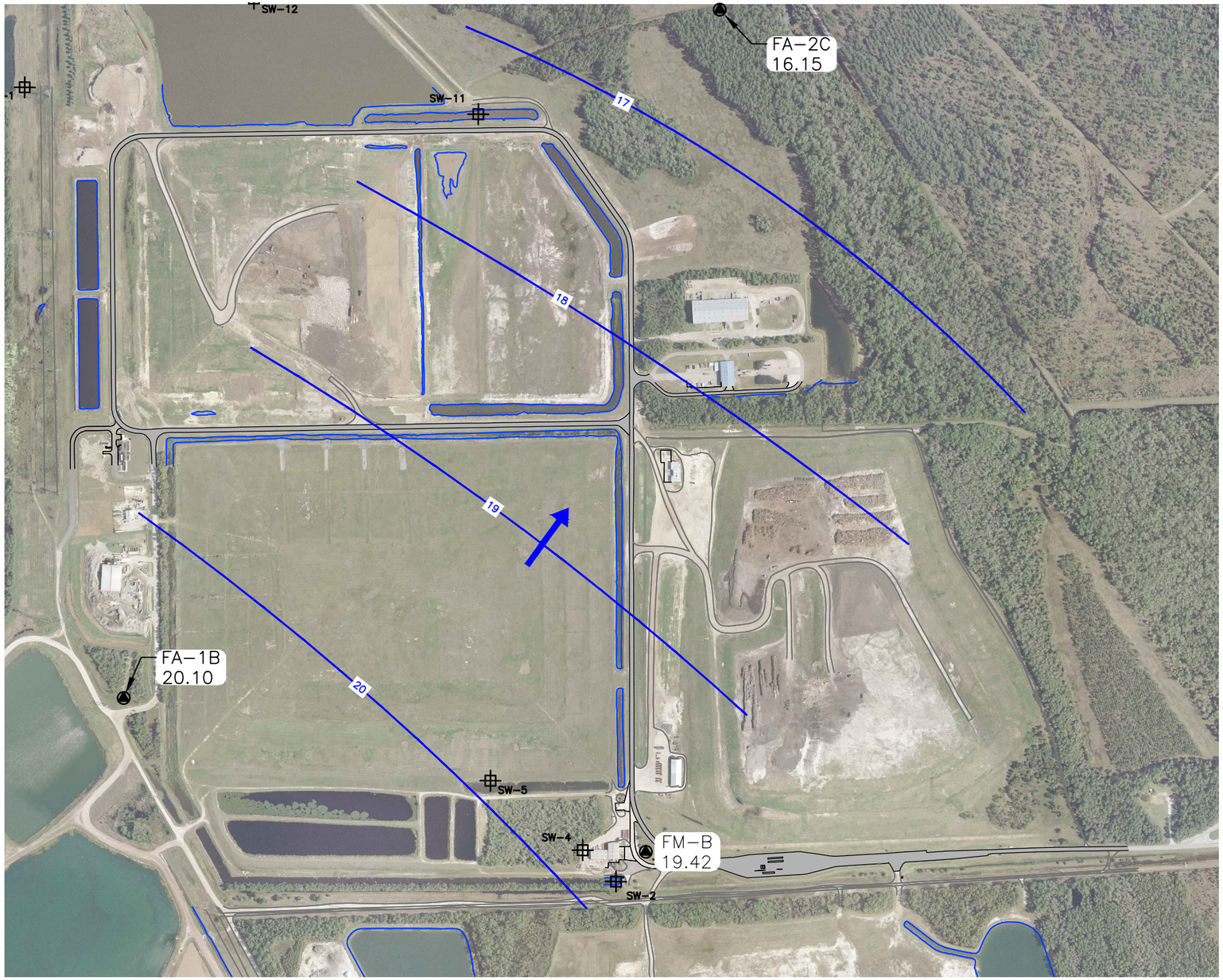
PROJECT MANAGER J. CATCHES

DATE 01/2016

REFERENCE SHEET

REFERENCE DOCUMENT

EXHIBIT NUMBER FIGURE 4



N

SCALE IN FEET

−700 0 700 1400

LEGEND

FA−2C	MONITORING WELL
15.60	GROUNDWATER ELEVATION (FT. NGVD)
	GROUNDWATER FLOW DIRECTION
SW−1	SURFACE WATER SAMPLING LOCATION
15	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 ON NOVEMBER 9, 2015.

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PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE
FLORIDAN AQUIFER GROUNDWATER POTENTIOMETRIC MAP
2ND 2015 SEMIANNUAL SAMPLING EVENT

PROJECT NUMBER 235490

PROJECT MANAGER J. CATCHES

DATE 01/2016

REFERENCE SHEET

REFERENCE DOCUMENT

EXHIBIT NUMBER FIGURE 5

Tables

Table 1
Groundwater Elevation Data
2nd Semiannual 2015 Compliance Monitoring Event
Tomoka Farms Landfill
Monitoring Date: November 9, 2015

Well Number	Aquifer Zone	Top of Casing (feet, NGVD)	Depth to Water (ft below TOC)	Groundwater Elevation (ft, NGVD)
Zone 1 & 2				
B11	1-2	32.95	4.81	28.14
B33-2	1-2	32.97	4.80	28.17
B34-2	1-2	31.20	1.90	29.30
B35-2	1-2	29.34	0.82	28.52
B37-2	1-2	28.76	1.18	27.58
B38-2	1-2	28.12	1.52	26.60
B-39	1-2	29.09	5.35	23.74
B40-2	1-2	27.67	3.90	23.77
B41-2	1-2	29.27	5.53	23.74
B42-2	1-2	28.47	4.70	23.77
B43-2	1-2	28.23	5.79	22.44
B44	1-2	30.03	6.81	23.22
B45-2	1-2	30.35	6.89	23.46
B59-2R	1-2	33.12	6.63	26.49
B63-2	1-2	30.38	2.11	28.27
B64	1-2	28.22	1.68	26.54
B65	1-2	27.97	4.76	23.21
B70-2	1-2	31.51	9.32	22.19
B71	1-2	30.75	9.00	21.75
B72	1-2	28.93	7.22	21.71
B73-2	1-2	28.95	7.20	21.75
B74	1-2	33.78	4.75	29.03
B75	1-2	31.62	10.00	21.62
Zone 4				
B-1B	4	28.78	7.97	20.81
B-2	4	34.53	6.22	28.31
B-5	4	32.59	4.04	28.55
B8-2	4	33.37	6.39	26.98
B33-1	4	34.69	7.13	27.56
B34-1	4	31.19	3.04	28.15
B35-1	4	29.26	0.90	28.36
B-36	4	29.33	1.47	27.86
B37-1	4	28.63	1.42	27.21
B38-1	4	28.24	3.47	24.77
B40-1	4	27.77	5.75	22.02
B42-1	4	28.30	7.56	20.74
B43-1	4	28.09	5.65	22.44
B59-1R	4	32.44	6.32	26.12
B60	4	32.95	6.68	26.27
B63-1	4	30.03	1.90	28.13
B68	4	32.98	6.24	26.74
B70-1	4	31.03	9.00	22.03
B73-1	4	29.20	7.91	21.29
MO5-B	4	29.80	9.80	20.00
B82-1	4	30.78	7.83	22.95
B85	4	27.07	7.08	19.99
Zone 6				
B85-6	6	27.02	7.13	19.89
B87-6	6	29.37	9.9	19.47
Floridian Aquifer				
FA-1B	FL	32.22	12.12	20.10
FA-2C	FL	28.10	11.95	16.15
FM-B	FL	33.88	14.46	19.42

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
2nd Semiannual 2015 Compliance Monitoring Event
Monitoring Date: November 9, 2015

Location	Staff Gage Reference Elevation (NGVD)	Staff Gage Reading (feet)	Surface Water Elevation (NGVD)
SW-1	NA*	NA	NA
SW-2	24	4.95	28.95
SW-3	21	1.70	22.70
SW-4	26	2.90	28.90
SW-5	24	4.00	28.00
SW-11	17	4.25	21.25
SW-12	22	4.45	26.45

*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, Zone 1-2 Wells
Tomoka Farm Road Landfill, Volusia County
2015 Second Semiannual Monitoring
Sampling Date: November 12 to 20, 2015

Parameter	Standard	Detected Results																						Units
		B11	B33-2	B34-2	B35-2	B37-2	B38-2	B39	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 Parameters																								
Dissolved Oxygen	NS	0.25	0.87	0.32	0.11	0.17	0.11	0.19	0.11	0.17	0.17	0.13	0.61	0.32	0.27	0.22	0.13	0.12	0.31	0.16	0.34	0.36	0.17	0.18	mg/L
pH	6.5-8.5**	**5.00**	6.51	6.65	**4.97**	**5.98**	**5.79**	**4.70**	**5.89**	**6.32**	**5.77**	**5.74**	**5.03**	**5.34**	**6.33**	**6.33**	**6.17**	6.87	**5.77**	**5.07**	**6.29**	**6.18**	6.58	**6.21**	S.U.
Specific Conductance	NS	216	1190	1418	491	455	624	265	616	563	374	994	209	1314	904	907	940	573	440	190	537	275	733	1355	umhos/cm
Temperature, Water	NS	26.79	24.29	23.84	23.57	24.62	23.58	24.57	23.45	23.36	23.16	23.25	23.27	23.42	25.88	24.21	24.21	23.32	24.98	25.15	26.07	25.61	24.02	25.94	Deg. C.
Turbidity	NS	0.72	16.9	2.03	1.74	4.42	1.69	1.98	15.84	0.43	1.6	8.76	1.51	6.9	10.09	5.64	6.4	0.56	3.64	7.03	10.76	6.83	2.87	7.42	NTU
General Chemistry																								
Chloride	250**	18.8	45.3	66.8	110	26.6	43.8	38.7	26.9	19.5	9.8	125	40.1	278	26.1	47.9	34.7	24.4	47.2	8.2	4.2 I	4.5 I	26.8	77.6	mg/L
Nitrogen, Ammonia	2.8***	0.94	0.76	0.8	1.3	0.3	2.3	1.6	1.7	0.38	0.39	**4.9**	0.034 I	0.17	0.55	0.59	**3.1**	0.73	<0.02	<0.02	<0.02	0.05 I	0.16	2.5	mg/L
Nitrogen, Nitrate	10*	0.033 I	<0.025	<0.025	0.053	<0.025	0.042 I	0.052 I	<0.025	<0.025	0.028 I	<0.025	<0.025	<0.025	0.034 I	0.053	<0.025	<0.025	0.084	0.032 I	<0.025	0.036 I	<0.025	0.088	mg/L
Sodium	160*	11.1	121	33	73.4	20.3	41.3	18.9	20.4	18	13.2	104	20.9	54	42.8	46.4	51.2	23.1	27.4	5	4.3	4.2	43.7	61.4	mg/L
Total Dissolved Solids	500**	144	**828**	**882**	305	283	410	240	403	356	251	**531**	117	**734**	**570**	**503**	468	387	270	136	308	183	433	**776**	mg/L
Trace Metals																								
Iron	300**	**2,990**	**7,200**	**22,600**	**9,260**	**11,700**	**10,200**	**18,400**	**4,760**	**1,070**	**979**	**27,100**	**14,500**	**78,200**	**7,690**	**18,000**	**24,200**	**1,120**	**10,100**	**1,120**	**1,320**	**2,530**	**3,820**	**50,200**	µg/L
Antimony	6*	<0.5	0.55 I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Arsenic	10*	<5	**12.2**	<5	<5	7 I	<5	**18**	<5	5.6 I	<5	<5	<5	**114**	<5	<5	<5	<5	<5	<5	<5	**11.1**	<5	**32.4**	µg/L
Barium	2000	60.1	99.4	82.7	75.2	25.4	36.1	33.2	35.3	33.9	30.9	192	31.1	234	98.9	68.8	112	38.9	62.4	19.3	36.2	30.7	47.1	122	µg/L
Cadmium	5*	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.77 I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Chromium	100*	3.4 I	7.7	<2.5	6.3	<2.5	<2.5	9.1	2.7 I	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.8 I	<2.5	3.8 I	<2.5	<2.5	<2.5	<2.5	µg/L
Cobalt	140***	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	25.4	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	µg/L
Copper	1000**	<2.5	2.8 I	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	µg/L
Nickel	100*	<2.5	5.6	9.6	<2.5	<2.5	<2.5	2.7 I	<2.5	<2.5	<2.5	<2.5	<2.5	40.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3 I	<2.5	<2.5	µg/L
Selenium	50*	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	7.7 I	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	µg/L
Vanadium	49***	13.8	15.4	<5	8.9 I	<5	<5	28.1	<5	<5	<5	<5	6.1 I	7.8 I	<5	<5	<5	<5	<5	9.3 I	5.5 I	<5	<5	<5	µg/L
Zinc	5000**	<10	<10	<10	<10	<10	<10	11.1 I	<10	<10	<10	<10	<10	61.8	<10	<10	<10	<10	<10	22.5	155	20.5	<10	<10	µg/L
VOCs																								
Benzene	1*	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.8	<0.1	0.35 I	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	µg/L
Chlorobenzene	100*	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	5.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Trichloroethene	3*	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.53 I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	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 5
Summary of Detected Groundwater Parameters, Zone 3-4 Wells
Tomoka Farm Road Landfill, Volusia County
2015 Second Semiannual Monitoring
Sampling Date: November 12 to 20, 2015

Parameter	Standard	Detected Results																				Units
		B1-B	B-2	B33-1	B34-1	B35-1	B36	B37-1	B38-1	B40-1	B42-1	B43-1	B-5	B59-1R	B60	B63-1	B68	B70-1	B73-1	B8-2	MO5-B	B82-1	B85	
Field Measured Parameters																								
Dissolved Oxygen	NS	0.12	0.16	0.13	0.14	0.15	0.12	0.07	0.17	0.19	0.14	0.28	0.18	0.19	0.1	0.38	0.14	0.2	0.09	0.14	0.13	0.09	0.12	mg/L
pH	6.5-8.5	**6.17**	**5.49**	**6.07**	**6.34**	**5.47**	**6.25**	**6.19**	**5.15**	**5.29**	**5.54**	**6.01**	**6.31**	6.52	**6.35**	**6.42**	**5.74**	**5.23**	**6.44**	**5.07**	**6.06**	**5.9**	**6.22**	S.U.
Specific Conductance	NS	1,192	1,016	698	1,442	350	1,972	2,625	353	664	784	677	935	612	581	529	1,049	320	729	2,387	1,106	446	1,815	umhos/cm
Temperature, Water	NS	23.06	25.62	24.03	23.13	22.9	23.02	23.48	23.09	22.86	22.6	24.03	24.03	25.39	25.69	23.9	24.82	23.33	24.63	25.57	23.38	25.05	23.19	Deg. C.
Turbidity	NS	0.99	2.48	0.82	1.24	2.74	0.77	0.8	1.73	0.21	0.97	2.06	0.63	4.34	0.54	5.65	0.69	0.42	0.37	1.57	0.48	6.42	0.18	NTU
General Chemistry																								
Chloride	250**	56.4	39.1	87	58.5	64.9	235	213	62.9	63.3	62.4	36.5	26.7	55.3	59	35.9	35.1	38.6	16.1	**648**	94.2	37.6	146	mg/L
Iron	300**	**18,800**	**23,800**	**11,000**	**37,400**	**10,200**	**5,650**	**38,800**	**21,900**	**18,300**	**12,000**	**11,500**	**16,600**	**3,980**	**3,930**	**2,490**	**29,500**	**6,420**	**12,400**	**61,200**	**8,290**	**6,330**	**6,260**	µg/L
Nitrogen, Ammonia	2.8***	**16.9**	**5.6**	0.28	0.17	0.15	0.34	0.62	0.085	0.18	0.44	0.13	0.56	1.2	1.7	0.13	2.0	0.064	0.14	0.32	**4.0**	0.1	**18**	mg/L
Nitrogen, Nitrate	10*	0.051	0.063	0.038 I	0.034 I	<0.025	0.028 I	<0.025	0.071	0.038 I	0.05	<0.025	0.052	0.026 I	<0.025	<0.025	0.035 I	<0.025	0.056	<0.025	<0.025	<0.025	<0.025	mg/L
Sodium	160*	63.4	24.4	62.5	46.8	28.4	123	**255**	28.8	49.6	91.4	13.8	34	51.1	52	53.8	29.7	28.5	38.1	130	112	46.9	107	mg/L
Total Dissolved Solids	500**	**640**	**751**	471	**978**	244	**1,280**	**1,530**	210	452	**555**	287	**543**	348	293	311	**712**	193	391	**1,700**	**699**	408	**1,000**	mg/L
Trace Metals																								
Arsenic	10*	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	6.3 I	<5	<5	<5	µg/L
Barium	2000*	242	120	53.2	166	89.9	138	251	97.8	173	106	46.5	96.5	66.1	80.4	42.7	178	43	47.7	554	167	32.2	54	µg/L
Beryllium	4*	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Cadmium	5*	<0.5	0.57 I	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Chromium	100*	<2.5	3.1 I	2.9 I	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.8 I	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	3.5 I	<2.5	3.9 I	µg/L
Vanadium	49***	<5	14.2	<5	<5	<5	<5	<5	<5	<5	<5	6.8 I	<5	<5	<5	<5	<5	<5	<5	26.4	<5	<5	<5	µg/L
VOCs																								
1,1-Dichloroethane	70***	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
1,4-Dichlorobenzene	75*	<0.5	<0.5	<0.5	<0.5	<0.5	0.54 I	0.65 I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.78	µg/L
Benzene	1*	<0.1	<0.1	<0.1	<0.1	<0.1	**2.4**	**11.3**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.14 I	µg/L
Chlorobenzene	100*	0.71 I	<0.5	<0.5	<0.5	<0.5	3.8	8.7	<0.5	<0.5	<0.5	<0.5	0.92 I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.4	µg/L
Chloroform	70***	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Toluene	40**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.81 I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Trichloroethene	3*	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.51 I	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
Xylene (Total)	20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	9.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	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, Zone 6 Wells
Tomoka Farm Road Landfill, Volusia County
2015 Second Semiannual Monitoring
Sampling Date: November 12 to 20, 2015

Parameter	Standars	Detected Results		Units
		B85-6	B87-6	
Field Measured Parameters				
Dissolved Oxygen	NS	0.13	2.09	mg/L
pH	6.5-8.5**	**6.18**	**6.47**	S.U.
Specific Conductance	NS	2189	607	µmhos/cm
Temperature, Water	NS	23.45	23.36	Deg. C.
Turbidity	NS	0.91	19.04	NTU
General Chemistry				
Chloride	250**	215	28.6	mg/L
Iron	300**	**9,790**	**4,000**	µg/L
Nitrogen, Ammonia	2.8***	**18.2**	0.13	mg/L
Nitrogen, Nitrate	10*	0.036 I	<0.025	mg/L
Sodium	250**	173	25.4	mg/L
Total Dissolved Solids	500**	**1,280**	367	mg/L
Trace Metals and VOCs				
Barium	2000*	59	27.2	µg/L
Chromium	100*	<2.5	2.7 I	µg/L
Benzene	1*	**1.7**	<0.1	µg/L
Chlorobenzene	100*	3.6	<0.5	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 Groundwater Parameters, Floridan Aquifer Wells
Tomoka Farm Road Landfill, Volusia County
2015 Second Semiannual Monitoring
Sampling Date: November 12 to 20, 2015

Parameter	Standard	Detected Results			Units
		FA-1B	FA-2C	F-MB	
Field Measured Parameters					
Dissolved Oxygen	NS	0.39	0.08	0.14	mg/L
pH	6.5-8.5**	6.99	7.08	6.74	S.U.
Specific Conductance	NS	597	739	619	µmhos/cm
Temperature, Water	NS	22.26	22.04	23.47	Deg. C.
Turbidity	NS	1.11	0.4	12.66	NTU
General Chemistry					
Chloride	250**	16	68	23.5	mg/L
Nitrogen, Ammonia	2.8***	1	0.52	0.36	mg/L
Sodium	160*	10.7	43.3	17.1	mg/L
Total Dissolved Solids	500**	352	431	366	mg/L
Iron	300**	**428**	**865**	125	µg/L
Trace Metals					
Arsenic	10*	<5	5.4 I	<5	µg/L
Barium	2000*	41.6	22.5	18.4	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 8
Summary of Detected Surface Water Parameters
Tomoka Farm Road Landfill, Volusia County
2015 Second Semiannual Monitoring
Sampling Date: November 12, 2015

Parameter	Class III Standard*	Detected Results							Units
		SW-01	SW-02	SW-03	SW-04	SW-05	SW-11	SW-12	
Field Measure Parameters									
Dissolved Oxygen	>5.0	4.19	2.59	1.78	1.23	0.94	0.73	0.73	mg/L
pH	6.0-8.5	7.65	6.97	6.49	6.77	7.01	7.24	7.24	S.U.
Specific Conductance	NS	453	381	335	386	499	487	487	umhos/cm
Temperature, Water	NS	27.79	22.59	22.39	21.97	23.82	26.6	26.6	Deg. C.
Turbidity	<29 above bgd	2.31	4.78	16.65	1.72	7.11	4.6	2.31	NTU
General Chemistry									
BOD, 5 day	NS	<2	3.4	3	<2	3.6	<2	<2	mg/L
Chemical Oxygen Demand	NS	47	38.4	79.5	39	79.3	50.9	39.6	mg/L
Chlorophyll a	NS	5.2	22.5	8.7 I	5.8	26.1	6.7	8.8	mg/L
Fecal Coliforms	200	64	65	60	112	32	108	70	CFU/100 mL
Nitrogen, Nitrate	NS	0.17	0.041 I	<0.025	<0.025	0.072	<0.025	0.23	mg/L
Phosphorus, Total (as P)	NS	<0.05	0.062 I	0.068 I	<0.05	0.062 I	<0.05	<0.05	mg/L
Sodium	NS	12.8	31.9	16.6	29.1	30.4	31.9	25.8	mg/L
Tot Hardness asCaCO3 (SM 2340B	NS	98.8	134	102	116	185	192	161	mg/L
Total Dissolved Solids	NS	176	227	225	232	312	312	279	mg/L
Total Nitrogen	NS	1.1	1.4	1.3	1	2.7	0.9	1.4	mg/L
Total Organic Carbon	NS	12.4	11.3	25.2	12.5	22	16.9	12.4	mg/L
Total Suspended Solids	NS	<5	69.5	5	<5	6.5	<5	<5	mg/L
Trace Metals									
Antimony	<4000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.76 I	µg/L
Barium	NS	<5	43.3	21.2	22.6	49.3	30.1	29.7	µg/L
Iron	1000	181	**3420**	529	226	**3000**	768	20.2 I	µg/L
Lead	Result	<0.5	1	<0.5	<0.5	<0.5	<0.5	<0.5	µg/L
	Calc. Std:$e^{(1.273)[lnH]-4.705)}$	2.6	3.7	2.7	3.1	5.6	5.8	4.7	µg/L
Mercury	0.012	0.00157	0.0022	0.00102	0.00126	0.00169	0.00134	0.000812	µg/L
Zinc	Result	<10	10.3 I	<10	<10	<10	<10	<10	µg/L
	Calc. Std: $e^{(0.8473)[lnH]+0.884)}$	20.2	26.2	20.8	23.2	34.4	35.5	30.6	µg/L
VOCs									
Chloroform	470.8**	<0.5	<0.5	<0.5	<0.5	0.85 I	<0.5	<0.5	µg/L
Toluene	480**	<0.5	<0.5	0.52 I	<0.5	<0.5	<0.5	<0.5	µg/L

Notes:

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

**Cleanup Target Levels (Chapter 62-777, F.A.C., 2005);

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).

Attachment 1
Laboratory Reports and Field Data Sheets

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

December 29, 2015

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

RE: Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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(386)672-5668

CERTIFICATIONS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

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

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SAMPLE SUMMARY

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35216672001	**EQ Blank 11/13/15**	Water	11/13/15 10:30	11/13/15 16:40
35216672002	**B41-2**	Water	11/13/15 11:14	11/13/15 16:40
35216672003	**B41-2 Dup**	Water	11/13/15 11:14	11/13/15 16:40
35216672004	**B1-B**	Water	11/13/15 12:09	11/13/15 16:40
35216672005	**B42-1**	Water	11/13/15 14:29	11/13/15 16:40
35216672006	**B42-2**	Water	11/13/15 14:54	11/13/15 16:40
35216672007	**B85-6**	Water	11/13/15 16:09	11/13/15 16:40
35216672008	**B70-2**	Water	11/13/15 16:36	11/13/15 16:40
35216672009	**Trip Blank 11/13/15**	Water	11/13/15 00:00	11/13/15 16:40

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35216672001	**EQ Blank 11/13/15**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672002	**B41-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	BCH	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672003	**B41-2 Dup**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	BCH	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672004	**B1-B**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW, TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	BCH	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672005	**B42-1**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672006	**B42-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672007	**B85-6**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	BCH	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672008	**B70-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216672009	**Trip Blank 11/13/15**	EPA 8260	SK	50	PASI-O

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(386)672-5668

SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216672001	**EQ Blank 11/13/15**					
EPA 6010	Arsenic	5.7 I	ug/L	10.0	11/22/15 10:48	
EPA 6010	Barium	28.4	ug/L	10.0	11/22/15 10:48	
SM 2540C	Total Dissolved Solids	24.0	mg/L	5.0	11/17/15 11:56	
35216672002	**B41-2**					
	Field pH	6.32	Std. Units		11/13/15 11:14	
	Field Temperature	23.36	deg C		11/13/15 11:14	
	Appearance	Color: yellow, Sheen: none			11/13/15 11:14	
	Field Specific Conductance	563	umhos/cm		11/13/15 11:14	
	Oxygen, Dissolved	0.17	mg/L		11/13/15 11:14	
	Turbidity	0.43	NTU		11/13/15 11:14	
	Water Level(NGVD)	23.74	feet		11/13/15 11:14	
EPA 6010	Arsenic	5.6 I	ug/L	10.0	11/22/15 10:53	
EPA 6010	Barium	33.9	ug/L	10.0	11/22/15 10:53	
EPA 6010	Iron	1070	ug/L	40.0	11/22/15 10:53	
EPA 6010	Sodium	18.0	mg/L	1.0	11/22/15 10:53	
SM 2540C	Total Dissolved Solids	356	mg/L	5.0	11/17/15 11:56	
EPA 300.0	Chloride	19.5	mg/L	5.0	11/16/15 00:20	
EPA 350.1	Nitrogen, Ammonia	0.38	mg/L	0.050	11/17/15 09:02	
35216672003	**B41-2 Dup**					
	Field pH	6.32	Std. Units		11/13/15 11:14	
	Field Temperature	23.36	deg C		11/13/15 11:14	
	Appearance	Color: yellow, Sheen: none			11/13/15 11:14	
	Field Specific Conductance	563	umhos/cm		11/13/15 11:14	
	Oxygen, Dissolved	0.17	mg/L		11/13/15 11:14	
	Turbidity	0.43	NTU		11/13/15 11:14	
	Water Level(NGVD)	23.74	feet		11/13/15 11:14	
EPA 6010	Barium	32.8	ug/L	10.0	11/24/15 08:40	
EPA 6010	Iron	1030	ug/L	40.0	11/24/15 08:40	
EPA 6010	Sodium	16.5	mg/L	1.0	11/24/15 08:40	
SM 2540C	Total Dissolved Solids	365	mg/L	5.0	11/17/15 11:56	
EPA 300.0	Chloride	19.5	mg/L	5.0	11/16/15 00:42	
EPA 350.1	Nitrogen, Ammonia	0.38	mg/L	0.050	11/17/15 09:04	
35216672004	**B1-B**					
	Field pH	6.17	Std. Units		11/13/15 12:09	
	Field Temperature	23.06	deg C		11/13/15 12:09	
	Appearance	Color: yellow, Sheen: none			11/13/15 12:09	
	Field Specific Conductance	1192	umhos/cm		11/13/15 12:09	
	Oxygen, Dissolved	0.12	mg/L		11/13/15 12:09	

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216672004	**B1-B**					
	REDOX	-146.9	mV		11/13/15 12:09	
	Turbidity	0.99	NTU		11/13/15 12:09	
	Water Level(NGVD)	20.81	feet		11/13/15 12:09	
EPA 6010	Barium	242	ug/L	10.0	11/24/15 08:44	
EPA 6010	Iron	18800	ug/L	40.0	11/24/15 08:44	
EPA 6010	Sodium	63.4	mg/L	1.0	11/24/15 08:44	
EPA 8260	Chlorobenzene	0.71 I	ug/L	1.0	11/24/15 18:18	
SM 2540C	Total Dissolved Solids	640	mg/L	10.0	11/17/15 11:56	
EPA 300.0	Chloride	56.4	mg/L	25.0	11/16/15 01:05	
EPA 350.1	Nitrogen, Ammonia	16.9	mg/L	0.050	11/17/15 09:06	
35216672005	**B42-1**					
	Field pH	5.54	Std. Units		11/13/15 14:29	
	Field Temperature	22.60	deg C		11/13/15 14:29	
	Appearance	Color: yellow, Sheen: none			11/13/15 14:29	
	Field Specific Conductance	784	umhos/cm		11/13/15 14:29	
	Oxygen, Dissolved	0.14	mg/L		11/13/15 14:29	
	REDOX	-52.9	mV		11/13/15 14:29	
	Turbidity	0.97	NTU		11/13/15 14:29	
	Water Level(NGVD)	20.74	feet		11/13/15 14:29	
EPA 6010	Barium	106	ug/L	10.0	11/24/15 08:48	
EPA 6010	Chromium	2.8 I	ug/L	5.0	11/24/15 08:48	
EPA 6010	Iron	12000	ug/L	40.0	11/24/15 08:48	
EPA 6010	Sodium	91.4	mg/L	1.0	11/24/15 08:48	
SM 2540C	Total Dissolved Solids	555	mg/L	5.0	11/17/15 11:56	
EPA 300.0	Chloride	62.4	mg/L	5.0	11/16/15 01:27	
EPA 350.1	Nitrogen, Ammonia	0.44	mg/L	0.050	11/17/15 09:08	
35216672006	**B42-2**					
	Field pH	5.77	Std. Units		11/13/15 14:54	
	Field Temperature	23.16	deg C		11/13/15 14:54	
	Appearance	Color: yellow, Sheen: none			11/13/15 14:54	
	Field Specific Conductance	374	umhos/cm		11/13/15 14:54	
	Oxygen, Dissolved	0.17	mg/L		11/13/15 14:54	
	REDOX	-28.3	mV		11/13/15 14:54	
	Turbidity	1.60	NTU		11/13/15 14:54	
	Water Level(NGVD)	23.77	feet		11/13/15 14:54	
EPA 6010	Barium	30.9	ug/L	10.0	11/24/15 08:52	
EPA 6010	Iron	979	ug/L	40.0	11/24/15 08:52	
EPA 6010	Sodium	13.2	mg/L	1.0	11/24/15 08:52	
SM 2540C	Total Dissolved Solids	251	mg/L	5.0	11/17/15 11:56	
EPA 300.0	Chloride	9.8	mg/L	5.0	11/16/15 01:49	
EPA 350.1	Nitrogen, Ammonia	0.39	mg/L	0.050	11/17/15 09:09	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216672007	**B85-6**					
	Field pH	6.18	Std. Units		11/13/15 16:09	
	Field Temperature	23.45	deg C		11/13/15 16:09	
	Appearance	Color: yellow, Sheen: none			11/13/15 16:09	
	Field Specific Conductance	2189	umhos/cm		11/13/15 16:09	
	Oxygen, Dissolved	0.13	mg/L		11/13/15 16:09	
	REDOX	-64.1	mV		11/13/15 16:09	
	Turbidity	0.91	NTU		11/13/15 16:09	
	Water Level(NGVD)	19.89	feet		11/13/15 16:09	
EPA 6010	Barium	59.0	ug/L	10.0	11/24/15 09:08	
EPA 6010	Iron	9790	ug/L	40.0	11/24/15 09:08	
EPA 6010	Sodium	173	mg/L	1.0	11/24/15 09:08	
EPA 8260	Benzene	1.7	ug/L	1.0	11/24/15 18:51	
EPA 8260	Chlorobenzene	3.6	ug/L	1.0	11/24/15 18:51	
SM 2540C	Total Dissolved Solids	1280	mg/L	10.0	11/17/15 13:29	
EPA 300.0	Chloride	215	mg/L	25.0	11/16/15 02:11	
EPA 350.1	Nitrogen, Ammonia	18.2	mg/L	0.050	11/17/15 09:11	
35216672008	**B70-2**					
	Field pH	5.77	Std. Units		11/13/15 16:36	
	Field Temperature	24.98	deg C		11/13/15 16:36	
	Appearance	Color: yellow, Sheen: none			11/13/15 16:36	
	Field Specific Conductance	440	umhos/cm		11/13/15 16:36	
	Oxygen, Dissolved	0.31	mg/L		11/13/15 16:36	
	REDOX	11.1	mV		11/13/15 16:36	
	Turbidity	3.64	NTU		11/13/15 16:36	
	Water Level(NGVD)	22.19	feet		11/13/15 16:36	
EPA 6010	Barium	62.4	ug/L	10.0	11/24/15 09:12	
EPA 6010	Iron	10100	ug/L	40.0	11/24/15 09:12	
EPA 6010	Sodium	27.4	mg/L	1.0	11/24/15 09:12	
SM 2540C	Total Dissolved Solids	270	mg/L	5.0	11/17/15 13:29	
EPA 300.0	Chloride	47.2	mg/L	5.0	11/16/15 02:33	

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PROJECT NARRATIVE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Date: December 29, 2015

The field temperature reading for B70-2 was corrected and a revised report generated.

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: EQ Blank 11/13/15 **Lab ID: 35216672001** Collected: 11/13/15 10:30 Received: 11/13/15 16:40 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								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/20/15 12:00	11/21/15 06:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/20/15 12:00	11/21/15 06:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.7 I**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:48	7440-38-2	
Barium	**28.4**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:48	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/22/15 10:48	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/22/15 10:48	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:48	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:48	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:48	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/19/15 11:16	11/22/15 10:48	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:48	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:48	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/22/15 10:48	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:48	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/19/15 11:16	11/22/15 10:48	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:48	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/22/15 10:48	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:14	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/22/15 15:50	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 15:50	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/22/15 15:50	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/22/15 15:50	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 15:50	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 15:50	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/22/15 15:50	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/22/15 15:50	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	95-50-1	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: EQ Blank 11/13/15 **Lab ID: 35216672001** Collected: 11/13/15 10:30 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 15:50	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 15:50	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 15:50	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 15:50	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/22/15 15:50	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/22/15 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 15:50	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/22/15 15:50	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/22/15 15:50	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/22/15 15:50	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 15:50	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/22/15 15:50	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		11/22/15 15:50	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	86-125		1		11/22/15 15:50	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		11/22/15 15:50	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**24.0**	mg/L	5.0	5.0	1		11/17/15 11:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/15/15 23:58	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/17/15 08:57	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B41-2 **Lab ID: 35216672002** Collected: 11/13/15 11:14 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.32**	Std. Units			1		11/13/15 11:14		
Field Temperature	**23.36**	deg C			1		11/13/15 11:14		
Appearance	**Color: yellow, Sheen: none**				1		11/13/15 11:14		
Field Specific Conductance	**563**	umhos/cm			1		11/13/15 11:14		
Oxygen, Dissolved	**0.17**	mg/L			1		11/13/15 11:14	7782-44-7	
Turbidity	**0.43**	NTU			1		11/13/15 11:14		
Water Level(NGVD)	**23.74**	feet			1		11/13/15 11:14		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/20/15 12:00	11/21/15 06:45	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062 U**	ug/L	0.010	0.0062	1	11/20/15 12:00	11/21/15 06:45	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.6 I**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:53	7440-38-2	
Barium	**33.9**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:53	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/22/15 10:53	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/22/15 10:53	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:53	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:53	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:53	7440-50-8	
Iron	**1070**	ug/L	40.0	20.0	1	11/19/15 11:16	11/22/15 10:53	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:53	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:53	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/22/15 10:53	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/22/15 10:53	7440-22-4	
Sodium	**18.0**	mg/L	1.0	0.50	1	11/19/15 11:16	11/22/15 10:53	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/22/15 10:53	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/22/15 10:53	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:17	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/24/15 17:17	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:17	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/24/15 17:17	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/24/15 17:17	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	75-25-2	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B41-2 **Lab ID: 35216672002** Collected: 11/13/15 11:14 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:17	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:17	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/24/15 17:17	74-87-3	L3
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/24/15 17:17	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:17	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 17:17	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 17:17	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:17	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/24/15 17:17	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/24/15 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:17	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/24/15 17:17	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/24/15 17:17	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/24/15 17:17	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:17	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/24/15 17:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/24/15 17:17	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/24/15 17:17	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		11/24/15 17:17	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**356**	mg/L	5.0	5.0	1		11/17/15 11:56		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B41-2 **Lab ID: 35216672002** Collected: 11/13/15 11:14 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**19.5**	mg/L	5.0	2.5	1		11/16/15 00:20	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.38**	mg/L	0.050	0.020	1		11/17/15 09:02	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B41-2 Dup **Lab ID: 35216672003** Collected: 11/13/15 11:14 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.32**	Std. Units			1		11/13/15 11:14		
Field Temperature	**23.36**	deg C			1		11/13/15 11:14		
Appearance	**Color: yellow, Sheen: none**				1		11/13/15 11:14		
Field Specific Conductance	**563**	umhos/cm			1		11/13/15 11:14		
Oxygen, Dissolved	**0.17**	mg/L			1		11/13/15 11:14	7782-44-7	
Turbidity	**0.43**	NTU			1		11/13/15 11:14		
Water Level(NGVD)	**23.74**	feet			1		11/13/15 11:14		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/20/15 12:00	11/21/15 07:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061 U**	ug/L	0.0099	0.0061	1	11/20/15 12:00	11/21/15 07:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:40	7440-38-2	
Barium	**32.8**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:40	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:40	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:40	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:40	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:40	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:40	7440-50-8	
Iron	**1030**	ug/L	40.0	20.0	1	11/19/15 11:16	11/24/15 08:40	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:40	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:40	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/24/15 08:40	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:40	7440-22-4	
Sodium	**16.5**	mg/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:40	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:40	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/24/15 08:40	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:20	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/24/15 17:41	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:41	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/24/15 17:41	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/24/15 17:41	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	75-25-2	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B41-2 Dup **Lab ID: 35216672003** Collected: 11/13/15 11:14 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:41	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:41	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/24/15 17:41	74-87-3	L3
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/24/15 17:41	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:41	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 17:41	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 17:41	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:41	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/24/15 17:41	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/24/15 17:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 17:41	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/24/15 17:41	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/24/15 17:41	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/24/15 17:41	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 17:41	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/24/15 17:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-114		1		11/24/15 17:41	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/24/15 17:41	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		11/24/15 17:41	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**365**	mg/L	5.0	5.0	1		11/17/15 11:56		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B41-2 Dup **Lab ID: 35216672003** Collected: 11/13/15 11:14 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**19.5**	mg/L	5.0	2.5	1		11/16/15 00:42	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.38**	mg/L	0.050	0.020	1		11/17/15 09:04	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B1-B **Lab ID: 35216672004** Collected: 11/13/15 12:09 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.17**	Std. Units			1		11/13/15 12:09		
Field Temperature	**23.06**	deg C			1		11/13/15 12:09		
Appearance	**Color: yellow, Sheen: none**				1		11/13/15 12:09		
Field Specific Conductance	**1192**	umhos/cm			1		11/13/15 12:09		
Oxygen, Dissolved	**0.12**	mg/L			1		11/13/15 12:09	7782-44-7	
REDOX	**-146.9**	mV			1		11/13/15 12:09		
Turbidity	**0.99**	NTU			1		11/13/15 12:09		
Water Level(NGVD)	**20.81**	feet			1		11/13/15 12:09		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/20/15 12:00	11/21/15 07:16	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/20/15 12:00	11/21/15 07:16	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:44	7440-38-2	
Barium	**242**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:44	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:44	7440-41-7	
Cadmium	**2.5 U**	ug/L	5.0	2.5	5	11/19/15 11:16	11/24/15 13:58	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:44	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:44	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:44	7440-50-8	
Iron	**18800**	ug/L	40.0	20.0	1	11/19/15 11:16	11/24/15 08:44	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:44	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:44	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/24/15 08:44	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:44	7440-22-4	
Sodium	**63.4**	mg/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:44	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:44	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/24/15 08:44	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:24	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:15	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/24/15 18:18	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:18	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/24/15 18:18	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/24/15 18:18	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B1-B **Lab ID: 35216672004** Collected: 11/13/15 12:09 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:18	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:18	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	56-23-5	
Chlorobenzene	**0.71 I**	ug/L	1.0	0.50	1		11/24/15 18:18	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/24/15 18:18	74-87-3	L3
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/24/15 18:18	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:18	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 18:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 18:18	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:18	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/24/15 18:18	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/24/15 18:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:18	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/24/15 18:18	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/24/15 18:18	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/24/15 18:18	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:18	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/24/15 18:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/24/15 18:18	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/24/15 18:18	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/24/15 18:18	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B1-B **Lab ID: 35216672004** Collected: 11/13/15 12:09 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**640**	mg/L	10.0	10.0	1		11/17/15 11:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**56.4**	mg/L	25.0	12.5	5		11/16/15 01:05	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**16.9**	mg/L	0.050	0.020	1		11/17/15 09:06	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B42-1 **Lab ID: 35216672005** Collected: 11/13/15 14:29 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.54**	Std. Units			1		11/13/15 14:29		
Field Temperature	**22.60**	deg C			1		11/13/15 14:29		
Appearance	**Color: yellow, Sheen: none**				1		11/13/15 14:29		
Field Specific Conductance	**784**	umhos/cm			1		11/13/15 14:29		
Oxygen, Dissolved	**0.14**	mg/L			1		11/13/15 14:29	7782-44-7	
REDOX	**-52.9**	mV			1		11/13/15 14:29		
Turbidity	**0.97**	NTU			1		11/13/15 14:29		
Water Level(NGVD)	**20.74**	feet			1		11/13/15 14:29		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	11/20/15 12:00	11/21/15 07:32	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.011	0.0065	1	11/20/15 12:00	11/21/15 07:32	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:48	7440-38-2	
Barium	**106**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:48	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:48	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:48	7440-43-9	
Chromium	**2.8 I**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:48	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:48	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:48	7440-50-8	
Iron	**12000**	ug/L	40.0	20.0	1	11/19/15 11:16	11/24/15 08:48	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:48	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:48	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/24/15 08:48	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:48	7440-22-4	
Sodium	**91.4**	mg/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:48	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:48	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/24/15 08:48	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:27	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:17	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/22/15 20:29	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:29	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/22/15 20:29	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/22/15 20:29	75-27-4	

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

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B42-1 **Lab ID: 35216672005** Collected: 11/13/15 14:29 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:29	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:29	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/22/15 20:29	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/22/15 20:29	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:29	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 20:29	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 20:29	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:29	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/22/15 20:29	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/22/15 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:29	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/22/15 20:29	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/22/15 20:29	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/22/15 20:29	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:29	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/22/15 20:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-114		1		11/22/15 20:29	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	86-125		1		11/22/15 20:29	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		11/22/15 20:29	2037-26-5	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B42-1 **Lab ID: 35216672005** Collected: 11/13/15 14:29 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**555**	mg/L	5.0	5.0	1		11/17/15 11:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**62.4**	mg/L	5.0	2.5	1		11/16/15 01:27	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.44**	mg/L	0.050	0.020	1		11/17/15 09:08	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B42-2 **Lab ID: 35216672006** Collected: 11/13/15 14:54 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.77**	Std. Units			1		11/13/15 14:54		
Field Temperature	**23.16**	deg C			1		11/13/15 14:54		
Appearance	**Color: yellow, Sheen: none**				1		11/13/15 14:54		
Field Specific Conductance	**374**	umhos/cm			1		11/13/15 14:54		
Oxygen, Dissolved	**0.17**	mg/L			1		11/13/15 14:54	7782-44-7	
REDOX	**-28.3**	mV			1		11/13/15 14:54		
Turbidity	**1.60**	NTU			1		11/13/15 14:54		
Water Level(NGVD)	**23.77**	feet			1		11/13/15 14:54		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.019	0.0048	1	11/20/15 11:30	11/21/15 08:19	96-12-8	
1,2-Dibromoethane (EDB)	**0.0060 U**	ug/L	0.0097	0.0060	1	11/20/15 11:30	11/21/15 08:19	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:52	7440-38-2	
Barium	**30.9**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:52	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:52	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:52	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:52	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:52	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:52	7440-50-8	
Iron	**979**	ug/L	40.0	20.0	1	11/19/15 11:16	11/24/15 08:52	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:52	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:52	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/24/15 08:52	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 08:52	7440-22-4	
Sodium	**13.2**	mg/L	1.0	0.50	1	11/19/15 11:16	11/24/15 08:52	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 08:52	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/24/15 08:52	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:31	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/22/15 20:55	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:55	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/22/15 20:55	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/22/15 20:55	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B42-2 **Lab ID: 35216672006** Collected: 11/13/15 14:54 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:55	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:55	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/22/15 20:55	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/22/15 20:55	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:55	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 20:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 20:55	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:55	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/22/15 20:55	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/22/15 20:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 20:55	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/22/15 20:55	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/22/15 20:55	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/22/15 20:55	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 20:55	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/22/15 20:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		11/22/15 20:55	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	86-125		1		11/22/15 20:55	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/22/15 20:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B42-2 **Lab ID: 35216672006** Collected: 11/13/15 14:54 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**251**	mg/L	5.0	5.0	1		11/17/15 11:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**9.8**	mg/L	5.0	2.5	1		11/16/15 01:49	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.39**	mg/L	0.050	0.020	1		11/17/15 09:09	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B85-6 **Lab ID: 35216672007** Collected: 11/13/15 16:09 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.18**	Std. Units			1		11/13/15 16:09		
Field Temperature	**23.45**	deg C			1		11/13/15 16:09		
Appearance	**Color: yellow, Sheen: none**				1		11/13/15 16:09		
Field Specific Conductance	**2189**	umhos/cm			1		11/13/15 16:09		
Oxygen, Dissolved	**0.13**	mg/L			1		11/13/15 16:09	7782-44-7	
REDOX	**-64.1**	mV			1		11/13/15 16:09		
Turbidity	**0.91**	NTU			1		11/13/15 16:09		
Water Level(NGVD)	**19.89**	feet			1		11/13/15 16:09		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/20/15 11:30	11/21/15 09:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/20/15 11:30	11/21/15 09:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:08	7440-38-2	
Barium	**59.0**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:08	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 09:08	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 09:08	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:08	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:08	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:08	7440-50-8	
Iron	**9790**	ug/L	40.0	20.0	1	11/19/15 11:16	11/24/15 09:08	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:08	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:08	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/24/15 09:08	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:08	7440-22-4	
Sodium	**173**	mg/L	1.0	0.50	1	11/19/15 11:16	11/24/15 09:08	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:08	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/24/15 09:08	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:34	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:21	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/24/15 18:51	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:51	107-13-1	
Benzene	**1.7**	ug/L	1.0	0.10	1		11/24/15 18:51	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/24/15 18:51	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B85-6 **Lab ID: 35216672007** Collected: 11/13/15 16:09 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:51	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:51	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	56-23-5	
Chlorobenzene	**3.6**	ug/L	1.0	0.50	1		11/24/15 18:51	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/24/15 18:51	74-87-3	L3
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/24/15 18:51	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:51	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 18:51	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/24/15 18:51	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:51	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/24/15 18:51	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/24/15 18:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/24/15 18:51	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/24/15 18:51	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/24/15 18:51	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/24/15 18:51	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/24/15 18:51	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/24/15 18:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/24/15 18:51	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		11/24/15 18:51	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/24/15 18:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B85-6 **Lab ID: 35216672007** Collected: 11/13/15 16:09 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1280**	mg/L	10.0	10.0	1		11/17/15 13:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**215**	mg/L	25.0	12.5	5		11/16/15 02:11	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**18.2**	mg/L	0.050	0.020	1		11/17/15 09:11	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B70-2 **Lab ID: 35216672008** Collected: 11/13/15 16:36 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.77**	Std. Units			1		11/13/15 16:36		
Field Temperature	**24.98**	deg C			1		11/13/15 16:36		
Appearance	**Color: yellow, Sheen: none**				1		11/13/15 16:36		
Field Specific Conductance	**440**	umhos/cm			1		11/13/15 16:36		
Oxygen, Dissolved	**0.31**	mg/L			1		11/13/15 16:36	7782-44-7	
REDOX	**11.1**	mV			1		11/13/15 16:36		
Turbidity	**3.64**	NTU			1		11/13/15 16:36		
Water Level(NGVD)	**22.19**	feet			1		11/13/15 16:36		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/20/15 11:30	11/21/15 09:36	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/20/15 11:30	11/21/15 09:36	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:12	7440-38-2	
Barium	**62.4**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:12	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 09:12	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/24/15 09:12	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:12	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:12	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:12	7440-50-8	
Iron	**10100**	ug/L	40.0	20.0	1	11/19/15 11:16	11/24/15 09:12	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:12	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:12	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/19/15 11:16	11/24/15 09:12	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/19/15 11:16	11/24/15 09:12	7440-22-4	
Sodium	**27.4**	mg/L	1.0	0.50	1	11/19/15 11:16	11/24/15 09:12	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/19/15 11:16	11/24/15 09:12	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/19/15 11:16	11/24/15 09:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:48	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/19/15 11:16	11/20/15 00:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/19/15 13:40	11/20/15 18:23	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/22/15 21:46	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 21:46	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/22/15 21:46	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/22/15 21:46	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B70-2 **Lab ID: 35216672008** Collected: 11/13/15 16:36 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 21:46	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 21:46	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/22/15 21:46	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/22/15 21:46	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 21:46	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 21:46	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 21:46	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 21:46	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/22/15 21:46	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/22/15 21:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 21:46	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/22/15 21:46	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/22/15 21:46	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/22/15 21:46	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 21:46	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/22/15 21:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/22/15 21:46	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	86-125		1		11/22/15 21:46	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		11/22/15 21:46	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: B70-2 **Lab ID: 35216672008** Collected: 11/13/15 16:36 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**270**	mg/L	5.0	5.0	1		11/17/15 13:29		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**47.2**	mg/L	5.0	2.5	1		11/16/15 02:33	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/17/15 09:13	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: Trip Blank 11/13/15 **Lab ID: 35216672009** Collected: 11/13/15 00:00 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/22/15 16:39	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 16:39	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/22/15 16:39	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/22/15 16:39	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 16:39	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 16:39	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/22/15 16:39	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		11/22/15 16:39	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/22/15 16:39	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 16:39	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 16:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/22/15 16:39	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 16:39	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/22/15 16:39	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/22/15 16:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/22/15 16:39	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/22/15 16:39	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/22/15 16:39	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/22/15 16:39	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/22/15 16:39	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Sample: Trip Blank 11/13/15 **Lab ID: 35216672009** Collected: 11/13/15 00:00 Received: 11/13/15 16:40 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/22/15 16:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		11/22/15 16:39	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	86-125		1		11/22/15 16:39	17060-07-0	
Toluene-d8 (S)	104	%	87-113		1		11/22/15 16:39	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: MERP/6371 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

METHOD BLANK: 1397863 Matrix: Water
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/20/15 17:43	

LABORATORY CONTROL SAMPLE: 1397864

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: 1398073 1398074

Parameter	Units	35215593002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	2.0	2.0	100	99	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: MPRP/27457 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

METHOD BLANK: 1397606 Matrix: Water
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/22/15 09:22	
Barium	ug/L	5.0 U	10.0	5.0	11/22/15 09:22	
Beryllium	ug/L	0.50 U	1.0	0.50	11/22/15 09:22	
Cadmium	ug/L	0.50 U	1.0	0.50	11/22/15 09:22	
Chromium	ug/L	2.5 U	5.0	2.5	11/22/15 09:22	
Cobalt	ug/L	5.0 U	10.0	5.0	11/22/15 09:22	
Copper	ug/L	2.5 U	5.0	2.5	11/22/15 09:22	
Iron	ug/L	20.0 U	40.0	20.0	11/22/15 09:22	
Lead	ug/L	5.0 U	10.0	5.0	11/22/15 09:22	
Nickel	ug/L	2.5 U	5.0	2.5	11/22/15 09:22	
Selenium	ug/L	7.5 U	15.0	7.5	11/22/15 09:22	
Silver	ug/L	2.5 U	5.0	2.5	11/22/15 09:22	
Sodium	mg/L	0.50 U	1.0	0.50	11/22/15 09:22	
Vanadium	ug/L	5.0 U	10.0	5.0	11/22/15 09:22	
Zinc	ug/L	10.0 U	20.0	10.0	11/22/15 09:22	

LABORATORY CONTROL SAMPLE: 1397607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	247	99	80-120	
Barium	ug/L	250	260	104	80-120	
Beryllium	ug/L	25	25.8	103	80-120	
Cadmium	ug/L	25	26.1	104	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	262	105	80-120	
Copper	ug/L	250	250	100	80-120	
Iron	ug/L	2500	2580	103	80-120	
Lead	ug/L	250	262	105	80-120	
Nickel	ug/L	250	258	103	80-120	
Selenium	ug/L	250	248	99	80-120	
Silver	ug/L	25	25.8	103	80-120	
Sodium	mg/L	12.5	14.4	115	80-120	
Vanadium	ug/L	250	256	102	80-120	
Zinc	ug/L	1250	1270	102	80-120	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397608 1397609

Parameter	Units	35216148001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	257	251	102	99	75-125	2	20	
Barium	ug/L	14.9	250	250	282	279	107	106	75-125	1	20	
Beryllium	ug/L	0.50 U	25	25	26.7	26.2	107	105	75-125	2	20	
Cadmium	ug/L	0.50 U	25	25	26.4	26.0	106	104	75-125	2	20	
Chromium	ug/L	2.5 U	250	250	264	257	105	102	75-125	3	20	
Cobalt	ug/L	5.0 U	250	250	269	266	108	107	75-125	1	20	
Copper	ug/L	2.8 I	250	250	267	261	106	103	75-125	3	20	
Iron	ug/L	20.0 U	2500	2500	2670	2640	106	105	75-125	1	20	
Lead	ug/L	5.0 U	250	250	266	263	106	105	75-125	1	20	
Nickel	ug/L	2.5 U	250	250	264	261	105	104	75-125	1	20	
Selenium	ug/L	7.5 U	250	250	260	251	104	100	75-125	4	20	
Silver	ug/L	2.5 U	25	25	26.7	26.2	107	105	75-125	2	20	
Sodium	mg/L	36.7	12.5	12.5	50.4	49.7	110	104	75-125	1	20	
Vanadium	ug/L	5.0 U	250	250	271	263	107	104	75-125	3	20	
Zinc	ug/L	10.0 U	1250	1250	1320	1300	105	104	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: MPRP/27458 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

METHOD BLANK: 1397614 Matrix: Water
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/19/15 22:57	
Thallium	ug/L	0.50 U	1.0	0.50	11/19/15 22:57	

LABORATORY CONTROL SAMPLE: 1397615

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	53.8	108	80-120	
Thallium	ug/L	50	47.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397638 1397639

Parameter	Units	35216148002 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	54.0	54.0	108	108	75-125	0	20	
Thallium	ug/L	0.50 U	50	50	48.2	48.0	96	96	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: MSV/16731 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35216672001, 35216672005, 35216672006, 35216672008, 35216672009

METHOD BLANK: 1399648 Matrix: Water
Associated Lab Samples: 35216672001, 35216672005, 35216672006, 35216672008, 35216672009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/22/15 14:34	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/22/15 14:34	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	11/22/15 14:34	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/22/15 14:34	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/22/15 14:34	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/22/15 14:34	
Acetone	ug/L	10.0 U	20.0	10.0	11/22/15 14:34	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/22/15 14:34	
Benzene	ug/L	0.10 U	1.0	0.10	11/22/15 14:34	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/22/15 14:34	
Bromoform	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/22/15 14:34	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Chloroform	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/22/15 14:34	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/22/15 14:34	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/22/15 14:34	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/22/15 14:34	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/22/15 14:34	
Styrene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Toluene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/22/15 14:34	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

METHOD BLANK: 1399648 Matrix: Water
Associated Lab Samples: 35216672001, 35216672005, 35216672006, 35216672008, 35216672009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/22/15 14:34	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/22/15 14:34	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/22/15 14:34	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/22/15 14:34	
1,2-Dichloroethane-d4 (S)	%	110	86-125		11/22/15 14:34	
4-Bromofluorobenzene (S)	%	98	70-114		11/22/15 14:34	
Toluene-d8 (S)	%	106	87-113		11/22/15 14:34	

LABORATORY CONTROL SAMPLE: 1399649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.0	95	70-130	
1,1,1-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.1	90	70-130	
1,1,2-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	20	18.9	94	70-130	
1,1-Dichloroethene	ug/L	20	20.3	102	70-130	
1,2,3-Trichloropropane	ug/L	20	18.6	93	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.7	98	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	18.7	94	70-130	
1,2-Dichlorobenzene	ug/L	20	18.9	94	70-130	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	20	18.6	93	70-130	
2-Butanone (MEK)	ug/L	40	34.4	86	55-167	
2-Hexanone	ug/L	40	36.5	91	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	34.5	86	70-130	
Acetone	ug/L	40	47.0	117	40-150	
Acrylonitrile	ug/L	200	217	109	70-130	
Benzene	ug/L	20	19.7	99	70-130	
Bromochloromethane	ug/L	20	19.6	98	70-130	
Bromodichloromethane	ug/L	20	20.5	103	70-130	
Bromoform	ug/L	20	19.3	97	68-130	
Bromomethane	ug/L	20	21.3	107	38-179	
Carbon disulfide	ug/L	20	18.9	94	51-155	
Carbon tetrachloride	ug/L	20	21.1	105	70-130	
Chlorobenzene	ug/L	20	18.8	94	70-130	
Chloroethane	ug/L	20	18.9	95	59-149	
Chloroform	ug/L	20	20.3	102	70-130	
Chloromethane	ug/L	20	21.9	109	68-130	
cis-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

LABORATORY CONTROL SAMPLE: 1399649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	20	19.0	95	70-130	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.9	99	70-130	
Iodomethane	ug/L	40	37.2	93	43-160	
Methylene Chloride	ug/L	20	20.2	101	70-130	
Styrene	ug/L	20	18.7	94	70-130	
Tetrachloroethene	ug/L	20	16.0	80	66-133	
Toluene	ug/L	20	18.8	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.3	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.5	82	65-130	
Trichloroethene	ug/L	20	19.2	96	70-130	
Trichlorofluoromethane	ug/L	20	19.9	99	70-131	
Vinyl acetate	ug/L	20	20.6	103	69-135	
Vinyl chloride	ug/L	20	19.0	95	69-140	
Xylene (Total)	ug/L	60	59.2	99	70-130	
1,2-Dichloroethane-d4 (S)	%			108	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 1401298

Parameter	Units	35216851002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.0	100	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	23.0	115	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.9	100	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	21.4	107	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	19.8	99	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	23.0	115	70-130	
1,2,3-Trichloropropane	ug/L	0.36 U	20	20.6	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	21.0	105	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	19.5	97	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.1	101	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	21.6	108	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.7	103	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	20.2	101	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	31.3	78	70-130	
2-Hexanone	ug/L	5.0 U	40	35.4	88	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	34.6	87	70-130	
Acetone	ug/L	5.0 U	40	37.4	93	70-130	
Acrylonitrile	ug/L	5.0 U	200	156	78	70-130	
Benzene	ug/L	0.50 U	20	20.3	101	70-130	
Bromochloromethane	ug/L	0.50 U	20	20.1	100	70-130	
Bromodichloromethane	ug/L	0.27 U	20	21.3	106	70-130	
Bromoform	ug/L	0.50 U	20	18.0	90	70-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

MATRIX SPIKE SAMPLE: 1401298

Parameter	Units	35216851002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	0.50 U	20	17.4	87	70-130	
Carbon disulfide	ug/L	5.0 U	20	16.3	81	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	22.4	112	70-130	
Chlorobenzene	ug/L	0.50 U	20	20.0	100	70-130	
Chloroethane	ug/L	0.50 U	20	18.7	94	70-130	
Chloroform	ug/L	0.50 U	20	21.5	108	70-130	
Chloromethane	ug/L	0.62 U	20	22.4	112	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.7	88	70-130	
Dibromochloromethane	ug/L	0.26 U	20	18.8	94	70-130	
Dibromomethane	ug/L	0.50 U	20	21.6	108	70-130	
Ethylbenzene	ug/L	0.50 U	20	20.5	102	70-130	
Iodomethane	ug/L	0.50 U	40	31.0	77	70-130	
Methylene Chloride	ug/L	2.5 U	20	22.2	111	70-130	
Styrene	ug/L	0.50 U	20	19.1	95	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.5	83	70-130	
Toluene	ug/L	0.50 U	20	20.6	103	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	21.8	109	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	18.7	93	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	14.0	70	70-130	
Trichloroethene	ug/L	0.50 U	20	20.2	101	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	22.4	112	70-130	
Vinyl acetate	ug/L	1.0 U	20	14.9	74	70-130	
Vinyl chloride	ug/L	0.50 U	20	17.8	89	70-130	
Xylene (Total)	ug/L	0.50 U	60	62.3	104	70-130	
1,2-Dichloroethane-d4 (S)	%				109	86-125	
4-Bromofluorobenzene (S)	%				100	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 1401297

Parameter	Units	35216851001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.36 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

SAMPLE DUPLICATE: 1401297

Parameter	Units	35216851001 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	5.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.50 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	115	112	3	40	
4-Bromofluorobenzene (S)	%	97	95	2	40	
Toluene-d8 (S)	%	103	101	3	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: MSV/16763 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35216672002, 35216672003, 35216672004, 35216672007

METHOD BLANK: 1402875 Matrix: Water
Associated Lab Samples: 35216672002, 35216672003, 35216672004, 35216672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/24/15 15:35	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/24/15 15:35	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/24/15 15:35	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/24/15 15:35	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/24/15 15:35	
Acetone	ug/L	10.0 U	20.0	10.0	11/24/15 15:35	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/24/15 15:35	
Benzene	ug/L	0.10 U	1.0	0.10	11/24/15 15:35	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/24/15 15:35	
Bromoform	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/24/15 15:35	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Chloroform	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/24/15 15:35	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/24/15 15:35	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/24/15 15:35	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/24/15 15:35	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/24/15 15:35	
Styrene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Toluene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/24/15 15:35	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/24/15 15:35	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

METHOD BLANK: 1402875 Matrix: Water
Associated Lab Samples: 35216672002, 35216672003, 35216672004, 35216672007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/24/15 15:35	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/24/15 15:35	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/24/15 15:35	
1,2-Dichloroethane-d4 (S)	%	119	86-125		11/24/15 15:35	
4-Bromofluorobenzene (S)	%	96	70-114		11/24/15 15:35	
Toluene-d8 (S)	%	102	87-113		11/24/15 15:35	

LABORATORY CONTROL SAMPLE: 1402876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,1-Trichloroethane	ug/L	20	20.9	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.4	92	70-130	
1,1,2-Trichloroethane	ug/L	20	19.5	98	70-130	
1,1-Dichloroethane	ug/L	20	19.3	96	70-130	
1,1-Dichloroethene	ug/L	20	20.1	100	70-130	
1,2,3-Trichloropropane	ug/L	20	19.6	98	70-130	
1,2-Dichlorobenzene	ug/L	20	19.1	95	70-130	
1,2-Dichloroethane	ug/L	20	20.5	102	70-130	
1,2-Dichloropropane	ug/L	20	18.3	92	70-130	
1,4-Dichlorobenzene	ug/L	20	18.8	94	70-130	
2-Butanone (MEK)	ug/L	40	31.4	79	55-167	
2-Hexanone	ug/L	40	36.2	91	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	35.6	89	70-130	
Acetone	ug/L	40	42.1	105	40-150	
Acrylonitrile	ug/L	200	245	123	70-130	
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	17.8	89	70-130	
Bromodichloromethane	ug/L	20	20.7	104	70-130	
Bromoform	ug/L	20	18.3	92	68-130	
Bromomethane	ug/L	20	23.6	118	38-179	
Carbon disulfide	ug/L	20	15.4	77	51-155	
Carbon tetrachloride	ug/L	20	21.0	105	70-130	
Chlorobenzene	ug/L	20	18.7	93	70-130	
Chloroethane	ug/L	20	21.4	107	59-149	
Chloroform	ug/L	20	19.9	100	70-130	
Chloromethane	ug/L	20	27.2	136	68-130	J(L0)
cis-1,2-Dichloroethene	ug/L	20	18.4	92	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.9	95	70-130	
Dibromochloromethane	ug/L	20	19.0	95	70-130	
Dibromomethane	ug/L	20	20.6	103	70-130	
Ethylbenzene	ug/L	20	19.5	98	70-130	
Iodomethane	ug/L	40	33.4	83	43-160	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

LABORATORY CONTROL SAMPLE: 1402876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	20.1	100	70-130	
Styrene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	18.4	92	66-133	
Toluene	ug/L	20	18.9	94	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.3	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.4	82	65-130	
Trichloroethene	ug/L	20	19.0	95	70-130	
Trichlorofluoromethane	ug/L	20	23.9	120	70-131	
Vinyl acetate	ug/L	20	20.3	102	69-135	
Vinyl chloride	ug/L	20	20.8	104	69-140	
Xylene (Total)	ug/L	60	59.3	99	70-130	
1,2-Dichloroethane-d4 (S)	%			112	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 1403840

Parameter	Units	35217986001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	16.0	80	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	15.9	80	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.9	99	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	16.8	84	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	16.7	84	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	18.7	93	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	17.8	89	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	13.4	67	70-130	J(M1)
1,2-Dichloropropane	ug/L	0.50 U	20	18.1	91	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	17.1	85	70-130	
2-Butanone (MEK)	ug/L	28.3	40	61.3	83	70-130	
2-Hexanone	ug/L	5.0 U	40	43.5	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	43.8	110	70-130	
Acetone	ug/L	70.8	40	84.6	35	70-130	J(M1)
Acrylonitrile	ug/L	5.0 U	200	251	125	70-130	
Benzene	ug/L	0.10 U	20	19.4	97	70-130	
Bromochloromethane	ug/L	0.50 U	20	16.3	81	70-130	
Bromodichloromethane	ug/L	0.27 U	20	15.9	80	70-130	
Bromoform	ug/L	0.50 U	20	15.6	78	70-130	
Bromomethane	ug/L	0.50 U	20	17.9	90	70-130	
Carbon disulfide	ug/L	5.0 U	20	18.2	88	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	15.3	76	70-130	
Chlorobenzene	ug/L	0.50 U	20	18.7	93	70-130	
Chloroethane	ug/L	0.50 U	20	22.3	111	70-130	
Chloroform	ug/L	0.50 U	20	16.5	83	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

MATRIX SPIKE SAMPLE: 1403840

Parameter	Units	35217986001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	29.0	145	70-130	J(M0)
cis-1,2-Dichloroethene	ug/L	0.50 U	20	17.2	86	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	16.8	84	70-130	
Dibromochloromethane	ug/L	0.26 U	20	16.5	82	70-130	
Dibromomethane	ug/L	0.50 U	20	17.0	85	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.4	97	70-130	
Iodomethane	ug/L	0.50 U	40	32.6	81	70-130	
Methylene Chloride	ug/L	2.5 U	20	18.3	92	70-130	
Styrene	ug/L	0.50 U	20	18.7	93	70-130	
Tetrachloroethene	ug/L	0.50 U	20	14.6	73	70-130	
Toluene	ug/L	0.50 U	20	20.4	100	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	17.2	86	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	16.9	84	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	13.2	66	70-130	J(M1)
Trichloroethene	ug/L	0.50 U	20	18.0	90	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	16.0	80	70-130	
Vinyl acetate	ug/L	1.0 U	20	16.1	80	70-130	
Vinyl chloride	ug/L	0.50 U	20	23.7	118	70-130	
Xylene (Total)	ug/L	0.50 U	60	55.9	93	70-130	
1,2-Dichloroethane-d4 (S)	%				74	86-125	J(S0)
4-Bromofluorobenzene (S)	%				95	70-114	
Toluene-d8 (S)	%				96	87-113	

SAMPLE DUPLICATE: 1403841

Parameter	Units	35217988001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

SAMPLE DUPLICATE: 1403841

Parameter	Units	35217988001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	106	109	3	40	
4-Bromofluorobenzene (S)	%	95	94	1	40	
Toluene-d8 (S)	%	100	99	1	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: OEXT/25356 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005

METHOD BLANK: 1397897 Matrix: Water
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/21/15 01:06	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/21/15 01:06	

LABORATORY CONTROL SAMPLE: 1397898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.28	112	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.28	113	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1398986 1398987

Parameter	Units	35216416009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	<0.0050	.44	.44	0.50	0.53	114	120	60-140	5	40	
1,2-Dibromoethane (EDB)	ug/L	<0.0064	.44	.44	0.52	0.56	120	128	60-140	6	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: OEXT/25357 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216672006, 35216672007, 35216672008

METHOD BLANK: 1397899 Matrix: Water
Associated Lab Samples: 35216672006, 35216672007, 35216672008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/21/15 07:48	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/21/15 07:48	

LABORATORY CONTROL SAMPLE: 1397900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.27	109	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.28	110	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1398988 1398989

Parameter	Units	35216672006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.44	.44	0.46	0.50	106	115	60-140	8	40	
1,2-Dibromoethane (EDB)	ug/L	0.0060 U	.44	.44	0.48	0.52	110	119	60-140	8	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: WET/34185 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

METHOD BLANK: 1394567 Matrix: Water
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/17/15 11:53	

LABORATORY CONTROL SAMPLE: 1394568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	90-110	

SAMPLE DUPLICATE: 1394785

Parameter	Units	35216672007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1280	1260	1	5	

SAMPLE DUPLICATE: 1394786

Parameter	Units	35216760004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	734	780	6	5	J(D6)

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: WETA/52150 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

METHOD BLANK: 1393408 Matrix: Water
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/15/15 23:14	

LABORATORY CONTROL SAMPLE: 1393409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.5	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393410 1393411

Parameter	Units	35216690001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	131	100	100	227	231	96	100	90-110	1	20	L

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

QC Batch: WETA/52182 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

METHOD BLANK: 1394482 Matrix: Water
Associated Lab Samples: 35216672001, 35216672002, 35216672003, 35216672004, 35216672005, 35216672006, 35216672007, 35216672008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/17/15 08:50	

LABORATORY CONTROL SAMPLE: 1394483

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

MATRIX SPIKE SAMPLE: 1394485

Parameter	Units	35216672001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	1	0.97	97	90-110	

SAMPLE DUPLICATE: 1394484

Parameter	Units	35216672001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.020 U		20	

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QUALIFIERS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(S0)	Estimated Value. Surrogate recovery outside laboratory control limits.
L	Off-scale high. Actual value is known to be greater than value given.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216672002	**B41-2**		FLD/		
35216672003	**B41-2 Dup**		FLD/		
35216672004	**B1-B**		FLD/		
35216672005	**B42-1**		FLD/		
35216672006	**B42-2**		FLD/		
35216672007	**B85-6**		FLD/		
35216672008	**B70-2**		FLD/		
35216672001	**EQ Blank 11/13/15**	EPA 8011	OEXT/25356	EPA 8011	GCSV/16503
35216672002	**B41-2**	EPA 8011	OEXT/25356	EPA 8011	GCSV/16503
35216672003	**B41-2 Dup**	EPA 8011	OEXT/25356	EPA 8011	GCSV/16503
35216672004	**B1-B**	EPA 8011	OEXT/25356	EPA 8011	GCSV/16503
35216672005	**B42-1**	EPA 8011	OEXT/25356	EPA 8011	GCSV/16503
35216672006	**B42-2**	EPA 8011	OEXT/25357	EPA 8011	GCSV/16504
35216672007	**B85-6**	EPA 8011	OEXT/25357	EPA 8011	GCSV/16504
35216672008	**B70-2**	EPA 8011	OEXT/25357	EPA 8011	GCSV/16504
35216672001	**EQ Blank 11/13/15**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672002	**B41-2**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672003	**B41-2 Dup**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672004	**B1-B**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672005	**B42-1**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672006	**B42-2**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672007	**B85-6**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672008	**B70-2**	EPA 3010	MPRP/27457	EPA 6010	ICP/16531
35216672001	**EQ Blank 11/13/15**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672002	**B41-2**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672003	**B41-2 Dup**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672004	**B1-B**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672005	**B42-1**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672006	**B42-2**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672007	**B85-6**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672008	**B70-2**	EPA 3010	MPRP/27458	EPA 6020	ICPM/11193
35216672001	**EQ Blank 11/13/15**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672002	**B41-2**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672003	**B41-2 Dup**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672004	**B1-B**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672005	**B42-1**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672006	**B42-2**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672007	**B85-6**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672008	**B70-2**	EPA 7470	MERP/6371	EPA 7470	MERC/6352
35216672001	**EQ Blank 11/13/15**	EPA 8260	MSV/16731		
35216672002	**B41-2**	EPA 8260	MSV/16763		
35216672003	**B41-2 Dup**	EPA 8260	MSV/16763		
35216672004	**B1-B**	EPA 8260	MSV/16763		
35216672005	**B42-1**	EPA 8260	MSV/16731		
35216672006	**B42-2**	EPA 8260	MSV/16731		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216672

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216672007	**B85-6**	EPA 8260	MSV/16763		
35216672008	**B70-2**	EPA 8260	MSV/16731		
35216672009	**Trip Blank 11/13/15**	EPA 8260	MSV/16731		
35216672001	**EQ Blank 11/13/15**	SM 2540C	WET/34185		
35216672002	**B41-2**	SM 2540C	WET/34185		
35216672003	**B41-2 Dup**	SM 2540C	WET/34185		
35216672004	**B1-B**	SM 2540C	WET/34185		
35216672005	**B42-1**	SM 2540C	WET/34185		
35216672006	**B42-2**	SM 2540C	WET/34185		
35216672007	**B85-6**	SM 2540C	WET/34185		
35216672008	**B70-2**	SM 2540C	WET/34185		
35216672001	**EQ Blank 11/13/15**	EPA 300.0	WETA/52150		
35216672002	**B41-2**	EPA 300.0	WETA/52150		
35216672003	**B41-2 Dup**	EPA 300.0	WETA/52150		
35216672004	**B1-B**	EPA 300.0	WETA/52150		
35216672005	**B42-1**	EPA 300.0	WETA/52150		
35216672006	**B42-2**	EPA 300.0	WETA/52150		
35216672007	**B85-6**	EPA 300.0	WETA/52150		
35216672008	**B70-2**	EPA 300.0	WETA/52150		
35216672001	**EQ Blank 11/13/15**	EPA 350.1	WETA/52182		
35216672002	**B41-2**	EPA 350.1	WETA/52182		
35216672003	**B41-2 Dup**	EPA 350.1	WETA/52182		
35216672004	**B1-B**	EPA 350.1	WETA/52182		
35216672005	**B42-1**	EPA 350.1	WETA/52182		
35216672006	**B42-2**	EPA 350.1	WETA/52182		
35216672007	**B85-6**	EPA 350.1	WETA/52182		
35216672008	**B70-2**	EPA 350.1	WETA/52182		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

WO# : 35216672

35216672

Page: 1 of 1

1871854

Section A Required Client Information:	Section B Required Project Information:	
Company: Wilkinson County Solid Waste	Report To:	
Address:	Copy To:	
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Tomotley LF Semi Annual MW	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	TDS, NO3, Cl	Metal 6010, 6020	Ammonia	EDB 8011	8260 UNK's	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ						11-13-15	1030												Y	2	2	2	2	2		
2	B41-2							1114																			
3	DUPLICATE							1114																			
4	B1-B							1209																			
5	B42-1							1429																			
6	B42-2							1454																			
7	B85-6							1609																			
8	B70-2							1636																			
9	TRIP BLANK							0000																			
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] JONES	11-13-15	1640	TDH	11-13-15	1610	5.4	Y	N	
							T149			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID JOE

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11-13-15

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: 0	SAMPLE ID: EO	DATE: 11-13-15

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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT: 1030
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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	|	|
	1	1	1	H_2SO_4			Ammo NH3	|	|
	2	CG	40	ICE			8260 8011	|	|
	3	1	1	HCl			8260 VOCs	|	|

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)

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MWs	
WELL NO: 1	SAMPLE ID: B41-2 / Duplicate	DATE: 11-13-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.67	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)
= (17.80 feet – 5.67 feet) X 0.16 gallons/foot = 1.9408 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: 1050	PURGING ENDED AT: 1106	TOTAL VOLUME PURGED (gallons): 3.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1100	2.00	2.00	0.20	5.77	6.31	2338	562	0.34	0.58	Yellow	Sulfur
1103	0.60	2.60	0.20	5.77	6.32	2338	562	0.23	0.48		
1106	0.60	3.20	0.20	5.77	6.32	2336	563	0.17	0.43		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1106	SAMPLING ENDED AT: 1114
PUMP OR TUBING DEPTH IN WELL (feet): 6	TUBING MATERIAL CODE: PE, 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		6.32	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		< 2	6010, 6020	|	|
	1		250	H_2SO_4		< 2	AMMONIA	|	|
	2	CG	40	ICE		6.32	EPA 8011	|	|
	3	1	40	HCl		< 2	8260 VOCs	|	|

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 MWS	
WELL NO: 2	SAMPLE ID: B1B	DATE: 11-13-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.22	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)
= (35.90 feet − 8.22 feet) X 0.16 gallons/foot = 4.4288 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):	PURGING INITIATED AT: 1130	PURGING ENDED AT: 1205	TOTAL VOLUME PURGED (gallons): 7.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1153	4.60	4.60	0.20	8.49	6.17	2307	1170	0.15	5.52	Yellow	Sulfur
1159	1.20	5.80	0.20	8.49	6.17	2305	1187	0.14	6.53	1	1
1205	1.20	7.00	0.20	8.49	6.17	2306	1192	0.12	0.99	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 ICK / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1205	SAMPLING ENDED AT: 1208
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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		6.17	TDS, NO3, Cl	APP	200
	1	1	250	HNO3		<2	6010 6020	|	|
	1	1	250	H2SO4		<2	Ammonia	|	|
	2	CG	40	ICE		6.17	5OR 8011	|	|
	3	1	40	HCL		<2	8260 VOCs	|	|

REMARKS:
ORP −73.9 ORP 110.2 ORP −146.9

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 Semi Annual MWs	
WELL NO: 3	SAMPLE ID: B 42-1	DATE: 11-13-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.75	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (31.65 feet – 7.75 feet) X 0.16 gallons/foot = 3.824 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): 10	PURGING INITIATED AT: 1355	PURGING ENDED AT: 1425	TOTAL VOLUME PURGED (gallons): 6.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1415	4.00	4.00	0.20	9.51	5.54	22.67	782	0.18	7.36	Yellow	Sulfur
1420	1.00	5.00	0.20	9.51	5.54	22.62	787	0.16	1.03	1	1
1425	1.00	6.00	0.20	9.51	5.54	22.60	789	0.14	0.97	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: 1425	SAMPLING ENDED AT: 1429
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: PE, 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		5.54	TDS, NO3, Cl	APP	< 400
	1	〃	250	HNO_3		< 2	6010, 6020	〃	〃
	1	〃	250	H_2SO_4		< 2	Ammonia	〃	〃
	2	CG	40	ICE		5.54	EDB 8011	〃	〃
	3	〃	40	HCl		< 2	8260 VOCs	〃	〃

REMARKS:
ORP -41.1 ORP-47.6 ORP-52.9

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 Semi Annual MWS
WELL NO:	4	SAMPLE ID:	B 42-2
DATE:	11-13-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	4.82	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)
= (14.90 feet – 4.82 feet) X 0.16 gallons/foot = 1.6128 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:	1435	PURGING ENDED AT:	1450	TOTAL VOLUME PURGED (gallons):	3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1444	1.80	1.80	0.20	5.42	5.78	23.14	367	0.56	2.09	Yellow	Sulfur
1447	0.60	2.40	0.20	5.44	5.72	23.15	371	0.28	1.67		
1450	0.60	3.00	0.20	5.46	5.72	23.16	374	0.12	1.60		

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:	1450	SAMPLING ENDED AT:	1454
PUMP OR TUBING DEPTH IN WELL (feet):	6	TUBING MATERIAL CODE:	PE, 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		5.77	TDS, NO3, Cl	APP	<400
	1	"	250	HNO3		<2	6010 6020	"	"
	1	"	1	H2SO4		<2	Ammonia	"	"
	2	CG	40	ICE		5.77	EPA 8011	"	"
	3	"	1	HCl		<2	8260 VOC	"	"

REMARKS:
ORP 12.1 ORP -21.6 ORP -38.3

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 Semi Annual MWs
WELL NO:	5	SAMPLE ID:	B85-6
DATE:	11-13-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	7.40	PURGE PUMP TYPE OR BAILER:	PP

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

= (50. feet − 7.40 feet) X 0.16 gallons/foot = 6.816 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:	1512	PURGING ENDED AT:	1605	TOTAL VOLUME PURGED (gallons):	10.60

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)
1542	7.00	7.00	0.20	7.51	6.20	23.66	2103	0.20	1.30	Yellow	SULFUR
1556	1.80	8.80	0.20	7.51	6.21	23.47	2091	0.22	0.58	"	"
1605	1.80	10.60	0.20	7.51	6.18	23.45	2189	0.13	0.91	"	"

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:	PE, 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		6.18	TDS, NO3, Cl	APP	400
	1	1	250	HNO3		<2	6010 6020	1	1
	1	1	250	H_2SO_4		<2	AMMONIA	1	1
	2	CG	40	ICE		6.18	EDB 8011	1	1
	3	1	40	HCL		<2	8260 VOC	1	1

REMARKS:
ORP -59.8 ORP -62.6 ORP -64.1

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 Annuals
WELL NO:	6	SAMPLE ID:	B 20-2
DATE:	11-13-15		

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		9.38	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (21.91 feet – 9.38 feet) X 0.16 gallons/foot = 2.0048 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	11	1615	1632	3.40

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)
1626	2.20	2.20	0.20	10.35	5.85	25.02	420	0.47	7.30	Yellow	Sulfur
1629	0.60	2.80	0.20	10.41	5.80	25.00	428	0.38	4.03	/	/
1632	0.60	3.40	0.20	10.45	5.77	24.98	440	0.31	3.64	/	/

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICE / PACE		1632	1636

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
11	PE, 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		5.77	TDS, NO3, Cl	APP	≤ 400
	1	1	050	HNO_3		<2	6010 6020	1	1
	1	1	250	H_2SO_4		<2	Ammonia	1	1
	2	CG	40	ICE		5.77	EPA 8011	1	1
	3	1	40	HCL		<2	8260 VOCs	1	1

REMARKS:
ORP 17.3 ORP 14.0 ORP 11.1

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: VOLUSIA County Solid Waste Project # 352160672

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

Tracking # _____

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

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

Thermometer Used T-199 Type of Ice: (Wet) Blue None

Cooler Temperature °C 4.1 (Visual) 10.2 (Correction Factor) 4.3 (Actual)
5.2 10.2 5.4
0.1 10.2 0.3

Date and Initials of person examining contents: 11-13-20 DF
1640

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

December 23, 2015

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

RE: Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 14, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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

CERTIFICATIONS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
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 Semi-annual LF
Pace Project No.: 35216760

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35216760001	**EQ Blank 11/14/15**	Water	11/14/15 07:25	11/14/15 13:15
35216760002	**B70-1**	Water	11/14/15 08:21	11/14/15 13:15
35216760003	**B70-1 DUP**	Water	11/14/15 08:21	11/14/15 13:15
35216760004	**B45-2**	Water	11/14/15 08:59	11/14/15 13:15
35216760005	**B44**	Water	11/14/15 09:44	11/14/15 13:15
35216760006	**B82-1**	Water	11/14/15 10:51	11/14/15 13:15
35216760007	**B43-2**	Water	11/14/15 12:12	11/14/15 13:15
35216760008	**B43-1**	Water	11/14/15 11:53	11/14/15 13:15
35216760009	**TRIP BLANK 11/14/15**	Water	11/14/15 00:00	11/14/15 13:15

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

SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35216760001	**EQ Blank 11/14/15**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760002	**B70-1**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760003	**B70-1 DUP**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760004	**B45-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760005	**B44**	EPA 8011	AYF	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760006	**B82-1**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760007	**B43-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760008	**B43-1**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
35216760009	**TRIP BLANK 11/14/15**	EPA 8260	SK	50	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216760001	**EQ Blank 11/14/15**					
EPA 6010	Barium	28.9	ug/L	10.0	11/24/15 19:30	
SM 2540C	Total Dissolved Solids	19.0	mg/L	5.0	11/17/15 13:30	
35216760002	**B70-1**					
	Field pH	5.23	Std. Units		11/14/15 08:21	
	Field Temperature	23.33	deg C		11/14/15 08:21	
	Appearance	Color: none, Sheen: none			11/14/15 08:21	
	Field Specific Conductance	320	umhos/cm		11/14/15 08:21	
	Oxygen, Dissolved	0.20	mg/L		11/14/15 08:21	
	REDOX	-26.6	mV		11/14/15 08:21	
	Turbidity	0.42	NTU		11/14/15 08:21	
	Water Level(NGVD)	22.03	feet		11/14/15 08:21	
EPA 6010	Barium	43.0	ug/L	10.0	11/25/15 14:12	
EPA 6010	Iron	6420	ug/L	40.0	11/25/15 14:12	
EPA 6010	Sodium	28.5	mg/L	1.0	11/25/15 14:12	
SM 2540C	Total Dissolved Solids	193	mg/L	5.0	11/17/15 13:30	
EPA 300.0	Chloride	38.6	mg/L	5.0	11/15/15 10:47	
EPA 350.1	Nitrogen, Ammonia	0.064	mg/L	0.050	11/17/15 09:27	
35216760003	**B70-1 DUP**					
	Field pH	5.23	Std. Units		11/14/15 08:21	
	Field Temperature	23.33	deg C		11/14/15 08:21	
	Appearance	Color: none, Sheen: none			11/14/15 08:21	
	Field Specific Conductance	320	umhos/cm		11/14/15 08:21	
	Oxygen, Dissolved	0.20	mg/L		11/14/15 08:21	
	REDOX	-26.6	mV		11/14/15 08:21	
	Turbidity	0.42	NTU		11/14/15 08:21	
	Water Level(NGVD)	22.03	feet		11/14/15 08:21	
EPA 6010	Barium	42.4	ug/L	10.0	11/25/15 14:16	
EPA 6010	Iron	6370	ug/L	40.0	11/25/15 14:16	
EPA 6010	Sodium	28.0	mg/L	1.0	11/25/15 14:16	
SM 2540C	Total Dissolved Solids	198	mg/L	5.0	11/17/15 13:31	
EPA 300.0	Chloride	38.1	mg/L	5.0	11/15/15 11:08	
EPA 350.1	Nitrogen, Ammonia	0.060	mg/L	0.050	11/17/15 09:29	
35216760004	**B45-2**					
	Field pH	5.34	Std. Units		11/14/15 08:59	
	Field Temperature	23.42	deg C		11/14/15 08:59	
	Appearance	Color: yellow, Sheen: none			11/14/15 08:59	
	Field Specific Conductance	1314	umhos/cm		11/14/15 08:59	
	Oxygen, Dissolved	0.32	mg/L		11/14/15 08:59	

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216760004	**B45-2**					
	REDOX	-33.6	mV		11/14/15 08:59	
	Turbidity	6.90	NTU		11/14/15 08:59	
	Water Level(NGVD)	23.46	feet		11/14/15 08:59	
EPA 6010	Arsenic	114	ug/L	10.0	11/25/15 14:20	
EPA 6010	Barium	234	ug/L	10.0	11/25/15 14:20	
EPA 6010	Cobalt	25.4	ug/L	10.0	11/25/15 14:20	
EPA 6010	Iron	78200	ug/L	40.0	11/25/15 14:20	
EPA 6010	Nickel	40.5	ug/L	5.0	11/25/15 14:20	
EPA 6010	Sodium	54.0	mg/L	1.0	11/25/15 14:20	
EPA 6010	Vanadium	7.8 I	ug/L	10.0	11/25/15 14:20	
EPA 6010	Zinc	61.8	ug/L	20.0	11/25/15 14:20	
EPA 8260	Benzene	1.8	ug/L	1.0	11/26/15 20:24	
SM 2540C	Total Dissolved Solids	734	mg/L	10.0	11/17/15 13:31	J(D6)
EPA 300.0	Chloride	278	mg/L	25.0	11/16/15 21:23	
EPA 350.1	Nitrogen, Ammonia	0.17	mg/L	0.050	11/17/15 09:31	
35216760005	**B44**					
	Field pH	5.03	Std. Units		11/14/15 09:44	
	Field Temperature	23.27	deg C		11/14/15 09:44	
	Appearance	Color: none, Sheen: none			11/14/15 09:44	
	Field Specific Conductance	209	umhos/cm		11/14/15 09:44	
	Oxygen, Dissolved	0.61	mg/L		11/14/15 09:44	
	REDOX	-10.2	mV		11/14/15 09:44	
	Turbidity	1.51	NTU		11/14/15 09:44	
	Water Level(NGVD)	23.22	feet		11/14/15 09:44	
EPA 6010	Barium	31.1	ug/L	10.0	11/25/15 14:24	
EPA 6010	Iron	14500	ug/L	40.0	11/25/15 14:24	
EPA 6010	Sodium	20.9	mg/L	1.0	11/25/15 14:24	
EPA 6010	Vanadium	6.1 I	ug/L	10.0	11/25/15 14:24	
SM 2540C	Total Dissolved Solids	117	mg/L	5.0	11/17/15 13:32	
EPA 300.0	Chloride	40.1	mg/L	5.0	11/15/15 11:51	
EPA 350.1	Nitrogen, Ammonia	0.034 I	mg/L	0.050	11/17/15 09:32	
35216760006	**B82-1**					
	Field pH	5.90	Std. Units		11/14/15 10:51	
	Field Temperature	25.05	deg C		11/14/15 10:51	
	Appearance	Color: none, Sheen: none			11/14/15 10:51	
	Field Specific Conductance	446	umhos/cm		11/14/15 10:51	
	Oxygen, Dissolved	0.09	mg/L		11/14/15 10:51	
	REDOX	-72.1	mV		11/14/15 10:51	
	Turbidity	6.42	NTU		11/14/15 10:51	
	Water Level(NGVD)	22.95	feet		11/14/15 10:51	
EPA 6010	Barium	32.2	ug/L	10.0	11/25/15 14:28	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216760006	**B82-1**					
EPA 6010	Iron	6330	ug/L	40.0	11/25/15 14:28	
EPA 6010	Sodium	46.9	mg/L	1.0	11/25/15 14:28	
SM 2540C	Total Dissolved Solids	408	mg/L	5.0	11/17/15 13:33	
EPA 300.0	Chloride	37.6	mg/L	5.0	11/15/15 12:12	
EPA 350.1	Nitrogen, Ammonia	0.10	mg/L	0.050	11/17/15 09:34	
35216760007	**B43-2**					
	Field pH	5.74	Std. Units		11/14/15 12:12	
	Field Temperature	23.25	deg C		11/14/15 12:12	
	Appearance	Color: yellow, Sheen: none			11/14/15 12:12	
	Field Specific Conductance	994	umhos/cm		11/14/15 12:12	
	Oxygen, Dissolved	0.13	mg/L		11/14/15 12:12	
	REDOX	-66.6	mV		11/14/15 12:12	
	Turbidity	8.76	NTU		11/14/15 12:12	
	Water Level(NGVD)	22.44	feet		11/14/15 12:12	
EPA 6010	Barium	192	ug/L	10.0	11/25/15 14:32	
EPA 6010	Iron	27100	ug/L	40.0	11/25/15 14:32	
EPA 6010	Selenium	7.7 I	ug/L	15.0	11/25/15 14:32	
EPA 6010	Sodium	104	mg/L	1.0	11/25/15 14:32	
EPA 8260	Chlorobenzene	2.7	ug/L	1.0	11/26/15 22:05	
SM 2540C	Total Dissolved Solids	531	mg/L	5.0	11/17/15 13:33	
EPA 300.0	Chloride	125	mg/L	10.0	11/16/15 21:45	
EPA 350.1	Nitrogen, Ammonia	4.9	mg/L	0.050	11/17/15 09:39	
35216760008	**B43-1**					
	Field pH	6.01	Std. Units		11/14/15 11:53	
	Field Temperature	24.03	deg C		11/14/15 11:53	
	Appearance	Color: yellow, Sheen: none			11/14/15 11:53	
	Field Specific Conductance	677	umhos/cm		11/14/15 11:53	
	Oxygen, Dissolved	0.28	mg/L		11/14/15 11:53	
	REDOX	-80.4	mV		11/14/15 11:53	
	Turbidity	2.06	NTU		11/14/15 11:53	
	Water Level(NGVD)	22.44	feet		11/14/15 11:53	
EPA 6010	Barium	46.5	ug/L	10.0	11/25/15 14:36	
EPA 6010	Iron	11500	ug/L	40.0	11/25/15 14:36	
EPA 6010	Sodium	13.8	mg/L	1.0	11/25/15 14:36	
EPA 6010	Vanadium	6.8 I	ug/L	10.0	11/25/15 14:36	
SM 2540C	Total Dissolved Solids	287	mg/L	5.0	11/17/15 13:33	
EPA 300.0	Chloride	36.5	mg/L	5.0	11/15/15 12:55	
EPA 350.1	Nitrogen, Ammonia	0.13	mg/L	0.050	11/17/15 09:41	

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PROJECT NARRATIVE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Date: December 23, 2015

The field temperature for B82-1 was corrected and a revised report generated.

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: EQ Blank 11/14/15 **Lab ID: 35216760001** Collected: 11/14/15 07:25 Received: 11/14/15 13:15 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								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/20/15 11:30	11/21/15 12:56	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/20/15 11:30	11/21/15 12:56	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/24/15 19:30	7440-38-2	
Barium	**28.9**	ug/L	10.0	5.0	1	11/22/15 19:00	11/24/15 19:30	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/24/15 19:30	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/24/15 19:30	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 19:30	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/24/15 19:30	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 19:30	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/22/15 19:00	11/24/15 19:30	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/24/15 19:30	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 19:30	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/22/15 19:00	11/24/15 19:30	7782-49-2	CU
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 19:30	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/22/15 19:00	11/24/15 19:30	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/24/15 19:30	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/22/15 19:00	11/24/15 19:30	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:00	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 12:29	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 19:08	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:08	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 19:08	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 19:08	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:08	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:08	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 19:08	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 19:08	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: EQ Blank 11/14/15 **Lab ID: 35216760001** Collected: 11/14/15 07:25 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:08	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 19:08	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 19:08	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:08	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 19:08	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 19:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:08	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 19:08	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 19:08	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 19:08	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:08	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 19:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/26/15 19:08	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		11/26/15 19:08	17060-07-0	
Toluene-d8 (S)	93	%	87-113		1		11/26/15 19:08	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**19.0**	mg/L	5.0	5.0	1		11/17/15 13:30		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 10:26	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/15/15 10:26	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/17/15 09:25	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B70-1 **Lab ID: 35216760002** Collected: 11/14/15 08:21 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.23**	Std. Units			1		11/14/15 08:21		
Field Temperature	**23.33**	deg C			1		11/14/15 08:21		
Appearance	**Color: none, Sheen: none**				1		11/14/15 08:21		
Field Specific Conductance	**320**	umhos/cm			1		11/14/15 08:21		
Oxygen, Dissolved	**0.20**	mg/L			1		11/14/15 08:21	7782-44-7	
REDOX	**-26.6**	mV			1		11/14/15 08:21		
Turbidity	**0.42**	NTU			1		11/14/15 08:21		
Water Level(NGVD)	**22.03**	feet			1		11/14/15 08:21		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/20/15 11:30	11/21/15 13:11	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062 U**	ug/L	0.010	0.0062	1	11/20/15 11:30	11/21/15 13:11	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:12	7440-38-2	
Barium	**43.0**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:12	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:12	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:12	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:12	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:12	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:12	7440-50-8	
Iron	**6420**	ug/L	40.0	20.0	1	11/22/15 19:00	11/25/15 14:12	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:12	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:12	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/22/15 19:00	11/25/15 14:12	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:12	7440-22-4	
Sodium	**28.5**	mg/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:12	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:12	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/22/15 19:00	11/25/15 14:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:04	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:04	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 12:40	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 19:33	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:33	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 19:33	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 19:33	75-27-4	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B70-1 **Lab ID: 35216760002** Collected: 11/14/15 08:21 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:33	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:33	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 19:33	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 19:33	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:33	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 19:33	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 19:33	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:33	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 19:33	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 19:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:33	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 19:33	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 19:33	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 19:33	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:33	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 19:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/26/15 19:33	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/26/15 19:33	17060-07-0	
Toluene-d8 (S)	94	%	87-113		1		11/26/15 19:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B70-1 **Lab ID: 35216760002** Collected: 11/14/15 08:21 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**193**	mg/L	5.0	5.0	1		11/17/15 13:30		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 10:47	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**38.6**	mg/L	5.0	2.5	1		11/15/15 10:47	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.064**	mg/L	0.050	0.020	1		11/17/15 09:27	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B70-1 DUP **Lab ID: 35216760003** Collected: 11/14/15 08:21 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.23**	Std. Units			1		11/14/15 08:21		
Field Temperature	**23.33**	deg C			1		11/14/15 08:21		
Appearance	**Color: none, Sheen: none**				1		11/14/15 08:21		
Field Specific Conductance	**320**	umhos/cm			1		11/14/15 08:21		
Oxygen, Dissolved	**0.20**	mg/L			1		11/14/15 08:21	7782-44-7	
REDOX	**-26.6**	mV			1		11/14/15 08:21		
Turbidity	**0.42**	NTU			1		11/14/15 08:21		
Water Level(NGVD)	**22.03**	feet			1		11/14/15 08:21		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/24/15 21:30	11/25/15 03:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0059 U**	ug/L	0.0096	0.0059	1	11/24/15 21:30	11/25/15 03:17	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:16	7440-38-2	
Barium	**42.4**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:16	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:16	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:16	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:16	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:16	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:16	7440-50-8	
Iron	**6370**	ug/L	40.0	20.0	1	11/22/15 19:00	11/25/15 14:16	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:16	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:16	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/22/15 19:00	11/25/15 14:16	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:16	7440-22-4	
Sodium	**28.0**	mg/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:16	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:16	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/22/15 19:00	11/25/15 14:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:07	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:07	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 12:42	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 19:59	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:59	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 19:59	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 19:59	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B70-1 DUP **Lab ID: 35216760003** Collected: 11/14/15 08:21 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:59	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:59	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 19:59	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 19:59	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:59	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 19:59	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 19:59	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:59	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 19:59	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 19:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 19:59	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 19:59	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 19:59	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 19:59	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 19:59	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 19:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		11/26/15 19:59	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		11/26/15 19:59	17060-07-0	
Toluene-d8 (S)	92	%	87-113		1		11/26/15 19:59	2037-26-5	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B70-1 DUP **Lab ID: 35216760003** Collected: 11/14/15 08:21 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**198**	mg/L	5.0	5.0	1		11/17/15 13:31		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 11:08	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**38.1**	mg/L	5.0	2.5	1		11/15/15 11:08	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.060**	mg/L	0.050	0.020	1		11/17/15 09:29	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B45-2 **Lab ID: 35216760004** Collected: 11/14/15 08:59 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.34**	Std. Units			1		11/14/15 08:59		
Field Temperature	**23.42**	deg C			1		11/14/15 08:59		
Appearance	**Color: yellow, Sheen: none**				1		11/14/15 08:59		
Field Specific Conductance	**1314**	umhos/cm			1		11/14/15 08:59		
Oxygen, Dissolved	**0.32**	mg/L			1		11/14/15 08:59	7782-44-7	
REDOX	**-33.6**	mV			1		11/14/15 08:59		
Turbidity	**6.90**	NTU			1		11/14/15 08:59		
Water Level(NGVD)	**23.46**	feet			1		11/14/15 08:59		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 04:03	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/24/15 21:30	11/25/15 04:03	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**114**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:20	7440-38-2	
Barium	**234**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:20	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:20	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:20	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:20	7440-47-3	
Cobalt	**25.4**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:20	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:20	7440-50-8	
Iron	**78200**	ug/L	40.0	20.0	1	11/22/15 19:00	11/25/15 14:20	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:20	7439-92-1	
Nickel	**40.5**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:20	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/22/15 19:00	11/25/15 14:20	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 22:00	7440-22-4	
Sodium	**54.0**	mg/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:20	7440-23-5	
Vanadium	**7.8 I**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:20	7440-62-2	
Zinc	**61.8**	ug/L	20.0	10.0	1	11/22/15 19:00	11/25/15 14:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:11	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 12:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 20:24	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 20:24	107-13-1	
Benzene	**1.8**	ug/L	1.0	0.10	1		11/26/15 20:24	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 20:24	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B45-2 **Lab ID: 35216760004** Collected: 11/14/15 08:59 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 20:24	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 20:24	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 20:24	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 20:24	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 20:24	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 20:24	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 20:24	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 20:24	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 20:24	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 20:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 20:24	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 20:24	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 20:24	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 20:24	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 20:24	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 20:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/26/15 20:24	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		11/26/15 20:24	17060-07-0	
Toluene-d8 (S)	92	%	87-113		1		11/26/15 20:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B45-2 **Lab ID: 35216760004** Collected: 11/14/15 08:59 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**734**	mg/L	10.0	10.0	1		11/17/15 13:31		J(D6)
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 11:30	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**278**	mg/L	25.0	12.5	5		11/16/15 21:23	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.17**	mg/L	0.050	0.020	1		11/17/15 09:31	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B44 **Lab ID: 35216760005** Collected: 11/14/15 09:44 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.03**	Std. Units			1		11/14/15 09:44		
Field Temperature	**23.27**	deg C			1		11/14/15 09:44		
Appearance	**Color: none, Sheen: none**				1		11/14/15 09:44		
Field Specific Conductance	**209**	umhos/cm			1		11/14/15 09:44		
Oxygen, Dissolved	**0.61**	mg/L			1		11/14/15 09:44	7782-44-7	
REDOX	**-10.2**	mV			1		11/14/15 09:44		
Turbidity	**1.51**	NTU			1		11/14/15 09:44		
Water Level(NGVD)	**23.22**	feet			1		11/14/15 09:44		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/24/15 21:30	11/25/15 04:18	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/24/15 21:30	11/25/15 04:18	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:24	7440-38-2	
Barium	**31.1**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:24	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:24	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:24	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:24	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:24	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:24	7440-50-8	
Iron	**14500**	ug/L	40.0	20.0	1	11/22/15 19:00	11/25/15 14:24	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:24	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:24	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/22/15 19:00	11/25/15 14:24	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 22:04	7440-22-4	
Sodium	**20.9**	mg/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:24	7440-23-5	
Vanadium	**6.1 I**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:24	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/22/15 19:00	11/25/15 14:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:14	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 12:47	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 21:15	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:15	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 21:15	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 21:15	75-27-4	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B44 **Lab ID: 35216760005** Collected: 11/14/15 09:44 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:15	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:15	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 21:15	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 21:15	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:15	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 21:15	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 21:15	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:15	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 21:15	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 21:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:15	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 21:15	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 21:15	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 21:15	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:15	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 21:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-114		1		11/26/15 21:15	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		11/26/15 21:15	17060-07-0	
Toluene-d8 (S)	94	%	87-113		1		11/26/15 21:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B44 **Lab ID: 35216760005** Collected: 11/14/15 09:44 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**117**	mg/L	5.0	5.0	1		11/17/15 13:32		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 11:51	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**40.1**	mg/L	5.0	2.5	1		11/15/15 11:51	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.034 I**	mg/L	0.050	0.020	1		11/17/15 09:32	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B82-1 **Lab ID: 35216760006** Collected: 11/14/15 10:51 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.90**	Std. Units			1		11/14/15 10:51		
Field Temperature	**25.05**	deg C			1		11/14/15 10:51		
Appearance	**Color: none, Sheen: none**				1		11/14/15 10:51		
Field Specific Conductance	**446**	umhos/cm			1		11/14/15 10:51		
Oxygen, Dissolved	**0.09**	mg/L			1		11/14/15 10:51	7782-44-7	
REDOX	**-72.1**	mV			1		11/14/15 10:51		
Turbidity	**6.42**	NTU			1		11/14/15 10:51		
Water Level(NGVD)	**22.95**	feet			1		11/14/15 10:51		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 04:33	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/24/15 21:30	11/25/15 04:33	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:28	7440-38-2	
Barium	**32.2**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:28	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:28	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:28	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:28	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:28	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:28	7440-50-8	
Iron	**6330**	ug/L	40.0	20.0	1	11/22/15 19:00	11/25/15 14:28	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:28	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:28	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/22/15 19:00	11/25/15 14:28	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 22:09	7440-22-4	
Sodium	**46.9**	mg/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:28	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:28	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/22/15 19:00	11/25/15 14:28	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:18	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 12:49	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 21:40	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:40	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 21:40	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 21:40	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B82-1 **Lab ID: 35216760006** Collected: 11/14/15 10:51 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:40	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:40	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 21:40	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 21:40	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:40	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 21:40	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 21:40	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:40	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 21:40	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 21:40	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 21:40	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 21:40	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 21:40	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 21:40	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 21:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/26/15 21:40	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/26/15 21:40	17060-07-0	
Toluene-d8 (S)	93	%	87-113		1		11/26/15 21:40	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B82-1 **Lab ID: 35216760006** Collected: 11/14/15 10:51 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**408**	mg/L	5.0	5.0	1		11/17/15 13:33		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 12:12	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**37.6**	mg/L	5.0	2.5	1		11/15/15 12:12	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.10**	mg/L	0.050	0.020	1		11/17/15 09:34	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B43-2 **Lab ID: 35216760007** Collected: 11/14/15 12:12 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.74**	Std. Units			1		11/14/15 12:12		
Field Temperature	**23.25**	deg C			1		11/14/15 12:12		
Appearance	**Color: yellow, Sheen: none**				1		11/14/15 12:12		
Field Specific Conductance	**994**	umhos/cm			1		11/14/15 12:12		
Oxygen, Dissolved	**0.13**	mg/L			1		11/14/15 12:12	7782-44-7	
REDOX	**-66.6**	mV			1		11/14/15 12:12		
Turbidity	**8.76**	NTU			1		11/14/15 12:12		
Water Level(NGVD)	**22.44**	feet			1		11/14/15 12:12		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 04:48	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/24/15 21:30	11/25/15 04:48	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:32	7440-38-2	
Barium	**192**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:32	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:32	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:32	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:32	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:32	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:32	7440-50-8	
Iron	**27100**	ug/L	40.0	20.0	1	11/22/15 19:00	11/25/15 14:32	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:32	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:32	7440-02-0	
Selenium	**7.7 I**	ug/L	15.0	7.5	1	11/22/15 19:00	11/25/15 14:32	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 22:13	7440-22-4	
Sodium	**104**	mg/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:32	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:32	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/22/15 19:00	11/25/15 14:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:21	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 12:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 22:05	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:05	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 22:05	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 22:05	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B43-2 **Lab ID: 35216760007** Collected: 11/14/15 12:12 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:05	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:05	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	56-23-5	
Chlorobenzene	**2.7**	ug/L	1.0	0.50	1		11/26/15 22:05	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 22:05	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 22:05	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:05	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 22:05	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 22:05	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:05	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 22:05	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 22:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:05	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 22:05	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 22:05	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 22:05	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:05	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 22:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		11/26/15 22:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/26/15 22:05	17060-07-0	
Toluene-d8 (S)	93	%	87-113		1		11/26/15 22:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B43-2 **Lab ID: 35216760007** Collected: 11/14/15 12:12 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**531**	mg/L	5.0	5.0	1		11/17/15 13:33		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 12:34	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**125**	mg/L	10.0	5.0	2		11/16/15 21:45	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**4.9**	mg/L	0.050	0.020	1		11/17/15 09:39	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B43-1 **Lab ID: 35216760008** Collected: 11/14/15 11:53 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.01**	Std. Units			1		11/14/15 11:53		
Field Temperature	**24.03**	deg C			1		11/14/15 11:53		
Appearance	**Color: yellow, Sheen: none**				1		11/14/15 11:53		
Field Specific Conductance	**677**	umhos/cm			1		11/14/15 11:53		
Oxygen, Dissolved	**0.28**	mg/L			1		11/14/15 11:53	7782-44-7	
REDOX	**-80.4**	mV			1		11/14/15 11:53		
Turbidity	**2.06**	NTU			1		11/14/15 11:53		
Water Level(NGVD)	**22.44**	feet			1		11/14/15 11:53		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/24/15 21:30	11/25/15 05:04	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062 U**	ug/L	0.0099	0.0062	1	11/24/15 21:30	11/25/15 05:04	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:36	7440-38-2	
Barium	**46.5**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:36	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:36	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:36	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:36	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:36	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:36	7440-50-8	
Iron	**11500**	ug/L	40.0	20.0	1	11/22/15 19:00	11/25/15 14:36	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:36	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/25/15 14:36	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/22/15 19:00	11/25/15 14:36	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/22/15 19:00	11/24/15 22:17	7440-22-4	
Sodium	**13.8**	mg/L	1.0	0.50	1	11/22/15 19:00	11/25/15 14:36	7440-23-5	
Vanadium	**6.8 I**	ug/L	10.0	5.0	1	11/22/15 19:00	11/25/15 14:36	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/22/15 19:00	11/25/15 14:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:24	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/22/15 19:00	11/23/15 20:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/22/15 20:00	11/23/15 13:02	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 22:30	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:30	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 22:30	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 22:30	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B43-1 **Lab ID: 35216760008** Collected: 11/14/15 11:53 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:30	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:30	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 22:30	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 22:30	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:30	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 22:30	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 22:30	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:30	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 22:30	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 22:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 22:30	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 22:30	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 22:30	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 22:30	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 22:30	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 22:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/26/15 22:30	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/26/15 22:30	17060-07-0	
Toluene-d8 (S)	91	%	87-113		1		11/26/15 22:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: B43-1 **Lab ID: 35216760008** Collected: 11/14/15 11:53 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**287**	mg/L	5.0	5.0	1		11/17/15 13:33		
300.0 IC Anions	Analytical Method: EPA 300.0								
Nitrate as N	**0.025 U**	mg/L	0.050	0.025	1		11/15/15 12:55	14797-55-8	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**36.5**	mg/L	5.0	2.5	1		11/15/15 12:55	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.13**	mg/L	0.050	0.020	1		11/17/15 09:41	7664-41-7	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: TRIP BLANK 11/14/15 **Lab ID: 35216760009** Collected: 11/14/15 00:00 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/26/15 18:42	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 18:42	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/26/15 18:42	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/26/15 18:42	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 18:42	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 18:42	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/26/15 18:42	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 18:42	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/26/15 18:42	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 18:42	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 18:42	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/26/15 18:42	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 18:42	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/26/15 18:42	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/26/15 18:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/26/15 18:42	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/26/15 18:42	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/26/15 18:42	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/26/15 18:42	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/26/15 18:42	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Sample: TRIP BLANK 11/14/15 **Lab ID: 35216760009** Collected: 11/14/15 00:00 Received: 11/14/15 13:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/26/15 18:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/26/15 18:42	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		11/26/15 18:42	17060-07-0	
Toluene-d8 (S)	93	%	87-113		1		11/26/15 18:42	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: MERP/6381 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1400997 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/23/15 12:25	

LABORATORY CONTROL SAMPLE: 1400998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.2	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400999 1401000

Parameter	Units	35216760007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.7	1.7	85	83	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: MPRP/27490 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1400975 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/24/15 05:59	
Barium	ug/L	5.0 U	10.0	5.0	11/24/15 05:59	
Beryllium	ug/L	0.50 U	1.0	0.50	11/24/15 05:59	
Cadmium	ug/L	0.50 U	1.0	0.50	11/24/15 05:59	
Chromium	ug/L	2.5 U	5.0	2.5	11/24/15 05:59	
Cobalt	ug/L	5.0 U	10.0	5.0	11/24/15 05:59	
Copper	ug/L	2.5 U	5.0	2.5	11/24/15 05:59	
Iron	ug/L	20.0 U	40.0	20.0	11/24/15 05:59	
Lead	ug/L	5.0 U	10.0	5.0	11/24/15 05:59	
Nickel	ug/L	2.5 U	5.0	2.5	11/24/15 05:59	
Selenium	ug/L	7.5 U	15.0	7.5	11/24/15 05:59	
Silver	ug/L	2.5 U	5.0	2.5	11/24/15 05:59	
Sodium	mg/L	0.50 U	1.0	0.50	11/24/15 05:59	
Vanadium	ug/L	5.0 U	10.0	5.0	11/24/15 05:59	
Zinc	ug/L	10.0 U	20.0	10.0	11/24/15 05:59	

LABORATORY CONTROL SAMPLE: 1400976

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	247	99	80-120	
Barium	ug/L	250	261	104	80-120	
Beryllium	ug/L	25	27.0	108	80-120	
Cadmium	ug/L	25	26.2	105	80-120	
Chromium	ug/L	250	262	105	80-120	
Cobalt	ug/L	250	264	106	80-120	
Copper	ug/L	250	268	107	80-120	
Iron	ug/L	2500	2580	103	80-120	
Lead	ug/L	250	262	105	80-120	
Nickel	ug/L	250	258	103	80-120	
Selenium	ug/L	250	249	99	80-120	
Silver	ug/L	25	27.5	110	80-120	
Sodium	mg/L	12.5	12.9	103	80-120	
Vanadium	ug/L	250	261	104	80-120	
Zinc	ug/L	1250	1270	102	80-120	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400977 1400978

Parameter	Units	35215799004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	249	252	99	100	75-125	1	20	
Barium	ug/L	18.1	250	250	300	266	113	99	75-125	12	20	
Beryllium	ug/L	0.50 U	25	25	27.0	27.2	108	109	75-125	1	20	
Cadmium	ug/L	0.50 U	25	25	26.2	27.0	104	108	75-125	3	20	
Chromium	ug/L	2.5 U	250	250	263	266	105	106	75-125	1	20	
Cobalt	ug/L	5.0 U	250	250	268	273	107	109	75-125	2	20	
Copper	ug/L	2.5 U	250	250	271	272	108	109	75-125	0	20	
Iron	ug/L	73.0	2500	2500	2810	2490	110	97	75-125	12	20	
Lead	ug/L	5.0 U	250	250	263	267	105	106	75-125	2	20	
Nickel	ug/L	2.5 U	250	250	260	265	104	106	75-125	2	20	
Selenium	ug/L	7.5 U	250	250	245	248	98	99	75-125	1	20	
Silver	ug/L	2.5 U	25	25	27.5	27.6	109	110	75-125	0	20	
Sodium	mg/L	8.6	12.5	12.5	22.7	20.5	113	96	75-125	10	20	
Vanadium	ug/L	5.0 U	250	250	264	264	105	106	75-125	0	20	
Zinc	ug/L	10.0 U	1250	1250	1280	1300	102	104	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: MPRP/27491 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1400979 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/23/15 18:51	
Thallium	ug/L	0.50 U	1.0	0.50	11/23/15 18:51	

LABORATORY CONTROL SAMPLE: 1400980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	45.5	91	80-120	
Thallium	ug/L	50	44.6	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400981 1400982

Parameter	Units	35215799005 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	44.8	45.5	89	91	75-125	2	20	
Thallium	ug/L	0.50 U	50	50	45.6	45.9	91	92	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: MSV/16779 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008, 35216760009

METHOD BLANK: 1404871 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008, 35216760009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/26/15 14:32	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/26/15 14:32	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	11/26/15 14:32	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/26/15 14:32	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/26/15 14:32	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/26/15 14:32	
Acetone	ug/L	10.0 U	20.0	10.0	11/26/15 14:32	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/26/15 14:32	
Benzene	ug/L	0.10 U	1.0	0.10	11/26/15 14:32	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/26/15 14:32	
Bromoform	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/26/15 14:32	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Chloroform	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/26/15 14:32	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/26/15 14:32	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/26/15 14:32	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/26/15 14:32	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/26/15 14:32	
Styrene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Toluene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

METHOD BLANK: 1404871 Matrix: Water

Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008, 35216760009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/26/15 14:32	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/26/15 14:32	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/26/15 14:32	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/26/15 14:32	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/26/15 14:32	
1,2-Dichloroethane-d4 (S)	%	97	86-125		11/26/15 14:32	
4-Bromofluorobenzene (S)	%	92	70-114		11/26/15 14:32	
Toluene-d8 (S)	%	93	87-113		11/26/15 14:32	

LABORATORY CONTROL SAMPLE: 1404872

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	17.5	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	70-130	
1,1,2-Trichloroethane	ug/L	20	19.9	100	70-130	
1,1-Dichloroethane	ug/L	20	17.1	85	70-130	
1,1-Dichloroethene	ug/L	20	16.8	84	70-130	
1,2,3-Trichloropropane	ug/L	20	17.3	86	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.4	97	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	20	20.2	101	70-130	
1,2-Dichloroethane	ug/L	20	17.3	87	70-130	
1,2-Dichloropropane	ug/L	20	16.6	83	70-130	
1,4-Dichlorobenzene	ug/L	20	20.4	102	70-130	
2-Butanone (MEK)	ug/L	40	32.0	80	55-167	
2-Hexanone	ug/L	40	39.8	99	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.5	99	70-130	
Acetone	ug/L	40	33.2	83	40-150	
Acrylonitrile	ug/L	200	174	87	70-130	
Benzene	ug/L	20	17.4	87	70-130	
Bromochloromethane	ug/L	20	17.0	85	70-130	
Bromodichloromethane	ug/L	20	16.3	82	70-130	
Bromoform	ug/L	20	17.3	86	68-130	
Bromomethane	ug/L	20	14.3	71	38-179	
Carbon disulfide	ug/L	20	15.6	78	51-155	
Carbon tetrachloride	ug/L	20	17.6	88	70-130	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	17.4	87	59-149	
Chloroform	ug/L	20	17.0	85	70-130	
Chloromethane	ug/L	20	14.7	74	68-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

LABORATORY CONTROL SAMPLE: 1404872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	17.4	87	70-130	
cis-1,3-Dichloropropene	ug/L	20	15.8	79	70-130	
Dibromochloromethane	ug/L	20	18.4	92	70-130	
Dibromomethane	ug/L	20	17.1	86	70-130	
Ethylbenzene	ug/L	20	19.6	98	70-130	
Iodomethane	ug/L	40	30.5	76	43-160	
Methylene Chloride	ug/L	20	17.1	86	70-130	
Styrene	ug/L	20	20.4	102	70-130	
Tetrachloroethene	ug/L	20	18.2	91	66-133	
Toluene	ug/L	20	19.5	98	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.3	87	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.1	91	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	12.9	64	65-130	J(L0)
Trichloroethene	ug/L	20	17.1	86	70-130	
Trichlorofluoromethane	ug/L	20	16.7	84	70-131	
Vinyl acetate	ug/L	20	17.3	86	69-135	
Vinyl chloride	ug/L	20	17.0	85	69-140	
Xylene (Total)	ug/L	60	60.3	101	70-130	
1,2-Dichloroethane-d4 (S)	%			98	86-125	
4-Bromofluorobenzene (S)	%			97	70-114	
Toluene-d8 (S)	%			92	87-113	

MATRIX SPIKE SAMPLE: 1404874

Parameter	Units	35217845035 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	17.5	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.7	98	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	17.4	87	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	17.8	89	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	21.5	108	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	17.7	88	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	18.8	94	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.9	85	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	17.1	85	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.3	96	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	29.1	73	70-130	
2-Hexanone	ug/L	5.0 U	40	33.9	85	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	36.2	91	70-130	
Acetone	ug/L	10.0 U	40	28.3	71	70-130	
Acrylonitrile	ug/L	5.0 U	200	166	83	70-130	
Benzene	ug/L	0.10 U	20	18.3	91	70-130	
Bromochloromethane	ug/L	0.50 U	20	17.9	90	70-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

MATRIX SPIKE SAMPLE: 1404874

Parameter	Units	35217845035 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	0.27 U	20	14.1	71	70-130	
Bromoform	ug/L	0.50 U	20	13.8	69	70-130	J(M1)
Bromomethane	ug/L	0.50 U	20	12.3	61	70-130	J(M1)
Carbon disulfide	ug/L	5.0 U	20	14.7	74	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	18.5	92	70-130	
Chlorobenzene	ug/L	0.50 U	20	19.5	98	70-130	
Chloroethane	ug/L	0.50 U	20	15.5	77	70-130	
Chloroform	ug/L	0.50 U	20	16.0	80	70-130	
Chloromethane	ug/L	0.62 U	20	12.3	61	70-130	J(M1)
cis-1,2-Dichloroethene	ug/L	0.50 U	20	16.7	83	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	14.7	73	70-130	
Dibromochloromethane	ug/L	0.26 U	20	15.8	79	70-130	
Dibromomethane	ug/L	0.50 U	20	15.7	78	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.8	99	70-130	
Iodomethane	ug/L	0.50 U	40	23.2	58	70-130	J(M1)
Methylene Chloride	ug/L	2.5 U	20	17.1	86	70-130	
Styrene	ug/L	0.50 U	20	19.9	100	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.9	85	70-130	
Toluene	ug/L	0.50 U	20	19.9	100	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	17.8	89	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	16.5	82	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	11.0	55	70-130	J(M0)
Trichloroethene	ug/L	0.50 U	20	17.5	88	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	17.8	89	70-130	
Vinyl acetate	ug/L	1.0 U	20	13.5	68	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	16.7	83	70-130	
Xylene (Total)	ug/L	0.50 U	60	59.3	99	70-130	
1,2-Dichloroethane-d4 (S)	%				96	86-125	
4-Bromofluorobenzene (S)	%				97	70-114	
Toluene-d8 (S)	%				92	87-113	

SAMPLE DUPLICATE: 1404873

Parameter	Units	35216760004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

SAMPLE DUPLICATE: 1404873

Parameter	Units	35216760004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	1.8	1.6	7	40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	96	98	2	40	
4-Bromofluorobenzene (S)	%	94	95	1	40	
Toluene-d8 (S)	%	92	94	2	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: OEXT/25357 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216760001, 35216760002

METHOD BLANK: 1397899 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/21/15 07:48	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/21/15 07:48	

LABORATORY CONTROL SAMPLE: 1397900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.27	109	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.28	110	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1398988 1398989

Parameter	Units	35216672006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.44	.44	0.46	0.50	106	115	60-140	8	40	
1,2-Dibromoethane (EDB)	ug/L	0.0060 U	.44	.44	0.48	0.52	110	119	60-140	8	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: OEXT/25426 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1401793 Matrix: Water
Associated Lab Samples: 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/25/15 02:46	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/25/15 02:46	

LABORATORY CONTROL SAMPLE: 1401794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	101	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	102	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402783 1402784

Parameter	Units	35216760003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047 U	.44	.44	0.48	0.49	109	111	60-140	2	40	
1,2-Dibromoethane (EDB)	ug/L	0.0059 U	.44	.44	0.50	0.50	113	114	60-140	1	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: WET/34185 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1394567 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/17/15 11:53	

LABORATORY CONTROL SAMPLE: 1394568

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	90-110	

SAMPLE DUPLICATE: 1394785

Parameter	Units	35216672007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1280	1260	1	5	

SAMPLE DUPLICATE: 1394786

Parameter	Units	35216760004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	734	780	6	5	J(D6)

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: WETA/52166 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1393553 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrate as N	mg/L	0.025 U	0.050	0.025	11/15/15 13:59	

LABORATORY CONTROL SAMPLE: 1393554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393555 1393556

Parameter	Units	35216760008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrate as N	mg/L	0.025 U	5	5	4.9	4.8	97	97	90-110	1	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: WETA/52142 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1393330 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/15/15 13:59	

LABORATORY CONTROL SAMPLE: 1393331

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393332 1393333

Parameter	Units	35216760008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	36.5	50	50	88.8	88.6	105	104	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

QC Batch: WETA/52182 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

METHOD BLANK: 1394482 Matrix: Water
Associated Lab Samples: 35216760001, 35216760002, 35216760003, 35216760004, 35216760005, 35216760006, 35216760007, 35216760008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/17/15 08:50	

LABORATORY CONTROL SAMPLE: 1394483

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

MATRIX SPIKE SAMPLE: 1394485

Parameter	Units	35216672001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	1	0.97	97	90-110	

SAMPLE DUPLICATE: 1394484

Parameter	Units	35216672001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.020 U		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
CU	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216760002	**B70-1**		FLD/		
35216760003	**B70-1 DUP**		FLD/		
35216760004	**B45-2**		FLD/		
35216760005	**B44**		FLD/		
35216760006	**B82-1**		FLD/		
35216760007	**B43-2**		FLD/		
35216760008	**B43-1**		FLD/		
35216760001	**EQ Blank 11/14/15**	EPA 8011	OEXT/25357	EPA 8011	GCSV/16504
35216760002	**B70-1**	EPA 8011	OEXT/25357	EPA 8011	GCSV/16504
35216760003	**B70-1 DUP**	EPA 8011	OEXT/25426	EPA 8011	GCSV/16548
35216760004	**B45-2**	EPA 8011	OEXT/25426	EPA 8011	GCSV/16548
35216760005	**B44**	EPA 8011	OEXT/25426	EPA 8011	GCSV/16548
35216760006	**B82-1**	EPA 8011	OEXT/25426	EPA 8011	GCSV/16548
35216760007	**B43-2**	EPA 8011	OEXT/25426	EPA 8011	GCSV/16548
35216760008	**B43-1**	EPA 8011	OEXT/25426	EPA 8011	GCSV/16548
35216760001	**EQ Blank 11/14/15**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760002	**B70-1**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760003	**B70-1 DUP**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760004	**B45-2**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760005	**B44**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760006	**B82-1**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760007	**B43-2**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760008	**B43-1**	EPA 3010	MPRP/27490	EPA 6010	ICP/16552
35216760001	**EQ Blank 11/14/15**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760002	**B70-1**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760003	**B70-1 DUP**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760004	**B45-2**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760005	**B44**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760006	**B82-1**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760007	**B43-2**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760008	**B43-1**	EPA 3010	MPRP/27491	EPA 6020	ICPM/11202
35216760001	**EQ Blank 11/14/15**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760002	**B70-1**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760003	**B70-1 DUP**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760004	**B45-2**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760005	**B44**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760006	**B82-1**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760007	**B43-2**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760008	**B43-1**	EPA 7470	MERP/6381	EPA 7470	MERC/6362
35216760001	**EQ Blank 11/14/15**	EPA 8260	MSV/16779		
35216760002	**B70-1**	EPA 8260	MSV/16779		
35216760003	**B70-1 DUP**	EPA 8260	MSV/16779		
35216760004	**B45-2**	EPA 8260	MSV/16779		
35216760005	**B44**	EPA 8260	MSV/16779		
35216760006	**B82-1**	EPA 8260	MSV/16779		
35216760007	**B43-2**	EPA 8260	MSV/16779		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216760

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216760008	**B43-1**	EPA 8260	MSV/16779		
35216760009	**TRIP BLANK 11/14/15**	EPA 8260	MSV/16779		
35216760001	**EQ Blank 11/14/15**	SM 2540C	WET/34185		
35216760002	**B70-1**	SM 2540C	WET/34185		
35216760003	**B70-1 DUP**	SM 2540C	WET/34185		
35216760004	**B45-2**	SM 2540C	WET/34185		
35216760005	**B44**	SM 2540C	WET/34185		
35216760006	**B82-1**	SM 2540C	WET/34185		
35216760007	**B43-2**	SM 2540C	WET/34185		
35216760008	**B43-1**	SM 2540C	WET/34185		
35216760001	**EQ Blank 11/14/15**	EPA 300.0	WETA/52166		
35216760002	**B70-1**	EPA 300.0	WETA/52166		
35216760003	**B70-1 DUP**	EPA 300.0	WETA/52166		
35216760004	**B45-2**	EPA 300.0	WETA/52166		
35216760005	**B44**	EPA 300.0	WETA/52166		
35216760006	**B82-1**	EPA 300.0	WETA/52166		
35216760007	**B43-2**	EPA 300.0	WETA/52166		
35216760008	**B43-1**	EPA 300.0	WETA/52166		
35216760001	**EQ Blank 11/14/15**	EPA 300.0	WETA/52142		
35216760002	**B70-1**	EPA 300.0	WETA/52142		
35216760003	**B70-1 DUP**	EPA 300.0	WETA/52142		
35216760004	**B45-2**	EPA 300.0	WETA/52142		
35216760005	**B44**	EPA 300.0	WETA/52142		
35216760006	**B82-1**	EPA 300.0	WETA/52142		
35216760007	**B43-2**	EPA 300.0	WETA/52142		
35216760008	**B43-1**	EPA 300.0	WETA/52142		
35216760001	**EQ Blank 11/14/15**	EPA 350.1	WETA/52182		
35216760002	**B70-1**	EPA 350.1	WETA/52182		
35216760003	**B70-1 DUP**	EPA 350.1	WETA/52182		
35216760004	**B45-2**	EPA 350.1	WETA/52182		
35216760005	**B44**	EPA 350.1	WETA/52182		
35216760006	**B82-1**	EPA 350.1	WETA/52182		
35216760007	**B43-2**	EPA 350.1	WETA/52182		
35216760008	**B43-1**	EPA 350.1	WETA/52182		

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WO# : 35216760

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Page: 1 of 1

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Section A
Required Client Information:

Section B
Required Project Information:

Company: Volusia County Solid Waste	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Tomoka LF Semi Annual MWS	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TDS, Cl, Metals (Calc, Hard)	Hardness	EDB Soil	8260 VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ					11-14-15	0925											Y	Y	Y	Y	Y			
2	B70-1						0821																			
3	Duplicate						0821																			
4	B45-2						0859																			
5	B44						0944																			
6	B82-1						1051																			
7	B43-2						1212																			
8	B43-1						1153																			
9	Trip Blank						0000																			
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	T-213 SAMPLE CONDITIONS			
	[signature]	11-14-15	1315	[signature]	11-14-15	1315	2.1	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [signature]

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11-14-15

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: 0	SAMPLE ID: EB	DATE: 11-14-15

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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT: 07:25
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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	950	HNO3		<	6010 6020	|	|
	1		250	H2SO4			AMMONIA	|	|
	2	CG	40	ICE			EDB 8011	|	|
	3	1	40	HCL			8260 VOC	|	

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: 1 | SAMPLE ID: B 20-1 / Duplicate | DATE: 11-14-15

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): ~~38.13~~ 9.12 | 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)

= (38.13 feet – 9.12 feet) X 0.16 gallons/foot = 4.6416 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: 0730 | PURGING ENDED AT: 0812 | TOTAL VOLUME PURGED (gallons): 7.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0754	4.80	4.80	0.20	9.41	5.34	23.23	292	0.28	1.07	CLEAR	SULFER
0800	1.20	6.00	0.20	9.41	5.28	2323	313	0.25	0.62	"	"
0806	1.20	7.20	0.20	9.41	5.24	2323	318	0.20	0.45	"	"
0812	1.20	7.20	0.20	9.41	5.23	2333	3.20	0.20	0.42	"	"

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: 0812 | SAMPLING ENDED AT: 0821

PUMP OR TUBING DEPTH IN WELL (feet): 10 | TUBING MATERIAL CODE: PE, 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		5.23	TDS, NO3, Cl	APP	< 400
	1	"	250	HNO3		< 2	6010 6020	"	"
	1	"	1	H2SO4		< 2	Ammonia	"	"
	2	CG	40	ICE		5.23	EDB 8011	"	"
	3	"	1	HCl		< 2	BTEX 8260 VOC	"	"

REMARKS:
ORP = 09.1 ORP = 15.7 ORP = 22.7 ORP = 26.6

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 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 MW3	
WELL NO: 2	SAMPLE ID: B45-2	DATE: 11-14-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.96	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 – 6.96 feet) X 0.16 gallons/foot = 1.7024 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): 9	PURGING INITIATED AT: 0840	PURGING ENDED AT: 0855	TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0849	1.80	1.80	0.20	8.18	5.31	23.32	1323	0.44	18.32	Yellow	Sulfur
0852	0.60	2.40	0.20	8.34	5.31	23.34	1330	0.37	11.12	1	1
0855	0.60	3.00	0.20	8.48	5.34	23.42	1314	0.32	6.90	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0855	SAMPLING ENDED AT: 0859
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: PE, 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		5.34	TDS, NO3, Cl	APP	400
	1	1	250	HNO3		<2	6010 6020	|	|
	1	1	250	H2SO4		<2	Ammonia	|	|
	2	CG	40	ICE		5.34	EPA 8011	|	|
	3	1	40	HCl		<2	8260 VOCs	|	|

REMARKS:
ORP -18.5 ORP -31.4 ORP -33.6

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® 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 3
WELL NO:	3	SAMPLE ID:	B44
DATE:	11-17-15		

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		6.98	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.65 feet – 6.98 feet) X 0.16 gallons/foot = 1.2272 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	0925	0940	3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0932	1.40	1.40	0.20	7.69	5.25	22.92	210	3.50	3.42	CLEAR	SULFUR
0934	0.40	1.80	0.20	7.69	5.22	22.99	204	2.60	2.39		
0936	0.40	2.20	0.20	7.69	5.07	23.18	203	1.58	1.98		
0938	0.40	2.60	0.20	7.68	5.06	23.23	206	0.95	1.69		
0940	0.40	3.00	0.20	7.68	5.03	23.27	209	0.61	1.51		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICE / PACE		0940	0944

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

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		5.03	TDS, NO3, Cl	APP	200
	1	1	250	H_2O_3		<2	6010 6020		
	1	1	1	H_2SO_4		<2	AMMONIA		
	2	CG	40	ICE		5.03	EPA 8011		
	3	1	1	HCL		<2	8260 VOCs		

REMARKS:
ORP 5.9 ORP 5.0 ORP -1.3 ORP -6.9 ORP=10.2

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual Mws
WELL NO:	21	SAMPLE ID:	B 82-1
		DATE:	11-14-13

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	8.05	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (38.63 feet – 8.05 feet) X 0.16 gallons/foot = 4.8928 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):	11	PURGING INITIATED AT:	1008	PURGING ENDED AT:	1042	TOTAL VOLUME PURGED (gallons):	7.80

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)
1033	5.00	5.00	0.20	10.12	5.88	2515	429	0.13	8.99	CLEAR	SLIGHT
1040	1.40	6.40	0.20	10.12	5.90	2508	446	0.10	6.67	"	"
1042	1.40	7.80	0.20	10.12	5.90	2505	446	0.09	6.42	"	"

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 ICH / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1047	SAMPLING ENDED AT:	1051
PUMP OR TUBING DEPTH IN WELL (feet):	11	TUBING MATERIAL CODE:	PE, 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		5.90	TDS, NO3, Cl	APP	244.00
	1	/	250	HNO3		<2	6010 6020	/	/
	1	/	1	H2SO4		<2	AMMONIA	/	/
	2	CG	40	ICE		5.90	EDB 8011	/	/
	3	1	1	HCl		<2	8260 VOCs	/	/

REMARKS:
ORP -44.0 ORP -59.5 ORP -72.1

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 Mtg
WELL NO:	5	SAMPLE ID:	B 43-1
DATE:	11-14-15		

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		5.85	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 – 5.85 feet) X 0.16 gallons/foot = 3.6496 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	1115	1149	6.80

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)
1134	3.80	3.80	0.20	6.48	5.84	23.53	784	0.21	17.08	Yellow	SULFAR
1139	1.00	4.80	0.20	6.49	5.76	23.34	955	0.17	18.51	"	"
1144	1.00	5.80	0.20	6.49	5.74	23.28	989	0.15	12.00	"	"
1149	1.00	6.80	0.20	6.49	5.74	23.25	994	0.13	8.76	"	"

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		1149	1153

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
7	PE, 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		5.74	TDS, NO3, Cl	APP	400
	1	1	250	HNO3		<2	6010 6020		
	1	1	1	H2SO4		<2	Ammonia		
	2	CG	40	ICE		5.74	EPA 8011		
	3	1	1	HCl		<2	8260 VOCs		

REMARKS:
ORP -26.6 ORP -42.0 ORP -50.7 ORP -66.6

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:	6	SAMPLE ID:	B43-2
DATE:	11-14-15		

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		5.95	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.45 feet – 5.95 feet) X 0.16 gallons/foot = 1.36 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 11.58 feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: ~~1150~~ 1158 DI	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
7	8		1213	2.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
~~1205~~	~~1.40~~	~~1.40~~	~~0.20~~	~~7.00~~	~~5.74~~	~~23.48~~	~~0.20~~	~~6.20~~	~~2.86~~	DI	
~~1207~~	~~0.40~~	~~1.80~~	~~0.20~~		~~5.74~~	~~23.47~~			~~1.82~~		
1209	1.40	1.40	0.20	7.25	6.02	24.02	683	6.41	3.02	Yellow	SULFER
1211	0.40	1.80	0.20	7.32	6.01	24.03	680	6.33	2.54	"	"
1213	0.40	2.20	0.20	7.45	6.01	24.03	677	0.28	2.06	"	"

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		1213	1217

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

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	"	250	HNO3		< 2	6010 6020	"	"
	1		1	H2SO4		< 2	Ammonia	"	"
	2	CG	40	ICE		6.01	EPA 8011	"	"
	3	"	1	HCl		< 2	8260 VOC's	"	"

REMARKS:
ORP -82.5 ORP ~~-82.9~~ -81.6 ORP -80.4 DI

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia County Solid Waste Project # 2521607600

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

Tracking # _____

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

Date and Initials of person examining contents: 11-14-15 DT 1315

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

Thermometer Used T-213 Type of Ice: Wet Blue None

Cooler Temperature °C: 2.1 / 1.9 / 1.2 (Visual) 0.0 / 0.0 / 0.0 (Correction Factor) 2.1 / 1.9 / 1.2 (Actual)

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

Receipt of samples satisfactory: ☐ Yes ☐ No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

_____ x 5 Gal

_____ x 2.5 Gal

_____ x 1 Gal

_____ x 1 Liter

_____ x 500 mL

_____ x 250 mL

_____ x Other: _____

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

December 23, 2015

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

RE: Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 17, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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CERTIFICATIONS

Project:	Tomoka Semi-annual LF
Pace Project No.:	35217099

Ormond Beach Certification IDs

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35217099001	**EQ Blank 11/17/15**	Water	11/17/15 08:15	11/17/15 17:30
35217099002	**B71**	Water	11/17/15 09:00	11/17/15 17:30
35217099003	**B71 Dup**	Water	11/17/15 09:00	11/17/15 17:30
35217099004	**B72**	Water	11/17/15 09:42	11/17/15 17:30
35217099005	**B73-1**	Water	11/17/15 10:53	11/17/15 17:30
35217099006	**B73-2**	Water	11/17/15 11:20	11/17/15 17:30
35217099007	**FA-2C**	Water	11/17/15 12:01	11/17/15 17:30
35217099008	**B66**	Water	11/17/15 12:46	11/17/15 17:30
35217099009	**B62-2R**	Water	11/17/15 13:14	11/17/15 17:30
35217099010	**B62-1R**	Water	11/17/15 14:48	11/17/15 17:30
35217099011	**B61R**	Water	11/17/15 15:25	11/17/15 17:30
35217099012	**B8-2**	Water	11/17/15 16:13	11/17/15 17:30
35217099013	**B11**	Water	11/17/15 16:40	11/17/15 17:30
35217099014	**Trip Blank 11/17/15**	Water	11/17/15 00:00	11/17/15 17:30

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35217099001	**EQ Blank 11/17/15**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099002	**B71**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099003	**B71 Dup**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099004	**B72**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099005	**B73-1**	EPA 8011	AYF	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099006	**B73-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099007	**FA-2C**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099008	**B66**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099009	**B62-2R**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099010	**B62-1R**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099011	**B61R**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099012	**B8-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099013	**B11**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217099014	**Trip Blank 11/17/15**	EPA 8260	SK	50	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217099001	**EQ Blank 11/17/15**					
EPA 6010	Barium	27.6	ug/L	10.0	11/30/15 16:38	
EPA 6010	Iron	24.6 I	ug/L	40.0	11/30/15 16:38	
SM 2540C	Total Dissolved Solids	25.0	mg/L	5.0	11/22/15 13:07	
35217099002	**B71**					
	Field pH	5.07	Std. Units		11/17/15 09:00	
	Field Temperature	25.15	deg C		11/17/15 09:00	
	Appearance	Color: yellow, Sheen: none			11/17/15 09:00	
	Field Specific Conductance	190	umhos/cm		11/17/15 09:00	
	Oxygen, Dissolved	0.16	mg/L		11/17/15 09:00	
	REDOX	74.0	mV		11/17/15 09:00	
	Turbidity	7.03	NTU		11/17/15 09:00	
	Water Level(NGVD)	21.75	feet		11/17/15 09:00	
EPA 6010	Barium	19.3	ug/L	10.0	11/30/15 16:42	
EPA 6010	Chromium	3.8 I	ug/L	5.0	11/30/15 16:42	
EPA 6010	Iron	1120	ug/L	40.0	11/30/15 16:42	
EPA 6010	Sodium	5.0	mg/L	1.0	11/30/15 16:42	
EPA 6010	Vanadium	9.3 I	ug/L	10.0	11/30/15 16:42	
EPA 6010	Zinc	22.5	ug/L	20.0	11/30/15 16:42	
SM 2540C	Total Dissolved Solids	136	mg/L	5.0	11/22/15 16:48	
EPA 300.0	Chloride	8.2	mg/L	5.0	11/19/15 21:33	
EPA 353.2	Nitrogen, Nitrate	0.032 I	mg/L	0.050	11/18/15 09:19	
35217099003	**B71 Dup**					
	Field pH	5.07	Std. Units		11/17/15 09:00	
	Field Temperature	25.15	deg C		11/17/15 09:00	
	Appearance	Color: yellow, Sheen: none			11/17/15 09:00	
	Field Specific Conductance	190	umhos/cm		11/17/15 09:00	
	Oxygen, Dissolved	0.16	mg/L		11/17/15 09:00	
	REDOX	74.0	mV		11/17/15 09:00	
	Turbidity	7.03	NTU		11/17/15 09:00	
	Water Level(NGVD)	21.75	feet		11/17/15 09:00	
EPA 6010	Barium	19.5	ug/L	10.0	11/30/15 16:46	
EPA 6010	Chromium	4.0 I	ug/L	5.0	11/30/15 16:46	
EPA 6010	Iron	1060	ug/L	40.0	11/30/15 16:46	
EPA 6010	Sodium	4.6	mg/L	1.0	11/30/15 16:46	
EPA 6010	Vanadium	8.9 I	ug/L	10.0	11/30/15 16:46	
EPA 6010	Zinc	22.6	ug/L	20.0	11/30/15 16:46	
SM 2540C	Total Dissolved Solids	143	mg/L	5.0	11/22/15 16:48	
EPA 300.0	Chloride	7.8	mg/L	5.0	11/19/15 21:55	
EPA 353.2	Nitrogen, Nitrate	0.032 I	mg/L	0.050	11/18/15 09:21	
35217099004	**B72**					
	Field pH	6.29	Std. Units		11/17/15 09:42	

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217099004	**B72**					
	Field Temperature	26.07	deg C		11/17/15 09:42	
	Appearance	Color: yellow, Sheen: none			11/17/15 09:42	
	Field Specific Conductance	537	umhos/cm		11/17/15 09:42	
	Oxygen, Dissolved	0.34	mg/L		11/17/15 09:42	
	REDOX	65.3	mV		11/17/15 09:42	
	Turbidity	10.76	NTU		11/17/15 09:42	
	Water Level(NGVD)	21.71	feet		11/17/15 09:42	
EPA 6010	Barium	36.2	ug/L	10.0	11/30/15 16:51	
EPA 6010	Iron	1320	ug/L	40.0	11/30/15 16:51	
EPA 6010	Sodium	4.3	mg/L	1.0	11/30/15 16:51	
EPA 6010	Vanadium	5.5 I	ug/L	10.0	11/30/15 16:51	
EPA 6010	Zinc	155	ug/L	20.0	11/30/15 16:51	
SM 2540C	Total Dissolved Solids	308	mg/L	5.0	11/22/15 16:48	
EPA 300.0	Chloride	4.2 I	mg/L	5.0	11/19/15 23:46	
35217099005	**B73-1**					
	Field pH	6.44	Std. Units		11/17/15 10:53	
	Field Temperature	24.63	deg C		11/17/15 10:53	
	Appearance	Color: yellow, Sheen: none			11/17/15 10:53	
	Field Specific Conductance	729	umhos/cm		11/17/15 10:53	
	Oxygen, Dissolved	0.09	mg/L		11/17/15 10:53	
	REDOX	-107.7	mV		11/17/15 10:53	
	Turbidity	0.37	NTU		11/17/15 10:53	
	Water Level(NGVD)	21.29	feet		11/17/15 10:53	
EPA 6010	Barium	47.7	ug/L	10.0	11/30/15 16:55	
EPA 6010	Iron	12400	ug/L	40.0	11/30/15 16:55	
EPA 6010	Sodium	38.1	mg/L	1.0	11/30/15 16:55	
SM 2540C	Total Dissolved Solids	391	mg/L	5.0	11/22/15 16:48	
EPA 300.0	Chloride	16.1	mg/L	5.0	11/20/15 00:52	
EPA 350.1	Nitrogen, Ammonia	0.14	mg/L	0.050	11/18/15 11:33	
EPA 353.2	Nitrogen, Nitrate	0.056	mg/L	0.050	11/18/15 14:14	
35217099006	**B73-2**					
	Field pH	6.18	Std. Units		11/17/15 11:20	
	Field Temperature	25.61	deg C		11/17/15 11:20	
	Appearance	Color: yellow, Sheen: none			11/17/15 11:20	
	Field Specific Conductance	275	umhos/cm		11/17/15 11:20	
	Oxygen, Dissolved	0.36	mg/L		11/17/15 11:20	
	REDOX	-15.1	mV		11/17/15 11:20	
	Turbidity	6.83	NTU		11/17/15 11:20	
	Water Level(NGVD)	21.75	feet		11/17/15 11:20	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217099006	**B73-2**					
EPA 6010	Arsenic	11.1	ug/L	10.0	11/30/15 16:59	
EPA 6010	Barium	30.7	ug/L	10.0	11/30/15 16:59	
EPA 6010	Iron	2530	ug/L	40.0	11/30/15 16:59	
EPA 6010	Nickel	3.0 I	ug/L	5.0	11/30/15 16:59	
EPA 6010	Sodium	4.2	mg/L	1.0	11/30/15 16:59	
EPA 6010	Zinc	20.5	ug/L	20.0	11/30/15 16:59	
SM 2540C	Total Dissolved Solids	183	mg/L	5.0	11/22/15 16:49	
EPA 300.0	Chloride	4.5 I	mg/L	5.0	11/20/15 01:14	
EPA 350.1	Nitrogen, Ammonia	0.050 I	mg/L	0.050	11/18/15 11:35	
EPA 353.2	Nitrogen, Nitrate	0.036 I	mg/L	0.050	11/18/15 14:20	
35217099007	**FA-2C**					
	Field pH	7.08	Std. Units		11/17/15 12:01	
	Field Temperature	22.04	deg C		11/17/15 12:01	
	Appearance	Color: none, Sheen: none			11/17/15 12:01	
	Field Specific Conductance	739	umhos/cm		11/17/15 12:01	
	Oxygen, Dissolved	0.08	mg/L		11/17/15 12:01	
	REDOX	-176.5	mV		11/17/15 12:01	
	Turbidity	0.40	NTU		11/17/15 12:01	
	Water Level(NGVD)	16.15	feet		11/17/15 12:01	
EPA 6010	Arsenic	5.4 I	ug/L	10.0	11/30/15 17:04	
EPA 6010	Barium	22.5	ug/L	10.0	11/30/15 17:04	
EPA 6010	Iron	865	ug/L	40.0	11/30/15 17:04	
EPA 6010	Sodium	43.3	mg/L	1.0	11/30/15 17:04	
SM 2540C	Total Dissolved Solids	431	mg/L	5.0	11/22/15 16:49	
EPA 300.0	Chloride	68.0	mg/L	5.0	11/20/15 01:37	
EPA 350.1	Nitrogen, Ammonia	0.52	mg/L	0.050	11/18/15 11:40	
35217099008	**B66**					
	Field pH	6.75	Std. Units		11/17/15 12:46	
	Field Temperature	24.83	deg C		11/17/15 12:46	
	Appearance	Color: yellow, Sheen: none			11/17/15 12:46	
	Field Specific Conductance	576	umhos/cm		11/17/15 12:46	
	Oxygen, Dissolved	0.17	mg/L		11/17/15 12:46	
	REDOX	-138.9	mV		11/17/15 12:46	
	Turbidity	3.36	NTU		11/17/15 12:46	
	Water Level(NGVD)	28.33	feet		11/17/15 12:46	
EPA 6010	Arsenic	14.6	ug/L	10.0	11/30/15 17:21	
EPA 6010	Barium	35.6	ug/L	10.0	11/30/15 17:21	
EPA 6010	Iron	1530	ug/L	40.0	11/30/15 17:21	
EPA 6010	Sodium	28.3	mg/L	1.0	11/30/15 17:21	
SM 2540C	Total Dissolved Solids	312	mg/L	5.0	11/22/15 16:50	
EPA 300.0	Chloride	32.8	mg/L	5.0	11/20/15 01:59	

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

SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217099008	**B66**					
EPA 350.1	Nitrogen, Ammonia	0.40	mg/L	0.050	11/18/15 11:42	
EPA 353.2	Nitrogen, Nitrate	0.22	mg/L	0.050	11/18/15 14:23	
35217099009	**B62-2R**					
	Field pH	6.44	Std. Units		11/17/15 13:14	
	Field Temperature	25.18	deg C		11/17/15 13:14	
	Appearance	Color: yellow, Sheen: none			11/17/15 13:14	
	Field Specific Conductance	1278	umhos/cm		11/17/15 13:14	
	Oxygen, Dissolved	0.18	mg/L		11/17/15 13:14	
	REDOX	-142.5	mV		11/17/15 13:14	
	Turbidity	1.16	NTU		11/17/15 13:14	
	Water Level(NGVD)	27.40	feet		11/17/15 13:14	
EPA 6010	Arsenic	7.0 I	ug/L	10.0	11/30/15 17:25	
EPA 6010	Barium	109	ug/L	10.0	11/30/15 17:25	
EPA 6010	Iron	17200	ug/L	40.0	11/30/15 17:25	
EPA 6010	Sodium	20.8	mg/L	1.0	11/30/15 17:25	
EPA 8260	Chlorobenzene	3.6	ug/L	1.0	11/28/15 17:14	
EPA 8260	Toluene	3.6	ug/L	1.0	11/28/15 17:14	
SM 2540C	Total Dissolved Solids	616	mg/L	10.0	11/22/15 16:50	
EPA 300.0	Chloride	15.9	mg/L	10.0	11/20/15 02:21	
EPA 350.1	Nitrogen, Ammonia	22.1	mg/L	0.25	11/18/15 11:53	
EPA 353.2	Nitrogen, Nitrate	0.041 I	mg/L	0.050	11/18/15 14:30	
35217099010	**B62-1R**					
	Field pH	6.56	Std. Units		11/17/15 14:48	
	Field Temperature	24.32	deg C		11/17/15 14:48	
	Appearance	Color: yellow, Sheen: none			11/17/15 14:48	
	Field Specific Conductance	2514	umhos/cm		11/17/15 14:48	
	Oxygen, Dissolved	0.08	mg/L		11/17/15 14:48	
	REDOX	-165.7	mV		11/17/15 14:48	
	Turbidity	18.77	NTU		11/17/15 14:48	
	Water Level(NGVD)	27.14	feet		11/17/15 14:48	
EPA 6010	Barium	424	ug/L	10.0	11/30/15 17:30	
EPA 6010	Chromium	3.4 I	ug/L	5.0	11/30/15 17:30	
EPA 6010	Iron	19000	ug/L	40.0	11/30/15 17:30	
EPA 6010	Nickel	7.7	ug/L	5.0	11/30/15 17:30	
EPA 6010	Sodium	188	mg/L	1.0	11/30/15 17:30	
EPA 8260	Chlorobenzene	2.4	ug/L	1.0	11/28/15 16:49	
SM 2540C	Total Dissolved Solids	996	mg/L	20.0	11/22/15 16:50	J(D6)
EPA 300.0	Chloride	161	mg/L	25.0	11/20/15 02:43	
EPA 350.1	Nitrogen, Ammonia	100	mg/L	0.50	11/18/15 11:57	
EPA 353.2	Nitrogen, Nitrate	0.033 I	mg/L	0.050	11/18/15 14:32	

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217099011	**B61R**					
	Field pH	6.28	Std. Units		11/17/15 15:25	
	Field Temperature	25.17	deg C		11/17/15 15:25	
	Appearance	Color: yellow, Sheen: none			11/17/15 15:25	
	Field Specific Conductance	1150	umhos/cm		11/17/15 15:25	
	Oxygen, Dissolved	1.44	mg/L		11/17/15 15:25	
	REDOX	86.0	mV		11/17/15 15:25	
	Turbidity	2.02	NTU		11/17/15 15:25	
	Water Level(NGVD)	27.69	feet		11/17/15 15:25	
EPA 6010	Barium	142	ug/L	10.0	11/30/15 17:34	
EPA 6010	Iron	19100	ug/L	40.0	11/30/15 17:34	
EPA 6010	Sodium	38.5	mg/L	1.0	11/30/15 17:34	
EPA 8260	Chlorobenzene	1.0	ug/L	1.0	11/28/15 18:03	
SM 2540C	Total Dissolved Solids	603	mg/L	5.0	11/22/15 16:50	
EPA 300.0	Chloride	25.7	mg/L	10.0	11/20/15 03:05	
EPA 350.1	Nitrogen, Ammonia	19.1	mg/L	0.050	11/18/15 11:48	
EPA 353.2	Nitrogen, Nitrate	0.063	mg/L	0.050	11/18/15 14:33	
35217099012	**B8-2**					
	Field pH	5.07	Std. Units		11/17/15 16:13	
	Field Temperature	25.57	deg C		11/17/15 16:13	
	Appearance	Color: none, Sheen: none			11/17/15 16:13	
	Field Specific Conductance	2387	umhos/cm		11/17/15 16:13	
	Oxygen, Dissolved	0.14	mg/L		11/17/15 16:13	
	REDOX	2.6	mV		11/17/15 16:13	
	Turbidity	1.57	NTU		11/17/15 16:13	
	Water Level(NGVD)	26.98	feet		11/17/15 16:13	
EPA 6010	Arsenic	6.3 I	ug/L	10.0	11/30/15 17:38	
EPA 6010	Barium	554	ug/L	10.0	11/30/15 17:38	
EPA 6010	Cadmium	1.4	ug/L	1.0	11/30/15 17:38	
EPA 6010	Iron	61200	ug/L	40.0	11/30/15 17:38	
EPA 6010	Sodium	130	mg/L	1.0	11/30/15 17:38	
EPA 6010	Vanadium	26.4	ug/L	10.0	11/30/15 17:38	
SM 2540C	Total Dissolved Solids	1700	mg/L	20.0	11/22/15 16:51	
EPA 300.0	Chloride	648	mg/L	50.0	11/21/15 02:49	
EPA 350.1	Nitrogen, Ammonia	0.32	mg/L	0.050	11/18/15 12:02	
35217099013	**B11**					
	Field pH	5.00	Std. Units		11/17/15 16:40	
	Field Temperature	26.79	deg C		11/17/15 16:40	
	Appearance	Color; yellow, Sheen: none			11/17/15 16:40	
	Field Specific Conductance	216	umhos/cm		11/17/15 16:40	

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217099013	**B11**					
	Oxygen, Dissolved	0.25	mg/L		11/17/15 16:40	
	REDOX	3.6	mV		11/17/15 16:40	
	Turbidity	0.72	NTU		11/17/15 16:40	
	Water Level(NGVD)	28.14	feet		11/17/15 16:40	
EPA 6010	Barium	60.1	ug/L	10.0	11/30/15 22:45	
EPA 6010	Chromium	3.4 I	ug/L	5.0	11/30/15 22:45	
EPA 6010	Iron	2990	ug/L	40.0	11/30/15 22:45	
EPA 6010	Sodium	11.1	mg/L	1.0	11/30/15 22:45	
EPA 6010	Vanadium	13.8	ug/L	10.0	11/30/15 22:45	
SM 2540C	Total Dissolved Solids	144	mg/L	5.0	11/22/15 16:51	
EPA 300.0	Chloride	18.8	mg/L	5.0	11/20/15 03:50	
EPA 350.1	Nitrogen, Ammonia	0.94	mg/L	0.050	11/18/15 12:04	
EPA 353.2	Nitrogen, Nitrate	0.033 I	mg/L	0.050	11/18/15 14:35	

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PROJECT NARRATIVE

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Date: December 23, 2015

Per client request, the data for wells B61R, B62-1R, B62-2R, and B66 was removed and a revised report generated.
The field temperature for FA-2C and the Water Level readings for B73-1 and B73-2 were corrected and a revised report generated.

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: EQ Blank 11/17/15 **Lab ID: 35217099001** Collected: 11/17/15 08:15 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 14:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/24/15 21:30	11/25/15 14:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:38	7440-38-2	
Barium	**27.6**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:38	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:38	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:38	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:38	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:38	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:38	7440-50-8	
Iron	**24.6 I**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 16:38	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:38	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:38	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 16:38	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:38	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:38	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:38	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 16:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 22:45	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 22:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:05	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 04:39	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 04:39	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 04:39	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 04:39	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 04:39	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 04:39	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 04:39	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 04:39	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: EQ Blank 11/17/15 **Lab ID: 35217099001** Collected: 11/17/15 08:15 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 04:39	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 04:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 04:39	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 04:39	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 04:39	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 04:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 04:39	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 04:39	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 04:39	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 04:39	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 04:39	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 04:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-114		1		11/28/15 04:39	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	86-125		1		11/28/15 04:39	17060-07-0	
Toluene-d8 (S)	95	%	87-113		1		11/28/15 04:39	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**25.0**	mg/L	5.0	5.0	1		11/22/15 13:07		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/19/15 21:11	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/18/15 11:55	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/18/15 09:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B71 **Lab ID: 35217099002** Collected: 11/17/15 09:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.07**	Std. Units			1		11/17/15 09:00		
Field Temperature	**25.15**	deg C			1		11/17/15 09:00		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 09:00		
Field Specific Conductance	**190**	umhos/cm			1		11/17/15 09:00		
Oxygen, Dissolved	**0.16**	mg/L			1		11/17/15 09:00	7782-44-7	
REDOX	**74.0**	mV			1		11/17/15 09:00		
Turbidity	**7.03**	NTU			1		11/17/15 09:00		
Water Level(NGVD)	**21.75**	feet			1		11/17/15 09:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/24/15 21:30	11/25/15 14:17	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/24/15 21:30	11/25/15 14:17	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:42	7440-38-2	
Barium	**19.3**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:42	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:42	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:42	7440-43-9	
Chromium	**3.8 I**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:42	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:42	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:42	7440-50-8	
Iron	**1120**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 16:42	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:42	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:42	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 16:42	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:42	7440-22-4	
Sodium	**5.0**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:42	7440-23-5	
Vanadium	**9.3 I**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:42	7440-62-2	
Zinc	**22.5**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 16:42	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 22:48	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 22:48	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:08	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 05:04	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:04	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 05:04	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 05:04	75-27-4	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B71 **Lab ID: 35217099002** Collected: 11/17/15 09:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:04	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:04	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 05:04	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 05:04	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:04	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 05:04	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 05:04	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:04	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 05:04	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 05:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:04	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 05:04	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 05:04	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 05:04	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:04	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 05:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		11/28/15 05:04	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	86-125		1		11/28/15 05:04	17060-07-0	S3
Toluene-d8 (S)	95	%	87-113		1		11/28/15 05:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B71 **Lab ID: 35217099002** Collected: 11/17/15 09:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**136**	mg/L	5.0	5.0	1		11/22/15 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**8.2**	mg/L	5.0	2.5	1		11/19/15 21:33	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/18/15 11:28	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.032 I**	mg/L	0.050	0.025	1		11/18/15 09:19		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B71 Dup **Lab ID: 35217099003** Collected: 11/17/15 09:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.07**	Std. Units			1		11/17/15 09:00		
Field Temperature	**25.15**	deg C			1		11/17/15 09:00		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 09:00		
Field Specific Conductance	**190**	umhos/cm			1		11/17/15 09:00		
Oxygen, Dissolved	**0.16**	mg/L			1		11/17/15 09:00	7782-44-7	
REDOX	**74.0**	mV			1		11/17/15 09:00		
Turbidity	**7.03**	NTU			1		11/17/15 09:00		
Water Level(NGVD)	**21.75**	feet			1		11/17/15 09:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0054 U**	ug/L	0.022	0.0054	1	11/24/15 21:30	11/25/15 14:47	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068 U**	ug/L	0.011	0.0068	1	11/24/15 21:30	11/25/15 14:47	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:46	7440-38-2	
Barium	**19.5**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:46	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:46	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:46	7440-43-9	
Chromium	**4.0 I**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:46	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:46	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:46	7440-50-8	
Iron	**1060**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 16:46	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:46	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:46	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 16:46	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:46	7440-22-4	
Sodium	**4.6**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:46	7440-23-5	
Vanadium	**8.9 I**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:46	7440-62-2	
Zinc	**22.6**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 16:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:08	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:10	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 05:53	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:53	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 05:53	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 05:53	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B71 Dup **Lab ID: 35217099003** Collected: 11/17/15 09:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:53	78-93-3	J(M1)
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:53	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 05:53	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 05:53	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:53	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 05:53	10061-01-5	J(M1)
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 05:53	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:53	591-78-6	J(M1)
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 05:53	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 05:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 05:53	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 05:53	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	127-18-4	J(M1)
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 05:53	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 05:53	108-05-4	J(M1)
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 05:53	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 05:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		11/28/15 05:53	460-00-4	
1,2-Dichloroethane-d4 (S)	126	%	86-125		1		11/28/15 05:53	17060-07-0	S3
Toluene-d8 (S)	96	%	87-113		1		11/28/15 05:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B71 Dup **Lab ID: 35217099003** Collected: 11/17/15 09:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**143**	mg/L	5.0	5.0	1		11/22/15 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**7.8**	mg/L	5.0	2.5	1		11/19/15 21:55	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/18/15 11:30	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.032 I**	mg/L	0.050	0.025	1		11/18/15 09:21		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B72 **Lab ID: 35217099004** Collected: 11/17/15 09:42 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.29**	Std. Units			1		11/17/15 09:42		
Field Temperature	**26.07**	deg C			1		11/17/15 09:42		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 09:42		
Field Specific Conductance	**537**	umhos/cm			1		11/17/15 09:42		
Oxygen, Dissolved	**0.34**	mg/L			1		11/17/15 09:42	7782-44-7	
REDOX	**65.3**	mV			1		11/17/15 09:42		
Turbidity	**10.76**	NTU			1		11/17/15 09:42		
Water Level(NGVD)	**21.71**	feet			1		11/17/15 09:42		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 15:02	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/24/15 21:30	11/25/15 15:02	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:51	7440-38-2	
Barium	**36.2**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:51	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:51	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:51	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:51	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:51	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:51	7440-50-8	
Iron	**1320**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 16:51	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:51	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:51	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 16:51	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:51	7440-22-4	
Sodium	**4.3**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:51	7440-23-5	
Vanadium	**5.5 I**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:51	7440-62-2	
Zinc	**155**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 16:51	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:11	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:11	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:12	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 06:18	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 06:18	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 06:18	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 06:18	75-27-4	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B72 **Lab ID: 35217099004** Collected: 11/17/15 09:42 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 06:18	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 06:18	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 06:18	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 06:18	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 06:18	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 06:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 06:18	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 06:18	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 06:18	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 06:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 06:18	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 06:18	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 06:18	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 06:18	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 06:18	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 06:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/28/15 06:18	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	86-125		1		11/28/15 06:18	17060-07-0	
Toluene-d8 (S)	96	%	87-113		1		11/28/15 06:18	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B72 **Lab ID: 35217099004** Collected: 11/17/15 09:42 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**308**	mg/L	5.0	5.0	1		11/22/15 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**4.2 I**	mg/L	5.0	2.5	1		11/19/15 23:46	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/18/15 11:32	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/18/15 09:22		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B73-1 **Lab ID: 35217099005** Collected: 11/17/15 10:53 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.44**	Std. Units			1		11/17/15 10:53		
Field Temperature	**24.63**	deg C			1		11/17/15 10:53		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 10:53		
Field Specific Conductance	**729**	umhos/cm			1		11/17/15 10:53		
Oxygen, Dissolved	**0.09**	mg/L			1		11/17/15 10:53	7782-44-7	
REDOX	**-107.7**	mV			1		11/17/15 10:53		
Turbidity	**0.37**	NTU			1		11/17/15 10:53		
Water Level(NGVD)	**21.29**	feet			1		11/17/15 10:53		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 15:18	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/24/15 21:30	11/25/15 15:18	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:55	7440-38-2	
Barium	**47.7**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:55	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:55	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:55	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:55	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:55	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:55	7440-50-8	
Iron	**12400**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 16:55	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:55	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:55	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 16:55	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:55	7440-22-4	
Sodium	**38.1**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:55	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:55	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 16:55	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:14	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:14	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 11:57	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 11:57	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 11:57	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 11:57	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B73-1 **Lab ID: 35217099005** Collected: 11/17/15 10:53 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 11:57	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 11:57	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 11:57	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 11:57	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 11:57	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 11:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 11:57	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 11:57	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 11:57	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 11:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 11:57	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 11:57	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 11:57	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 11:57	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 11:57	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 11:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/28/15 11:57	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	86-125		1		11/28/15 11:57	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/28/15 11:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B73-1 **Lab ID: 35217099005** Collected: 11/17/15 10:53 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**391**	mg/L	5.0	5.0	1		11/22/15 16:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**16.1**	mg/L	5.0	2.5	1		11/20/15 00:52	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.14**	mg/L	0.050	0.020	1		11/18/15 11:33	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.056**	mg/L	0.050	0.025	1		11/18/15 14:14		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B73-2 **Lab ID: 35217099006** Collected: 11/17/15 11:20 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.18**	Std. Units			1		11/17/15 11:20		
Field Temperature	**25.61**	deg C			1		11/17/15 11:20		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 11:20		
Field Specific Conductance	**275**	umhos/cm			1		11/17/15 11:20		
Oxygen, Dissolved	**0.36**	mg/L			1		11/17/15 11:20	7782-44-7	
REDOX	**-15.1**	mV			1		11/17/15 11:20		
Turbidity	**6.83**	NTU			1		11/17/15 11:20		
Water Level(NGVD)	**21.75**	feet			1		11/17/15 11:20		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/24/15 21:30	11/25/15 15:33	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/24/15 21:30	11/25/15 15:33	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**11.1**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:59	7440-38-2	
Barium	**30.7**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:59	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:59	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:59	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:59	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:59	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:59	7440-50-8	
Iron	**2530**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 16:59	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:59	7439-92-1	
Nickel	**3.0 I**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:59	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 16:59	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 16:59	7440-22-4	
Sodium	**4.2**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 16:59	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 16:59	7440-62-2	
Zinc	**20.5**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 16:59	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:18	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:18	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:22	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 15:37	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 15:37	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 15:37	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 15:37	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B73-2 **Lab ID: 35217099006** Collected: 11/17/15 11:20 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	74-83-9	J(M1)
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 15:37	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 15:37	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 15:37	74-87-3	J(M1)
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 15:37	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 15:37	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 15:37	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 15:37	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 15:37	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 15:37	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 15:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 15:37	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 15:37	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 15:37	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 15:37	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 15:37	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 15:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/28/15 15:37	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		11/28/15 15:37	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/28/15 15:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B73-2 **Lab ID: 35217099006** Collected: 11/17/15 11:20 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**183**	mg/L	5.0	5.0	1		11/22/15 16:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**4.5 I**	mg/L	5.0	2.5	1		11/20/15 01:14	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.050 I**	mg/L	0.050	0.020	1		11/18/15 11:35	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.036 I**	mg/L	0.050	0.025	1		11/18/15 14:20		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: FA-2C **Lab ID: 35217099007** Collected: 11/17/15 12:01 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.08**	Std. Units			1		11/17/15 12:01		
Field Temperature	**22.04**	deg C			1		11/17/15 12:01		
Appearance	**Color: none, Sheen: none**				1		11/17/15 12:01		
Field Specific Conductance	**739**	umhos/cm			1		11/17/15 12:01		
Oxygen, Dissolved	**0.08**	mg/L			1		11/17/15 12:01	7782-44-7	
REDOX	**-176.5**	mV			1		11/17/15 12:01		
Turbidity	**0.40**	NTU			1		11/17/15 12:01		
Water Level(NGVD)	**16.15**	feet			1		11/17/15 12:01		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.022	0.0053	1	11/24/15 21:30	11/25/15 15:48	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067 U**	ug/L	0.011	0.0067	1	11/24/15 21:30	11/25/15 15:48	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.4 I**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:04	7440-38-2	
Barium	**22.5**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:04	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:04	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:04	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:04	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:04	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:04	7440-50-8	
Iron	**865**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 17:04	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:04	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:04	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 17:04	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:04	7440-22-4	
Sodium	**43.3**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:04	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:04	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 17:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:21	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:21	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:24	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 16:01	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:01	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 16:01	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 16:01	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: FA-2C **Lab ID: 35217099007** Collected: 11/17/15 12:01 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:01	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:01	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 16:01	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 16:01	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:01	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 16:01	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 16:01	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:01	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 16:01	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 16:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:01	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 16:01	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 16:01	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 16:01	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:01	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 16:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/28/15 16:01	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	86-125		1		11/28/15 16:01	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/28/15 16:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: FA-2C **Lab ID: 35217099007** Collected: 11/17/15 12:01 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**431**	mg/L	5.0	5.0	1		11/22/15 16:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**68.0**	mg/L	5.0	2.5	1		11/20/15 01:37	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.52**	mg/L	0.050	0.020	1		11/18/15 11:40	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/18/15 14:21		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B66 **Lab ID: 35217099008** Collected: 11/17/15 12:46 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.75**	Std. Units			1		11/17/15 12:46		
Field Temperature	**24.83**	deg C			1		11/17/15 12:46		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 12:46		
Field Specific Conductance	**576**	umhos/cm			1		11/17/15 12:46		
Oxygen, Dissolved	**0.17**	mg/L			1		11/17/15 12:46	7782-44-7	
REDOX	**-138.9**	mV			1		11/17/15 12:46		
Turbidity	**3.36**	NTU			1		11/17/15 12:46		
Water Level(NGVD)	**28.33**	feet			1		11/17/15 12:46		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.022	0.0053	1	11/24/15 21:30	11/25/15 16:03	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068 U**	ug/L	0.011	0.0068	1	11/24/15 21:30	11/25/15 16:03	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**14.6**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:21	7440-38-2	
Barium	**35.6**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:21	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:21	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:21	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:21	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:21	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:21	7440-50-8	
Iron	**1530**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 17:21	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:21	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:21	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 17:21	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:21	7440-22-4	
Sodium	**28.3**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:21	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:21	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 17:21	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:24	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:26	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 16:25	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:25	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 16:25	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 16:25	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B66 **Lab ID: 35217099008** Collected: 11/17/15 12:46 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:25	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:25	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 16:25	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 16:25	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:25	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 16:25	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 16:25	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:25	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 16:25	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 16:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:25	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 16:25	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 16:25	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 16:25	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:25	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 16:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/28/15 16:25	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		11/28/15 16:25	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/28/15 16:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B66 **Lab ID: 35217099008** Collected: 11/17/15 12:46 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**312**	mg/L	5.0	5.0	1		11/22/15 16:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**32.8**	mg/L	5.0	2.5	1		11/20/15 01:59	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.40**	mg/L	0.050	0.020	1		11/18/15 11:42	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.22**	mg/L	0.050	0.025	1		11/18/15 14:23		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B62-2R **Lab ID: 35217099009** Collected: 11/17/15 13:14 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.44**	Std. Units			1		11/17/15 13:14		
Field Temperature	**25.18**	deg C			1		11/17/15 13:14		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 13:14		
Field Specific Conductance	**1278**	umhos/cm			1		11/17/15 13:14		
Oxygen, Dissolved	**0.18**	mg/L			1		11/17/15 13:14	7782-44-7	
REDOX	**-142.5**	mV			1		11/17/15 13:14		
Turbidity	**1.16**	NTU			1		11/17/15 13:14		
Water Level(NGVD)	**27.40**	feet			1		11/17/15 13:14		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.022	0.0053	1	11/24/15 21:30	11/25/15 16:18	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067 U**	ug/L	0.011	0.0067	1	11/24/15 21:30	11/25/15 16:18	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**7.0 I**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:25	7440-38-2	
Barium	**109**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:25	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:25	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:25	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:25	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:25	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:25	7440-50-8	
Iron	**17200**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 17:25	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:25	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:25	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 17:25	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:25	7440-22-4	
Sodium	**20.8**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:25	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:25	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 17:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:27	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:27	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:28	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 17:14	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:14	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 17:14	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 17:14	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B62-2R **Lab ID: 35217099009** Collected: 11/17/15 13:14 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:14	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:14	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	56-23-5	
Chlorobenzene	**3.6**	ug/L	1.0	0.50	1		11/28/15 17:14	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 17:14	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 17:14	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:14	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 17:14	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 17:14	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:14	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 17:14	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:14	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 17:14	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	127-18-4	
Toluene	**3.6**	ug/L	1.0	0.50	1		11/28/15 17:14	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 17:14	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 17:14	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:14	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 17:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/28/15 17:14	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		11/28/15 17:14	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		11/28/15 17:14	2037-26-5	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B62-2R **Lab ID: 35217099009** Collected: 11/17/15 13:14 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**616**	mg/L	10.0	10.0	1		11/22/15 16:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**15.9**	mg/L	10.0	5.0	2		11/20/15 02:21	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**22.1**	mg/L	0.25	0.10	5		11/18/15 11:53	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.041 I**	mg/L	0.050	0.025	1		11/18/15 14:30		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B62-1R **Lab ID: 35217099010** Collected: 11/17/15 14:48 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.56**	Std. Units			1		11/17/15 14:48		
Field Temperature	**24.32**	deg C			1		11/17/15 14:48		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 14:48		
Field Specific Conductance	**2514**	umhos/cm			1		11/17/15 14:48		
Oxygen, Dissolved	**0.08**	mg/L			1		11/17/15 14:48	7782-44-7	
REDOX	**-165.7**	mV			1		11/17/15 14:48		
Turbidity	**18.77**	NTU			1		11/17/15 14:48		
Water Level(NGVD)	**27.14**	feet			1		11/17/15 14:48		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	11/24/15 21:30	11/25/15 16:33	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.011	0.0065	1	11/24/15 21:30	11/25/15 16:33	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:30	7440-38-2	
Barium	**424**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:30	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:30	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:30	7440-43-9	
Chromium	**3.4 I**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:30	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:30	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:30	7440-50-8	
Iron	**19000**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 17:30	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:30	7439-92-1	
Nickel	**7.7**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:30	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 17:30	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:30	7440-22-4	
Sodium	**188**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:30	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:30	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 17:30	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:30	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:30	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 16:49	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:49	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 16:49	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 16:49	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B62-1R **Lab ID: 35217099010** Collected: 11/17/15 14:48 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:49	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:49	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	56-23-5	
Chlorobenzene	**2.4**	ug/L	1.0	0.50	1		11/28/15 16:49	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 16:49	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 16:49	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:49	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 16:49	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 16:49	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:49	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 16:49	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 16:49	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 16:49	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 16:49	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 16:49	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 16:49	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 16:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		11/28/15 16:49	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		11/28/15 16:49	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/28/15 16:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B62-1R **Lab ID: 35217099010** Collected: 11/17/15 14:48 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**996**	mg/L	20.0	20.0	1		11/22/15 16:50		J(D6)
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**161**	mg/L	25.0	12.5	5		11/20/15 02:43	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**100**	mg/L	0.50	0.20	10		11/18/15 11:57	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.033 I**	mg/L	0.050	0.025	1		11/18/15 14:32		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B61R **Lab ID: 35217099011** Collected: 11/17/15 15:25 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.28**	Std. Units			1		11/17/15 15:25		
Field Temperature	**25.17**	deg C			1		11/17/15 15:25		
Appearance	**Color: yellow, Sheen: none**				1		11/17/15 15:25		
Field Specific Conductance	**1150**	umhos/cm			1		11/17/15 15:25		
Oxygen, Dissolved	**1.44**	mg/L			1		11/17/15 15:25	7782-44-7	
REDOX	**86.0**	mV			1		11/17/15 15:25		
Turbidity	**2.02**	NTU			1		11/17/15 15:25		
Water Level(NGVD)	**27.69**	feet			1		11/17/15 15:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.020	0.0048	1	11/25/15 09:30	11/29/15 18:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061 U**	ug/L	0.0099	0.0061	1	11/25/15 09:30	11/29/15 18:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:34	7440-38-2	
Barium	**142**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:34	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:34	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:34	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:34	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:34	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:34	7440-50-8	
Iron	**19100**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 17:34	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:34	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:34	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 17:34	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:34	7440-22-4	
Sodium	**38.5**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:34	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:34	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 17:34	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:34	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:32	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 18:03	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:03	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 18:03	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 18:03	75-27-4	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B61R **Lab ID: 35217099011** Collected: 11/17/15 15:25 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:03	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:03	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	56-23-5	
Chlorobenzene	**1.0**	ug/L	1.0	0.50	1		11/28/15 18:03	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 18:03	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 18:03	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:03	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 18:03	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 18:03	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:03	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 18:03	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 18:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:03	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 18:03	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 18:03	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 18:03	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:03	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 18:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		11/28/15 18:03	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/28/15 18:03	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/28/15 18:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B61R **Lab ID: 35217099011** Collected: 11/17/15 15:25 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**603**	mg/L	5.0	5.0	1		11/22/15 16:50		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**25.7**	mg/L	10.0	5.0	2		11/20/15 03:05	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**19.1**	mg/L	0.050	0.020	1		11/18/15 11:48	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.063**	mg/L	0.050	0.025	1		11/18/15 14:33		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B8-2 **Lab ID: 35217099012** Collected: 11/17/15 16:13 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.07**	Std. Units			1		11/17/15 16:13		
Field Temperature	**25.57**	deg C			1		11/17/15 16:13		
Appearance	**Color: none, Sheen: none**				1		11/17/15 16:13		
Field Specific Conductance	**2387**	umhos/cm			1		11/17/15 16:13		
Oxygen, Dissolved	**0.14**	mg/L			1		11/17/15 16:13	7782-44-7	
REDOX	**2.6**	mV			1		11/17/15 16:13		
Turbidity	**1.57**	NTU			1		11/17/15 16:13		
Water Level(NGVD)	**26.98**	feet			1		11/17/15 16:13		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047 U**	ug/L	0.019	0.0047	1	11/25/15 09:30	11/29/15 18:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0059 U**	ug/L	0.0095	0.0059	1	11/25/15 09:30	11/29/15 18:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**6.3 I**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:38	7440-38-2	
Barium	**554**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:38	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:38	7440-41-7	
Cadmium	**1.4**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:38	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:38	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:38	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:38	7440-50-8	
Iron	**61200**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 17:38	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:38	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:38	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 17:38	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 17:38	7440-22-4	
Sodium	**130**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 17:38	7440-23-5	
Vanadium	**26.4**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 17:38	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 17:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:37	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 23:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/24/15 20:00	11/25/15 13:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 17:39	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:39	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 17:39	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 17:39	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B8-2 **Lab ID: 35217099012** Collected: 11/17/15 16:13 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:39	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:39	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 17:39	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 17:39	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:39	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 17:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 17:39	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:39	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 17:39	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 17:39	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 17:39	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 17:39	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 17:39	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 17:39	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 17:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/28/15 17:39	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/28/15 17:39	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		11/28/15 17:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B8-2 **Lab ID: 35217099012** Collected: 11/17/15 16:13 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1700**	mg/L	20.0	20.0	1		11/22/15 16:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**648**	mg/L	50.0	25.0	10		11/21/15 02:49	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.32**	mg/L	0.050	0.020	1		11/18/15 12:02	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/18/15 14:34		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B11 **Lab ID: 35217099013** Collected: 11/17/15 16:40 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.00**	Std. Units			1		11/17/15 16:40		
Field Temperature	**26.79**	deg C			1		11/17/15 16:40		
Appearance	**Color; yellow, Sheen: none**				1		11/17/15 16:40		
Field Specific Conductance	**216**	umhos/cm			1		11/17/15 16:40		
Oxygen, Dissolved	**0.25**	mg/L			1		11/17/15 16:40	7782-44-7	
REDOX	**3.6**	mV			1		11/17/15 16:40		
Turbidity	**0.72**	NTU			1		11/17/15 16:40		
Water Level(NGVD)	**28.14**	feet			1		11/17/15 16:40		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/25/15 09:30	11/29/15 18:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/25/15 09:30	11/29/15 18:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 22:45	7440-38-2	
Barium	**60.1**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 22:45	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 22:45	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 22:45	7440-43-9	
Chromium	**3.4 I**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 22:45	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 22:45	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 22:45	7440-50-8	
Iron	**2990**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 22:45	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 22:45	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 22:45	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 22:45	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 22:45	7440-22-4	
Sodium	**11.1**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 22:45	7440-23-5	
Vanadium	**13.8**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 22:45	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 22:45	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:01	7440-36-0	J(IS)
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:01	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.16 U**	ug/L	0.32	0.16	1	12/01/15 11:08	12/01/15 13:41	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 18:53	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:53	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 18:53	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 18:53	75-27-4	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B11 **Lab ID: 35217099013** Collected: 11/17/15 16:40 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:53	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:53	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 18:53	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 18:53	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:53	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 18:53	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 18:53	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:53	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 18:53	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 18:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 18:53	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 18:53	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 18:53	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 18:53	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 18:53	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 18:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		11/28/15 18:53	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		11/28/15 18:53	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		11/28/15 18:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: B11 **Lab ID: 35217099013** Collected: 11/17/15 16:40 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**144**	mg/L	5.0	5.0	1		11/22/15 16:51		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**18.8**	mg/L	5.0	2.5	1		11/20/15 03:50	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.94**	mg/L	0.050	0.020	1		11/18/15 12:04	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.033**	I mg/L	0.050	0.025	1		11/18/15 14:35		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: Trip Blank 11/17/15 **Lab ID: 35217099014** Collected: 11/17/15 00:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/28/15 19:18	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 19:18	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/28/15 19:18	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/28/15 19:18	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 19:18	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 19:18	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/28/15 19:18	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 19:18	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/28/15 19:18	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 19:18	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 19:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/28/15 19:18	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 19:18	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/28/15 19:18	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/28/15 19:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/28/15 19:18	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/28/15 19:18	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/28/15 19:18	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/28/15 19:18	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/28/15 19:18	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Sample: Trip Blank 11/17/15 **Lab ID: 35217099014** Collected: 11/17/15 00:00 Received: 11/17/15 17:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/28/15 19:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		11/28/15 19:18	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/28/15 19:18	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/28/15 19:18	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MERP/6388 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012

METHOD BLANK: 1402883 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/25/15 12:35	

LABORATORY CONTROL SAMPLE: 1402884

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402885 1402886

Parameter	Units	35216302002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.6	1.6	76	76	75-125	1	20	

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

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MERP/6402 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35217099013

METHOD BLANK: 1406001 Matrix: Water
Associated Lab Samples: 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	12/01/15 13:32	

LABORATORY CONTROL SAMPLE & LCSD: 1406002 1406442

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Mercury	ug/L	2	2.1	2.1	103	106	80-120	2	20	

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

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MPRP/27516 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012

METHOD BLANK: 1401970 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/30/15 15:02	
Barium	ug/L	5.0 U	10.0	5.0	11/30/15 15:02	
Beryllium	ug/L	0.50 U	1.0	0.50	11/30/15 15:02	
Cadmium	ug/L	0.50 U	1.0	0.50	11/30/15 15:02	
Chromium	ug/L	2.5 U	5.0	2.5	11/30/15 15:02	
Cobalt	ug/L	5.0 U	10.0	5.0	11/30/15 15:02	
Copper	ug/L	2.5 U	5.0	2.5	11/30/15 15:02	
Iron	ug/L	20.0 U	40.0	20.0	11/30/15 15:02	
Lead	ug/L	5.0 U	10.0	5.0	11/30/15 15:02	
Nickel	ug/L	2.5 U	5.0	2.5	11/30/15 15:02	
Selenium	ug/L	7.5 U	15.0	7.5	11/30/15 15:02	
Silver	ug/L	2.5 U	5.0	2.5	11/30/15 15:02	
Sodium	mg/L	0.50 U	1.0	0.50	11/30/15 15:02	
Vanadium	ug/L	5.0 U	10.0	5.0	11/30/15 15:02	
Zinc	ug/L	10.0 U	20.0	10.0	11/30/15 15:02	

LABORATORY CONTROL SAMPLE: 1401971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	251	100	80-120	
Barium	ug/L	250	260	104	80-120	
Beryllium	ug/L	25	26.3	105	80-120	
Cadmium	ug/L	25	26.5	106	80-120	
Chromium	ug/L	250	259	104	80-120	
Cobalt	ug/L	250	270	108	80-120	
Copper	ug/L	250	251	100	80-120	
Iron	ug/L	2500	2600	104	80-120	
Lead	ug/L	250	269	108	80-120	
Nickel	ug/L	250	267	107	80-120	
Selenium	ug/L	250	260	104	80-120	
Silver	ug/L	25	25.4	101	80-120	
Sodium	mg/L	12.5	13.0	104	80-120	
Vanadium	ug/L	250	258	103	80-120	
Zinc	ug/L	1250	1300	104	80-120	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401972 1401973

Parameter	Units	35216270001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	12.0	250	250	267	264	102	101	75-125	1	20	
Barium	ug/L	28.8	250	250	287	292	103	105	75-125	2	20	
Beryllium	ug/L	0.50 U	25	25	26.1	25.6	104	102	75-125	2	20	
Cadmium	ug/L	0.50 U	25	25	25.3	25.3	101	101	75-125	0	20	
Chromium	ug/L	28.8	250	250	280	280	101	101	75-125	0	20	
Cobalt	ug/L	5.0 U	250	250	261	263	104	105	75-125	1	20	
Copper	ug/L	48.0	250	250	307	310	104	105	75-125	1	20	
Iron	ug/L	1540	2500	2500	4080	4100	102	103	75-125	1	20	
Lead	ug/L	5.7 I	250	250	258	258	101	101	75-125	0	20	
Nickel	ug/L	44.0	250	250	296	297	101	101	75-125	1	20	
Selenium	ug/L	7.5 U	250	250	274	275	109	110	75-125	1	20	
Silver	ug/L	2.5 U	25	25	26.8	27.1	106	108	75-125	1	20	
Sodium	mg/L	676	12.5	12.5	679	674	19	-16	75-125	1	20	J(M1)
Vanadium	ug/L	78.7	250	250	336	328	103	100	75-125	2	20	
Zinc	ug/L	26.6	1250	1250	1360	1370	107	108	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MPRP/27518
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 35217099013

METHOD BLANK: 1401980
Matrix: Water
Associated Lab Samples: 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Barium	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Beryllium	ug/L	0.50 U	1.0	0.50	11/30/15 22:37	
Cadmium	ug/L	0.50 U	1.0	0.50	11/30/15 22:37	
Chromium	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Cobalt	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Copper	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Iron	ug/L	20.0 U	40.0	20.0	11/30/15 22:37	
Lead	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Nickel	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Selenium	ug/L	7.5 U	15.0	7.5	11/30/15 22:37	
Silver	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Sodium	mg/L	0.50 U	1.0	0.50	11/30/15 22:37	
Vanadium	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Zinc	ug/L	10.0 U	20.0	10.0	11/30/15 22:37	

LABORATORY CONTROL SAMPLE: 1401981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	240	96	80-120	
Barium	ug/L	250	262	105	80-120	
Beryllium	ug/L	25	25.2	101	80-120	
Cadmium	ug/L	25	25.1	101	80-120	
Chromium	ug/L	250	248	99	80-120	
Cobalt	ug/L	250	256	102	80-120	
Copper	ug/L	250	245	98	80-120	
Iron	ug/L	2500	2700	108	80-120	
Lead	ug/L	250	255	102	80-120	
Nickel	ug/L	250	250	100	80-120	
Selenium	ug/L	250	248	99	80-120	
Silver	ug/L	25	25.5	102	80-120	
Sodium	mg/L	12.5	13.6	109	80-120	
Vanadium	ug/L	250	247	99	80-120	
Zinc	ug/L	1250	1240	99	80-120	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401982 1401983

Parameter	Units	35217099013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	234	242	94	97	75-125	3	20	
Barium	ug/L	60.1	250	250	315	314	102	102	75-125	0	20	
Beryllium	ug/L	0.50 U	25	25	25.7	25.8	101	101	75-125	0	20	
Cadmium	ug/L	0.50 U	25	25	24.0	24.9	96	100	75-125	4	20	
Chromium	ug/L	3.4 I	250	250	251	254	99	100	75-125	1	20	
Cobalt	ug/L	5.0 U	250	250	247	257	99	102	75-125	4	20	
Copper	ug/L	2.5 U	250	250	250	252	100	101	75-125	0	20	
Iron	ug/L	2990	2500	2500	5530	5480	102	100	75-125	1	20	
Lead	ug/L	5.0 U	250	250	245	253	98	101	75-125	3	20	
Nickel	ug/L	2.5 U	250	250	242	252	96	101	75-125	4	20	
Selenium	ug/L	7.5 U	250	250	225	234	89	93	75-125	4	20	
Silver	ug/L	2.5 U	25	25	25.3	25.8	101	103	75-125	2	20	
Sodium	mg/L	11.1	12.5	12.5	24.2	24.4	105	106	75-125	1	20	
Vanadium	ug/L	13.8	250	250	264	266	100	101	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1190	1240	95	99	75-125	4	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MPRP/27517 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012

METHOD BLANK: 1401974 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/24/15 21:47	
Thallium	ug/L	0.50 U	1.0	0.50	11/24/15 21:47	

LABORATORY CONTROL SAMPLE: 1401975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.6	99	80-120	
Thallium	ug/L	50	50.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401978 1401979

Parameter	Units	35216302001 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	49.0	48.9	98	98	75-125	0	20	
Thallium	ug/L	0.50 U	50	50	51.8	51.9	104	104	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MPRP/27519 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35217099013

METHOD BLANK: 1401984 Matrix: Water
Associated Lab Samples: 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/24/15 19:55	J(IS)
Thallium	ug/L	0.50 U	1.0	0.50	11/24/15 19:55	

LABORATORY CONTROL SAMPLE: 1401985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.1	98	80-120	J(IS)
Thallium	ug/L	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401986 1401987

Parameter	Units	35217218001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.7	48.9	97	98	75-125	0	20	J(IS)
Thallium	ug/L	0.50 U	50	50	51.0	50.9	102	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MSV/16784 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004

METHOD BLANK: 1404917 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/28/15 03:48	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/28/15 03:48	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/28/15 03:48	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/28/15 03:48	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/28/15 03:48	
Acetone	ug/L	10.0 U	20.0	10.0	11/28/15 03:48	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/28/15 03:48	
Benzene	ug/L	0.10 U	1.0	0.10	11/28/15 03:48	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/28/15 03:48	
Bromoform	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/28/15 03:48	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Chloroform	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/28/15 03:48	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/28/15 03:48	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/28/15 03:48	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/28/15 03:48	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/28/15 03:48	
Styrene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Toluene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/28/15 03:48	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/28/15 03:48	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

METHOD BLANK: 1404917 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/28/15 03:48	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/28/15 03:48	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/28/15 03:48	
1,2-Dichloroethane-d4 (S)	%	122	86-125		11/28/15 03:48	
4-Bromofluorobenzene (S)	%	92	70-114		11/28/15 03:48	
Toluene-d8 (S)	%	94	87-113		11/28/15 03:48	

LABORATORY CONTROL SAMPLE: 1404918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.8	94	70-130	
1,1,1-Trichloroethane	ug/L	20	19.7	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	88	70-130	
1,1,2-Trichloroethane	ug/L	20	17.7	89	70-130	
1,1-Dichloroethane	ug/L	20	17.1	86	70-130	
1,1-Dichloroethene	ug/L	20	19.7	99	70-130	
1,2,3-Trichloropropane	ug/L	20	18.9	94	70-130	
1,2-Dichlorobenzene	ug/L	20	18.9	95	70-130	
1,2-Dichloroethane	ug/L	20	19.5	98	70-130	
1,2-Dichloropropane	ug/L	20	16.6	83	70-130	
1,4-Dichlorobenzene	ug/L	20	19.0	95	70-130	
2-Butanone (MEK)	ug/L	40	27.8	69	55-167	
2-Hexanone	ug/L	40	32.8	82	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	33.7	84	70-130	
Acetone	ug/L	40	35.5	89	40-150	
Acrylonitrile	ug/L	200	156	78	70-130	
Benzene	ug/L	20	16.7	84	70-130	
Bromochloromethane	ug/L	20	17.1	86	70-130	
Bromodichloromethane	ug/L	20	18.4	92	70-130	
Bromoform	ug/L	20	16.9	85	68-130	
Bromomethane	ug/L	20	19.8	99	38-179	
Carbon disulfide	ug/L	20	15.3	77	51-155	
Carbon tetrachloride	ug/L	20	19.3	97	70-130	
Chlorobenzene	ug/L	20	17.9	89	70-130	
Chloroethane	ug/L	20	14.8	74	59-149	
Chloroform	ug/L	20	19.5	97	70-130	
Chloromethane	ug/L	20	20.7	104	68-130	
cis-1,2-Dichloroethene	ug/L	20	16.6	83	70-130	
cis-1,3-Dichloropropene	ug/L	20	16.5	82	70-130	
Dibromochloromethane	ug/L	20	17.3	86	70-130	
Dibromomethane	ug/L	20	17.2	86	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
Iodomethane	ug/L	40	45.8	115	43-160	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

LABORATORY CONTROL SAMPLE: 1404918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	20.3	102	70-130	
Styrene	ug/L	20	17.4	87	70-130	
Tetrachloroethene	ug/L	20	22.9	115	66-133	
Toluene	ug/L	20	17.8	89	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.7	94	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.1	86	65-130	
Trichloroethene	ug/L	20	17.8	89	70-130	
Trichlorofluoromethane	ug/L	20	22.3	112	70-131	
Vinyl acetate	ug/L	20	16.7	84	69-135	
Vinyl chloride	ug/L	20	17.2	86	69-140	
Xylene (Total)	ug/L	60	58.7	98	70-130	
1,2-Dichloroethane-d4 (S)	%			118	86-125	
4-Bromofluorobenzene (S)	%			99	70-114	
Toluene-d8 (S)	%			95	87-113	

MATRIX SPIKE SAMPLE: 1405085

Parameter	Units	35217099003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	16.0	80	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	18.7	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	15.7	79	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	15.4	77	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	15.9	79	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	19.1	96	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	16.7	83	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	16.8	84	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	18.3	91	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	15.5	77	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	16.9	85	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	25.9	65	70-130	J(M1)
2-Hexanone	ug/L	5.0 U	40	26.1	65	70-130	J(M1)
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	28.7	72	70-130	
Acetone	ug/L	10.0 U	40	28.2	70	70-130	
Acrylonitrile	ug/L	5.0 U	200	140	70	70-130	
Benzene	ug/L	0.10 U	20	16.0	80	70-130	
Bromochloromethane	ug/L	0.50 U	20	15.6	78	70-130	
Bromodichloromethane	ug/L	0.27 U	20	16.4	82	70-130	
Bromoform	ug/L	0.50 U	20	14.5	72	70-130	
Bromomethane	ug/L	0.50 U	20	18.0	90	70-130	
Carbon disulfide	ug/L	5.0 U	20	14.3	70	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	18.4	92	70-130	
Chlorobenzene	ug/L	0.50 U	20	16.6	83	70-130	
Chloroethane	ug/L	0.50 U	20	14.5	72	70-130	
Chloroform	ug/L	0.50 U	20	17.3	86	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

MATRIX SPIKE SAMPLE: 1405085

Parameter	Units	35217099003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	18.9	95	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	16.4	82	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	13.8	69	70-130	J(M1)
Dibromochloromethane	ug/L	0.26 U	20	14.7	74	70-130	
Dibromomethane	ug/L	0.50 U	20	15.4	77	70-130	
Ethylbenzene	ug/L	0.50 U	20	17.2	86	70-130	
Iodomethane	ug/L	0.50 U	40	37.1	93	70-130	
Methylene Chloride	ug/L	2.5 U	20	18.9	95	70-130	
Styrene	ug/L	0.50 U	20	14.6	73	70-130	
Tetrachloroethene	ug/L	0.50 U	20	13.5	68	70-130	J(M1)
Toluene	ug/L	0.50 U	20	16.4	82	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	18.5	92	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	14.8	74	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	14.3	72	70-130	
Trichloroethene	ug/L	0.50 U	20	16.9	85	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	24.3	122	70-130	
Vinyl acetate	ug/L	1.0 U	20	12.1	61	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	16.6	83	70-130	
Xylene (Total)	ug/L	0.50 U	60	51.6	86	70-130	
1,2-Dichloroethane-d4 (S)	%				115	86-125	
4-Bromofluorobenzene (S)	%				92	70-114	
Toluene-d8 (S)	%				96	87-113	

SAMPLE DUPLICATE: 1405084

Parameter	Units	35217099002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

SAMPLE DUPLICATE: 1405084

Parameter	Units	35217099002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	126	122	3	40	
4-Bromofluorobenzene (S)	%	92	94	3	40	
Toluene-d8 (S)	%	95	96	1	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: MSV/16791 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013, 35217099014

METHOD BLANK: 1405057 Matrix: Water
Associated Lab Samples: 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013, 35217099014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/28/15 11:32	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/28/15 11:32	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	11/28/15 11:32	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/28/15 11:32	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/28/15 11:32	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/28/15 11:32	
Acetone	ug/L	10.0 U	20.0	10.0	11/28/15 11:32	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/28/15 11:32	
Benzene	ug/L	0.10 U	1.0	0.10	11/28/15 11:32	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/28/15 11:32	
Bromoform	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/28/15 11:32	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Chloroform	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/28/15 11:32	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/28/15 11:32	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/28/15 11:32	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/28/15 11:32	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/28/15 11:32	
Styrene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Toluene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

METHOD BLANK: 1405057 Matrix: Water

Associated Lab Samples: 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013, 35217099014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/28/15 11:32	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/28/15 11:32	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/28/15 11:32	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/28/15 11:32	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/28/15 11:32	
1,2-Dichloroethane-d4 (S)	%	88	86-125		11/28/15 11:32	
4-Bromofluorobenzene (S)	%	96	70-114		11/28/15 11:32	
Toluene-d8 (S)	%	99	87-113		11/28/15 11:32	

LABORATORY CONTROL SAMPLE: 1405058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.9	89	70-130	
1,1,1-Trichloroethane	ug/L	20	17.7	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.3	101	70-130	
1,1,2-Trichloroethane	ug/L	20	20.3	102	70-130	
1,1-Dichloroethane	ug/L	20	19.7	99	70-130	
1,1-Dichloroethene	ug/L	20	18.9	94	70-130	
1,2,3-Trichloropropane	ug/L	20	23.2	116	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	91	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.0	95	70-130	
1,2-Dichlorobenzene	ug/L	20	20.4	102	70-130	
1,2-Dichloroethane	ug/L	20	17.3	86	70-130	
1,2-Dichloropropane	ug/L	20	20.2	101	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	40	34.5	86	55-167	
2-Hexanone	ug/L	40	39.8	99	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.4	99	70-130	
Acetone	ug/L	40	34.5	86	40-150	
Acrylonitrile	ug/L	200	212	106	70-130	
Benzene	ug/L	20	20.6	103	70-130	
Bromochloromethane	ug/L	20	21.1	105	70-130	
Bromodichloromethane	ug/L	20	18.7	94	70-130	
Bromoform	ug/L	20	17.8	89	68-130	
Bromomethane	ug/L	20	13.9	70	38-179	
Carbon disulfide	ug/L	20	18.6	93	51-155	
Carbon tetrachloride	ug/L	20	16.8	84	70-130	
Chlorobenzene	ug/L	20	19.7	98	70-130	
Chloroethane	ug/L	20	21.7	108	59-149	
Chloroform	ug/L	20	19.1	95	70-130	
Chloromethane	ug/L	20	14.7	74	68-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

LABORATORY CONTROL SAMPLE: 1405058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	18.9	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	70-130	
Dibromochloromethane	ug/L	20	18.6	93	70-130	
Dibromomethane	ug/L	20	18.8	94	70-130	
Ethylbenzene	ug/L	20	19.7	98	70-130	
Iodomethane	ug/L	40	39.2	98	43-160	
Methylene Chloride	ug/L	20	19.6	98	70-130	
Styrene	ug/L	20	19.7	99	70-130	
Tetrachloroethene	ug/L	20	23.9	119	66-133	
Toluene	ug/L	20	20.5	102	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.4	97	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.5	93	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.1	80	65-130	
Trichloroethene	ug/L	20	20.0	100	70-130	
Trichlorofluoromethane	ug/L	20	16.4	82	70-131	
Vinyl acetate	ug/L	20	17.2	86	69-135	
Vinyl chloride	ug/L	20	17.4	87	69-140	
Xylene (Total)	ug/L	60	57.9	96	70-130	
1,2-Dichloroethane-d4 (S)	%			89	86-125	
4-Bromofluorobenzene (S)	%			92	70-114	
Toluene-d8 (S)	%			100	87-113	

MATRIX SPIKE SAMPLE: 1405092

Parameter	Units	35217099006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	21.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	21.2	106	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.1	101	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	20.6	103	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	21.0	105	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	23.2	116	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	19.1	95	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	20.3	102	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.7	103	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	20.4	102	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.3	101	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.9	100	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	34.0	85	70-130	
2-Hexanone	ug/L	5.0 U	40	41.5	104	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	42.3	106	70-130	
Acetone	ug/L	10.0 U	40	34.9	87	70-130	
Acrylonitrile	ug/L	5.0 U	200	190	95	70-130	
Benzene	ug/L	0.10 U	20	21.2	106	70-130	
Bromochloromethane	ug/L	0.50 U	20	20.5	102	70-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

MATRIX SPIKE SAMPLE: 1405092

Parameter	Units	35217099006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	0.27 U	20	20.9	105	70-130	
Bromoform	ug/L	0.50 U	20	18.5	92	70-130	
Bromomethane	ug/L	0.50 U	20	12.3	62	70-130	J(M1)
Carbon disulfide	ug/L	5.0 U	20	20.7	103	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	21.0	105	70-130	
Chlorobenzene	ug/L	0.50 U	20	20.3	101	70-130	
Chloroethane	ug/L	0.50 U	20	19.3	96	70-130	
Chloroform	ug/L	0.50 U	20	20.5	103	70-130	
Chloromethane	ug/L	0.62 U	20	12.8	64	70-130	J(M1)
cis-1,2-Dichloroethene	ug/L	0.50 U	20	20.5	102	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	19.7	98	70-130	
Dibromochloromethane	ug/L	0.26 U	20	20.0	100	70-130	
Dibromomethane	ug/L	0.50 U	20	20.7	103	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.1	105	70-130	
Iodomethane	ug/L	0.50 U	40	32.6	82	70-130	
Methylene Chloride	ug/L	2.5 U	20	21.4	107	70-130	
Styrene	ug/L	0.50 U	20	20.4	102	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.0	80	70-130	
Toluene	ug/L	0.50 U	20	21.6	108	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	21.0	105	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	19.8	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	17.5	87	70-130	
Trichloroethene	ug/L	0.50 U	20	21.7	108	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	20.8	104	70-130	
Vinyl acetate	ug/L	1.0 U	20	23.2	116	70-130	
Vinyl chloride	ug/L	0.50 U	20	18.5	92	70-130	
Xylene (Total)	ug/L	0.50 U	60	61.8	103	70-130	
1,2-Dichloroethane-d4 (S)	%				101	86-125	
4-Bromofluorobenzene (S)	%				99	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 1405091

Parameter	Units	35217099005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

SAMPLE DUPLICATE: 1405091

Parameter	Units	35217099005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	90	91	1	40	
4-Bromofluorobenzene (S)	%	94	95	1	40	
Toluene-d8 (S)	%	100	98	2	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: OEXT/25427 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010

METHOD BLANK: 1401795 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/25/15 09:24	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/25/15 09:24	

LABORATORY CONTROL SAMPLE: 1401796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	104	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402790 1402791

Parameter	Units	35216886001 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	0.0049 U	.44	.44	0.47	0.47	108	108	60-140	0	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.50	0.49	114	113	60-140	0	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: OEXT/25453 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217099011, 35217099012, 35217099013

METHOD BLANK: 1403140 Matrix: Water
Associated Lab Samples: 35217099011, 35217099012, 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/29/15 17:54	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/29/15 17:54	

LABORATORY CONTROL SAMPLE: 1403141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.29	114	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.25	100	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1403502 1403503

Parameter	Units	35216899011 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	0.0049 U	.44	.44	0.46	0.55	105	125	60-140	18	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.51	0.61	117	139	60-140	17	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: WET/34288 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35217099001

METHOD BLANK: 1400934 Matrix: Water
Associated Lab Samples: 35217099001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/22/15 12:56	

LABORATORY CONTROL SAMPLE: 1400935

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

SAMPLE DUPLICATE: 1400960

Parameter	Units	35216921001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	7260	7420	2	5	

SAMPLE DUPLICATE: 1400961

Parameter	Units	35216921002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	12400	12900	3	5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: WET/34289 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

METHOD BLANK: 1400936 Matrix: Water
Associated Lab Samples: 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/22/15 16:47	

LABORATORY CONTROL SAMPLE: 1400937

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

SAMPLE DUPLICATE: 1401021

Parameter	Units	35217099010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	996	1060	7	5	J(D6)

SAMPLE DUPLICATE: 1401022

Parameter	Units	35217114008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3900	3840	1	5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: WETA/52293 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35217099001, 35217099002, 35217099003

METHOD BLANK: 1397624 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/19/15 11:12	

LABORATORY CONTROL SAMPLE: 1397625

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397628 1397629

Parameter	Units	35216780003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	150	250	250	416	415	106	106	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1398540 1398541

Parameter	Units	35217165001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	48.3	50	50	102	102	107	107	90-110	0	20	L

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: WETA/52294 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

METHOD BLANK: 1397632 Matrix: Water
Associated Lab Samples: 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/19/15 23:02	

LABORATORY CONTROL SAMPLE: 1397633

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397634 1397635

Parameter	Units	35217099004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.2 I	50	50	50.4	50.3	92	92	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397636 1397637

Parameter	Units	35217111001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	40.9	50	50	94.9	94.9	108	108	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: WETA/52229 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

METHOD BLANK: 1395981 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004, 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/18/15 12:30	

LABORATORY CONTROL SAMPLE: 1395982

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

MATRIX SPIKE SAMPLE: 1395984

Parameter	Units	35217086001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.31	1	1.3	101	90-110	

SAMPLE DUPLICATE: 1395983

Parameter	Units	35217086001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.31	0.27	12	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: WETA/52233 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004

METHOD BLANK: 1396007 Matrix: Water
Associated Lab Samples: 35217099001, 35217099002, 35217099003, 35217099004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/18/15 08:45	

SAMPLE DUPLICATE: 1396009

Parameter	Units	35217062003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.085	0.086	2	20	

SAMPLE DUPLICATE: 1396011

Parameter	Units	35217075001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

QC Batch: WETA/52256 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

METHOD BLANK: 1396443 Matrix: Water
Associated Lab Samples: 35217099005, 35217099006, 35217099007, 35217099008, 35217099009, 35217099010, 35217099011, 35217099012, 35217099013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/18/15 14:11	

SAMPLE DUPLICATE: 1396445

Parameter	Units	35217099005 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.056	0.059	5	20	

SAMPLE DUPLICATE: 1396447

Parameter	Units	35217111002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

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QUALIFIERS

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: MERC/6384

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(IS)	Estimated Value. The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217099002	**B71**		FLD/		
35217099003	**B71 Dup**		FLD/		
35217099004	**B72**		FLD/		
35217099005	**B73-1**		FLD/		
35217099006	**B73-2**		FLD/		
35217099007	**FA-2C**		FLD/		
35217099008	**B66**		FLD/		
35217099009	**B62-2R**		FLD/		
35217099010	**B62-1R**		FLD/		
35217099011	**B61R**		FLD/		
35217099012	**B8-2**		FLD/		
35217099013	**B11**		FLD/		
35217099001	**EQ Blank 11/17/15**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099002	**B71**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099003	**B71 Dup**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099004	**B72**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099005	**B73-1**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099006	**B73-2**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099007	**FA-2C**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099008	**B66**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099009	**B62-2R**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099010	**B62-1R**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35217099011	**B61R**	EPA 8011	OEXT/25453	EPA 8011	GCSV/16560
35217099012	**B8-2**	EPA 8011	OEXT/25453	EPA 8011	GCSV/16560
35217099013	**B11**	EPA 8011	OEXT/25453	EPA 8011	GCSV/16560
35217099001	**EQ Blank 11/17/15**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099002	**B71**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099003	**B71 Dup**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099004	**B72**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099005	**B73-1**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099006	**B73-2**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099007	**FA-2C**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099008	**B66**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099009	**B62-2R**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099010	**B62-1R**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099011	**B61R**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099012	**B8-2**	EPA 3010	MPRP/27516	EPA 6010	ICP/16571
35217099013	**B11**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217099001	**EQ Blank 11/17/15**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099002	**B71**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099003	**B71 Dup**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099004	**B72**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099005	**B73-1**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099006	**B73-2**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099007	**FA-2C**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099008	**B66**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217099009	**B62-2R**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099010	**B62-1R**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099011	**B61R**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099012	**B8-2**	EPA 3010	MPRP/27517	EPA 6020	ICPM/11213
35217099013	**B11**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217099001	**EQ Blank 11/17/15**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099002	**B71**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099003	**B71 Dup**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099004	**B72**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099005	**B73-1**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099006	**B73-2**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099007	**FA-2C**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099008	**B66**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099009	**B62-2R**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099010	**B62-1R**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099011	**B61R**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099012	**B8-2**	EPA 7470	MERP/6388	EPA 7470	MERC/6370
35217099013	**B11**	EPA 7470	MERP/6402	EPA 7470	MERC/6384
35217099001	**EQ Blank 11/17/15**	EPA 8260	MSV/16784		
35217099002	**B71**	EPA 8260	MSV/16784		
35217099003	**B71 Dup**	EPA 8260	MSV/16784		
35217099004	**B72**	EPA 8260	MSV/16784		
35217099005	**B73-1**	EPA 8260	MSV/16791		
35217099006	**B73-2**	EPA 8260	MSV/16791		
35217099007	**FA-2C**	EPA 8260	MSV/16791		
35217099008	**B66**	EPA 8260	MSV/16791		
35217099009	**B62-2R**	EPA 8260	MSV/16791		
35217099010	**B62-1R**	EPA 8260	MSV/16791		
35217099011	**B61R**	EPA 8260	MSV/16791		
35217099012	**B8-2**	EPA 8260	MSV/16791		
35217099013	**B11**	EPA 8260	MSV/16791		
35217099014	**Trip Blank 11/17/15**	EPA 8260	MSV/16791		
35217099001	**EQ Blank 11/17/15**	SM 2540C	WET/34288		
35217099002	**B71**	SM 2540C	WET/34289		
35217099003	**B71 Dup**	SM 2540C	WET/34289		
35217099004	**B72**	SM 2540C	WET/34289		
35217099005	**B73-1**	SM 2540C	WET/34289		
35217099006	**B73-2**	SM 2540C	WET/34289		
35217099007	**FA-2C**	SM 2540C	WET/34289		
35217099008	**B66**	SM 2540C	WET/34289		
35217099009	**B62-2R**	SM 2540C	WET/34289		
35217099010	**B62-1R**	SM 2540C	WET/34289		
35217099011	**B61R**	SM 2540C	WET/34289		
35217099012	**B8-2**	SM 2540C	WET/34289		
35217099013	**B11**	SM 2540C	WET/34289		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35217099

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217099001	**EQ Blank 11/17/15**	EPA 300.0	WETA/52293		
35217099002	**B71**	EPA 300.0	WETA/52293		
35217099003	**B71 Dup**	EPA 300.0	WETA/52293		
35217099004	**B72**	EPA 300.0	WETA/52294		
35217099005	**B73-1**	EPA 300.0	WETA/52294		
35217099006	**B73-2**	EPA 300.0	WETA/52294		
35217099007	**FA-2C**	EPA 300.0	WETA/52294		
35217099008	**B66**	EPA 300.0	WETA/52294		
35217099009	**B62-2R**	EPA 300.0	WETA/52294		
35217099010	**B62-1R**	EPA 300.0	WETA/52294		
35217099011	**B61R**	EPA 300.0	WETA/52294		
35217099012	**B8-2**	EPA 300.0	WETA/52294		
35217099013	**B11**	EPA 300.0	WETA/52294		
35217099001	**EQ Blank 11/17/15**	EPA 350.1	WETA/52229		
35217099002	**B71**	EPA 350.1	WETA/52229		
35217099003	**B71 Dup**	EPA 350.1	WETA/52229		
35217099004	**B72**	EPA 350.1	WETA/52229		
35217099005	**B73-1**	EPA 350.1	WETA/52229		
35217099006	**B73-2**	EPA 350.1	WETA/52229		
35217099007	**FA-2C**	EPA 350.1	WETA/52229		
35217099008	**B66**	EPA 350.1	WETA/52229		
35217099009	**B62-2R**	EPA 350.1	WETA/52229		
35217099010	**B62-1R**	EPA 350.1	WETA/52229		
35217099011	**B61R**	EPA 350.1	WETA/52229		
35217099012	**B8-2**	EPA 350.1	WETA/52229		
35217099013	**B11**	EPA 350.1	WETA/52229		
35217099001	**EQ Blank 11/17/15**	EPA 353.2	WETA/52233		
35217099002	**B71**	EPA 353.2	WETA/52233		
35217099003	**B71 Dup**	EPA 353.2	WETA/52233		
35217099004	**B72**	EPA 353.2	WETA/52233		
35217099005	**B73-1**	EPA 353.2	WETA/52256		
35217099006	**B73-2**	EPA 353.2	WETA/52256		
35217099007	**FA-2C**	EPA 353.2	WETA/52256		
35217099008	**B66**	EPA 353.2	WETA/52256		
35217099009	**B62-2R**	EPA 353.2	WETA/52256		
35217099010	**B62-1R**	EPA 353.2	WETA/52256		
35217099011	**B61R**	EPA 353.2	WETA/52256		
35217099012	**B8-2**	EPA 353.2	WETA/52256		
35217099013	**B11**	EPA 353.2	WETA/52256		

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CHAIN-OF-CUSTODY / Analytical Request Document

WO# : 35217099

35217099

Page: 1 of 2

1871859

Section A Required Client Information:	Section B Required Project Information:	
Company: Volusia County Solid Waste	Report To:	
Address:	Copy To:	
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Tomoka LF Semi Annual MWS	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: TDS, NO3, Cl	Metals (200.7) Hg	Ammonia	TOC	SOC VOC's	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ					11-17-15	0815											Y	Y	Y	Y	Y		
2	B71						0900																	
3	Duplicate						0900																	
4	B72						0942																	
5	B73-1						1053																	
6	B73-2						1120																	
7	FA2C						1201																	
8	B66						1246																	
9	B62-2						1314																	
10	B62-1						1448																	
11	B61						1525																	
12	B8-2						1613																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature] / PACE	11-17-15	1730	TDH	11-17-15	1730	1.3 Y N
							T213

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID / PACE

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11-17-15

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Volusia County Solid Waste	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Tomoka LF Semi Annual MW's	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	Sample ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: TDS; NO3, Cl	Metals (200.7) 200.8 HG	Ammonia	EDB 8011	8260 VOC's	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	B-11					11-12-15	1640											✓	✓	✓	✓	✓		
2	Trip Blank																							
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[redacted] PACE	11-12-15	1730	TDH	11-12-15	1730	1.3 T213	Y	N	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [redacted]

SIGNATURE of SAMPLER: [redacted]

DATE Signed (MM/DD/YY): 11-12-15

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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 MW3	
WELL NO: 8	SAMPLE ID: EQ		DATE: 11-17-15

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: DAUN ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT: 0815
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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		<2	6010 6020 Hg	1	1
	1	1	1	H_2SO_4		<2	Ammonia	1	1
	2	CG	40	ICE			EDB 8011	1	1
	3	1	1	HCl		<2	8260 VOC's	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 Annual MWs	
WELL NO: 1	SAMPLE ID: B 71 / Duplicate	DATE: 11-17-5

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.11	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)
= (21.35 feet – 9.11 feet) X 0.16 gallons/foot = 1.9584 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): 11	PURGING INITIATED AT: 830	PURGING ENDED AT: 0852	TOTAL VOLUME PURGED (gallons): 4.40

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)
0840	2.00	2.00	0.20	10.24	4.87	2501	.164	0.87	8.27	Yellow	sulfur
0843	0.60	2.60	0.20	10.43	4.94	2505	171	0.49	7.64	"	"
0846	0.60	3.20	0.20	10.56	5.01	2509	181	0.29	7.02	"	"
0849	0.60	3.80	0.20	10.62	5.05	2514	186	0.19	7.73	"	"
0852	0.60	4.40	0.20	10.65	5.07	2515	190	0.16	7.03	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0852	SAMPLING ENDED AT: 0900
PUMP OR TUBING DEPTH IN WELL (feet): 11	TUBING MATERIAL CODE: PE, 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		5.07	TDS, NO3, Cl	APP	400
	1	1	250	HNO_3		<2	METAL 6010 6020 HG		
	1		1	H_2SO_4		<2	AMMONIA		
	2	CG	40	ICE		5.07	EPA 8011		
	3	1	1	HCl		<2	8260 VOCs		

REMARKS:
ORP 96.1 ORP 81.2 ORP 86.0 ORP 74.0

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 Annuals
WELL NO: 2 | SAMPLE ID: B 72 | DATE: 11-17-15

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 7.41 | 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)
= (21.50 feet – 7.41 feet) X 0.16 gallons/foot = 2.2544 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): 10 | PURGING INITIATED AT: 0920 | PURGING ENDED AT: 0938 | TOTAL VOLUME PURGED (gallons): 3.60

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)
0932	2.40	2.40	0.20	8.91	6.27	26.08	532	0.51	19.22	Yellow	Sulfur
0935	0.60	3.00	0.20	9.22	6.27	26.07	534	0.40	12.93		
0938	0.60	3.60	0.20	9.45	6.29	26.07	537	0.34	16.26	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: 0938 | SAMPLING ENDED AT: 0942
PUMP OR TUBING DEPTH IN WELL (feet): 10 | TUBING MATERIAL CODE: PE, 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		6.29	TDS, NO3, Cl	APP	< 400
	1	|	250	HNO_3		<2	6010 6020, Hg	|	|
	1	|	|	H_2SO_4		<2	Ammonia	|	|
	2	CG	40	ICE		6.29	EDB 8011	|	|
	3	|	|	HCl		<2	8260 VOC's	|	|

REMARKS:
ORP 66.8 ORP 66.1 ORP 65.3

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 Semi Annual MW3	
WELL NO: 3	SAMPLE ID: B 73-1	DATE: 11-12-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.56	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)
= (32.33 feet – 8.56 feet) X 0.16 gallons/foot = 4.6032 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 0955	PURGING ENDED AT: 1049	TOTAL VOLUME PURGED (gallons): 1080

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)
1019	4.80	4.80	0.20	8.38	6.51	25.19	490	0.50	4.87	Yellow	SULFER
1025	1.20	6.00	0.20	8.39	6.42	24.83	514	0.23	1.12		
1031	1.20	7.20	0.20	8.38	6.44	24.72	680	0.15	0.81		
1037	1.20	8.40	0.20	8.39	6.45	24.67	714	0.12	0.65		
1043	1.20	9.60	0.20	8.39	6.45	24.70	723	0.10	0.12		
1049	1.20	10.80	0.20	8.39	6.44	24.63	729	0.09	0.37		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1049	SAMPLING ENDED AT: 1053
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: PE, 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		6.44	TDS, NO3, Cl	APP	2400
	1	1	250	HNO3		<2	6010, 6020, Hg		
	1	1	1	H2SO4		<2	Ammonia		
	2	CG	40	ICE		6.44	EDB 8011		
	3	1	1	HCl		<2	8260 VOCs		

REMARKS:
ORP -95.1 ORP -96.0 ORP -102.5 ORP -105.4 ORP -107.7

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's
WELL NO:	4	SAMPLE ID:	B 73-2
DATE:	11-17-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	7.34	PURGE PUMP TYPE OR BAILER:	BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (20.38 feet – 7.34 feet) X 0.16 gallons/foot = 2.0864 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):	13	PURGING INITIATED AT:	1059	PURGING ENDED AT:	1116	TOTAL VOLUME PURGED (gallons):	3.40

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)
1110	2.20	2.20	0.20	11.93	6.16	25.58	263	0.60	5.48	Yellow	~~SULFUR~~ DI SULFUR
1113	0.60	2.80	0.20	12.32	6.18	2558	277	0.41	5.49	1	1
1116	0.60	3.40	0.20	12.75	6.18	2561	275	0.36	6.83	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"** = 0.0510; **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):	13	TUBING MATERIAL CODE:	PE, 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		6.18	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		< 2	6010, 6020, Hg	1	1
	1		1	H2SO4		< 2	Ammonia		
	2	CG	40	ICE		6.18	EDB 8011		
	3	1	1	HCl		< 2	8260 VOCs		

REMARKS:
ORP -19.3 ORP -17.4 ORP -15.1

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:	Former Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MWs
WELL NO:	3	SAMPLE ID:	FA2C
		DATE:	11-17-15

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		12.41	ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (95.50 feet – 12.41 feet) X 0.16 gallons/foot = 13.2944 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):
14	14	1135	1159	22.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1149	14.00	14.00	1.00	13.58	7.11	22.65	718	0.11	0.38	Clear	Sulfur
1153	4.00	18.00	1.00	13.58	7.06	22.05	732	0.10	0.30	"	"
1159	4.00	22.00	1.00	13.58	7.08	22.04	739	0.08	0.40	"	"

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		1159	1201

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
14	PE, 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		7.08	TDS, NO3, Cl	ESP	<400
	1	1	250	HNO3		<2	6010 6020 HG	"	"
	1	1	1	H2SO4		<2	Ammonia	"	"
	2	CG	46	ICE		7.08	EDB 8011	"	"
	3	1	1	HCl		<2	8260 VOCs	"	"

REMARKS:
ORP -155.0 ORP -165.4 ORP -176.5

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 2F Semi Annual mw's

WELL NO: 6 | SAMPLE ID: B 66 | DATE: 11-17-15

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 3.73 | PURGE PUMP TYPE OR BAILER: PP

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

= (17.21 feet – 3.73 feet) X 0.16 gallons/foot = 2.1568 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: 1225 | PURGING ENDED AT: 1242 | TOTAL VOLUME PURGED (gallons): 3.40

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)
1236	2.20	2.20	0.20	4.53	6.76	24.85	584	0.40	3.79	Yellow	SULFUR
1239	0.60	2.80	0.20	4.53	6.75	24.87	580	0.20	3.46	1	1
1242	0.68	3.40	0.20	4.53	6.75	24.83	576	0.17	3.36	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: 1242 | SAMPLING ENDED AT: 1246

PUMP OR TUBING DEPTH IN WELL (feet): 5 | TUBING MATERIAL CODE: PE, 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		6.75	TDS, NO3, Cl	APP	400
	1	1	250	HNO_3		<2	6010, 6020, Hg		
	1		1	H_2SO_4		<2	Ammonia		
	2	CG	40	ICE		6.75	EAB 8011		
	3	1	1	HCl		<2	8260 VOCs		

REMARKS:

ORP -114.2 ORP -127.3 ORP -138.9

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 Semi Annual MW's
WELL NO:	7	SAMPLE ID:	B62-2R
		DATE:	11-12-15

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):	12.00	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.56 feet − 12.00 feet) X 0.16 gallons/foot = 1.6896 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:	1255	PURGING ENDED AT:	1310	TOTAL VOLUME PURGED (gallons):	3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1304	1.80	1.80	0.20	12.80	~~7.77~~ 6.45	~~26.48~~ 25.09	1263	0.90	1.32	Yellow	Sulfide
1307	0.80	2.40	0.20	12.80	6.45	25.12	1273	0.24	0.99	1	1
1310	0.60	3.00	0.20	12.80	6.44	25.18	1278	0.18	1.16		

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 ICK / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1310	SAMPLING ENDED AT:	1314
PUMP OR TUBING DEPTH IN WELL (feet):	13	TUBING MATERIAL CODE:	PE, 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		6.44	TDS, NO3, Cl	APP	400
	1	|	250	HNO3		<2	6010, 6020, Hg	|	|
	1	|	1	H2SO4		<2	Ammonia	|	|
	2	CG	40	ICE		6.44	EDB 8011	|	|
	3	1	1	HCL		<2	8260 VOCs	|	|

REMARKS:
ORP -132.2 ORP -137.4 ORP -142.5

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 SEMS Annual MW's

WELL NO: 8 | SAMPLE ID: B62-1R | DATE: 11-17-15

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 11.90 | 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)

= (38.00 feet – 11.90 feet) X 0.16 gallons/foot = 4.176 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: 1320 | PURGING ENDED AT: 1444 | TOTAL VOLUME PURGED (gallons): 16.80

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)
1341	4.20	4.20	0.20	12.23	6.55	24.64	697	0.12	9.93	YELLOW	SLIGHT
1347	1.20	5.40	0.20	12.23	6.55	24.41	1920	0.12	18.59		
1353	1.20	6.60	0.20	12.23	6.56	24.36	2255	0.10	47.33		
1420	5.40	12.00	0.20	12.23	6.56	24.29	2469	0.08	27.10		
1426	1.20	13.20	0.20	12.23	6.56	24.27	2487	0.13	26.03		
1432	1.20	14.40	0.20	12.23	6.56	24.31	2499	0.09	20.10		
1438	1.20	15.60	0.20	12.23	6.56	24.31	2512	0.09	19.58		
1444	1.20	16.80	0.20	12.23	6.56	24.32	2514	0.08	18.77		

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: 1444 | SAMPLING ENDED AT: 1448

PUMP OR TUBING DEPTH IN WELL (feet): 13 | TUBING MATERIAL CODE: PE, 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		6.56	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		< 2	6010, 6020, Hg		
	1	1	1	H2SO4		< 2	Ammonia		
	2	CG	40	ICE		6.56	RSK 8011		
	3	1	1	HCl		< 2	8260 VOCs		

REMARKS:

ORP -107.9 ORP -137.6 ORP 154.8 ORP 160.9 ORP -163.1 ORP -163.8 ORP -165.7 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)

BAD TURBIDITY

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste | SITE LOCATION: Tomoka LF Semi Annual MW's

WELL NO: 9 | SAMPLE ID: BGIR | DATE: 11-17-15

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 11.80 | 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)

= (28.68 feet – 11.80 feet) X 0.16 gallons/foot = 2.700 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): 16 | PURGING INITIATED AT: 1458 | PURGING ENDED AT: 1520 | TOTAL VOLUME PURGED (gallons): 4.40

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)
1512	2.80	2.80	0.20	14.90	6.28	25.14	1106	1.31	4.72	Yellow	Sulfur
1516	0.80	3.60	0.20	14.96	6.28	25.17	1136	1.36	2.73	"	"
1520	0.80	4.40	0.20	15.01	6.28	25.17	1150	1.44	2.02	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: David Ice / PACE | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1520 | SAMPLING ENDED AT: 1525

PUMP OR TUBING DEPTH IN WELL (feet): 16 | TUBING MATERIAL CODE: PE, 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		6.28	TDS, NO3, Cl	APP	< 400
	1	"	250	HNO3		< 2	6010, 6020, Hg	"	"
	1	"	250	H2SO4		< 2	Ammonia	"	"
	2	CG	40	ICE		6.28	EDB 8011	"	"
	3	"	40	HCl		< 2	8260 VOCs	"	"

REMARKS:
ORP -86.9 ORP -86.6 ORP 86.0

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® 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 MWs
WELL NO:	10	SAMPLE ID:	B8-2
DATE:	11-17-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.65	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)
= (33.17 feet – 6.65 feet) X 0.16 gallons/foot = 4.2432 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:	1535	PURGING ENDED AT:	1609	TOTAL VOLUME PURGED (gallons):	6.80

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)
1557	4.40	4.40	0.20	7.56	5.09	25.67	2273	0.22	3.95	CLEAR	NONE
1603	1.20	5.60	0.20	7.56	5.07	25.58	2361	0.18	2.21	"	"
1609	1.20	6.80	0.20	7.56	5.07	2557	2387	0.14	1.57	"	"

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:	1609	SAMPLING ENDED AT:	1613
PUMP OR TUBING DEPTH IN WELL (feet):	8	TUBING MATERIAL CODE:	PE, 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		5.07	TDS, NO3, Cl	APP	<400
	1	1	250	HNO3		<2	6010, 6020, Hg		
	1		1	H2SO4		<2	AMMON. N		
	2	CG	40	ICE		5.07	RSK 8011		
	3	1	1	HCl		<2	8260 VOCs		

REMARKS:
ORP 16.5 ORP 8.9 ORP 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 Annual MW's		
WELL NO: 11	SAMPLE ID: B.11	DATE: 11-17-15	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.20	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (16.75 feet – 5.20 feet) X 0.16 gallons/foot = 1.848 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7	PURGING INITIATED AT: 1620	PURGING ENDED AT: 1636	TOTAL VOLUME PURGED (gallons): 3.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1630	2.00	2.00	0.20	6.00	5.00	26.80	215	0.55	1.24	Yellow	Sulfur
1633	0.60	2.60	0.20	6.00	5.00	26.81	216	0.33	0.72	"	"
1636	0.60	3.20	0.20	6.00	5.00	26.79	216	0.25	0.72	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: David Ick / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1636	SAMPLING ENDED AT: 1640
PUMP OR TUBING DEPTH IN WELL (feet): 7	TUBING MATERIAL CODE: PE, 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		5.00	TDS, NO3, Cl	APP	< 400
	1	"	250	HNO3		< 2	6010 6020, HC	"	"
	1	"	1	H2SO4		< 2	Ammonia		
	2	CG	40	ICE		5.00	EDB 8011		
	3	"	1	HCL		< 2	8260 VOCs		

REMARKS:
ORP -38.1 ORP -29.3 ORP 3.6

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia Co. Project # 35217099

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

Tracking # _____

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

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

Thermometer Used T213 Type of Ice: (Wet) Blue None

Cooler Temperature °C 0.3 (Visual) 0.8 (Correction Factor) 0.3 (Actual) 0.8 1.3 1.3

Date and Initials of person examining contents: 11/17/15 TH 1730

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

December 23, 2015

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

RE: Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 18, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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CERTIFICATIONS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

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

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SAMPLE SUMMARY

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35217332001	**EQ Blank 11/18/15**	Water	11/18/15 08:30	11/18/15 17:55
35217332002	**B34-1**	Water	11/18/15 09:42	11/18/15 17:55
35217332003	**B34-1 DUP**	Water	11/18/15 09:42	11/18/15 17:55
35217332004	**B34-2**	Water	11/18/15 10:15	11/18/15 17:55
35217332005	**FA-1B**	Water	11/18/15 11:15	11/18/15 17:55
35217332006	**F-MB**	Water	11/18/15 12:52	11/18/15 17:55
35217332007	**B35-1**	Water	11/18/15 13:55	11/18/15 17:55
35217332008	**B35-2**	Water	11/18/15 14:26	11/18/15 17:55
35217332009	**B63-1**	Water	11/18/15 15:15	11/18/15 17:55
35217332010	**B63-2**	Water	11/18/15 15:41	11/18/15 17:55
35217332011	**B38-1**	Water	11/18/15 16:41	11/18/15 17:55
35217332012	**B38-2**	Water	11/18/15 17:13	11/18/15 17:55
35217332013	**TRIP BLANK 11/18/15**	Water	11/18/15 00:00	11/18/15 17:55

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35217332001	**EQ Blank 11/18/15**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332002	**B34-1**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332003	**B34-1 DUP**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332004	**B34-2**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332005	**FA-1B**	EPA 8011	IRL	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332006	**F-MB**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332007	**B35-1**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332008	**B35-2**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332009	**B63-1**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332010	**B63-2**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332011	**B38-1**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332012	**B38-2**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	CLS	1	PASI-O
		EPA 300.0	KEK	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217332013	**TRIP BLANK 11/18/15**	EPA 8260	SK	50	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217332001	**EQ Blank 11/18/15**					
EPA 6010	Barium	22.6	ug/L	10.0	11/30/15 23:38	
SM 2540C	Total Dissolved Solids	17.0	mg/L	5.0	11/22/15 21:54	
35217332002	**B34-1**					
	Field pH	6.34	Std. Units		11/18/15 09:42	
	Field Temperature	23.13	deg C		11/18/15 09:42	
	Appearance	Color: yellow, Sheen: none			11/18/15 09:42	
	Field Specific Conductance	1442	umhos/cm		11/18/15 09:42	
	Oxygen, Dissolved	0.14	mg/L		11/18/15 09:42	
	REDOX	-110.4	mV		11/18/15 09:42	
	Turbidity	1.24	NTU		11/18/15 09:42	
	Water Level(NGVD)	28.15	feet		11/18/15 09:42	
EPA 6010	Barium	166	ug/L	10.0	11/30/15 23:42	
EPA 6010	Iron	37400	ug/L	40.0	11/30/15 23:42	
EPA 6010	Sodium	46.8	mg/L	1.0	11/30/15 23:42	
SM 2540C	Total Dissolved Solids	978	mg/L	10.0	11/22/15 21:54	
EPA 300.0	Chloride	58.5	mg/L	10.0	11/20/15 16:28	
EPA 350.1	Nitrogen, Ammonia	0.17	mg/L	0.050	11/19/15 12:38	
EPA 353.2	Nitrogen, Nitrate	0.034 I	mg/L	0.050	11/20/15 08:05	
35217332003	**B34-1 DUP**					
	Field pH	6.34	Std. Units		11/18/15 09:42	
	Field Temperature	23.13	deg C		11/18/15 09:42	
	Appearance	Color; yellow, Sheen: none			11/18/15 09:42	
	Field Specific Conductance	1442	umhos/cm		11/18/15 09:42	
	Oxygen, Dissolved	0.14	mg/L		11/18/15 09:42	
	REDOX	-110.4	mV		11/18/15 09:42	
	Turbidity	1.24	NTU		11/18/15 09:42	
	Water Level(NGVD)	28.15	feet		11/18/15 09:42	
EPA 6010	Barium	160	ug/L	10.0	11/30/15 23:47	
EPA 6010	Iron	36000	ug/L	40.0	11/30/15 23:47	
EPA 6010	Sodium	44.6	mg/L	1.0	11/30/15 23:47	
SM 2540C	Total Dissolved Solids	968	mg/L	10.0	11/22/15 21:55	
EPA 300.0	Chloride	59.0	mg/L	10.0	11/20/15 16:47	
EPA 350.1	Nitrogen, Ammonia	0.18	mg/L	0.050	11/19/15 12:40	
EPA 353.2	Nitrogen, Nitrate	0.031 I	mg/L	0.050	11/20/15 08:06	
35217332004	**B34-2**					
	Field pH	6.65	Std. Units		11/18/15 10:15	
	Field Temperature	23.84	deg C		11/18/15 10:15	
	Appearance	Color: yellow, Sheen: none			11/18/15 10:15	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217332004	**B34-2**					
	Field Specific Conductance	1418	umhos/cm		11/18/15 10:15	
	Oxygen, Dissolved	0.32	mg/L		11/18/15 10:15	
	REDOX	-148.7	mV		11/18/15 10:15	
	Turbidity	2.03	NTU		11/18/15 10:15	
	Water Level(NGVD)	29.30	feet		11/18/15 10:15	
EPA 6010	Barium	82.7	ug/L	10.0	12/01/15 00:03	
EPA 6010	Iron	22600	ug/L	40.0	12/01/15 00:03	
EPA 6010	Nickel	9.6	ug/L	5.0	12/01/15 00:03	
EPA 6010	Sodium	33.0	mg/L	1.0	12/01/15 00:03	
SM 2540C	Total Dissolved Solids	882	mg/L	10.0	11/22/15 21:56	
EPA 300.0	Chloride	66.8	mg/L	10.0	11/20/15 17:07	
EPA 350.1	Nitrogen, Ammonia	0.80	mg/L	0.050	11/19/15 12:42	
35217332005	**FA-1B**					
	Field pH	6.99	Std. Units		11/18/15 11:15	
	Field Temperature	22.26	deg C		11/18/15 11:15	
	Appearance	Color: none, Sheen: none			11/18/15 11:15	
	Field Specific Conductance	597	umhos/cm		11/18/15 11:15	
	Oxygen, Dissolved	0.39	mg/L		11/18/15 11:15	
	REDOX	-126.9	mV		11/18/15 11:15	
	Turbidity	1.11	NTU		11/18/15 11:15	
	Water Level(NGVD)	20.10	feet		11/18/15 11:15	
EPA 6010	Barium	41.6	ug/L	10.0	12/01/15 00:07	
EPA 6010	Iron	428	ug/L	40.0	12/01/15 00:07	
EPA 6010	Sodium	10.7	mg/L	1.0	12/01/15 00:07	
SM 2540C	Total Dissolved Solids	352	mg/L	5.0	11/22/15 21:56	
EPA 300.0	Chloride	16.0	mg/L	5.0	11/20/15 17:26	
EPA 350.1	Nitrogen, Ammonia	1.0	mg/L	0.050	11/19/15 12:43	
35217332006	**F-MB**					
	Field pH	6.74	Std. Units		11/18/15 12:52	
	Field Temperature	23.47	deg C		11/18/15 12:52	
	Appearance	Color: none, Sheen: none			11/18/15 12:52	
	Field Specific Conductance	619	umhos/cm		11/18/15 12:52	
	Oxygen, Dissolved	0.14	mg/L		11/18/15 12:52	
	REDOX	-52.2	mV		11/18/15 12:52	
	Turbidity	12.66	NTU		11/18/15 12:52	
	Water Level(NGVD)	19.42	feet		11/18/15 12:52	
EPA 6010	Barium	18.4	ug/L	10.0	12/01/15 00:11	
EPA 6010	Iron	125	ug/L	40.0	12/01/15 00:11	
EPA 6010	Sodium	17.1	mg/L	1.0	12/01/15 00:11	
SM 2540C	Total Dissolved Solids	366	mg/L	5.0	11/22/15 21:56	
EPA 300.0	Chloride	23.5	mg/L	5.0	11/20/15 17:45	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217332006	**F-MB**					
EPA 350.1	Nitrogen, Ammonia	0.36	mg/L	0.050	11/19/15 12:45	
35217332007	**B35-1**					
	Field pH	5.47	Std. Units		11/18/15 13:55	
	Field Temperature	22.90	deg C		11/18/15 13:55	
	Appearance	Color: yellow, Sheen: none			11/18/15 13:55	
	Field Specific Conductance	350	umhos/cm		11/18/15 13:55	
	Oxygen, Dissolved	0.15	mg/L		11/18/15 13:55	
	REDOX	-8.8	mV		11/18/15 13:55	
	Turbidity	2.74	NTU		11/18/15 13:55	
	Water Level(NGVD)	28.36	feet		11/18/15 13:55	
EPA 6010	Barium	89.9	ug/L	10.0	12/01/15 00:15	
EPA 6010	Iron	10200	ug/L	40.0	12/01/15 00:15	
EPA 6010	Sodium	28.4	mg/L	1.0	12/01/15 00:15	
SM 2540C	Total Dissolved Solids	244	mg/L	5.0	11/22/15 21:56	
EPA 300.0	Chloride	64.9	mg/L	5.0	11/20/15 18:05	
EPA 350.1	Nitrogen, Ammonia	0.15	mg/L	0.050	11/19/15 12:47	
35217332008	**B35-2**					
	Field pH	4.97	Std. Units		11/18/15 14:26	
	Field Temperature	23.57	deg C		11/18/15 14:26	
	Appearance	Color: yellow, Sheen: none			11/18/15 14:26	
	Field Specific Conductance	491	umhos/cm		11/18/15 14:26	
	Oxygen, Dissolved	0.11	mg/L		11/18/15 14:26	
	REDOX	-13	mV		11/18/15 14:26	
	Turbidity	1.74	NTU		11/18/15 14:26	
	Water Level(NGVD)	28.52	feet		11/18/15 14:26	
EPA 6010	Barium	75.2	ug/L	10.0	12/01/15 00:19	
EPA 6010	Chromium	6.3	ug/L	5.0	12/01/15 00:19	
EPA 6010	Iron	9260	ug/L	40.0	12/01/15 00:19	
EPA 6010	Sodium	73.4	mg/L	1.0	12/01/15 00:19	
EPA 6010	Vanadium	8.9 I	ug/L	10.0	12/01/15 00:19	
SM 2540C	Total Dissolved Solids	305	mg/L	5.0	11/22/15 21:56	
EPA 300.0	Chloride	110	mg/L	10.0	11/23/15 04:42	
EPA 350.1	Nitrogen, Ammonia	1.3	mg/L	0.050	11/19/15 12:48	
EPA 353.2	Nitrogen, Nitrate	0.053	mg/L	0.050	11/19/15 14:23	
35217332009	**B63-1**					
	Field pH	6.42	Std. Units		11/18/15 15:15	
	Field Temperature	23.90	deg C		11/18/15 15:15	
	Appearance	Color: none, Sheen: none			11/18/15 15:15	

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217332009	**B63-1**					
	Field Specific Conductance	529	umhos/cm		11/18/15 15:15	
	Oxygen, Dissolved	0.38	mg/L		11/18/15 15:15	
	REDOX	-71.6	mV		11/18/15 15:15	
	Turbidity	5.65	NTU		11/18/15 15:15	
	Water Level(NGVD)	28.13	feet		11/18/15 15:15	
EPA 6010	Barium	42.7	ug/L	10.0	12/01/15 00:24	
EPA 6010	Iron	2490	ug/L	40.0	12/01/15 00:24	
EPA 6010	Sodium	53.8	mg/L	1.0	12/01/15 00:24	
SM 2540C	Total Dissolved Solids	311	mg/L	5.0	11/22/15 21:57	
EPA 300.0	Chloride	35.9	mg/L	5.0	11/20/15 15:56	
EPA 350.1	Nitrogen, Ammonia	0.13	mg/L	0.050	11/19/15 12:55	
35217332010	**B63-2**					
	Field pH	6.33	Std. Units		11/18/15 15:41	
	Field Temperature	24.21	deg C		11/18/15 15:41	
	Appearance	Color: yellow, Sheen: none			11/18/15 15:41	
	Field Specific Conductance	907	umhos/cm		11/18/15 15:41	
	Oxygen, Dissolved	0.22	mg/L		11/18/15 15:41	
	REDOX	-101.0	mV		11/18/15 15:41	
	Turbidity	5.64	NTU		11/18/15 15:41	
	Water Level(NGVD)	28.27	feet		11/18/15 15:41	
EPA 6010	Barium	68.8	ug/L	10.0	12/01/15 00:28	
EPA 6010	Iron	18000	ug/L	40.0	12/01/15 00:28	
EPA 6010	Sodium	46.4	mg/L	1.0	12/01/15 00:28	
EPA 8260	Benzene	0.35	ug/L	1.0	11/30/15 05:29	I
SM 2540C	Total Dissolved Solids	503	mg/L	5.0	11/22/15 21:57	
EPA 300.0	Chloride	47.9	mg/L	5.0	11/20/15 16:19	
EPA 350.1	Nitrogen, Ammonia	0.59	mg/L	0.050	11/19/15 12:57	
EPA 353.2	Nitrogen, Nitrate	0.053	mg/L	0.050	11/19/15 14:25	
35217332011	**B38-1**					
	Field pH	5.15	Std. Units		11/18/15 16:41	
	Field Temperature	23.09	deg C		11/18/15 16:41	
	Appearance	Color: none, Sheen: none			11/18/15 16:41	
	Field Specific Conductance	353	umhos/cm		11/18/15 16:41	
	Oxygen, Dissolved	0.17	mg/L		11/18/15 16:41	
	REDOX	-18.2	mV		11/18/15 16:41	
	Turbidity	1.73	NTU		11/18/15 16:41	
	Water Level(NGVD)	24.77	feet		11/18/15 16:41	
EPA 6010	Barium	97.8	ug/L	10.0	12/01/15 00:32	
EPA 6010	Iron	21900	ug/L	40.0	12/01/15 00:32	
EPA 6010	Sodium	28.8	mg/L	1.0	12/01/15 00:32	
SM 2540C	Total Dissolved Solids	210	mg/L	5.0	11/22/15 21:58	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217332011	**B38-1**					
EPA 300.0	Chloride	62.9	mg/L	5.0	11/20/15 16:41	
EPA 350.1	Nitrogen, Ammonia	0.085	mg/L	0.050	11/19/15 12:58	
EPA 353.2	Nitrogen, Nitrate	0.071	mg/L	0.050	11/19/15 14:27	
35217332012	**B38-2**					
	Field pH	5.79	Std. Units		11/18/15 17:13	
	Field Temperature	23.58	deg C		11/18/15 17:13	
	Appearance	Color: yellow, Sheen: none			11/18/15 17:13	
	Field Specific Conductance	624	umhos/cm		11/18/15 17:13	
	Oxygen, Dissolved	0.11	mg/L		11/18/15 17:13	
	REDOX	-64.2	mV		11/18/15 17:13	
	Turbidity	1.69	NTU		11/18/15 17:13	
	Water Level(NGVD)	26.60	feet		11/18/15 17:13	
EPA 6010	Barium	36.1	ug/L	10.0	12/01/15 00:36	
EPA 6010	Iron	10200	ug/L	40.0	12/01/15 00:36	
EPA 6010	Sodium	41.3	mg/L	1.0	12/01/15 00:36	
SM 2540C	Total Dissolved Solids	410	mg/L	5.0	11/22/15 21:58	
EPA 300.0	Chloride	43.8	mg/L	5.0	11/20/15 17:03	
EPA 350.1	Nitrogen, Ammonia	2.3	mg/L	0.050	11/19/15 13:00	
EPA 353.2	Nitrogen, Nitrate	0.042 I	mg/L	0.050	11/19/15 14:28	

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PROJECT NARRATIVE

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Date: December 23, 2015

The field Temperature reading for F-MB was corrected and a revised report generated.

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: EQ Blank 11/18/15 **Lab ID: 35217332001** Collected: 11/18/15 08:30 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	11/30/15 21:50	12/01/15 12:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	11/30/15 21:50	12/01/15 12:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:38	7440-38-2	
Barium	**22.6**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:38	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:38	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:38	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:38	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:38	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:38	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 23:38	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:38	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:38	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 23:38	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:38	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:38	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:38	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 23:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:53	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:53	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 15:42	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 00:55	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 00:55	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 00:55	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 00:55	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 00:55	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 00:55	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 00:55	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 00:55	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	95-50-1	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: EQ Blank 11/18/15 **Lab ID: 35217332001** Collected: 11/18/15 08:30 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 00:55	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 00:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 00:55	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 00:55	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 00:55	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 00:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 00:55	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 00:55	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 00:55	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 00:55	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 00:55	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 00:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/30/15 00:55	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/30/15 00:55	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/30/15 00:55	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**17.0**	mg/L	5.0	5.0	1		11/22/15 21:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/20/15 16:08	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/19/15 12:36	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 07:58		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-1 **Lab ID: 35217332002** Collected: 11/18/15 09:42 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.34**	Std. Units			1		11/18/15 09:42		
Field Temperature	**23.13**	deg C			1		11/18/15 09:42		
Appearance	**Color: yellow, Sheen: none**				1		11/18/15 09:42		
Field Specific Conductance	**1442**	umhos/cm			1		11/18/15 09:42		
Oxygen, Dissolved	**0.14**	mg/L			1		11/18/15 09:42	7782-44-7	
REDOX	**-110.4**	mV			1		11/18/15 09:42		
Turbidity	**1.24**	NTU			1		11/18/15 09:42		
Water Level(NGVD)	**28.15**	feet			1		11/18/15 09:42		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	11/30/15 21:50	12/01/15 12:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	11/30/15 21:50	12/01/15 12:51	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:42	7440-38-2	
Barium	**166**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:42	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:42	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:42	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:42	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:42	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:42	7440-50-8	
Iron	**37400**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 23:42	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:42	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:42	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 23:42	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:42	7440-22-4	
Sodium	**46.8**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:42	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:42	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 23:42	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:56	7440-36-0	J(IS)
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:56	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 15:44	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 01:45	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:45	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 01:45	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 01:45	75-27-4	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-1 **Lab ID: 35217332002** Collected: 11/18/15 09:42 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:45	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:45	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 01:45	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 01:45	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:45	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 01:45	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 01:45	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:45	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 01:45	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 01:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:45	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 01:45	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 01:45	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 01:45	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:45	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 01:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		11/30/15 01:45	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		11/30/15 01:45	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		11/30/15 01:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-1 **Lab ID: 35217332002** Collected: 11/18/15 09:42 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**978**	mg/L	10.0	10.0	1		11/22/15 21:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**58.5**	mg/L	10.0	5.0	2		11/20/15 16:28	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.17**	mg/L	0.050	0.020	1		11/19/15 12:38	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.034 I**	mg/L	0.050	0.025	1		11/20/15 08:05		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-1 DUP **Lab ID: 35217332003** Collected: 11/18/15 09:42 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.34**	Std. Units			1		11/18/15 09:42		
Field Temperature	**23.13**	deg C			1		11/18/15 09:42		
Appearance	**Color; yellow, Sheen: none**				1		11/18/15 09:42		
Field Specific Conductance	**1442**	umhos/cm			1		11/18/15 09:42		
Oxygen, Dissolved	**0.14**	mg/L			1		11/18/15 09:42	7782-44-7	
REDOX	**-110.4**	mV			1		11/18/15 09:42		
Turbidity	**1.24**	NTU			1		11/18/15 09:42		
Water Level(NGVD)	**28.15**	feet			1		11/18/15 09:42		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.020	0.0048	1	11/30/15 21:50	12/01/15 13:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0060 U**	ug/L	0.0098	0.0060	1	11/30/15 21:50	12/01/15 13:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:47	7440-38-2	
Barium	**160**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:47	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:47	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:47	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:47	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:47	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:47	7440-50-8	
Iron	**36000**	ug/L	40.0	20.0	1	11/24/15 05:41	11/30/15 23:47	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:47	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:47	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	11/30/15 23:47	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	11/30/15 23:47	7440-22-4	
Sodium	**44.6**	mg/L	1.0	0.50	1	11/24/15 05:41	11/30/15 23:47	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	11/30/15 23:47	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	11/30/15 23:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:59	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 20:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 15:46	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 02:34	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:34	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 02:34	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 02:34	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-1 DUP **Lab ID: 35217332003** Collected: 11/18/15 09:42 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	74-83-9	J(M1)
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:34	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:34	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 02:34	74-87-3	J(M1)
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 02:34	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:34	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 02:34	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 02:34	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:34	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 02:34	74-88-4	J(M1)
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 02:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:34	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 02:34	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	127-18-4	J(M1)
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 02:34	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 02:34	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:34	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 02:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 02:34	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		11/30/15 02:34	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/30/15 02:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-1 DUP **Lab ID: 35217332003** Collected: 11/18/15 09:42 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**968**	mg/L	10.0	10.0	1		11/22/15 21:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**59.0**	mg/L	10.0	5.0	2		11/20/15 16:47	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.18**	mg/L	0.050	0.020	1		11/19/15 12:40	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.031 I**	mg/L	0.050	0.025	1		11/20/15 08:06		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-2 **Lab ID: 35217332004** Collected: 11/18/15 10:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.65**	Std. Units			1		11/18/15 10:15		
Field Temperature	**23.84**	deg C			1		11/18/15 10:15		
Appearance	**Color: yellow, Sheen: none**				1		11/18/15 10:15		
Field Specific Conductance	**1418**	umhos/cm			1		11/18/15 10:15		
Oxygen, Dissolved	**0.32**	mg/L			1		11/18/15 10:15	7782-44-7	
REDOX	**-148.7**	mV			1		11/18/15 10:15		
Turbidity	**2.03**	NTU			1		11/18/15 10:15		
Water Level(NGVD)	**29.30**	feet			1		11/18/15 10:15		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/30/15 21:50	12/01/15 13:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062 U**	ug/L	0.010	0.0062	1	11/30/15 21:50	12/01/15 13:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:03	7440-38-2	
Barium	**82.7**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:03	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:03	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:03	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:03	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:03	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:03	7440-50-8	
Iron	**22600**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:03	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:03	7439-92-1	
Nickel	**9.6**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:03	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:03	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:03	7440-22-4	
Sodium	**33.0**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:03	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:03	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:03	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:02	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:02	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 15:53	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 02:59	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:59	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 02:59	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 02:59	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-2 **Lab ID: 35217332004** Collected: 11/18/15 10:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:59	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:59	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 02:59	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 02:59	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:59	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 02:59	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 02:59	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:59	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 02:59	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 02:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 02:59	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 02:59	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 02:59	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 02:59	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 02:59	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 02:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 02:59	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/30/15 02:59	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/30/15 02:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B34-2 **Lab ID: 35217332004** Collected: 11/18/15 10:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**882**	mg/L	10.0	10.0	1		11/22/15 21:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**66.8**	mg/L	10.0	5.0	2		11/20/15 17:07	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.80**	mg/L	0.050	0.020	1		11/19/15 12:42	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 08:07		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: FA-1B **Lab ID: 35217332005** Collected: 11/18/15 11:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.99**	Std. Units			1		11/18/15 11:15		
Field Temperature	**22.26**	deg C			1		11/18/15 11:15		
Appearance	**Color: none, Sheen: none**				1		11/18/15 11:15		
Field Specific Conductance	**597**	umhos/cm			1		11/18/15 11:15		
Oxygen, Dissolved	**0.39**	mg/L			1		11/18/15 11:15	7782-44-7	
REDOX	**-126.9**	mV			1		11/18/15 11:15		
Turbidity	**1.11**	NTU			1		11/18/15 11:15		
Water Level(NGVD)	**20.10**	feet			1		11/18/15 11:15		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/30/15 21:50	12/01/15 13:37	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/30/15 21:50	12/01/15 13:37	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:07	7440-38-2	
Barium	**41.6**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:07	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:07	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:07	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:07	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:07	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:07	7440-50-8	
Iron	**428**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:07	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:07	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:07	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:07	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:07	7440-22-4	
Sodium	**10.7**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:07	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:07	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:07	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:05	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:05	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 15:55	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 03:24	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:24	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 03:24	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 03:24	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: FA-1B **Lab ID: 35217332005** Collected: 11/18/15 11:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:24	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:24	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 03:24	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 03:24	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:24	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 03:24	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 03:24	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:24	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 03:24	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 03:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:24	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 03:24	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 03:24	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 03:24	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:24	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 03:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		11/30/15 03:24	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		11/30/15 03:24	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/30/15 03:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: FA-1B **Lab ID: 35217332005** Collected: 11/18/15 11:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**352**	mg/L	5.0	5.0	1		11/22/15 21:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**16.0**	mg/L	5.0	2.5	1		11/20/15 17:26	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.0**	mg/L	0.050	0.020	1		11/19/15 12:43	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 08:09		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: F-MB **Lab ID: 35217332006** Collected: 11/18/15 12:52 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.74**	Std. Units			1		11/18/15 12:52		
Field Temperature	**23.47**	deg C			1		11/18/15 12:52		
Appearance	**Color: none, Sheen: none**				1		11/18/15 12:52		
Field Specific Conductance	**619**	umhos/cm			1		11/18/15 12:52		
Oxygen, Dissolved	**0.14**	mg/L			1		11/18/15 12:52	7782-44-7	
REDOX	**-52.2**	mV			1		11/18/15 12:52		
Turbidity	**12.66**	NTU			1		11/18/15 12:52		
Water Level(NGVD)	**19.42**	feet			1		11/18/15 12:52		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/01/15 16:30	12/02/15 14:05	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.011	0.0065	1	12/01/15 16:30	12/02/15 14:05	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:11	7440-38-2	
Barium	**18.4**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:11	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:11	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:11	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:11	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:11	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:11	7440-50-8	
Iron	**125**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:11	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:11	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:11	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:11	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:11	7440-22-4	
Sodium	**17.1**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:11	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:11	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:11	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:09	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:09	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 15:57	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 03:49	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:49	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 03:49	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 03:49	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: F-MB **Lab ID: 35217332006** Collected: 11/18/15 12:52 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:49	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:49	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 03:49	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 03:49	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:49	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 03:49	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 03:49	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:49	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 03:49	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 03:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 03:49	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 03:49	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 03:49	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 03:49	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 03:49	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 03:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 03:49	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		11/30/15 03:49	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/30/15 03:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: F-MB **Lab ID: 35217332006** Collected: 11/18/15 12:52 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**366**	mg/L	5.0	5.0	1		11/22/15 21:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**23.5**	mg/L	5.0	2.5	1		11/20/15 17:45	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.36**	mg/L	0.050	0.020	1		11/19/15 12:45	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 08:10		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B35-1 **Lab ID: 35217332007** Collected: 11/18/15 13:55 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.47**	Std. Units			1		11/18/15 13:55		
Field Temperature	**22.90**	deg C			1		11/18/15 13:55		
Appearance	**Color: yellow, Sheen: none**				1		11/18/15 13:55		
Field Specific Conductance	**350**	umhos/cm			1		11/18/15 13:55		
Oxygen, Dissolved	**0.15**	mg/L			1		11/18/15 13:55	7782-44-7	
REDOX	**-8.8**	mV			1		11/18/15 13:55		
Turbidity	**2.74**	NTU			1		11/18/15 13:55		
Water Level(NGVD)	**28.36**	feet			1		11/18/15 13:55		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	12/01/15 16:30	12/02/15 14:20	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	12/01/15 16:30	12/02/15 14:20	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:15	7440-38-2	
Barium	**89.9**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:15	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:15	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:15	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:15	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:15	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:15	7440-50-8	
Iron	**10200**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:15	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:15	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:15	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:15	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:15	7440-22-4	
Sodium	**28.4**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:15	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:15	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:15	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:12	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:12	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 15:59	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 04:14	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:14	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 04:14	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 04:14	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B35-1 **Lab ID: 35217332007** Collected: 11/18/15 13:55 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:14	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:14	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 04:14	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 04:14	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:14	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 04:14	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 04:14	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:14	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 04:14	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 04:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:14	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 04:14	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 04:14	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 04:14	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:14	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 04:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 04:14	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		11/30/15 04:14	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/30/15 04:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B35-1 **Lab ID: 35217332007** Collected: 11/18/15 13:55 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**244**	mg/L	5.0	5.0	1		11/22/15 21:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**64.9**	mg/L	5.0	2.5	1		11/20/15 18:05	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.15**	mg/L	0.050	0.020	1		11/19/15 12:47	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 08:14		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B35-2 **Lab ID: 35217332008** Collected: 11/18/15 14:26 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**4.97**	Std. Units			1		11/18/15 14:26		
Field Temperature	**23.57**	deg C			1		11/18/15 14:26		
Appearance	**Color: yellow, Sheen: none**				1		11/18/15 14:26		
Field Specific Conductance	**491**	umhos/cm			1		11/18/15 14:26		
Oxygen, Dissolved	**0.11**	mg/L			1		11/18/15 14:26	7782-44-7	
REDOX	**-13**	mV			1		11/18/15 14:26		
Turbidity	**1.74**	NTU			1		11/18/15 14:26		
Water Level(NGVD)	**28.52**	feet			1		11/18/15 14:26		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/01/15 16:30	12/02/15 14:35	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	12/01/15 16:30	12/02/15 14:35	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:19	7440-38-2	
Barium	**75.2**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:19	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:19	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:19	7440-43-9	
Chromium	**6.3**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:19	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:19	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:19	7440-50-8	
Iron	**9260**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:19	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:19	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:19	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:19	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:19	7440-22-4	
Sodium	**73.4**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:19	7440-23-5	
Vanadium	**8.9 I**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:19	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:19	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:31	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:31	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:23	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 04:39	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:39	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 04:39	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 04:39	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B35-2 **Lab ID: 35217332008** Collected: 11/18/15 14:26 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:39	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:39	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 04:39	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 04:39	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:39	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 04:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 04:39	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:39	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 04:39	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 04:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 04:39	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 04:39	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 04:39	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 04:39	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 04:39	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 04:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 04:39	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/30/15 04:39	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		11/30/15 04:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B35-2 **Lab ID: 35217332008** Collected: 11/18/15 14:26 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**305**	mg/L	5.0	5.0	1		11/22/15 21:56		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**110**	mg/L	10.0	5.0	2		11/23/15 04:42	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.3**	mg/L	0.050	0.020	1		11/19/15 12:48	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.053**	mg/L	0.050	0.025	1		11/19/15 14:23		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B63-1 **Lab ID: 35217332009** Collected: 11/18/15 15:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.42**	Std. Units			1		11/18/15 15:15		
Field Temperature	**23.90**	deg C			1		11/18/15 15:15		
Appearance	**Color: none, Sheen: none**				1		11/18/15 15:15		
Field Specific Conductance	**529**	umhos/cm			1		11/18/15 15:15		
Oxygen, Dissolved	**0.38**	mg/L			1		11/18/15 15:15	7782-44-7	
REDOX	**-71.6**	mV			1		11/18/15 15:15		
Turbidity	**5.65**	NTU			1		11/18/15 15:15		
Water Level(NGVD)	**28.13**	feet			1		11/18/15 15:15		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.021	0.0053	1	12/01/15 16:30	12/02/15 14:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067 U**	ug/L	0.011	0.0067	1	12/01/15 16:30	12/02/15 14:51	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:24	7440-38-2	
Barium	**42.7**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:24	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:24	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:24	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:24	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:24	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:24	7440-50-8	
Iron	**2490**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:24	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:24	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:24	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:24	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:24	7440-22-4	
Sodium	**53.8**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:24	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:24	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:34	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:34	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:27	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 05:04	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:04	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 05:04	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 05:04	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B63-1 **Lab ID: 35217332009** Collected: 11/18/15 15:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:04	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:04	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 05:04	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 05:04	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:04	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 05:04	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 05:04	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:04	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 05:04	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 05:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:04	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 05:04	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 05:04	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 05:04	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:04	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 05:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 05:04	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/30/15 05:04	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		11/30/15 05:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B63-1 **Lab ID: 35217332009** Collected: 11/18/15 15:15 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**311**	mg/L	5.0	5.0	1		11/22/15 21:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**35.9**	mg/L	5.0	2.5	1		11/20/15 15:56	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.13**	mg/L	0.050	0.020	1		11/19/15 12:55	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/19/15 14:24		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B63-2 **Lab ID: 35217332010** Collected: 11/18/15 15:41 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.33**	Std. Units			1		11/18/15 15:41		
Field Temperature	**24.21**	deg C			1		11/18/15 15:41		
Appearance	**Color: yellow, Sheen: none**				1		11/18/15 15:41		
Field Specific Conductance	**907**	umhos/cm			1		11/18/15 15:41		
Oxygen, Dissolved	**0.22**	mg/L			1		11/18/15 15:41	7782-44-7	
REDOX	**-101.0**	mV			1		11/18/15 15:41		
Turbidity	**5.64**	NTU			1		11/18/15 15:41		
Water Level(NGVD)	**28.27**	feet			1		11/18/15 15:41		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0056 U**	ug/L	0.023	0.0056	1	12/01/15 16:30	12/02/15 15:06	96-12-8	
1,2-Dibromoethane (EDB)	**0.0071 U**	ug/L	0.011	0.0071	1	12/01/15 16:30	12/02/15 15:06	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:28	7440-38-2	
Barium	**68.8**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:28	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:28	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:28	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:28	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:28	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:28	7440-50-8	
Iron	**18000**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:28	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:28	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:28	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:28	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:28	7440-22-4	
Sodium	**46.4**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:28	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:28	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:28	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:38	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:30	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 05:29	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:29	107-13-1	
Benzene	**0.35 I**	ug/L	1.0	0.10	1		11/30/15 05:29	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 05:29	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B63-2 **Lab ID: 35217332010** Collected: 11/18/15 15:41 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:29	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:29	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 05:29	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 05:29	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:29	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 05:29	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 05:29	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:29	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 05:29	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 05:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:29	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 05:29	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 05:29	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 05:29	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:29	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 05:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 05:29	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		11/30/15 05:29	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/30/15 05:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B63-2 **Lab ID: 35217332010** Collected: 11/18/15 15:41 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**503**	mg/L	5.0	5.0	1		11/22/15 21:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**47.9**	mg/L	5.0	2.5	1		11/20/15 16:19	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.59**	mg/L	0.050	0.020	1		11/19/15 12:57	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.053**	mg/L	0.050	0.025	1		11/19/15 14:25		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B38-1 **Lab ID: 35217332011** Collected: 11/18/15 16:41 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.15**	Std. Units			1		11/18/15 16:41		
Field Temperature	**23.09**	deg C			1		11/18/15 16:41		
Appearance	**Color: none, Sheen: none**				1		11/18/15 16:41		
Field Specific Conductance	**353**	umhos/cm			1		11/18/15 16:41		
Oxygen, Dissolved	**0.17**	mg/L			1		11/18/15 16:41	7782-44-7	
REDOX	**-18.2**	mV			1		11/18/15 16:41		
Turbidity	**1.73**	NTU			1		11/18/15 16:41		
Water Level(NGVD)	**24.77**	feet			1		11/18/15 16:41		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.021	0.0053	1	12/01/15 16:30	12/02/15 15:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067 U**	ug/L	0.011	0.0067	1	12/01/15 16:30	12/02/15 15:21	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:32	7440-38-2	
Barium	**97.8**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:32	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:32	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:32	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:32	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:32	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:32	7440-50-8	
Iron	**21900**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:32	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:32	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:32	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:32	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:32	7440-22-4	
Sodium	**28.8**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:32	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:32	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:41	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:41	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:32	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 05:54	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:54	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 05:54	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 05:54	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B38-1 **Lab ID: 35217332011** Collected: 11/18/15 16:41 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:54	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:54	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 05:54	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 05:54	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:54	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 05:54	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 05:54	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:54	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 05:54	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 05:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 05:54	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 05:54	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 05:54	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 05:54	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 05:54	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 05:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		11/30/15 05:54	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		11/30/15 05:54	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/30/15 05:54	2037-26-5	

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

ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B38-1 **Lab ID: 35217332011** Collected: 11/18/15 16:41 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**210**	mg/L	5.0	5.0	1		11/22/15 21:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**62.9**	mg/L	5.0	2.5	1		11/20/15 16:41	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.085**	mg/L	0.050	0.020	1		11/19/15 12:58	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.071**	mg/L	0.050	0.025	1		11/19/15 14:27		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B38-2 **Lab ID: 35217332012** Collected: 11/18/15 17:13 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.79**	Std. Units			1		11/18/15 17:13		
Field Temperature	**23.58**	deg C			1		11/18/15 17:13		
Appearance	**Color: yellow, Sheen: none**				1		11/18/15 17:13		
Field Specific Conductance	**624**	umhos/cm			1		11/18/15 17:13		
Oxygen, Dissolved	**0.11**	mg/L			1		11/18/15 17:13	7782-44-7	
REDOX	**-64.2**	mV			1		11/18/15 17:13		
Turbidity	**1.69**	NTU			1		11/18/15 17:13		
Water Level(NGVD)	**26.60**	feet			1		11/18/15 17:13		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	12/01/15 16:30	12/02/15 15:36	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	12/01/15 16:30	12/02/15 15:36	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:36	7440-38-2	
Barium	**36.1**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:36	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:36	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:36	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:36	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:36	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:36	7440-50-8	
Iron	**10200**	ug/L	40.0	20.0	1	11/24/15 05:41	12/01/15 00:36	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:36	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:36	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/24/15 05:41	12/01/15 00:36	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/24/15 05:41	12/01/15 00:36	7440-22-4	
Sodium	**41.3**	mg/L	1.0	0.50	1	11/24/15 05:41	12/01/15 00:36	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/24/15 05:41	12/01/15 00:36	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/24/15 05:41	12/01/15 00:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:44	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 05:41	11/24/15 21:44	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 06:20	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 06:20	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 06:20	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 06:20	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B38-2 **Lab ID: 35217332012** Collected: 11/18/15 17:13 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 06:20	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 06:20	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 06:20	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 06:20	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 06:20	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 06:20	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 06:20	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 06:20	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 06:20	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 06:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 06:20	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 06:20	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 06:20	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 06:20	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 06:20	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 06:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		11/30/15 06:20	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		11/30/15 06:20	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/30/15 06:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: B38-2 **Lab ID: 35217332012** Collected: 11/18/15 17:13 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**410**	mg/L	5.0	5.0	1		11/22/15 21:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**43.8**	mg/L	5.0	2.5	1		11/20/15 17:03	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**2.3**	mg/L	0.050	0.020	1		11/19/15 13:00	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.042 I**	mg/L	0.050	0.025	1		11/19/15 14:28		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: TRIP BLANK 11/18/15 **Lab ID: 35217332013** Collected: 11/18/15 00:00 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/30/15 01:20	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:20	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/30/15 01:20	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/30/15 01:20	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:20	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:20	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/30/15 01:20	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 01:20	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/30/15 01:20	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:20	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 01:20	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/30/15 01:20	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:20	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/30/15 01:20	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/30/15 01:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/30/15 01:20	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/30/15 01:20	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/30/15 01:20	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/30/15 01:20	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/30/15 01:20	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Sample: TRIP BLANK 11/18/15 **Lab ID: 35217332013** Collected: 11/18/15 00:00 Received: 11/18/15 17:55 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/30/15 01:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/30/15 01:20	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		11/30/15 01:20	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/30/15 01:20	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: MERP/6392 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007

METHOD BLANK: 1403772 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.13 I	0.20	0.10	11/30/15 15:08	V

LABORATORY CONTROL SAMPLE: 1403773

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: 1403931 1403932

Parameter	Units	35217218002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.8	1.9	90	92	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: MERP/6393 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1403776 Matrix: Water
Associated Lab Samples: 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/30/15 20:08	

LABORATORY CONTROL SAMPLE: 1403777

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: 1403778 1403779

Parameter	Units	35217114008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	2.2	2.1	108	106	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: MPRP/27518 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1401980 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Barium	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Beryllium	ug/L	0.50 U	1.0	0.50	11/30/15 22:37	
Cadmium	ug/L	0.50 U	1.0	0.50	11/30/15 22:37	
Chromium	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Cobalt	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Copper	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Iron	ug/L	20.0 U	40.0	20.0	11/30/15 22:37	
Lead	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Nickel	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Selenium	ug/L	7.5 U	15.0	7.5	11/30/15 22:37	
Silver	ug/L	2.5 U	5.0	2.5	11/30/15 22:37	
Sodium	mg/L	0.50 U	1.0	0.50	11/30/15 22:37	
Vanadium	ug/L	5.0 U	10.0	5.0	11/30/15 22:37	
Zinc	ug/L	10.0 U	20.0	10.0	11/30/15 22:37	

LABORATORY CONTROL SAMPLE: 1401981

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	240	96	80-120	
Barium	ug/L	250	262	105	80-120	
Beryllium	ug/L	25	25.2	101	80-120	
Cadmium	ug/L	25	25.1	101	80-120	
Chromium	ug/L	250	248	99	80-120	
Cobalt	ug/L	250	256	102	80-120	
Copper	ug/L	250	245	98	80-120	
Iron	ug/L	2500	2700	108	80-120	
Lead	ug/L	250	255	102	80-120	
Nickel	ug/L	250	250	100	80-120	
Selenium	ug/L	250	248	99	80-120	
Silver	ug/L	25	25.5	102	80-120	
Sodium	mg/L	12.5	13.6	109	80-120	
Vanadium	ug/L	250	247	99	80-120	
Zinc	ug/L	1250	1240	99	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401982 1401983

Parameter	Units	35217099013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	234	242	94	97	75-125	3	20	
Barium	ug/L	60.1	250	250	315	314	102	102	75-125	0	20	
Beryllium	ug/L	0.50 U	25	25	25.7	25.8	101	101	75-125	0	20	
Cadmium	ug/L	0.50 U	25	25	24.0	24.9	96	100	75-125	4	20	
Chromium	ug/L	3.4 I	250	250	251	254	99	100	75-125	1	20	
Cobalt	ug/L	5.0 U	250	250	247	257	99	102	75-125	4	20	
Copper	ug/L	2.5 U	250	250	250	252	100	101	75-125	0	20	
Iron	ug/L	2990	2500	2500	5530	5480	102	100	75-125	1	20	
Lead	ug/L	5.0 U	250	250	245	253	98	101	75-125	3	20	
Nickel	ug/L	2.5 U	250	250	242	252	96	101	75-125	4	20	
Selenium	ug/L	7.5 U	250	250	225	234	89	93	75-125	4	20	
Silver	ug/L	2.5 U	25	25	25.3	25.8	101	103	75-125	2	20	
Sodium	mg/L	11.1	12.5	12.5	24.2	24.4	105	106	75-125	1	20	
Vanadium	ug/L	13.8	250	250	264	266	100	101	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1190	1240	95	99	75-125	4	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: MPRP/27519 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1401984 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/24/15 19:55	J(IS)
Thallium	ug/L	0.50 U	1.0	0.50	11/24/15 19:55	

LABORATORY CONTROL SAMPLE: 1401985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.1	98	80-120	J(IS)
Thallium	ug/L	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401986 1401987

Parameter	Units	35217218001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50 U	50	50	48.7	48.9	97	98	75-125	0	20	J(IS)
Thallium	ug/L	0.50 U	50	50	51.0	50.9	102	102	75-125	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: MSV/16801 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012, 35217332013

METHOD BLANK: 1405147 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012, 35217332013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/29/15 23:40	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/29/15 23:40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	11/29/15 23:40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/29/15 23:40	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/29/15 23:40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/29/15 23:40	
Acetone	ug/L	10.0 U	20.0	10.0	11/29/15 23:40	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/29/15 23:40	
Benzene	ug/L	0.10 U	1.0	0.10	11/29/15 23:40	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/29/15 23:40	
Bromoform	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/29/15 23:40	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Chloroform	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/29/15 23:40	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/29/15 23:40	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/29/15 23:40	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/29/15 23:40	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/29/15 23:40	
Styrene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Toluene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

METHOD BLANK: 1405147 Matrix: Water

Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012, 35217332013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/29/15 23:40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/29/15 23:40	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/29/15 23:40	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/29/15 23:40	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/29/15 23:40	
1,2-Dichloroethane-d4 (S)	%	101	86-125		11/29/15 23:40	
4-Bromofluorobenzene (S)	%	98	70-114		11/29/15 23:40	
Toluene-d8 (S)	%	100	87-113		11/29/15 23:40	

LABORATORY CONTROL SAMPLE: 1405148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.0	90	70-130	
1,1,1-Trichloroethane	ug/L	20	19.0	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.9	95	70-130	
1,1,2-Trichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethane	ug/L	20	18.7	94	70-130	
1,1-Dichloroethene	ug/L	20	18.3	92	70-130	
1,2,3-Trichloropropane	ug/L	20	22.6	113	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.1	90	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	18.1	91	70-130	
1,2-Dichlorobenzene	ug/L	20	19.5	98	70-130	
1,2-Dichloroethane	ug/L	20	18.6	93	70-130	
1,2-Dichloropropane	ug/L	20	18.9	94	70-130	
1,4-Dichlorobenzene	ug/L	20	19.5	98	70-130	
2-Butanone (MEK)	ug/L	40	31.6	79	55-167	
2-Hexanone	ug/L	40	39.2	98	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	38.9	97	70-130	
Acetone	ug/L	40	34.3	86	40-150	
Acrylonitrile	ug/L	200	195	97	70-130	
Benzene	ug/L	20	19.3	97	70-130	
Bromochloromethane	ug/L	20	19.6	98	70-130	
Bromodichloromethane	ug/L	20	19.1	96	70-130	
Bromoform	ug/L	20	18.6	93	68-130	
Bromomethane	ug/L	20	11.5	57	38-179	
Carbon disulfide	ug/L	20	17.8	89	51-155	
Carbon tetrachloride	ug/L	20	18.4	92	70-130	
Chlorobenzene	ug/L	20	18.9	94	70-130	
Chloroethane	ug/L	20	19.0	95	59-149	
Chloroform	ug/L	20	18.9	95	70-130	
Chloromethane	ug/L	20	14.7	73	68-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

LABORATORY CONTROL SAMPLE: 1405148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	19.1	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.1	95	70-130	
Dibromochloromethane	ug/L	20	18.8	94	70-130	
Dibromomethane	ug/L	20	18.8	94	70-130	
Ethylbenzene	ug/L	20	19.2	96	70-130	
Iodomethane	ug/L	40	28.3	71	43-160	
Methylene Chloride	ug/L	20	18.5	92	70-130	
Styrene	ug/L	20	19.5	97	70-130	
Tetrachloroethene	ug/L	20	22.0	110	66-133	
Toluene	ug/L	20	19.3	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.9	95	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.5	87	65-130	
Trichloroethene	ug/L	20	19.1	96	70-130	
Trichlorofluoromethane	ug/L	20	17.4	87	70-131	
Vinyl acetate	ug/L	20	20.7	103	69-135	
Vinyl chloride	ug/L	20	16.9	84	69-140	
Xylene (Total)	ug/L	60	57.9	96	70-130	
1,2-Dichloroethane-d4 (S)	%			98	86-125	
4-Bromofluorobenzene (S)	%			99	70-114	
Toluene-d8 (S)	%			100	87-113	

MATRIX SPIKE SAMPLE: 1405687

Parameter	Units	35217332003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	15.4	77	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	18.2	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	16.3	81	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	16.7	83	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	18.7	93	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	15.9	80	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	15.6	78	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	16.3	81	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	16.7	84	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	17.2	86	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	17.3	87	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	16.8	84	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	28.4	71	70-130	
2-Hexanone	ug/L	5.0 U	40	32.1	80	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	31.8	79	70-130	
Acetone	ug/L	10.0 U	40	29.9	75	70-130	
Acrylonitrile	ug/L	5.0 U	200	171	85	70-130	
Benzene	ug/L	0.10 U	20	18.4	92	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.7	99	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

MATRIX SPIKE SAMPLE: 1405687

Parameter	Units	35217332003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	0.27 U	20	17.5	88	70-130	
Bromoform	ug/L	0.50 U	20	15.6	78	70-130	
Bromomethane	ug/L	0.50 U	20	11.5	58	70-130	J(M1)
Carbon disulfide	ug/L	5.0 U	20	17.2	84	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	17.8	89	70-130	
Chlorobenzene	ug/L	0.50 U	20	17.2	86	70-130	
Chloroethane	ug/L	0.50 U	20	20.8	104	70-130	
Chloroform	ug/L	0.50 U	20	17.6	88	70-130	
Chloromethane	ug/L	0.62 U	20	7.6	38	70-130	J(M1)
cis-1,2-Dichloroethene	ug/L	0.50 U	20	18.0	90	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	16.5	83	70-130	
Dibromochloromethane	ug/L	0.26 U	20	16.7	83	70-130	
Dibromomethane	ug/L	0.50 U	20	16.7	83	70-130	
Ethylbenzene	ug/L	0.50 U	20	17.1	86	70-130	
Iodomethane	ug/L	0.50 U	40	26.1	65	70-130	J(M1)
Methylene Chloride	ug/L	2.5 U	20	17.7	89	70-130	
Styrene	ug/L	0.50 U	20	16.3	81	70-130	
Tetrachloroethene	ug/L	0.50 U	20	11.8	59	70-130	J(M1)
Toluene	ug/L	0.50 U	20	16.9	84	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	18.9	94	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	15.5	77	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	15.7	78	70-130	
Trichloroethene	ug/L	0.50 U	20	17.9	90	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	18.6	93	70-130	
Vinyl acetate	ug/L	1.0 U	20	17.2	86	70-130	
Vinyl chloride	ug/L	0.50 U	20	15.3	77	70-130	
Xylene (Total)	ug/L	0.50 U	60	50.9	85	70-130	
1,2-Dichloroethane-d4 (S)	%				98	86-125	
4-Bromofluorobenzene (S)	%				97	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 1405686

Parameter	Units	35217332002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

SAMPLE DUPLICATE: 1405686

Parameter	Units	35217332002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	101	100	1	40	
4-Bromofluorobenzene (S)	%	100	98	2	40	
Toluene-d8 (S)	%	101	99	2	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: OEXT/25494 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005

METHOD BLANK: 1405345 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	12/01/15 07:17	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	12/01/15 07:17	

LABORATORY CONTROL SAMPLE: 1405346

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.23	91	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	93	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405607 1405608

Parameter	Units	35217218001 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	0.0049 U	.44	.44	0.45	0.45	103	104	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.43	0.44	98	101	60-140	3	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: OEXT/25513 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1405913 Matrix: Water
Associated Lab Samples: 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	12/02/15 13:35	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	12/02/15 13:35	

LABORATORY CONTROL SAMPLE: 1405914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.22	88	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.22	90	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405915 1405916

Parameter	Units	35217637002 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	0.0052 U	.44	.44	0.45	0.44	103	100	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0066 U	.44	.44	0.45	0.41	103	94	60-140	9	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: WET/34292 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1401027 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/22/15 21:52	

LABORATORY CONTROL SAMPLE: 1401028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	303	101	90-110	

SAMPLE DUPLICATE: 1401029

Parameter	Units	35217329001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	149	158	6	5	J(D6)

SAMPLE DUPLICATE: 1401030

Parameter	Units	35217332008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	305	311	2	5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: WETA/52326 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1399127 Matrix: Water
Associated Lab Samples: 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/20/15 11:35	

LABORATORY CONTROL SAMPLE: 1399128

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1399129 1399130

Parameter	Units	35217324003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.7 I	50	50	50.9	51.0	93	93	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1399131 1399132

Parameter	Units	35217346001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	85.7	50	50	141	141	110	111	90-110	0	20	J(M1), L

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: WETA/52343 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007

METHOD BLANK: 1399521 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/20/15 13:53	

LABORATORY CONTROL SAMPLE: 1399522

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: 1399523 1399524

Parameter	Units	35217329001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	57.7	50	50	107	107	98	98	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1399525 1399526

Parameter	Units	35217581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	125	50	50	173	173	96	95	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: WETA/52283 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1397466 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/19/15 12:53	

LABORATORY CONTROL SAMPLE: 1397467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	109	90-110	

MATRIX SPIKE SAMPLE: 1397469

Parameter	Units	35217291004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.51	1	1.6	108	90-110	

SAMPLE DUPLICATE: 1397468

Parameter	Units	35217291004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.51	0.51	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

QC Batch: WETA/52304 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

METHOD BLANK: 1397911 Matrix: Water
Associated Lab Samples: 35217332001, 35217332002, 35217332003, 35217332004, 35217332005, 35217332006, 35217332007, 35217332008, 35217332009, 35217332010, 35217332011, 35217332012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/20/15 07:47	

SAMPLE DUPLICATE: 1397913

Parameter	Units	35217327004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.034 I	0.034 I		20	

SAMPLE DUPLICATE: 1397915

Parameter	Units	35217332006 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(IS)	Estimated Value. The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.
V	Indicates that the analyte was detected in both the sample and the associated method blank.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi Annual MW
Pace Project No.: 35217332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217332002	**B34-1**		FLD/		
35217332003	**B34-1 DUP**		FLD/		
35217332004	**B34-2**		FLD/		
35217332005	**FA-1B**		FLD/		
35217332006	**F-MB**		FLD/		
35217332007	**B35-1**		FLD/		
35217332008	**B35-2**		FLD/		
35217332009	**B63-1**		FLD/		
35217332010	**B63-2**		FLD/		
35217332011	**B38-1**		FLD/		
35217332012	**B38-2**		FLD/		
35217332001	**EQ Blank 11/18/15**	EPA 8011	OEXT/25494	EPA 8011	GCSV/16589
35217332002	**B34-1**	EPA 8011	OEXT/25494	EPA 8011	GCSV/16589
35217332003	**B34-1 DUP**	EPA 8011	OEXT/25494	EPA 8011	GCSV/16589
35217332004	**B34-2**	EPA 8011	OEXT/25494	EPA 8011	GCSV/16589
35217332005	**FA-1B**	EPA 8011	OEXT/25494	EPA 8011	GCSV/16589
35217332006	**F-MB**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217332007	**B35-1**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217332008	**B35-2**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217332009	**B63-1**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217332010	**B63-2**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217332011	**B38-1**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217332012	**B38-2**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217332001	**EQ Blank 11/18/15**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332002	**B34-1**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332003	**B34-1 DUP**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332004	**B34-2**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332005	**FA-1B**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332006	**F-MB**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332007	**B35-1**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332008	**B35-2**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332009	**B63-1**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332010	**B63-2**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332011	**B38-1**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332012	**B38-2**	EPA 3010	MPRP/27518	EPA 6010	ICP/16568
35217332001	**EQ Blank 11/18/15**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332002	**B34-1**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332003	**B34-1 DUP**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332004	**B34-2**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332005	**FA-1B**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332006	**F-MB**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332007	**B35-1**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332008	**B35-2**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332009	**B63-1**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332010	**B63-2**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332011	**B38-1**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212
35217332012	**B38-2**	EPA 3010	MPRP/27519	EPA 6020	ICPM/11212

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
Pace Project No.: 35217332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217332001	**EQ Blank 11/18/15**	EPA 7470	MERP/6392	EPA 7470	MERC/6374
35217332002	**B34-1**	EPA 7470	MERP/6392	EPA 7470	MERC/6374
35217332003	**B34-1 DUP**	EPA 7470	MERP/6392	EPA 7470	MERC/6374
35217332004	**B34-2**	EPA 7470	MERP/6392	EPA 7470	MERC/6374
35217332005	**FA-1B**	EPA 7470	MERP/6392	EPA 7470	MERC/6374
35217332006	**F-MB**	EPA 7470	MERP/6392	EPA 7470	MERC/6374
35217332007	**B35-1**	EPA 7470	MERP/6392	EPA 7470	MERC/6374
35217332008	**B35-2**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217332009	**B63-1**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217332010	**B63-2**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217332011	**B38-1**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217332012	**B38-2**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217332001	**EQ Blank 11/18/15**	EPA 8260	MSV/16801		
35217332002	**B34-1**	EPA 8260	MSV/16801		
35217332003	**B34-1 DUP**	EPA 8260	MSV/16801		
35217332004	**B34-2**	EPA 8260	MSV/16801		
35217332005	**FA-1B**	EPA 8260	MSV/16801		
35217332006	**F-MB**	EPA 8260	MSV/16801		
35217332007	**B35-1**	EPA 8260	MSV/16801		
35217332008	**B35-2**	EPA 8260	MSV/16801		
35217332009	**B63-1**	EPA 8260	MSV/16801		
35217332010	**B63-2**	EPA 8260	MSV/16801		
35217332011	**B38-1**	EPA 8260	MSV/16801		
35217332012	**B38-2**	EPA 8260	MSV/16801		
35217332013	**TRIP BLANK 11/18/15**	EPA 8260	MSV/16801		
35217332001	**EQ Blank 11/18/15**	SM 2540C	WET/34292		
35217332002	**B34-1**	SM 2540C	WET/34292		
35217332003	**B34-1 DUP**	SM 2540C	WET/34292		
35217332004	**B34-2**	SM 2540C	WET/34292		
35217332005	**FA-1B**	SM 2540C	WET/34292		
35217332006	**F-MB**	SM 2540C	WET/34292		
35217332007	**B35-1**	SM 2540C	WET/34292		
35217332008	**B35-2**	SM 2540C	WET/34292		
35217332009	**B63-1**	SM 2540C	WET/34292		
35217332010	**B63-2**	SM 2540C	WET/34292		
35217332011	**B38-1**	SM 2540C	WET/34292		
35217332012	**B38-2**	SM 2540C	WET/34292		
35217332001	**EQ Blank 11/18/15**	EPA 300.0	WETA/52343		
35217332002	**B34-1**	EPA 300.0	WETA/52343		
35217332003	**B34-1 DUP**	EPA 300.0	WETA/52343		
35217332004	**B34-2**	EPA 300.0	WETA/52343		
35217332005	**FA-1B**	EPA 300.0	WETA/52343		
35217332006	**F-MB**	EPA 300.0	WETA/52343		
35217332007	**B35-1**	EPA 300.0	WETA/52343		
35217332008	**B35-2**	EPA 300.0	WETA/52326		
35217332009	**B63-1**	EPA 300.0	WETA/52326		

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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
Pace Project No.: 35217332

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217332010	**B63-2**	EPA 300.0	WETA/52326		
35217332011	**B38-1**	EPA 300.0	WETA/52326		
35217332012	**B38-2**	EPA 300.0	WETA/52326		
35217332001	**EQ Blank 11/18/15**	EPA 350.1	WETA/52283		
35217332002	**B34-1**	EPA 350.1	WETA/52283		
35217332003	**B34-1 DUP**	EPA 350.1	WETA/52283		
35217332004	**B34-2**	EPA 350.1	WETA/52283		
35217332005	**FA-1B**	EPA 350.1	WETA/52283		
35217332006	**F-MB**	EPA 350.1	WETA/52283		
35217332007	**B35-1**	EPA 350.1	WETA/52283		
35217332008	**B35-2**	EPA 350.1	WETA/52283		
35217332009	**B63-1**	EPA 350.1	WETA/52283		
35217332010	**B63-2**	EPA 350.1	WETA/52283		
35217332011	**B38-1**	EPA 350.1	WETA/52283		
35217332012	**B38-2**	EPA 350.1	WETA/52283		
35217332001	**EQ Blank 11/18/15**	EPA 353.2	WETA/52304		
35217332002	**B34-1**	EPA 353.2	WETA/52304		
35217332003	**B34-1 DUP**	EPA 353.2	WETA/52304		
35217332004	**B34-2**	EPA 353.2	WETA/52304		
35217332005	**FA-1B**	EPA 353.2	WETA/52304		
35217332006	**F-MB**	EPA 353.2	WETA/52304		
35217332007	**B35-1**	EPA 353.2	WETA/52304		
35217332008	**B35-2**	EPA 353.2	WETA/52304		
35217332009	**B63-1**	EPA 353.2	WETA/52304		
35217332010	**B63-2**	EPA 353.2	WETA/52304		
35217332011	**B38-1**	EPA 353.2	WETA/52304		
35217332012	**B38-2**	EPA 353.2	WETA/52304		

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WO# : 35217332

35217332

Y / Analytical Request Document

CUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1871860

Section A
Required Client Information:

Company: Volusia County Solid Waste	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Tomoka LF Semi Annual MW	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: TDS, Cl, Metals, Boron, Ammonia	EDB 8011	8260 VOC's	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ					11-18-15	0830		2									Y	Y	Y	Y	Y	
2	B 34-1						0942															
3	Duplicate						0942															
4	B 34-2						1015															
5	FA-1B						1151															
6	F-MB						1252															
7	B 35-1						1355															
8	B 35-2						1426															
9	B 63-1						1515															
10	B 63-2						1541															
11	B 38-1						1641															
12	B 38-2						1713															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Trip Blank	[signature] / PACE	11-18-15	1755	Daniel R Cirino F212	11/18/15	1755	0.1	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID IRBY

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11-18-15

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: 0	SAMPLE ID: FO	DATE: 11-18-15

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: JAM ICE/PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT: 0830
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: (N)	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1000	ICE			TDS, NO3, Cl	APP	200
	1	1	250	HNO3		<2	6010, 6020, Hg	|	|
	1		250	H2SO4		<2	Ammonia		
	2	CG	40	ICE			EDB 504.1		
	3	1	40	HCl		<2	8260 VOC's		

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: 1 | SAMPLE ID: B 34-1 / Duplicate | DATE: 11-18-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.24	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (34.05 feet – 3.24 feet) X 0.16 gallons/foot = 4.9296 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: 0855	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0920	5.00	5.00	0.20	4.23	6.33	23.13	1443	0.34	1.22	Yellow	SULFAR
0927	1.40	6.40	0.20	4.29	6.34	23.17	1443	0.19	0.86	1	1
0934	1.40	7.80	0.20	4.35	6.34	23.13	1442	0.14	1.24	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: 0934	SAMPLING ENDED AT: 0942
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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		<2	6010, 6020, Hg		
	1		1	H_2SO_4		<2	AMMONIA		
	2	CG	40	ICE			EDB 8011		
	3	1	1	HCL		<2	8260 VOCs		

REMARKS:
ORP -108.8 ORP -109.6 ORP -116.4

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 MW's	
WELL NO: 2	SAMPLE ID: B34-2	DATE: 11-18-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 2.08	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)
= (12.85 feet – 2.08 feet) X 0.16 gallons/foot = 2.5232 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): 5	PURGING INITIATED AT: 0950	PURGING ENDED AT: 1011	TOTAL VOLUME PURGED (gallons): 4.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1003	2.60	2.60	0.20	4.20	6.64	23.84	1388	1.22	5.67	Yellow	SULFER
1007	6.80	3.40	0.20	4.85	6.65	23.83	1395	1.02	2.02	1	1
1011	8.80	4.20	0.20	4.89	6.65	23.84	1418	0.32	2.03	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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1011	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet): 5	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (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		<2	6010, 6020, Hg	1	1
	1	1	1	H2SO4		<2	Ammonia		
	2	CG	40	ICE			EDB 504.1		
	3	1	1	HCl		<2	8260 VOC's		

REMARKS:
ORP -135.0 ORP -142.3 ORP -148.7

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's	
WELL NO: 3	SAMPLE ID: FA-1B	DATE: 11-18-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 12.62	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)
= (98.10 feet – 12.62 feet) X 0.16 gallons/foot = 13.6768 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1130	PURGING ENDED AT: 1147	TOTAL VOLUME PURGED (gallons): 2.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1141	13.75	13.75	1.25	14.5	6.98	22.21	597	1.33	3.66	CLEAR	NONE
1144	3.75	17.50	1.25	14.5	6.98	22.25	592	0.72	2.23	/	/
1147	3.75	21.25	1.25	14.5	6.99	22.26	592	0.38	1.11	/	/

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: 1142	SAMPLING ENDED AT: 1151
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1000	ICE		6.98	TDS, NO3, Cl	APP	400
	1	/	250	H2SO3		<2	COD, TOC, Hg	/	/
	1		1	H2SO4		<2	AMMONIA		
	2	CG	40	ICE		6.99	EDB 8011		
	3	CG	1	HCl		<2	8260 VOCs		

REMARKS:
ORP -104.5 ORP -119.1 ORP -126.9

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 Semi Annual MWs
WELL NO:	4	SAMPLE ID:	F-MB
DATE:	11-18-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 14.94	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)
= (29.33 feet – 14.94 feet) X 0.16 gallons/foot = 13.5024 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):	18	PURGING INITIATED AT:	1220	PURGING ENDED AT:	1248	TOTAL VOLUME PURGED (gallons):	17.60

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)
1232	14.4	14.4	1.20	17.36	6.76	23.52	6.22	0.28	71.64	CLEAR	SULFER
1236	0.80	15.20	1.20	17.36	6.74	23.48	6.21	0.18	35.02		
1240	0.80	16.00	1.20	17.36	6.74	23.48	6.19	0.16	19.45		
1244	0.80	16.80	1.20	17.36	6.74	23.47	6.19	0.15	15.86		
1248	0.80	17.60	1.20	17.36	6.74	23.47	6.19	0.14	12.66		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1248	SAMPLING ENDED AT:	1252
PUMP OR TUBING DEPTH IN WELL (feet):	18	TUBING MATERIAL CODE:	PE, 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		6.74	TDS, NO3, Cl	APP	400
	1	1	250	HNO3		<2	6010, 6020, Hg		
	1	1	1	H2SO4		<2	Ammonia		
	2	CG	40	ICE		6.74	EDB 8011		
	3	1	1	HCl		<2	8260 VOCs		

REMARKS:
ORP -49.8 ORP -49.1 ORP -50.5 ORP -51.3 ORP -52.2

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)
SAMPLING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Stem. Area	
WELL NO: 5	SAMPLE ID: B 35-1	DATE: 11-18-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 0.99	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)

1 = (33.80 feet – 0.99 feet) X 0.16 gallons/foot = 5.2496 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: 1310	PURGING ENDED AT: 1351	TOTAL VOLUME PURGED (gallons): 8.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1337	5.40	5.40	0.20	2.85	5.42	22.97	334	0.21	4.14	Yellow	Sulfur
1344	1.40	6.80	0.20	2.86	5.49	22.98	348	0.17	4.68	"	"
1351	1.40	8.20	0.20	2.88	5.47	22.90	350	0.15	2.74	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1350	SAMPLING ENDED AT: 1355
PUMP OR TUBING DEPTH IN WELL (feet): 3	TUBING MATERIAL CODE: PE, 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		5.47	TDS, NO3, Cl	APP	<400
	1	"	250	HNO_3		<2	6010, 6020, Hg	"	"
	1	"	1	H_2SO_4		<2	Ammonia	"	"
	2	CG	40	ICE		5.47	EDB 8011	"	"
	3	"	1	HCl		<2	8260 VOCs	"	"

REMARKS:
ORP 8.9 ORP -0.6 ORP -8.8

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)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual mw's
WELL NO:	6	SAMPLE ID:	B-35-2
DATE:	11-18-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 0.90	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)
= (12.55 feet − 0.90 feet) X 0.16 gallons/foot = 2.664 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:	1400	PURGING ENDED AT:	1422	TOTAL VOLUME PURGED (gallons):	4.40

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)
1414	2.80	2.80	0.20	2.59	5.00	23.56	485	0.14	1.58	Yellow	Sulfur
1418	0.80	3.60	0.20	2.62	4.98	23.57	487	0.12	1.42	"	"
1422	0.80	4.40	0.20	2.64	4.97	23.57	491	0.11	1.24	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	DAVID ICE/PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1422	SAMPLING ENDED AT:	1426
PUMP OR TUBING DEPTH IN WELL (feet):	3	TUBING MATERIAL CODE:	PE, 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		4.97	TDS, NO3, Cl	APP	<400
	1	"	250	HNO_3		<2	6010, 6020, Hg	"	"
	1	"	1	H_2SO_4		<2	Ammonia	"	"
	2	CG	40	ICE		4.97	EDB 8011	"	"
	3	"	1	HCl		<2	8260 VOC's	"	"

REMARKS:
ORP 6.1 ORP -4.0 ORP -13.

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: 7	SAMPLE ID: B63-1	DATE: 11-18-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 1.97	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)
= (30.30 feet – 1.97 feet) X 0.16 gallons/foot = 4.5328 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): 4	PURGING INITIATED AT: 1436	PURGING ENDED AT: 1511	TOTAL VOLUME PURGED (gallons): 7.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1458	4.60	4.66	0.20	3.03	6.38 DX	~~27.78~~ 23.86 AX	533	1.26	2.12	CLEAR	SULFER
1505	1.20	5.80	0.20	3.03	6.37	23.84	534	1.24	2.85	1	1
1511	1.20	7.00	0.20	3.03	6.42	23.90	528	0.38	5.66	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: 1511	SAMPLING ENDED AT: 1515
PUMP OR TUBING DEPTH IN WELL (feet): 4	TUBING MATERIAL CODE: PE, 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		6.42	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		<2	Cond, COD, Mg	1	1
	1	1	1	H2SO4		<2	Ammonia		
	2	CG	40	ICE		6.42	EDB 8011		
	3	1	1	HCL		<2	8260 VOCs		

REMARKS: -61.8
ORP ~~-28.3~~ OK ORP -67.8 ORP -71.6

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 MW's
WELL NO:	8	SAMPLE ID:	B63-2
		DATE:	11-18-15

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	2.20	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.20 feet – 2.20 feet) X 0.16 gallons/foot = 1.92 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:	1520	PURGING ENDED AT:	1537	TOTAL VOLUME PURGED (gallons):	3.40

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)
1531	2.20	2.20	0.20	3.41	6.38	24.32	908	0.85	6.49	Yellow	SULFUR
1534	0.60	2.80	0.20	3.53	6.33	24.20	907	0.36	6.18	1	1
1537	0.60	3.40	0.20	3.56	6.33	24.21	907	0.22	5.64	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:	DAWN ICE / PBCR	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1537	SAMPLING ENDED AT:	1541
PUMP OR TUBING DEPTH IN WELL (feet):	4	TUBING MATERIAL CODE:	PE, 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		6.33	TDS, NO3, C	APP	400
	1	|	250	HNO3		<2	6010, 6020, Hg	|	|
	1	|	1	HgCl2		<2	AMMONIA	|	|
	2	CG	40	ICE		6.33	RSK 8011	|	|
	3	CG	1	HCl		<2	8260 VOCS	|	|

REMARKS:
ORP -86.1 ORP -95.8 ORP -104.0

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)

OTES: 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 GW's	
WELL NO: 9	SAMPLE ID: B-38-1	DATE: 11-18-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): ~~4.67~~ 3.73	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (39.30 feet – ~~4.67~~ 3.73 feet) X 0.16 gallons/foot = ~~5.5408~~ 6.912 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: 1555	PURGING ENDED AT: 1637	TOTAL VOLUME PURGED (gallons): 8.40

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)
1623	5.60	5.60	0.20	4.35	5.10	23.32	3.40	0.26	3.42	CLEAR	SULFER
1630	1.40	7.00	0.20	4.40	5.14	23.12	351	0.18	1.97	"	"
1637	1.40	8.40	0.20	4.41	5.15	23.09	353	0.17	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 ICK / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1637	SAMPLING ENDED AT: 1641
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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		5.15	TDS, NO3, Cl	APP	400
	1	"	250	HNO3		<2	Gold, 6020, Hg	"	"
	1	"	1	H2SO4		<2	Ammonia	"	"
	2	CG	40	ICE		5.15	EDB 8011	"	"
	3	"	1	HCl		<2	8260 VOC's	"	"

REMARKS:
ORP -4.3 ORP -15.3 ORP -18.2

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200.2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: 10	SAMPLE ID: B 38-2	DATE: 11-18-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 1.70	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)
= (17.35 feet – 1.70 feet) X 0.16 gallons/foot = 2.504 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): 4	PURGING INITIATED AT: 1648	PURGING ENDED AT: 1709	TOTAL VOLUME PURGED (gallons): 4.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1701	2.60	2.60	0.20	3.47	5.79	23.58	628	0.16	2.29	Yellow	SULFER
1705	0.80	3.40	0.20	3.65	5.79	2358	626	0.13	2.80	1	1
1709	0.80	4.20	0.20	3.73	5.79	2358	624	0.11	1.69	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 ICH / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1709	SAMPLING ENDED AT: 1713
PUMP OR TUBING DEPTH IN WELL (feet): 4	TUBING MATERIAL CODE: PE, 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		5.79	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		<2	6010, 6020 Mc	1	1
	1	1	1	H2SO4		<2	Ammonia	1	1
	2	CG	40	ICE		5.79	EDB 8011	1	1
	3	1	1	HCl		<2	8260 VOCs	1	1

REMARKS:
ORP -58.5 ORP -61.1 ORP -64.2

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia County Project # 35217332

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

Tracking # _____

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

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

Thermometer Used T-212 **Type of Ice:** (Wet) Blue None

Cooler Temperature °C 0.1 (Visual) +0.0 (Correction Factor) 0.1 (Actual)

Date and Initials of person examining contents: 11/18/15 1755 DRC

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

December 21, 2015

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.: 35217583

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

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

This report shall not be reproduced, except in full,
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Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

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

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SAMPLE SUMMARY

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35217583001	**EQ Blank 11/19/15**	Water	11/19/15 14:15	11/19/15 17:50
35217583002	**B33-2**	Water	11/19/15 14:46	11/19/15 17:50
35217583003	**B33-1**	Water	11/19/15 15:43	11/19/15 17:50
35217583004	**B33-1 DUP**	Water	11/19/15 15:43	11/19/15 17:50
35217583006	**B-2**	Water	11/19/15 16:29	11/19/15 17:50
35217583007	**TRIP BLANK 11/19/15**	Water	11/19/15 00:00	11/19/15 17:50

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35217583001	**EQ Blank 11/19/15**	EPA 8011	IRL	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217583002	**B33-2**	EPA 8011	IRL	2	PASI-O
		EPA 6010	MEW	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217583003	**B33-1**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217583004	**B33-1 DUP**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217583006	**B-2**	EPA 8011	IRL	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217583007	**TRIP BLANK 11/19/15**	EPA 8260	SK	50	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217583001	**EQ Blank 11/19/15**					
EPA 6010	Barium	23.7	ug/L	10.0	12/04/15 11:20	
SM 2540C	Total Dissolved Solids	22.0	mg/L	5.0	11/24/15 15:48	
35217583002	**B33-2**					
	Field pH	6.51	Std. Units		11/19/15 14:46	
	Field Temperature	24.29	deg C		11/19/15 14:46	
	Appearance	Color: yellow, Sheen: none			11/19/15 14:46	
	Field Specific Conductance	1190	umhos/cm		11/19/15 14:46	
	Oxygen, Dissolved	0.87	mg/L		11/19/15 14:46	
	REDOX	-83.2	mV		11/19/15 14:46	
	Turbidity	16.90	NTU		11/19/15 14:46	
	Water Level(NGVD)	28.17	feet		11/19/15 14:46	
EPA 6010	Arsenic	12.2	ug/L	10.0	12/04/15 11:24	
EPA 6010	Barium	99.4	ug/L	10.0	12/04/15 11:24	
EPA 6010	Chromium	7.7	ug/L	5.0	12/04/15 11:24	
EPA 6010	Copper	2.8 I	ug/L	5.0	12/04/15 11:24	
EPA 6010	Iron	7200	ug/L	40.0	12/04/15 11:24	
EPA 6010	Nickel	5.6	ug/L	5.0	12/04/15 11:24	
EPA 6010	Sodium	121	mg/L	1.0	12/04/15 11:24	
EPA 6010	Vanadium	15.4	ug/L	10.0	12/04/15 11:24	
EPA 6020	Antimony	0.55 I	ug/L	1.0	12/01/15 22:05	
SM 2540C	Total Dissolved Solids	828	mg/L	10.0	11/24/15 16:54	
EPA 300.0	Chloride	45.3	mg/L	5.0	11/21/15 04:45	
EPA 350.1	Nitrogen, Ammonia	0.76	mg/L	0.050	11/21/15 08:46	
35217583003	**B33-1**					
	Field pH	6.07	Std. Units		11/19/15 15:43	
	Field Temperature	24.03	deg C		11/19/15 15:43	
	Appearance	Color: yellow, Sheen: none			11/19/15 15:43	
	Field Specific Conductance	698	umhos/cm		11/19/15 15:43	
	Oxygen, Dissolved	0.13	mg/L		11/19/15 15:43	
	REDOX	-62.6	mV		11/19/15 15:43	
	Turbidity	0.82	NTU		11/19/15 15:43	
	Water Level(NGVD)	27.56	feet		11/19/15 15:43	
EPA 6010	Barium	53.2	ug/L	10.0	12/03/15 20:39	
EPA 6010	Chromium	2.9 I	ug/L	5.0	12/03/15 20:39	
EPA 6010	Iron	11000	ug/L	40.0	12/03/15 20:39	
EPA 6010	Sodium	62.5	mg/L	1.0	12/03/15 20:39	
SM 2540C	Total Dissolved Solids	471	mg/L	5.0	11/24/15 16:54	
EPA 300.0	Chloride	87.0	mg/L	5.0	11/21/15 05:44	
EPA 350.1	Nitrogen, Ammonia	0.28	mg/L	0.050	11/21/15 08:57	
EPA 353.2	Nitrogen, Nitrate	0.038 I	mg/L	0.050	11/20/15 14:12	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217583004	**B33-1 DUP**					
	Field pH	6.07	Std. Units		11/19/15 15:43	
	Field Temperature	24.03	deg C		11/19/15 15:43	
	Appearance	Color: yellow, Sheen: none			11/19/15 15:43	
	Field Specific Conductance	698	umhos/cm		11/19/15 15:43	
	Oxygen, Dissolved	0.13	mg/L		11/19/15 15:43	
	REDOX	-62.6	mV		11/19/15 15:43	
	Turbidity	0.82	NTU		11/19/15 15:43	
	Water Level(NGVD)	27.56	feet		11/19/15 15:43	
EPA 6010	Barium	53.9	ug/L	10.0	12/03/15 20:43	
EPA 6010	Chromium	2.9 I	ug/L	5.0	12/03/15 20:43	
EPA 6010	Iron	10900	ug/L	40.0	12/03/15 20:43	
EPA 6010	Sodium	64.4	mg/L	1.0	12/03/15 20:43	
SM 2540C	Total Dissolved Solids	488	mg/L	5.0	11/24/15 16:55	
EPA 300.0	Chloride	87.2	mg/L	5.0	11/21/15 06:03	
EPA 350.1	Nitrogen, Ammonia	0.28	mg/L	0.050	11/21/15 08:59	
EPA 353.2	Nitrogen, Nitrate	0.039 I	mg/L	0.050	11/20/15 14:15	
35217583006	**B-2**					
	Field pH	5.49	Std. Units		11/19/15 16:29	
	Field Temperature	25.62	deg C		11/19/15 16:29	
	Appearance	Color: yellow, Sheen: none			11/19/15 16:29	
	Field Specific Conductance	1016	umhos/cm		11/19/15 16:29	
	Oxygen, Dissolved	0.16	mg/L		11/19/15 16:29	
	REDOX	-84.4	mV		11/19/15 16:29	
	Turbidity	2.48	NTU		11/19/15 16:29	
	Water Level(NGVD)	28.31	feet		11/19/15 16:29	
EPA 6010	Barium	120	ug/L	10.0	12/03/15 21:09	
EPA 6010	Beryllium	1.5	ug/L	1.0	12/03/15 21:09	
EPA 6010	Cadmium	0.57 I	ug/L	1.0	12/03/15 21:09	
EPA 6010	Chromium	3.1 I	ug/L	5.0	12/03/15 21:09	
EPA 6010	Iron	23800	ug/L	40.0	12/03/15 21:09	
EPA 6010	Sodium	24.4	mg/L	1.0	12/03/15 21:09	
EPA 6010	Vanadium	14.2	ug/L	10.0	12/03/15 21:09	
EPA 8260	Chloroform	1.4	ug/L	1.0	12/01/15 19:25	
SM 2540C	Total Dissolved Solids	751	mg/L	5.0	11/24/15 16:55	
EPA 300.0	Chloride	39.1	mg/L	5.0	11/21/15 06:42	
EPA 350.1	Nitrogen, Ammonia	5.6	mg/L	0.050	11/21/15 09:03	
EPA 353.2	Nitrogen, Nitrate	0.063	mg/L	0.050	11/20/15 14:18	

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PROJECT NARRATIVE

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Date: December 21, 2015

Per client request, the data for well B32 was removed and a revised report generated.

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: EQ Blank 11/19/15 **Lab ID: 35217583001** Collected: 11/19/15 14:15 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	12/01/15 16:30	12/02/15 19:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	12/01/15 16:30	12/02/15 19:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:20	7440-38-2	
Barium	**23.7**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:20	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/04/15 11:20	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/04/15 11:20	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:20	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:20	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:20	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/30/15 22:15	12/04/15 11:20	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:20	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:20	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/04/15 11:20	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:20	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/30/15 22:15	12/04/15 11:20	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:20	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/04/15 11:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 21:55	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 21:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:36	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/01/15 16:32	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:32	107-13-1	J(L2)
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/01/15 16:32	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/01/15 16:32	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:32	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:32	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/01/15 16:32	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/01/15 16:32	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: EQ Blank 11/19/15 **Lab ID: 35217583001** Collected: 11/19/15 14:15 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:32	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 16:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 16:32	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:32	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/01/15 16:32	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/01/15 16:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:32	108-10-1	J(L2)
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/01/15 16:32	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/01/15 16:32	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/01/15 16:32	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:32	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/01/15 16:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-114		1		12/01/15 16:32	460-00-4	
1,2-Dichloroethane-d4 (S)	134	%	86-125		1		12/01/15 16:32	17060-07-0	S3
Toluene-d8 (S)	101	%	87-113		1		12/01/15 16:32	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**22.0**	mg/L	5.0	5.0	1		11/24/15 15:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/21/15 03:47	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/21/15 08:41	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 14:07		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-2 **Lab ID: 35217583002** Collected: 11/19/15 14:46 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.51**	Std. Units			1		11/19/15 14:46		
Field Temperature	**24.29**	deg C			1		11/19/15 14:46		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 14:46		
Field Specific Conductance	**1190**	umhos/cm			1		11/19/15 14:46		
Oxygen, Dissolved	**0.87**	mg/L			1		11/19/15 14:46	7782-44-7	
REDOX	**-83.2**	mV			1		11/19/15 14:46		
Turbidity	**16.90**	NTU			1		11/19/15 14:46		
Water Level(NGVD)	**28.17**	feet			1		11/19/15 14:46		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0057 U**	ug/L	0.023	0.0057	1	12/01/15 16:30	12/02/15 19:54	96-12-8	
1,2-Dibromoethane (EDB)	**0.0072 U**	ug/L	0.012	0.0072	1	12/01/15 16:30	12/02/15 19:54	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**12.2**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:24	7440-38-2	
Barium	**99.4**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:24	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/04/15 11:24	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/04/15 11:24	7440-43-9	
Chromium	**7.7**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:24	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:24	7440-48-4	
Copper	**2.8 I**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:24	7440-50-8	
Iron	**7200**	ug/L	40.0	20.0	1	11/30/15 22:15	12/04/15 11:24	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:24	7439-92-1	
Nickel	**5.6**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:24	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/04/15 11:24	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/04/15 11:24	7440-22-4	
Sodium	**121**	mg/L	1.0	0.50	1	11/30/15 22:15	12/04/15 11:24	7440-23-5	
Vanadium	**15.4**	ug/L	10.0	5.0	1	11/30/15 22:15	12/04/15 11:24	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/04/15 11:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.55 I**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:05	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:05	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:38	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/01/15 16:57	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:57	107-13-1	J(L2)
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/01/15 16:57	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/01/15 16:57	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-2 **Lab ID: 35217583002** Collected: 11/19/15 14:46 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:57	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:57	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/01/15 16:57	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/01/15 16:57	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:57	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 16:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 16:57	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:57	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/01/15 16:57	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/01/15 16:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:57	108-10-1	J(L2)
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/01/15 16:57	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/01/15 16:57	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/01/15 16:57	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:57	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/01/15 16:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-114		1		12/01/15 16:57	460-00-4	
1,2-Dichloroethane-d4 (S)	132	%	86-125		1		12/01/15 16:57	17060-07-0	S3
Toluene-d8 (S)	98	%	87-113		1		12/01/15 16:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-2 **Lab ID: 35217583002** Collected: 11/19/15 14:46 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**828**	mg/L	10.0	10.0	1		11/24/15 16:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**45.3**	mg/L	5.0	2.5	1		11/21/15 04:45	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.76**	mg/L	0.050	0.020	1		11/21/15 08:46	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 14:08		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-1 **Lab ID: 35217583003** Collected: 11/19/15 15:43 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.07**	Std. Units			1		11/19/15 15:43		
Field Temperature	**24.03**	deg C			1		11/19/15 15:43		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 15:43		
Field Specific Conductance	**698**	umhos/cm			1		11/19/15 15:43		
Oxygen, Dissolved	**0.13**	mg/L			1		11/19/15 15:43	7782-44-7	
REDOX	**-62.6**	mV			1		11/19/15 15:43		
Turbidity	**0.82**	NTU			1		11/19/15 15:43		
Water Level(NGVD)	**27.56**	feet			1		11/19/15 15:43		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/01/15 16:30	12/02/15 20:39	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.011	0.0065	1	12/01/15 16:30	12/02/15 20:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:39	7440-38-2	
Barium	**53.2**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:39	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 20:39	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 20:39	7440-43-9	
Chromium	**2.9 I**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:39	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:39	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:39	7440-50-8	
Iron	**11000**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 20:39	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:39	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:39	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 20:39	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:39	7440-22-4	
Sodium	**62.5**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 20:39	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:39	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 20:39	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:08	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:08	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:40	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/01/15 17:46	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 17:46	107-13-1	J(L2)
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/01/15 17:46	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/01/15 17:46	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-1 **Lab ID: 35217583003** Collected: 11/19/15 15:43 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 17:46	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 17:46	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/01/15 17:46	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/01/15 17:46	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 17:46	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 17:46	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 17:46	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 17:46	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/01/15 17:46	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/01/15 17:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 17:46	108-10-1	J(L2)
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/01/15 17:46	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/01/15 17:46	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/01/15 17:46	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 17:46	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/01/15 17:46	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-114		1		12/01/15 17:46	460-00-4	
1,2-Dichloroethane-d4 (S)	127	%	86-125		1		12/01/15 17:46	17060-07-0	S3
Toluene-d8 (S)	96	%	87-113		1		12/01/15 17:46	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-1 **Lab ID: 35217583003** Collected: 11/19/15 15:43 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**471**	mg/L	5.0	5.0	1		11/24/15 16:54		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**87.0**	mg/L	5.0	2.5	1		11/21/15 05:44	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.28**	mg/L	0.050	0.020	1		11/21/15 08:57	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.038 I**	mg/L	0.050	0.025	1		11/20/15 14:12		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-1 DUP **Lab ID: 35217583004** Collected: 11/19/15 15:43 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.07**	Std. Units			1		11/19/15 15:43		
Field Temperature	**24.03**	deg C			1		11/19/15 15:43		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 15:43		
Field Specific Conductance	**698**	umhos/cm			1		11/19/15 15:43		
Oxygen, Dissolved	**0.13**	mg/L			1		11/19/15 15:43	7782-44-7	
REDOX	**-62.6**	mV			1		11/19/15 15:43		
Turbidity	**0.82**	NTU			1		11/19/15 15:43		
Water Level(NGVD)	**27.56**	feet			1		11/19/15 15:43		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/01/15 16:30	12/02/15 20:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	12/01/15 16:30	12/02/15 20:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:43	7440-38-2	
Barium	**53.9**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:43	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 20:43	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 20:43	7440-43-9	
Chromium	**2.9 I**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:43	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:43	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:43	7440-50-8	
Iron	**10900**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 20:43	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:43	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:43	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 20:43	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 20:43	7440-22-4	
Sodium	**64.4**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 20:43	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 20:43	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 20:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:23	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:23	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:42	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/01/15 18:11	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 18:11	107-13-1	J(L2)
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/01/15 18:11	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/01/15 18:11	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-1 DUP **Lab ID: 35217583004** Collected: 11/19/15 15:43 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 18:11	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 18:11	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/01/15 18:11	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/01/15 18:11	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 18:11	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 18:11	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 18:11	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 18:11	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/01/15 18:11	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/01/15 18:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 18:11	108-10-1	J(L2)
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/01/15 18:11	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/01/15 18:11	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/01/15 18:11	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 18:11	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/01/15 18:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-114		1		12/01/15 18:11	460-00-4	
1,2-Dichloroethane-d4 (S)	130	%	86-125		1		12/01/15 18:11	17060-07-0	S3
Toluene-d8 (S)	97	%	87-113		1		12/01/15 18:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B33-1 DUP **Lab ID: 35217583004** Collected: 11/19/15 15:43 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**488**	mg/L	5.0	5.0	1		11/24/15 16:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**87.2**	mg/L	5.0	2.5	1		11/21/15 06:03	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.28**	mg/L	0.050	0.020	1		11/21/15 08:59	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.039 I**	mg/L	0.050	0.025	1		11/20/15 14:15		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B-2 **Lab ID: 35217583006** Collected: 11/19/15 16:29 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.49**	Std. Units			1		11/19/15 16:29		
Field Temperature	**25.62**	deg C			1		11/19/15 16:29		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 16:29		
Field Specific Conductance	**1016**	umhos/cm			1		11/19/15 16:29		
Oxygen, Dissolved	**0.16**	mg/L			1		11/19/15 16:29	7782-44-7	
REDOX	**-84.4**	mV			1		11/19/15 16:29		
Turbidity	**2.48**	NTU			1		11/19/15 16:29		
Water Level(NGVD)	**28.31**	feet			1		11/19/15 16:29		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.021	0.0053	1	12/01/15 16:30	12/02/15 21:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	12/01/15 16:30	12/02/15 21:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:09	7440-38-2	
Barium	**120**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:09	7440-39-3	
Beryllium	**1.5**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:09	7440-41-7	
Cadmium	**0.57 I**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:09	7440-43-9	
Chromium	**3.1 I**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:09	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:09	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:09	7440-50-8	
Iron	**23800**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:09	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:09	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:09	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:09	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:09	7440-22-4	
Sodium	**24.4**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:09	7440-23-5	
Vanadium	**14.2**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:09	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:09	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:28	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:28	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/28/15 05:57	11/30/15 20:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/01/15 19:25	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 19:25	107-13-1	J(L2), J(M0)
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/01/15 19:25	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	74-97-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B-2 **Lab ID: 35217583006** Collected: 11/19/15 16:29 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/01/15 19:25	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 19:25	78-93-3	J(M1)
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 19:25	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	75-00-3	
Chloroform	**1.4**	ug/L	1.0	0.50	1		12/01/15 19:25	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/01/15 19:25	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/01/15 19:25	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 19:25	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 19:25	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 19:25	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 19:25	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/01/15 19:25	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/01/15 19:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 19:25	108-10-1	J(L2)
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/01/15 19:25	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	75-69-4	J(M1)
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/01/15 19:25	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/01/15 19:25	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 19:25	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/01/15 19:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		12/01/15 19:25	460-00-4	
1,2-Dichloroethane-d4 (S)	131	%	86-125		1		12/01/15 19:25	17060-07-0	J(S0)
Toluene-d8 (S)	98	%	87-113		1		12/01/15 19:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: B-2 **Lab ID: 35217583006** Collected: 11/19/15 16:29 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**751**	mg/L	5.0	5.0	1		11/24/15 16:55		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**39.1**	mg/L	5.0	2.5	1		11/21/15 06:42	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**5.6**	mg/L	0.050	0.020	1		11/21/15 09:03	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.063**	mg/L	0.050	0.025	1		11/20/15 14:18		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: TRIP BLANK 11/19/15 **Lab ID: 35217583007** Collected: 11/19/15 00:00 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/01/15 16:08	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:08	107-13-1	J(L2)
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/01/15 16:08	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/01/15 16:08	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:08	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:08	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/01/15 16:08	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		12/01/15 16:08	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/01/15 16:08	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:08	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 16:08	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/01/15 16:08	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:08	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/01/15 16:08	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/01/15 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/01/15 16:08	108-10-1	J(L2)
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/01/15 16:08	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/01/15 16:08	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/01/15 16:08	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/01/15 16:08	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Sample: TRIP BLANK 11/19/15 **Lab ID: 35217583007** Collected: 11/19/15 00:00 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/01/15 16:08	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		12/01/15 16:08	460-00-4	
1,2-Dichloroethane-d4 (S)	133	%	86-125		1		12/01/15 16:08	17060-07-0	S3
Toluene-d8 (S)	97	%	87-113		1		12/01/15 16:08	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: MERP/6393 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

METHOD BLANK: 1403776 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/30/15 20:08	

LABORATORY CONTROL SAMPLE: 1403777

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: 1403778 1403779

Parameter	Units	35217114008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	2.2	2.1	108	106	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: MPRP/27573 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

METHOD BLANK: 1405979 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Barium	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Beryllium	ug/L	0.50 U	1.0	0.50	12/04/15 11:12	
Cadmium	ug/L	0.50 U	1.0	0.50	12/04/15 11:12	
Chromium	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Cobalt	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Copper	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Iron	ug/L	20.0 U	40.0	20.0	12/04/15 11:12	
Lead	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Nickel	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Selenium	ug/L	7.5 U	15.0	7.5	12/04/15 11:12	
Silver	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Sodium	mg/L	0.50 U	1.0	0.50	12/04/15 11:12	
Vanadium	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Zinc	ug/L	10.0 U	20.0	10.0	12/04/15 11:12	

LABORATORY CONTROL SAMPLE: 1405980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	269	108	80-120	
Barium	ug/L	250	266	107	80-120	
Beryllium	ug/L	25	25.6	102	80-120	
Cadmium	ug/L	25	27.7	111	80-120	
Chromium	ug/L	250	266	107	80-120	
Cobalt	ug/L	250	276	110	80-120	
Copper	ug/L	250	269	108	80-120	
Iron	ug/L	2500	2540	102	80-120	
Lead	ug/L	250	273	109	80-120	
Nickel	ug/L	250	276	110	80-120	
Selenium	ug/L	250	266	106	80-120	
Silver	ug/L	25	26.3	105	80-120	
Sodium	mg/L	12.5	13.6	109	80-120	
Vanadium	ug/L	250	270	108	80-120	
Zinc	ug/L	1250	1340	107	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405987 1405988

Parameter	Units	35217583002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	12.2	250	250	282	274	108	105	75-125	3	20	
Barium	ug/L	99.4	250	250	368	368	108	107	75-125	0	20	
Beryllium	ug/L	0.50 U	25	25	26.9	26.1	107	104	75-125	3	20	
Cadmium	ug/L	0.50 U	25	25	27.1	26.4	108	106	75-125	3	20	
Chromium	ug/L	7.7	250	250	278	274	108	107	75-125	1	20	
Cobalt	ug/L	5.0 U	250	250	272	272	109	108	75-125	0	20	
Copper	ug/L	2.8 I	250	250	277	276	110	109	75-125	0	20	
Iron	ug/L	7200	2500	2500	10600	10400	138	127	75-125	3	20	
Lead	ug/L	5.0 U	250	250	268	265	106	105	75-125	1	20	
Nickel	ug/L	5.6	250	250	274	275	107	108	75-125	1	20	
Selenium	ug/L	7.5 U	250	250	271	268	107	105	75-125	1	20	
Silver	ug/L	2.5 U	25	25	27.1	26.6	108	107	75-125	2	20	
Sodium	mg/L	121	12.5	12.5	136	137	122	130	75-125	1	20	
Vanadium	ug/L	15.4	250	250	290	288	110	109	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1360	1350	108	108	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: MPRP/27574 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

METHOD BLANK: 1405983 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/01/15 11:35	
Thallium	ug/L	0.50 U	1.0	0.50	12/01/15 11:35	

LABORATORY CONTROL SAMPLE: 1405984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.4	97	80-120	
Thallium	ug/L	50	50.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405993 1405994

Parameter	Units	35217583003 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	46.1	48.7	92	97	75-125	5	20	
Thallium	ug/L	0.50 U	50	50	50.8	52.7	102	105	75-125	4	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: MSV/16819 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006, 35217583007

METHOD BLANK: 1406701 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006, 35217583007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	12/01/15 12:25	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	12/01/15 12:25	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	12/01/15 12:25	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	12/01/15 12:25	
2-Hexanone	ug/L	5.0 U	10.0	5.0	12/01/15 12:25	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	12/01/15 12:25	
Acetone	ug/L	10.0 U	20.0	10.0	12/01/15 12:25	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	12/01/15 12:25	
Benzene	ug/L	0.10 U	1.0	0.10	12/01/15 12:25	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	12/01/15 12:25	
Bromoform	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Bromomethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	12/01/15 12:25	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Chloroethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Chloroform	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Chloromethane	ug/L	0.62 U	1.0	0.62	12/01/15 12:25	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	12/01/15 12:25	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	12/01/15 12:25	
Dibromomethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Iodomethane	ug/L	0.50 U	10.0	0.50	12/01/15 12:25	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	12/01/15 12:25	
Styrene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Toluene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	12/01/15 12:25	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

METHOD BLANK: 1406701 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006, 35217583007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	12/01/15 12:25	
Trichloroethene	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	12/01/15 12:25	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	12/01/15 12:25	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	12/01/15 12:25	
1,2-Dichloroethane-d4 (S)	%	124	86-125		12/01/15 12:25	
4-Bromofluorobenzene (S)	%	90	70-114		12/01/15 12:25	
Toluene-d8 (S)	%	97	87-113		12/01/15 12:25	

LABORATORY CONTROL SAMPLE: 1406702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.8	89	70-130	
1,1,1-Trichloroethane	ug/L	20	20.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	14.9	75	70-130	
1,1,2-Trichloroethane	ug/L	20	16.1	80	70-130	
1,1-Dichloroethane	ug/L	20	17.7	88	70-130	
1,1-Dichloroethene	ug/L	20	20.8	104	70-130	
1,2,3-Trichloropropane	ug/L	20	16.6	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.1	76	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	15.9	79	70-130	
1,2-Dichlorobenzene	ug/L	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	16.1	81	70-130	
1,4-Dichlorobenzene	ug/L	20	18.6	93	70-130	
2-Butanone (MEK)	ug/L	40	25.1	63	55-167	
2-Hexanone	ug/L	40	26.3	66	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	27.2	68	70-130	J(L0)
Acetone	ug/L	40	31.2	78	40-150	
Acrylonitrile	ug/L	200	138	69	70-130	J(L0)
Benzene	ug/L	20	16.4	82	70-130	
Bromochloromethane	ug/L	20	17.7	89	70-130	
Bromodichloromethane	ug/L	20	18.3	91	70-130	
Bromoform	ug/L	20	16.4	82	68-130	
Bromomethane	ug/L	20	18.3	92	38-179	
Carbon disulfide	ug/L	20	16.9	84	51-155	
Carbon tetrachloride	ug/L	20	20.8	104	70-130	
Chlorobenzene	ug/L	20	17.1	86	70-130	
Chloroethane	ug/L	20	16.0	80	59-149	
Chloroform	ug/L	20	19.1	96	70-130	
Chloromethane	ug/L	20	18.7	94	68-130	
cis-1,2-Dichloroethene	ug/L	20	16.4	82	70-130	
cis-1,3-Dichloropropene	ug/L	20	16.6	83	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

LABORATORY CONTROL SAMPLE: 1406702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	20	16.7	83	70-130	
Dibromomethane	ug/L	20	17.2	86	70-130	
Ethylbenzene	ug/L	20	18.4	92	70-130	
Iodomethane	ug/L	40	51.5	129	43-160	
Methylene Chloride	ug/L	20	19.5	97	70-130	
Styrene	ug/L	20	16.4	82	70-130	
Tetrachloroethene	ug/L	20	16.2	81	66-133	
Toluene	ug/L	20	16.7	83	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.1	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	17.7	88	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.4	77	65-130	
Trichloroethene	ug/L	20	17.6	88	70-130	
Trichlorofluoromethane	ug/L	20	24.9	124	70-131	
Vinyl acetate	ug/L	20	17.4	87	69-135	
Vinyl chloride	ug/L	20	18.1	91	69-140	
Xylene (Total)	ug/L	60	56.4	94	70-130	
1,2-Dichloroethane-d4 (S)	%			123	86-125	
4-Bromofluorobenzene (S)	%			98	70-114	
Toluene-d8 (S)	%			97	87-113	

MATRIX SPIKE SAMPLE: 1406756

Parameter	Units	35217583006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.5	98	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	21.8	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	16.8	84	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	17.3	87	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	22.5	112	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	18.9	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	17.5	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	17.5	87	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	21.3	106	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	15.9	79	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.7	99	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	26.5	66	70-130	J(M1)
2-Hexanone	ug/L	5.0 U	40	31.3	78	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	32.9	82	70-130	
Acetone	ug/L	10.0 U	40	31.3	78	70-130	
Acrylonitrile	ug/L	5.0 U	200	129	64	70-130	J(M0)
Benzene	ug/L	0.10 U	20	17.0	85	70-130	
Bromochloromethane	ug/L	0.50 U	20	17.7	89	70-130	
Bromodichloromethane	ug/L	0.27 U	20	19.0	95	70-130	
Bromoform	ug/L	0.50 U	20	16.9	85	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

MATRIX SPIKE SAMPLE: 1406756

Parameter	Units	35217583006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	0.50 U	20	16.2	81	70-130	
Carbon disulfide	ug/L	5.0 U	20	18.1	90	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	22.4	112	70-130	
Chlorobenzene	ug/L	0.50 U	20	18.2	91	70-130	
Chloroethane	ug/L	0.50 U	20	15.4	77	70-130	
Chloroform	ug/L	1.4	20	19.2	89	70-130	
Chloromethane	ug/L	0.62 U	20	17.9	89	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	16.8	84	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	15.6	78	70-130	
Dibromochloromethane	ug/L	0.26 U	20	17.5	88	70-130	
Dibromomethane	ug/L	0.50 U	20	16.3	81	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.5	97	70-130	
Iodomethane	ug/L	0.50 U	40	48.0	120	70-130	
Methylene Chloride	ug/L	2.5 U	20	18.6	93	70-130	
Styrene	ug/L	0.50 U	20	16.8	84	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.3	82	70-130	
Toluene	ug/L	0.50 U	20	17.5	87	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	20.2	101	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	18.5	92	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	18.0	90	70-130	
Trichloroethene	ug/L	0.50 U	20	18.3	92	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	27.9	140	70-130	J(M1)
Vinyl acetate	ug/L	1.0 U	20	18.3	92	70-130	
Vinyl chloride	ug/L	0.50 U	20	18.3	92	70-130	
Xylene (Total)	ug/L	0.50 U	60	58.8	98	70-130	
1,2-Dichloroethane-d4 (S)	%				128	86-125	J(S0)
4-Bromofluorobenzene (S)	%				98	70-114	
Toluene-d8 (S)	%				95	87-113	

SAMPLE DUPLICATE: 1406755

Parameter	Units	35217583005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

SAMPLE DUPLICATE: 1406755

Parameter	Units	35217583005 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	133	131	2	40	S3
4-Bromofluorobenzene (S)	%	94	94	0	40	
Toluene-d8 (S)	%	97	99	2	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: OEXT/25513 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217583001, 35217583002

METHOD BLANK: 1405913 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	12/02/15 13:35	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	12/02/15 13:35	

LABORATORY CONTROL SAMPLE: 1405914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.22	88	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.22	90	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405915 1405916

Parameter	Units	35217637002 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	0.0052 U	.44	.44	0.45	0.44	103	100	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0066 U	.44	.44	0.45	0.41	103	94	60-140	9	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: OEXT/25514 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217583003, 35217583004, 35217583006

METHOD BLANK: 1405921 Matrix: Water
Associated Lab Samples: 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	12/02/15 20:09	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	12/02/15 20:09	

LABORATORY CONTROL SAMPLE: 1405922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.19	76	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.19	77	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1406186 1406187

Parameter	Units	35217870001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0050 U	.88	.44	0.90	0.42	103	97	60-140	72	40	J(R1), L
1,2-Dibromoethane (EDB)	ug/L	0.0063 U	.88	.44	0.85	0.42	97	95	60-140	69	40	J(R1), L

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: WET/34315 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35217583001

METHOD BLANK: 1402050 Matrix: Water
Associated Lab Samples: 35217583001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/30/15 15:11	

LABORATORY CONTROL SAMPLE: 1402051

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	306	102	90-110	

SAMPLE DUPLICATE: 1402843

Parameter	Units	35217143001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1060	1060	0	5	

SAMPLE DUPLICATE: 1402844

Parameter	Units	35217192002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1150	1160	1	5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: WET/34333 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35217583002, 35217583003, 35217583004, 35217583006

METHOD BLANK: 1402442 Matrix: Water
Associated Lab Samples: 35217583002, 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/24/15 16:54	

LABORATORY CONTROL SAMPLE: 1402443

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

SAMPLE DUPLICATE: 1403125

Parameter	Units	35217639003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2550	2550	0	5	

SAMPLE DUPLICATE: 1403126

Parameter	Units	35217639004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	50.0 U	50.0 U		5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: WETA/52344 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

METHOD BLANK: 1399527 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002, 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/20/15 23:35	

LABORATORY CONTROL SAMPLE: 1399528

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: 1399529 1399530

Parameter	Units	35217542005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	90.1	50	50	139	139	98	97	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1399531 1399532

Parameter	Units	35217583002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	45.3	50	50	95.2	95.3	100	100	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: WETA/52352 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35217583001

METHOD BLANK: 1400343 Matrix: Water
Associated Lab Samples: 35217583001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/21/15 08:20	

LABORATORY CONTROL SAMPLE: 1400344

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

MATRIX SPIKE SAMPLE: 1400346

Parameter	Units	35217609001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.69	1	1.8	107	90-110	

SAMPLE DUPLICATE: 1400345

Parameter	Units	35217609001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.69	0.69	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: WETA/52353 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35217583002, 35217583003, 35217583004, 35217583006

METHOD BLANK: 1400347 Matrix: Water
Associated Lab Samples: 35217583002, 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/21/15 09:14	

LABORATORY CONTROL SAMPLE: 1400348

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

MATRIX SPIKE SAMPLE: 1400350

Parameter	Units	35217583002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.76	1	1.8	102	90-110	

SAMPLE DUPLICATE: 1400349

Parameter	Units	35217583002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.76	0.76	0	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: WETA/52329 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217583001, 35217583002

METHOD BLANK: 1399232 Matrix: Water
Associated Lab Samples: 35217583001, 35217583002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/20/15 13:27	

SAMPLE DUPLICATE: 1399234

Parameter	Units	35217556001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

SAMPLE DUPLICATE: 1399236

Parameter	Units	35217556011 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

QC Batch: WETA/52331 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217583003, 35217583004, 35217583006

METHOD BLANK: 1399242 Matrix: Water
Associated Lab Samples: 35217583003, 35217583004, 35217583006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/20/15 14:09	

SAMPLE DUPLICATE: 1399244

Parameter	Units	35217583003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.038 I	0.040 I		20	

SAMPLE DUPLICATE: 1399246

Parameter	Units	35217584007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.036 I	0.036 I		20	

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
J(S0)	Estimated Value. Surrogate recovery outside laboratory control limits.
L	Off-scale high. Actual value is known to be greater than value given.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217583002	**B33-2**		FLD/		
35217583003	**B33-1**		FLD/		
35217583004	**B33-1 DUP**		FLD/		
35217583006	**B-2**		FLD/		
35217583001	**EQ Blank 11/19/15**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217583002	**B33-2**	EPA 8011	OEXT/25513	EPA 8011	GCSV/16601
35217583003	**B33-1**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217583004	**B33-1 DUP**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217583006	**B-2**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217583001	**EQ Blank 11/19/15**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217583002	**B33-2**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217583003	**B33-1**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217583004	**B33-1 DUP**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217583006	**B-2**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217583001	**EQ Blank 11/19/15**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217583002	**B33-2**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217583003	**B33-1**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217583004	**B33-1 DUP**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217583006	**B-2**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217583001	**EQ Blank 11/19/15**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217583002	**B33-2**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217583003	**B33-1**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217583004	**B33-1 DUP**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217583006	**B-2**	EPA 7470	MERP/6393	EPA 7470	MERC/6380
35217583001	**EQ Blank 11/19/15**	EPA 8260	MSV/16819		
35217583002	**B33-2**	EPA 8260	MSV/16819		
35217583003	**B33-1**	EPA 8260	MSV/16819		
35217583004	**B33-1 DUP**	EPA 8260	MSV/16819		
35217583006	**B-2**	EPA 8260	MSV/16819		
35217583007	**TRIP BLANK 11/19/15**	EPA 8260	MSV/16819		
35217583001	**EQ Blank 11/19/15**	SM 2540C	WET/34315		
35217583002	**B33-2**	SM 2540C	WET/34333		
35217583003	**B33-1**	SM 2540C	WET/34333		
35217583004	**B33-1 DUP**	SM 2540C	WET/34333		
35217583006	**B-2**	SM 2540C	WET/34333		
35217583001	**EQ Blank 11/19/15**	EPA 300.0	WETA/52344		
35217583002	**B33-2**	EPA 300.0	WETA/52344		
35217583003	**B33-1**	EPA 300.0	WETA/52344		
35217583004	**B33-1 DUP**	EPA 300.0	WETA/52344		
35217583006	**B-2**	EPA 300.0	WETA/52344		
35217583001	**EQ Blank 11/19/15**	EPA 350.1	WETA/52352		
35217583002	**B33-2**	EPA 350.1	WETA/52353		
35217583003	**B33-1**	EPA 350.1	WETA/52353		

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi-annual MWS
Pace Project No.: 35217583

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217583004	**B33-1 DUP**	EPA 350.1	WETA/52353		
35217583006	**B-2**	EPA 350.1	WETA/52353		
35217583001	**EQ Blank 11/19/15**	EPA 353.2	WETA/52329		
35217583002	**B33-2**	EPA 353.2	WETA/52329		
35217583003	**B33-1**	EPA 353.2	WETA/52331		
35217583004	**B33-1 DUP**	EPA 353.2	WETA/52331		
35217583006	**B-2**	EPA 353.2	WETA/52331		

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WO# : 35217583

35217583

...est Document

...e completed accurately.

Page: 1 of 1

1871995

Section A
Required Client Information:

Company: Volusia County Solid Waste	
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B
Required Project

Report To:	
Copy To:	
Purchase Order No.:	
Project Name: Tomoka LF Surf. Annual mw's	
Project Number:	

Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location
STATE: _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ					11-19-15	1415											C	TDS, 903, Cl		
2	B33-2					"	1446											C	mSM 6010, 6020, Hg		
3	B 33-1					"	1543											C	Ammonia		
4	Duplicate					"	1543											C	EPA 8011		
5	B-32					"	1629											C	8260 VOC's		
6	B-2					"	1717														
7	TRIP Blank					"	0000														
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] / PACE	11-19-15	1250	[signature] / Daniel M Cirino F-212	11/19/15	1750	4.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID PACE

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11-19-15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: 6	SAMPLE ID: EQ	DATE: 11-19-15

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: DAVID Ice / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT: 1415
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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_2O_2		< 2	6010, 6020 Hg	"	"
	1	"	1	H_2SO_4		< 2	AMMONIA	"	"
	2	CG	40	ICE			EDB 8011	"	"
	3	1	1	HCl		< 2	8260 VOC.S	"	"

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 MWs	
WELL NO: 1	SAMPLE ID: B 33-2	DATE: 11-19-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.02	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (12.85 feet – 5.02 feet) X 0.16 gallons/foot = 2.0528 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): 10	PURGING INITIATED AT: 1425	PURGING ENDED AT: 1442	TOTAL VOLUME PURGED (gallons): 3.40

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)
1436	2.20	2.20	0.20	8.11	6.50	24.22	1192	0.85	15.00	Yellow	Sulfur
1439	0.60	2.80	0.20	8.62	6.50	24.25	1193	0.65	14.37	1	1
1442	0.60	3.40	0.20	9.48	6.51	24.29	1190	0.87	16.90	1	1

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAUN TLE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1442	SAMPLING ENDED AT: 1446
PUMP OR TUBING DEPTH IN WELL (feet): 10	TUBING MATERIAL CODE: PE, 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		6.51	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		<2	6010, 6020 Diss	1	1
	1	1	1	H2SO4		<2	Ammonia	1	1
	2	CG	40	ICE		6.51	EDB, 8011	1	1
	3	1	1	HCl		<2	8260 VOCs	1	

REMARKS:
ORP -71.9 ORP -82.7 ORP -83.2

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MWs
WELL NO:	2	SAMPLE ID:	B3 3-1 / Duplicate
DATE:	11-19-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	7.36	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)
= (39.68 feet – 7.36 feet) X 0.16 gallons/foot = 5.1712 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:	1455	PURGING ENDED AT:	1535	TOTAL VOLUME PURGED (gallons):	8.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1521	5.20	5.20	0.20	8.24	6.06	24.08	705	0.16	2.01	Yellow	Sulfur
1528	1.40	6.60	0.20	8.24	6.06	24.05	700	0.14	0.84	"	"
1535	1.40	8.00	0.20	8.24	6.07	24.03	698	0.13	0.82	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	David Ick / Pace	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1535	SAMPLING ENDED AT:	1543
PUMP OR TUBING DEPTH IN WELL (feet):	9	TUBING MATERIAL CODE:	PE, 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		6.07	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		< 2	6010 6020 Mg	"	"
	1		1	H2SO4		< 2	Ammonia	"	"
	2	CG	40	ICE		6.07	EDB 8011	"	"
	3	1	1	HCl		< 2	8260 VOCs	"	"

REMARKS:
ORP -66.0 ORP -60.3 ORP -62.6

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: 3	SAMPLE ID: B 32	DATE: 11-19-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.80	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (31.50 feet – 3.80 feet) X 0.16 gallons/foot = 4.432 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5	PURGING INITIATED AT: 1550	PURGING ENDED AT: 1625	TOTAL VOLUME PURGED (gallons): 7.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1613	4.60	4.60	0.20	4.63	6.51	23.73	715	0.32	3.69	Yellow	SULFOR
1618	1.20	5.80	0.20	4.63	6.51	23.67	713	0.22	5.97	1	1
1625	1.20	7.00	0.20	4.63	6.52	23.66	709	0.16	6.85	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: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1625	SAMPLING ENDED AT: 1629
PUMP OR TUBING DEPTH IN WELL (feet): 5	TUBING MATERIAL CODE: PE, 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		6.52	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO_3		< 2	6010, 6020, Hg	1	1
	1	1	1	H_2SO_4		< 2	Ammonia		
	2	CG	40	ICE		6.52	EDB 8011	1	1
	3	1	1	HCl		< 2	8260 VOCs		

REMARKS:
ORP -82.6 ORP -88.6 ORP 91.3

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 2F Semi Annual mw's	
WELL NO:	4	SAMPLE ID:	B2	DATE: 11-19-15

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		6.42	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (12.30 feet – 6.42 feet) X 0.16 gallons/foot = 3.3408 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	1640	1713	7.40

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)
1701	4.20	4.20	0.20	7.64	5.48	25.64	1006	0.31	1.66	YELLOW	SULFUR
1707	1.60	5.80	0.20	7.64	5.48	25.63	1010	0.18	2.69	"	"
1713	1.60	7.40	0.20	7.64	5.49	25.62	1016	0.16	2.48	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICE / PACE		1713	1717

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
8	PE, 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		5.49	TDS, NO3, C	APP	<400
	1	1	250	HNO3		<2	6010, 6020, Hg	"	"
	1	"	1	H2SO4		<2	AMMONIA	"	"
	2	CG	40	ICE		5.49	EDB 8011	"	"
	3	1	1	HCL		<2	8260 VOC'S	"	"

REMARKS:
ORP 48.3 ORP -65.2 ORP -84.4

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: _____ Project # 35217583

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

Tracking # _____

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

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

Thermometer Used T-212 **Type of Ice:** (Wet) Blue None

Cooler Temperature °C 0.4 (Visual) +0.0 (Correction Factor) 0.4 (Actual)
4.8 +0.0 4.8

Date and Initials of person examining contents: 11/19/15 1750 DRL

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

December 18, 2015

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

RE: Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 16, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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

CERTIFICATIONS

Project:	Tomoka Semi-annual LF
Pace Project No.:	35216886

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
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 Semi-annual LF
Pace Project No.: 35216886

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35216886001	**EQ Blank 11/16/15**	Water	11/16/15 09:30	11/16/15 18:29
35216886002	**B87-6**	Water	11/16/15 11:25	11/16/15 18:29
35216886003	**B87-6 Dup**	Water	11/16/15 11:25	11/16/15 18:29
35216886004	**B74**	Water	11/16/15 12:20	11/16/15 18:29
35216886005	**B75**	Water	11/16/15 12:49	11/16/15 18:29
35216886006	**B60**	Water	11/16/15 13:46	11/16/15 18:29
35216886007	**B59-1R**	Water	11/16/15 14:46	11/16/15 18:29
35216886008	**B59-2R**	Water	11/16/15 15:27	11/16/15 18:29
35216886009	**B68**	Water	11/16/15 16:15	11/16/15 18:29
35216886010	**Trip Blank 11/16/15**	Water	11/16/15 00:00	11/16/15 18:29

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35216886001	**EQ Blank 11/16/15**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886002	**B87-6**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886003	**B87-6 Dup**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886004	**B74**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886005	**B75**	EPA 8011	AYF	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886006	**B60**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886007	**B59-1R**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886008	**B59-2R**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886009	**B68**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6020	DRS	2	PASI-O
		EPA 7470	MEW	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35216886010	**Trip Blank 11/16/15**	EPA 8260	SK	50	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216886001	**EQ Blank 11/16/15**					
EPA 6010	Barium	33.0	ug/L	10.0	11/26/15 00:52	
SM 2540C	Total Dissolved Solids	16.0	mg/L	5.0	11/19/15 15:21	
35216886002	**B87-6**					
	Field pH	6.47	Std. Units		11/16/15 11:25	
	Field Temperature	23.36	deg C		11/16/15 11:25	
	Appearance	Color: none, Sheen: none			11/16/15 11:25	
	Field Specific Conductance	607	umhos/cm		11/16/15 11:25	
	Oxygen, Dissolved	2.09	mg/L		11/16/15 11:25	
	REDOX	-88.9	mV		11/16/15 11:25	
	Turbidity	19.04	NTU		11/16/15 11:25	
	Water Level(NGVD)	19.47	feet		11/16/15 11:25	
EPA 6010	Barium	27.2	ug/L	10.0	11/26/15 00:56	
EPA 6010	Chromium	2.7 I	ug/L	5.0	11/26/15 00:56	
EPA 6010	Iron	4000	ug/L	40.0	11/26/15 00:56	
EPA 6010	Sodium	25.4	mg/L	1.0	11/26/15 00:56	
SM 2540C	Total Dissolved Solids	367	mg/L	5.0	11/19/15 15:22	
EPA 300.0	Chloride	28.6	mg/L	5.0	11/18/15 00:04	
EPA 350.1	Nitrogen, Ammonia	0.13	mg/L	0.050	11/18/15 08:12	
35216886003	**B87-6 Dup**					
	Field pH	6.47	Std. Units		11/16/15 11:25	
	Field Temperature	23.36	deg C		11/16/15 11:25	
	Appearance	Color: none, Sheen: none			11/16/15 11:25	
	Field Specific Conductance	607	umhos/cm		11/16/15 11:25	
	Oxygen, Dissolved	2.09	mg/L		11/16/15 11:25	
	REDOX	-81.2	mV		11/16/15 11:25	
	Turbidity	19.04	NTU		11/16/15 11:25	
	Water Level(NGVD)	19.47	feet		11/16/15 11:25	
EPA 6010	Barium	26.7	ug/L	10.0	11/26/15 01:00	
EPA 6010	Chromium	2.6 I	ug/L	5.0	11/26/15 01:00	
EPA 6010	Iron	3950	ug/L	40.0	11/26/15 01:00	
EPA 6010	Sodium	25.2	mg/L	1.0	11/26/15 01:00	
SM 2540C	Total Dissolved Solids	360	mg/L	5.0	11/19/15 15:22	
EPA 300.0	Chloride	28.6	mg/L	5.0	11/18/15 00:24	
EPA 350.1	Nitrogen, Ammonia	0.12	mg/L	0.050	11/18/15 08:14	
35216886004	**B74**					
	Field pH	6.58	Std. Units		11/16/15 12:20	
	Field Temperature	24.02	deg C		11/16/15 12:20	
	Appearance	Color: none, Sheen: none			11/16/15 12:20	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216886004	**B74**					
	Field Specific Conductance	733	umhos/cm		11/16/15 12:20	
	Oxygen, Dissolved	0.17	mg/L		11/16/15 12:20	
	REDOX	-81.7	mV		11/16/15 12:20	
	Turbidity	2.87	NTU		11/16/15 12:20	
	Water Level(NGVD)	29.03	feet		11/16/15 12:20	
EPA 6010	Barium	47.1	ug/L	10.0	11/26/15 01:04	
EPA 6010	Iron	3820	ug/L	40.0	11/26/15 01:04	
EPA 6010	Sodium	43.7	mg/L	1.0	11/26/15 01:04	
SM 2540C	Total Dissolved Solids	433	mg/L	5.0	11/19/15 15:22	
EPA 300.0	Chloride	26.8	mg/L	5.0	11/18/15 00:43	
EPA 350.1	Nitrogen, Ammonia	0.16	mg/L	0.050	11/18/15 08:16	
35216886005	**B75**					
	Field pH	6.21	Std. Units		11/16/15 12:49	
	Field Temperature	25.94	deg C		11/16/15 12:49	
	Appearance	Color: yellow, Sheen: none			11/16/15 12:49	
	Field Specific Conductance	1355	umhos/cm		11/16/15 12:49	
	Oxygen, Dissolved	0.18	mg/L		11/16/15 12:49	
	REDOX	-93.7	mV		11/16/15 12:49	
	Turbidity	7.42	NTU		11/16/15 12:49	
	Water Level(NGVD)	21.62	feet		11/16/15 12:49	
EPA 6010	Arsenic	32.4	ug/L	10.0	11/26/15 01:09	
EPA 6010	Barium	122	ug/L	10.0	11/26/15 01:09	
EPA 6010	Iron	50200	ug/L	40.0	11/26/15 01:09	
EPA 6010	Sodium	61.4	mg/L	1.0	11/26/15 01:09	
SM 2540C	Total Dissolved Solids	776	mg/L	10.0	11/19/15 15:22	
EPA 300.0	Chloride	77.6	mg/L	5.0	11/18/15 01:02	
EPA 350.1	Nitrogen, Ammonia	2.5	mg/L	0.050	11/18/15 08:18	
EPA 353.2	Nitrogen, Nitrate	0.088	mg/L	0.050	11/17/15 15:01	
35216886006	**B60**					
	Field pH	6.35	Std. Units		11/16/15 13:46	
	Field Temperature	25.69	deg C		11/16/15 13:46	
	Appearance	Color: yellow, Sheen:none			11/16/15 13:46	
	Field Specific Conductance	581	umhos/cm		11/16/15 13:46	
	Oxygen, Dissolved	0.10	mg/L		11/16/15 13:46	
	REDOX	-89.1	mV		11/16/15 13:46	
	Turbidity	0.54	NTU		11/16/15 13:46	
	Water Level(NGVD)	26.27	feet		11/16/15 13:46	
EPA 6010	Barium	80.4	ug/L	10.0	11/26/15 01:13	
EPA 6010	Iron	3930	ug/L	40.0	11/26/15 01:13	
EPA 6010	Sodium	52.0	mg/L	1.0	11/26/15 01:13	
SM 2540C	Total Dissolved Solids	293	mg/L	5.0	11/19/15 15:24	
EPA 300.0	Chloride	59.0	mg/L	5.0	11/18/15 01:22	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216886006	**B60**					
EPA 350.1	Nitrogen, Ammonia	1.7	mg/L	0.050	11/18/15 08:23	
35216886007	**B59-1R**					
	Field pH	6.52	Std. Units		11/16/15 14:46	
	Field Temperature	25.39	deg C		11/16/15 14:46	
	Appearance	Color: yellow, Sheen: none			11/16/15 14:46	
	Field Specific Conductance	612	umhos/cm		11/16/15 14:46	
	Oxygen, Dissolved	0.19	mg/L		11/16/15 14:46	
	REDOX	-110.5	mV		11/16/15 14:46	
	Turbidity	4.34	NTU		11/16/15 14:46	
	Water Level(NGVD)	26.12	feet		11/16/15 14:46	
EPA 6010	Barium	66.1	ug/L	10.0	11/26/15 01:17	
EPA 6010	Iron	3980	ug/L	40.0	11/26/15 01:17	
EPA 6010	Sodium	51.1	mg/L	1.0	11/26/15 01:17	
SM 2540C	Total Dissolved Solids	348	mg/L	5.0	11/19/15 15:25	
EPA 300.0	Chloride	55.3	mg/L	5.0	11/18/15 01:41	
EPA 350.1	Nitrogen, Ammonia	1.2	mg/L	0.050	11/18/15 08:32	
EPA 353.2	Nitrogen, Nitrate	0.026 I	mg/L	0.050	11/17/15 14:53	
35216886008	**B59-2R**					
	Field pH	6.33	Std. Units		11/16/15 15:27	
	Field Temperature	25.88	deg C		11/16/15 15:27	
	Appearance	Color: yellow, Sheen: none			11/16/15 15:27	
	Field Specific Conductance	904	umhos/cm		11/16/15 15:27	
	Oxygen, Dissolved	0.27	mg/L		11/16/15 15:27	
	REDOX	-92.5	mV		11/16/15 15:27	
	Turbidity	10.09	NTU		11/16/15 15:27	
	Water Level(NGVD)	26.49	feet		11/16/15 15:27	
EPA 6010	Barium	98.9	ug/L	10.0	11/26/15 01:21	
EPA 6010	Iron	7690	ug/L	40.0	11/26/15 01:21	
EPA 6010	Sodium	42.8	mg/L	1.0	11/26/15 01:21	
SM 2540C	Total Dissolved Solids	570	mg/L	5.0	11/19/15 15:25	
EPA 300.0	Chloride	26.1	mg/L	5.0	11/18/15 02:39	
EPA 350.1	Nitrogen, Ammonia	0.55	mg/L	0.050	11/18/15 08:34	
EPA 353.2	Nitrogen, Nitrate	0.034 I	mg/L	0.050	11/17/15 15:08	
35216886009	**B68**					
	Field pH	5.74	Std. Units		11/16/15 16:15	
	Field Temperature	24.82	deg C		11/16/15 16:15	
	Appearance	Color: yellow, Sheen: none			11/16/15 16:15	
	Field Specific Conductance	1049	umhos/cm		11/16/15 16:15	

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SUMMARY OF DETECTION

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216886009	**B68**					
	Oxygen, Dissolved	0.14	mg/L		11/16/15 16:15	
	REDOX	-93.2	mV		11/16/15 16:15	
	Turbidity	0.69	NTU		11/16/15 16:15	
	Water Level(NGVD)	26.74	feet		11/16/15 16:15	
EPA 6010	Barium	178	ug/L	10.0	11/26/15 01:25	
EPA 6010	Iron	29500	ug/L	40.0	11/26/15 01:25	
EPA 6010	Sodium	29.7	mg/L	1.0	11/26/15 01:25	
SM 2540C	Total Dissolved Solids	712	mg/L	5.0	11/19/15 15:25	
EPA 300.0	Chloride	35.1	mg/L	5.0	11/18/15 03:37	
EPA 350.1	Nitrogen, Ammonia	2.0	mg/L	0.050	11/18/15 08:36	
EPA 353.2	Nitrogen, Nitrate	0.035 I	mg/L	0.050	11/17/15 15:03	

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PROJECT NARRATIVE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Date: December 18, 2015

Per client request, the data for well B8 was removed and a revised report generated.

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: EQ Blank 11/16/15 **Lab ID: 35216886001** Collected: 11/16/15 09:30 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/24/15 21:30	11/25/15 09:55	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062 U**	ug/L	0.010	0.0062	1	11/24/15 21:30	11/25/15 09:55	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:52	7440-38-2	
Barium	**33.0**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:52	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 00:52	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 00:52	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:52	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:52	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:52	7440-50-8	CU
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 00:52	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:52	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:52	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 00:52	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:52	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 00:52	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:52	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 00:52	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:14	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:14	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 14:49	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 08:38	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:38	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 08:38	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 08:38	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:38	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:38	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 08:38	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 08:38	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	95-50-1	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: EQ Blank 11/16/15 **Lab ID: 35216886001** Collected: 11/16/15 09:30 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:38	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 08:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 08:38	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:38	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 08:38	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 08:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:38	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 08:38	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 08:38	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 08:38	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:38	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 08:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		11/27/15 08:38	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/27/15 08:38	17060-07-0	
Toluene-d8 (S)	94	%	87-113		1		11/27/15 08:38	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**16.0**	mg/L	5.0	5.0	1		11/19/15 15:21		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/17/15 23:45	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/18/15 08:09	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/17/15 14:39		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B87-6 **Lab ID: 35216886002** Collected: 11/16/15 11:25 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.47**	Std. Units			1		11/16/15 11:25		
Field Temperature	**23.36**	deg C			1		11/16/15 11:25		
Appearance	**Color: none, Sheen: none**				1		11/16/15 11:25		
Field Specific Conductance	**607**	umhos/cm			1		11/16/15 11:25		
Oxygen, Dissolved	**2.09**	mg/L			1		11/16/15 11:25	7782-44-7	
REDOX	**-88.9**	mV			1		11/16/15 11:25		
Turbidity	**19.04**	NTU			1		11/16/15 11:25		
Water Level(NGVD)	**19.47**	feet			1		11/16/15 11:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/24/15 21:30	11/25/15 10:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/24/15 21:30	11/25/15 10:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:56	7440-38-2	
Barium	**27.2**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:56	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 00:56	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 00:56	7440-43-9	
Chromium	**2.7 I**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:56	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:56	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:56	7440-50-8	CU
Iron	**4000**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 00:56	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:56	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:56	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 00:56	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 00:56	7440-22-4	
Sodium	**25.4**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 00:56	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 00:56	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 00:56	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:17	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 14:51	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 12:00	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:00	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 12:00	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 12:00	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B87-6 **Lab ID: 35216886002** Collected: 11/16/15 11:25 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:00	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:00	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 12:00	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 12:00	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:00	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 12:00	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 12:00	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:00	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 12:00	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 12:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:00	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 12:00	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 12:00	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 12:00	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:00	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 12:00	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/27/15 12:00	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/27/15 12:00	17060-07-0	
Toluene-d8 (S)	95	%	87-113		1		11/27/15 12:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B87-6 **Lab ID: 35216886002** Collected: 11/16/15 11:25 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**367**	mg/L	5.0	5.0	1		11/19/15 15:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**28.6**	mg/L	5.0	2.5	1		11/18/15 00:04	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.13**	mg/L	0.050	0.020	1		11/18/15 08:12	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/17/15 14:44		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B87-6 Dup **Lab ID: 35216886003** Collected: 11/16/15 11:25 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.47**	Std. Units			1		11/16/15 11:25		
Field Temperature	**23.36**	deg C			1		11/16/15 11:25		
Appearance	**Color: none, Sheen: none**				1		11/16/15 11:25		
Field Specific Conductance	**607**	umhos/cm			1		11/16/15 11:25		
Oxygen, Dissolved	**2.09**	mg/L			1		11/16/15 11:25	7782-44-7	
REDOX	**-81.2**	mV			1		11/16/15 11:25		
Turbidity	**19.04**	NTU			1		11/16/15 11:25		
Water Level(NGVD)	**19.47**	feet			1		11/16/15 11:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/24/15 21:30	11/25/15 11:11	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/24/15 21:30	11/25/15 11:11	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:00	7440-38-2	
Barium	**26.7**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:00	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:00	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:00	7440-43-9	
Chromium	**2.6 I**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:00	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:00	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:00	7440-50-8	CU
Iron	**3950**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 01:00	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:00	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:00	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 01:00	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:00	7440-22-4	
Sodium	**25.2**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:00	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:00	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 01:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:20	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:20	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 14:54	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 12:25	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:25	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 12:25	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 12:25	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B87-6 Dup **Lab ID: 35216886003** Collected: 11/16/15 11:25 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:25	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:25	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 12:25	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 12:25	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:25	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 12:25	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 12:25	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:25	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 12:25	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 12:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 12:25	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 12:25	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 12:25	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 12:25	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 12:25	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 12:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/27/15 12:25	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		11/27/15 12:25	17060-07-0	
Toluene-d8 (S)	94	%	87-113		1		11/27/15 12:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B87-6 Dup **Lab ID: 35216886003** Collected: 11/16/15 11:25 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**360**	mg/L	5.0	5.0	1		11/19/15 15:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**28.6**	mg/L	5.0	2.5	1		11/18/15 00:24	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.12**	mg/L	0.050	0.020	1		11/18/15 08:14	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/17/15 14:45		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B74 **Lab ID: 35216886004** Collected: 11/16/15 12:20 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.58**	Std. Units			1		11/16/15 12:20		
Field Temperature	**24.02**	deg C			1		11/16/15 12:20		
Appearance	**Color: none, Sheen: none**				1		11/16/15 12:20		
Field Specific Conductance	**733**	umhos/cm			1		11/16/15 12:20		
Oxygen, Dissolved	**0.17**	mg/L			1		11/16/15 12:20	7782-44-7	
REDOX	**-81.7**	mV			1		11/16/15 12:20		
Turbidity	**2.87**	NTU			1		11/16/15 12:20		
Water Level(NGVD)	**29.03**	feet			1		11/16/15 12:20		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 11:27	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/24/15 21:30	11/25/15 11:27	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:04	7440-38-2	
Barium	**47.1**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:04	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:04	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:04	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:04	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:04	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:04	7440-50-8	CU
Iron	**3820**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 01:04	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:04	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:04	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 01:04	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:04	7440-22-4	
Sodium	**43.7**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:04	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:04	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 01:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:24	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:24	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 14:58	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 08:45	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:45	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 08:45	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 08:45	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B74 **Lab ID: 35216886004** Collected: 11/16/15 12:20 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:45	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:45	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 08:45	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 08:45	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:45	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 08:45	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 08:45	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:45	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 08:45	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 08:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 08:45	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 08:45	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 08:45	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 08:45	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 08:45	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 08:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-114		1		11/27/15 08:45	460-00-4	
1,2-Dichloroethane-d4 (S)	125	%	86-125		1		11/27/15 08:45	17060-07-0	
Toluene-d8 (S)	96	%	87-113		1		11/27/15 08:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B74 **Lab ID: 35216886004** Collected: 11/16/15 12:20 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**433**	mg/L	5.0	5.0	1		11/19/15 15:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**26.8**	mg/L	5.0	2.5	1		11/18/15 00:43	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.16**	mg/L	0.050	0.020	1		11/18/15 08:16	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/17/15 14:47		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B75 **Lab ID: 35216886005** Collected: 11/16/15 12:49 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.21**	Std. Units			1		11/16/15 12:49		
Field Temperature	**25.94**	deg C			1		11/16/15 12:49		
Appearance	**Color: yellow, Sheen: none**				1		11/16/15 12:49		
Field Specific Conductance	**1355**	umhos/cm			1		11/16/15 12:49		
Oxygen, Dissolved	**0.18**	mg/L			1		11/16/15 12:49	7782-44-7	
REDOX	**-93.7**	mV			1		11/16/15 12:49		
Turbidity	**7.42**	NTU			1		11/16/15 12:49		
Water Level(NGVD)	**21.62**	feet			1		11/16/15 12:49		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 11:42	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/24/15 21:30	11/25/15 11:42	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**32.4**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:09	7440-38-2	
Barium	**122**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:09	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:09	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:09	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:09	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:09	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:09	7440-50-8	CU
Iron	**50200**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 01:09	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:09	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:09	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 01:09	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:09	7440-22-4	
Sodium	**61.4**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:09	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:09	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 01:09	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:37	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:37	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 15:07	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 09:10	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:10	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 09:10	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 09:10	75-27-4	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B75 **Lab ID: 35216886005** Collected: 11/16/15 12:49 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:10	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:10	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 09:10	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 09:10	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:10	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 09:10	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 09:10	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:10	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 09:10	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 09:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:10	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 09:10	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 09:10	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 09:10	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:10	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 09:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-114		1		11/27/15 09:10	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	86-125		1		11/27/15 09:10	17060-07-0	
Toluene-d8 (S)	96	%	87-113		1		11/27/15 09:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B75 **Lab ID: 35216886005** Collected: 11/16/15 12:49 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**776**	mg/L	10.0	10.0	1		11/19/15 15:22		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**77.6**	mg/L	5.0	2.5	1		11/18/15 01:02	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**2.5**	mg/L	0.050	0.020	1		11/18/15 08:18	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.088**	mg/L	0.050	0.025	1		11/17/15 15:01		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B60 **Lab ID: 35216886006** Collected: 11/16/15 13:46 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.35**	Std. Units			1		11/16/15 13:46		
Field Temperature	**25.69**	deg C			1		11/16/15 13:46		
Appearance	**Color: yellow, Sheen:none**				1		11/16/15 13:46		
Field Specific Conductance	**581**	umhos/cm			1		11/16/15 13:46		
Oxygen, Dissolved	**0.10**	mg/L			1		11/16/15 13:46	7782-44-7	
REDOX	**-89.1**	mV			1		11/16/15 13:46		
Turbidity	**0.54**	NTU			1		11/16/15 13:46		
Water Level(NGVD)	**26.27**	feet			1		11/16/15 13:46		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/24/15 21:30	11/25/15 11:57	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/24/15 21:30	11/25/15 11:57	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:13	7440-38-2	
Barium	**80.4**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:13	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:13	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:13	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:13	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:13	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:13	7440-50-8	CU
Iron	**3930**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 01:13	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:13	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:13	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 01:13	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:13	7440-22-4	
Sodium	**52.0**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:13	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:13	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 01:13	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:40	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 15:09	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 09:37	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:37	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 09:37	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 09:37	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B60 **Lab ID: 35216886006** Collected: 11/16/15 13:46 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:37	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:37	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 09:37	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 09:37	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:37	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 09:37	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 09:37	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:37	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 09:37	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 09:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 09:37	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 09:37	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 09:37	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 09:37	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 09:37	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 09:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		11/27/15 09:37	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	86-125		1		11/27/15 09:37	17060-07-0	
Toluene-d8 (S)	97	%	87-113		1		11/27/15 09:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B60 **Lab ID: 35216886006** Collected: 11/16/15 13:46 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**293**	mg/L	5.0	5.0	1		11/19/15 15:24		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**59.0**	mg/L	5.0	2.5	1		11/18/15 01:22	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.7**	mg/L	0.050	0.020	1		11/18/15 08:23	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/17/15 14:49		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B59-1R **Lab ID: 35216886007** Collected: 11/16/15 14:46 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.52**	Std. Units			1		11/16/15 14:46		
Field Temperature	**25.39**	deg C			1		11/16/15 14:46		
Appearance	**Color: yellow, Sheen: none**				1		11/16/15 14:46		
Field Specific Conductance	**612**	umhos/cm			1		11/16/15 14:46		
Oxygen, Dissolved	**0.19**	mg/L			1		11/16/15 14:46	7782-44-7	
REDOX	**-110.5**	mV			1		11/16/15 14:46		
Turbidity	**4.34**	NTU			1		11/16/15 14:46		
Water Level(NGVD)	**26.12**	feet			1		11/16/15 14:46		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 12:12	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/24/15 21:30	11/25/15 12:12	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:17	7440-38-2	
Barium	**66.1**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:17	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:17	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:17	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:17	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:17	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:17	7440-50-8	CU
Iron	**3980**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 01:17	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:17	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:17	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 01:17	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:17	7440-22-4	
Sodium	**51.1**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:17	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:17	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 01:17	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:43	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 15:11	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 10:02	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:02	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 10:02	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 10:02	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B59-1R **Lab ID: 35216886007** Collected: 11/16/15 14:46 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:02	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:02	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 10:02	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 10:02	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:02	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 10:02	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 10:02	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:02	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 10:02	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 10:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:02	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 10:02	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 10:02	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 10:02	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:02	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 10:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-114		1		11/27/15 10:02	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	86-125		1		11/27/15 10:02	17060-07-0	
Toluene-d8 (S)	95	%	87-113		1		11/27/15 10:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B59-1R **Lab ID: 35216886007** Collected: 11/16/15 14:46 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**348**	mg/L	5.0	5.0	1		11/19/15 15:25		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**55.3**	mg/L	5.0	2.5	1		11/18/15 01:41	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.2**	mg/L	0.050	0.020	1		11/18/15 08:32	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.026 I**	mg/L	0.050	0.025	1		11/17/15 14:53		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B59-2R **Lab ID: 35216886008** Collected: 11/16/15 15:27 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.33**	Std. Units			1		11/16/15 15:27		
Field Temperature	**25.88**	deg C			1		11/16/15 15:27		
Appearance	**Color: yellow, Sheen: none**				1		11/16/15 15:27		
Field Specific Conductance	**904**	umhos/cm			1		11/16/15 15:27		
Oxygen, Dissolved	**0.27**	mg/L			1		11/16/15 15:27	7782-44-7	
REDOX	**-92.5**	mV			1		11/16/15 15:27		
Turbidity	**10.09**	NTU			1		11/16/15 15:27		
Water Level(NGVD)	**26.49**	feet			1		11/16/15 15:27		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.022	0.0053	1	11/24/15 21:30	11/25/15 12:27	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068 U**	ug/L	0.011	0.0068	1	11/24/15 21:30	11/25/15 12:27	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:21	7440-38-2	
Barium	**98.9**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:21	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:21	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:21	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:21	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:21	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:21	7440-50-8	CU
Iron	**7690**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 01:21	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:21	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:21	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 01:21	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:21	7440-22-4	
Sodium	**42.8**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:21	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:21	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 01:21	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:46	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:46	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 15:13	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 10:27	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:27	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 10:27	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 10:27	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B59-2R **Lab ID: 35216886008** Collected: 11/16/15 15:27 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:27	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:27	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 10:27	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 10:27	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:27	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 10:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 10:27	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:27	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 10:27	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 10:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:27	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 10:27	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 10:27	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 10:27	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:27	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 10:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-114		1		11/27/15 10:27	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	86-125		1		11/27/15 10:27	17060-07-0	
Toluene-d8 (S)	94	%	87-113		1		11/27/15 10:27	2037-26-5	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B59-2R **Lab ID: 35216886008** Collected: 11/16/15 15:27 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**570**	mg/L	5.0	5.0	1		11/19/15 15:25		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**26.1**	mg/L	5.0	2.5	1		11/18/15 02:39	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.55**	mg/L	0.050	0.020	1		11/18/15 08:34	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.034 I**	mg/L	0.050	0.025	1		11/17/15 15:08		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B68 **Lab ID: 35216886009** Collected: 11/16/15 16:15 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.74**	Std. Units			1		11/16/15 16:15		
Field Temperature	**24.82**	deg C			1		11/16/15 16:15		
Appearance	**Color: yellow, Sheen: none**				1		11/16/15 16:15		
Field Specific Conductance	**1049**	umhos/cm			1		11/16/15 16:15		
Oxygen, Dissolved	**0.14**	mg/L			1		11/16/15 16:15	7782-44-7	
REDOX	**-93.2**	mV			1		11/16/15 16:15		
Turbidity	**0.69**	NTU			1		11/16/15 16:15		
Water Level(NGVD)	**26.74**	feet			1		11/16/15 16:15		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/24/15 21:30	11/25/15 13:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/24/15 21:30	11/25/15 13:30	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:25	7440-38-2	
Barium	**178**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:25	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:25	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:25	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:25	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:25	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:25	7440-50-8	CU
Iron	**29500**	ug/L	40.0	20.0	1	11/23/15 12:13	11/26/15 01:25	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:25	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:25	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/23/15 12:13	11/26/15 01:25	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/23/15 12:13	11/26/15 01:25	7440-22-4	
Sodium	**29.7**	mg/L	1.0	0.50	1	11/23/15 12:13	11/26/15 01:25	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/23/15 12:13	11/26/15 01:25	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/23/15 12:13	11/26/15 01:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:52	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/23/15 12:13	11/24/15 17:52	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/23/15 22:15	11/24/15 15:15	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 10:52	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:52	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 10:52	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 10:52	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B68 **Lab ID: 35216886009** Collected: 11/16/15 16:15 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:52	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:52	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 10:52	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 10:52	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:52	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 10:52	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 10:52	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:52	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 10:52	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 10:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 10:52	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 10:52	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 10:52	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 10:52	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 10:52	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 10:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-114		1		11/27/15 10:52	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	86-125		1		11/27/15 10:52	17060-07-0	
Toluene-d8 (S)	95	%	87-113		1		11/27/15 10:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: B68 **Lab ID: 35216886009** Collected: 11/16/15 16:15 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**712**	mg/L	5.0	5.0	1		11/19/15 15:25		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**35.1**	mg/L	5.0	2.5	1		11/18/15 03:37	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**2.0**	mg/L	0.050	0.020	1		11/18/15 08:36	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.035**	I mg/L	0.050	0.025	1		11/17/15 15:03		

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: Trip Blank 11/16/15 **Lab ID: 35216886010** Collected: 11/16/15 00:00 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/27/15 03:41	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 03:41	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/27/15 03:41	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/27/15 03:41	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 03:41	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 03:41	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/27/15 03:41	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 03:41	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/27/15 03:41	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 03:41	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 03:41	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/27/15 03:41	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 03:41	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/27/15 03:41	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/27/15 03:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/27/15 03:41	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/27/15 03:41	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/27/15 03:41	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/27/15 03:41	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/27/15 03:41	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Sample: Trip Blank 11/16/15 **Lab ID: 35216886010** Collected: 11/16/15 00:00 Received: 11/16/15 18:29 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/27/15 03:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-114		1		11/27/15 03:41	460-00-4	J(HS)
1,2-Dichloroethane-d4 (S)	121	%	86-125		1		11/27/15 03:41	17060-07-0	
Toluene-d8 (S)	95	%	87-113		1		11/27/15 03:41	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: MERP/6384 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

METHOD BLANK: 1401727 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/24/15 14:19	

LABORATORY CONTROL SAMPLE: 1401728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401729 1401730

Parameter	Units	35216060003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	1.9	2.0	96	102	75-125	6	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: MPRP/27501 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

METHOD BLANK: 1401196 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/25/15 23:26	
Barium	ug/L	5.0 U	10.0	5.0	11/25/15 23:26	
Beryllium	ug/L	0.50 U	1.0	0.50	11/25/15 23:26	
Cadmium	ug/L	0.50 U	1.0	0.50	11/25/15 23:26	
Chromium	ug/L	2.5 U	5.0	2.5	11/25/15 23:26	
Cobalt	ug/L	5.0 U	10.0	5.0	11/25/15 23:26	
Copper	ug/L	2.5 U	5.0	2.5	11/25/15 23:26	CU
Iron	ug/L	20.0 U	40.0	20.0	11/25/15 23:26	
Lead	ug/L	5.0 U	10.0	5.0	11/25/15 23:26	
Nickel	ug/L	2.5 U	5.0	2.5	11/25/15 23:26	
Selenium	ug/L	7.5 U	15.0	7.5	11/25/15 23:26	
Silver	ug/L	2.5 U	5.0	2.5	11/25/15 23:26	
Sodium	mg/L	0.50 U	1.0	0.50	11/25/15 23:26	
Vanadium	ug/L	5.0 U	10.0	5.0	11/25/15 23:26	
Zinc	ug/L	10.0 U	20.0	10.0	11/25/15 23:26	

LABORATORY CONTROL SAMPLE: 1401197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	248	99	80-120	
Barium	ug/L	250	266	106	80-120	
Beryllium	ug/L	25	26.3	105	80-120	
Cadmium	ug/L	25	26.4	105	80-120	
Chromium	ug/L	250	261	104	80-120	
Cobalt	ug/L	250	268	107	80-120	
Copper	ug/L	250	256	102	80-120	CH
Iron	ug/L	2500	2550	102	80-120	
Lead	ug/L	250	266	106	80-120	
Nickel	ug/L	250	262	105	80-120	
Selenium	ug/L	250	264	105	80-120	
Silver	ug/L	25	26.4	105	80-120	
Sodium	mg/L	12.5	13.6	109	80-120	
Vanadium	ug/L	250	258	103	80-120	
Zinc	ug/L	1250	1300	104	80-120	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401210 1401211

Parameter	Units	35216057002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	244	245	98	98	75-125	0	20	
Barium	ug/L	20.8	250	250	280	280	104	104	75-125	0	20	
Beryllium	ug/L	0.50 U	25	25	25.2	25.8	101	103	75-125	2	20	
Cadmium	ug/L	0.50 U	25	25	25.5	25.9	102	104	75-125	1	20	
Chromium	ug/L	2.5 U	250	250	250	255	100	102	75-125	2	20	
Cobalt	ug/L	5.0 U	250	250	261	263	104	105	75-125	1	20	
Copper	ug/L	2.5 U	250	250	246	252	98	101	75-125	2	20	CH
Iron	ug/L	1520	2500	2500	3950	3970	97	98	75-125	0	20	
Lead	ug/L	5.0 U	250	250	258	260	103	104	75-125	1	20	
Nickel	ug/L	2.5 U	250	250	254	257	102	102	75-125	1	20	
Selenium	ug/L	7.5 U	250	250	241	239	96	96	75-125	1	20	
Silver	ug/L	2.5 U	25	25	25.0	25.5	100	102	75-125	2	20	
Sodium	mg/L	23.2	12.5	12.5	35.7	36.4	100	106	75-125	2	20	
Vanadium	ug/L	5.2 I	250	250	252	256	99	100	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1260	1260	101	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: MPRP/27500 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

METHOD BLANK: 1401192 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/24/15 16:16	
Thallium	ug/L	0.50 U	1.0	0.50	11/24/15 16:16	

LABORATORY CONTROL SAMPLE: 1401193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.8	96	80-120	
Thallium	ug/L	50	49.9	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1401194 1401195

Parameter	Units	35216016001 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	47.5	48.3	95	97	75-125	2	20	
Thallium	ug/L	0.50 U	50	50	51.4	52.5	103	105	75-125	2	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: MSV/16781 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35216886001, 35216886002, 35216886003

METHOD BLANK: 1404880 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/27/15 03:34	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/27/15 03:34	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/27/15 03:34	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/27/15 03:34	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/27/15 03:34	
Acetone	ug/L	10.0 U	20.0	10.0	11/27/15 03:34	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/27/15 03:34	
Benzene	ug/L	0.10 U	1.0	0.10	11/27/15 03:34	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/27/15 03:34	
Bromoform	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/27/15 03:34	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Chloroform	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/27/15 03:34	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/27/15 03:34	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/27/15 03:34	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/27/15 03:34	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/27/15 03:34	
Styrene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Toluene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/27/15 03:34	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/27/15 03:34	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

METHOD BLANK: 1404880 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/27/15 03:34	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/27/15 03:34	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/27/15 03:34	
1,2-Dichloroethane-d4 (S)	%	95	86-125		11/27/15 03:34	
4-Bromofluorobenzene (S)	%	95	70-114		11/27/15 03:34	
Toluene-d8 (S)	%	90	87-113		11/27/15 03:34	

LABORATORY CONTROL SAMPLE: 1404881

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	17.4	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,2-Trichloroethane	ug/L	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	20	17.8	89	70-130	
1,1-Dichloroethene	ug/L	20	17.3	86	70-130	
1,2,3-Trichloropropane	ug/L	20	20.2	101	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	17.3	86	70-130	
1,2-Dichloropropane	ug/L	20	17.6	88	70-130	
1,4-Dichlorobenzene	ug/L	20	20.7	103	70-130	
2-Butanone (MEK)	ug/L	40	32.1	80	55-167	
2-Hexanone	ug/L	40	37.3	93	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.2	98	70-130	
Acetone	ug/L	40	31.7	79	40-150	
Acrylonitrile	ug/L	200	169	85	70-130	
Benzene	ug/L	20	17.7	89	70-130	
Bromochloromethane	ug/L	20	17.7	88	70-130	
Bromodichloromethane	ug/L	20	16.5	83	70-130	
Bromoform	ug/L	20	17.5	87	68-130	
Bromomethane	ug/L	20	15.1	75	38-179	
Carbon disulfide	ug/L	20	15.7	78	51-155	
Carbon tetrachloride	ug/L	20	17.8	89	70-130	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	16.9	85	59-149	
Chloroform	ug/L	20	17.1	85	70-130	
Chloromethane	ug/L	20	15.7	79	68-130	
cis-1,2-Dichloroethene	ug/L	20	17.2	86	70-130	
cis-1,3-Dichloropropene	ug/L	20	15.9	79	70-130	
Dibromochloromethane	ug/L	20	18.5	92	70-130	
Dibromomethane	ug/L	20	16.8	84	70-130	
Ethylbenzene	ug/L	20	19.9	99	70-130	
Iodomethane	ug/L	40	32.8	82	43-160	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

LABORATORY CONTROL SAMPLE: 1404881

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	18.2	91	70-130	
Styrene	ug/L	20	21.1	106	70-130	
Tetrachloroethene	ug/L	20	26.6	133	66-133	
Toluene	ug/L	20	19.9	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.6	88	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.4	92	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	14.7	73	65-130	
Trichloroethene	ug/L	20	18.4	92	70-130	
Trichlorofluoromethane	ug/L	20	17.5	88	70-131	
Vinyl acetate	ug/L	20	15.7	78	69-135	
Vinyl chloride	ug/L	20	17.4	87	69-140	
Xylene (Total)	ug/L	60	60.2	100	70-130	
1,2-Dichloroethane-d4 (S)	%			97	86-125	
4-Bromofluorobenzene (S)	%			94	70-114	
Toluene-d8 (S)	%			93	87-113	

MATRIX SPIKE SAMPLE: 1404883

Parameter	Units	35216886002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	19.6	98	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	17.6	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.0	95	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.1	91	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	17.6	88	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	17.0	85	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	19.3	97	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.3	81	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	16.8	84	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	18.9	94	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	25.7	64	70-130	
2-Hexanone	ug/L	5.0 U	40	32.2	80	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	33.9	85	70-130	
Acetone	ug/L	10.0 U	40	25.4	64	70-130	
Acrylonitrile	ug/L	5.0 U	200	155	77	70-130	
Benzene	ug/L	0.10 U	20	18.5	92	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.3	96	70-130	
Bromodichloromethane	ug/L	0.27 U	20	14.3	72	70-130	
Bromoform	ug/L	0.50 U	20	13.2	66	70-130	
Bromomethane	ug/L	0.50 U	20	12.2	61	70-130	
Carbon disulfide	ug/L	5.0 U	20	13.1	66	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	18.2	91	70-130	
Chlorobenzene	ug/L	0.50 U	20	19.4	97	70-130	
Chloroethane	ug/L	0.50 U	20	16.7	84	70-130	
Chloroform	ug/L	0.50 U	20	16.1	80	70-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

MATRIX SPIKE SAMPLE: 1404883

Parameter	Units	35216886002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	11.6	58	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	16.8	84	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	14.6	73	70-130	
Dibromochloromethane	ug/L	0.26 U	20	15.7	78	70-130	
Dibromomethane	ug/L	0.50 U	20	16.8	84	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.2	96	70-130	
Iodomethane	ug/L	0.50 U	40	27.2	68	70-130	
Methylene Chloride	ug/L	2.5 U	20	17.2	86	70-130	
Styrene	ug/L	0.50 U	20	19.6	98	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.9	85	70-130	
Toluene	ug/L	0.50 U	20	20.0	100	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	17.3	86	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	15.7	79	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	7.4 I	37	70-130	
Trichloroethene	ug/L	0.50 U	20	17.4	87	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	16.9	85	70-130	
Vinyl acetate	ug/L	1.0 U	20	11.5	58	70-130	
Vinyl chloride	ug/L	0.50 U	20	16.4	82	70-130	
Xylene (Total)	ug/L	0.50 U	60	57.8	96	70-130	
1,2-Dichloroethane-d4 (S)	%				101	86-125	
4-Bromofluorobenzene (S)	%				97	70-114	
Toluene-d8 (S)	%				91	87-113	

SAMPLE DUPLICATE: 1404882

Parameter	Units	35216885002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50 U		40	
1,1,1-Trichloroethane	ug/L	<0.50	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	<0.12	0.12 U		40	
1,1,2-Trichloroethane	ug/L	<0.50	0.50 U		40	
1,1-Dichloroethane	ug/L	<0.50	0.50 U		40	
1,1-Dichloroethene	ug/L	<0.50	0.50 U		40	
1,2,3-Trichloropropane	ug/L	<0.59	0.59 U		40	
1,2-Dichlorobenzene	ug/L	<0.50	0.50 U		40	
1,2-Dichloroethane	ug/L	<0.50	0.50 U		40	
1,2-Dichloropropane	ug/L	<0.50	0.50 U		40	
1,4-Dichlorobenzene	ug/L	<0.50	0.50 U		40	
2-Butanone (MEK)	ug/L	<5.0	5.0 U		40	
2-Hexanone	ug/L	<5.0	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0 U		40	
Acetone	ug/L	<10.0	10.0 U		40	
Acrylonitrile	ug/L	<5.0	5.0 U		40	
Benzene	ug/L	<0.10	0.10 U		40	
Bromochloromethane	ug/L	<0.50	0.50 U		40	
Bromodichloromethane	ug/L	<0.27	0.27 U		40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

SAMPLE DUPLICATE: 1404882

Parameter	Units	35216885002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	<0.50	0.50 U		40	
Bromomethane	ug/L	<0.50	0.50 U		40	
Carbon disulfide	ug/L	<5.0	5.0 U		40	
Carbon tetrachloride	ug/L	<0.50	0.50 U		40	
Chlorobenzene	ug/L	<0.50	0.50 U		40	
Chloroethane	ug/L	<0.50	0.50 U		40	
Chloroform	ug/L	<0.50	0.50 U		40	
Chloromethane	ug/L	<0.62	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	<0.50	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	<0.25	0.25 U		40	
Dibromochloromethane	ug/L	<0.26	0.26 U		40	
Dibromomethane	ug/L	<0.50	0.50 U		40	
Ethylbenzene	ug/L	<0.50	0.50 U		40	
Iodomethane	ug/L	<0.50	0.50 U		40	
Methylene Chloride	ug/L	<2.5	2.5 U		40	
Styrene	ug/L	<0.50	0.50 U		40	
Tetrachloroethene	ug/L	<0.50	0.50 U		40	
Toluene	ug/L	<0.50	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	<0.50	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	<0.25	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	<5.0	5.0 U		40	
Trichloroethene	ug/L	<0.50	0.50 U		40	
Trichlorofluoromethane	ug/L	<0.50	0.50 U		40	
Vinyl acetate	ug/L	<1.0	1.0 U		40	
Vinyl chloride	ug/L	<0.50	0.50 U		40	
Xylene (Total)	ug/L	<0.50	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	98	97	2	40	
4-Bromofluorobenzene (S)	%	96	94	2	40	
Toluene-d8 (S)	%	94	91	4	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: MSV/16782 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009, 35216886010

METHOD BLANK: 1404884 Matrix: Water
Associated Lab Samples: 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009, 35216886010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/27/15 03:16	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/27/15 03:16	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	11/27/15 03:16	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/27/15 03:16	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/27/15 03:16	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/27/15 03:16	
Acetone	ug/L	10.0 U	20.0	10.0	11/27/15 03:16	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/27/15 03:16	
Benzene	ug/L	0.10 U	1.0	0.10	11/27/15 03:16	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/27/15 03:16	
Bromoform	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/27/15 03:16	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Chloroform	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/27/15 03:16	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/27/15 03:16	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/27/15 03:16	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/27/15 03:16	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/27/15 03:16	
Styrene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Toluene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/27/15 03:16	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

METHOD BLANK: 1404884 Matrix: Water
Associated Lab Samples: 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009, 35216886010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/27/15 03:16	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/27/15 03:16	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/27/15 03:16	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/27/15 03:16	
1,2-Dichloroethane-d4 (S)	%	121	86-125		11/27/15 03:16	
4-Bromofluorobenzene (S)	%	93	70-114		11/27/15 03:16	
Toluene-d8 (S)	%	95	87-113		11/27/15 03:16	

LABORATORY CONTROL SAMPLE: 1404885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.5	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.0	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.0	90	70-130	
1,1,2-Trichloroethane	ug/L	20	18.9	95	70-130	
1,1-Dichloroethane	ug/L	20	18.1	91	70-130	
1,1-Dichloroethene	ug/L	20	19.9	100	70-130	
1,2,3-Trichloropropane	ug/L	20	20.4	102	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.9	90	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	18.4	92	70-130	
1,2-Dichlorobenzene	ug/L	20	19.7	99	70-130	
1,2-Dichloroethane	ug/L	20	20.3	102	70-130	
1,2-Dichloropropane	ug/L	20	17.2	86	70-130	
1,4-Dichlorobenzene	ug/L	20	20.1	100	70-130	
2-Butanone (MEK)	ug/L	40	33.5	84	55-167	
2-Hexanone	ug/L	40	34.8	87	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.1	93	70-130	
Acetone	ug/L	40	37.0	92	40-150	
Acrylonitrile	ug/L	200	168	84	70-130	
Benzene	ug/L	20	17.8	89	70-130	
Bromochloromethane	ug/L	20	18.1	90	70-130	
Bromodichloromethane	ug/L	20	18.4	92	70-130	
Bromoform	ug/L	20	16.6	83	68-130	
Bromomethane	ug/L	20	18.9	95	38-179	
Carbon disulfide	ug/L	20	17.7	88	51-155	
Carbon tetrachloride	ug/L	20	20.1	100	70-130	
Chlorobenzene	ug/L	20	19.0	95	70-130	
Chloroethane	ug/L	20	17.4	87	59-149	
Chloroform	ug/L	20	18.9	95	70-130	
Chloromethane	ug/L	20	20.1	101	68-130	
cis-1,2-Dichloroethene	ug/L	20	17.7	89	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

LABORATORY CONTROL SAMPLE: 1404885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	20	17.6	88	70-130	
Dibromomethane	ug/L	20	17.9	90	70-130	
Ethylbenzene	ug/L	20	19.8	99	70-130	
Iodomethane	ug/L	40	39.8	100	43-160	
Methylene Chloride	ug/L	20	19.8	99	70-130	
Styrene	ug/L	20	18.5	93	70-130	
Tetrachloroethene	ug/L	20	25.0	125	66-133	
Toluene	ug/L	20	19.3	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.9	95	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.3	92	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.5	88	65-130	
Trichloroethene	ug/L	20	18.8	94	70-130	
Trichlorofluoromethane	ug/L	20	21.5	108	70-131	
Vinyl acetate	ug/L	20	17.3	86	69-135	
Vinyl chloride	ug/L	20	18.9	95	69-140	
Xylene (Total)	ug/L	60	61.3	102	70-130	
1,2-Dichloroethane-d4 (S)	%			110	86-125	
4-Bromofluorobenzene (S)	%			94	70-114	
Toluene-d8 (S)	%			94	87-113	

MATRIX SPIKE SAMPLE: 1404886

Parameter	Units	35216899003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	17.7	89	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	22.1	110	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	16.5	82	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	16.8	84	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	17.0	85	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	22.0	110	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	19.2	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	15.3	77	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	17.6	88	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.2	96	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	19.8	99	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	17.0	85	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.3	96	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	25.4	64	70-130	J(M1)
2-Hexanone	ug/L	5.0 U	40	28.8	72	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	30.9	77	70-130	
Acetone	ug/L	10.0 U	40	30.1	75	70-130	
Acrylonitrile	ug/L	5.0 U	200	144	72	70-130	
Benzene	ug/L	0.10 U	20	18.7	94	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.4	97	70-130	
Bromodichloromethane	ug/L	0.27 U	20	15.8	79	70-130	
Bromoform	ug/L	0.50 U	20	14.4	72	70-130	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

MATRIX SPIKE SAMPLE: 1404886

Parameter	Units	35216899003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	0.50 U	20	17.3	87	70-130	
Carbon disulfide	ug/L	5.0 U	20	15.9	79	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	21.6	108	70-130	
Chlorobenzene	ug/L	0.50 U	20	18.7	93	70-130	
Chloroethane	ug/L	0.50 U	20	13.7	68	70-130	J(M1)
Chloroform	ug/L	0.50 U	20	17.1	86	70-130	
Chloromethane	ug/L	0.62 U	20	20.3	102	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	17.7	89	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	15.2	76	70-130	
Dibromochloromethane	ug/L	0.26 U	20	15.4	77	70-130	
Dibromomethane	ug/L	0.50 U	20	17.4	87	70-130	
Ethylbenzene	ug/L	0.50 U	20	20.1	101	70-130	
Iodomethane	ug/L	0.50 U	40	41.9	105	70-130	
Methylene Chloride	ug/L	2.5 U	20	18.9	95	70-130	
Styrene	ug/L	0.50 U	20	17.5	87	70-130	
Tetrachloroethene	ug/L	0.50 U	20	16.7	83	70-130	
Toluene	ug/L	0.50 U	20	19.3	96	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	19.8	99	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	17.5	87	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	16.7	84	70-130	
Trichloroethene	ug/L	0.50 U	20	18.8	94	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	24.3	121	70-130	
Vinyl acetate	ug/L	1.0 U	20	12.5	62	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	17.7	88	70-130	
Xylene (Total)	ug/L	0.50 U	60	59.8	100	70-130	
1,2-Dichloroethane-d4 (S)	%				113	86-125	
4-Bromofluorobenzene (S)	%				96	70-114	
Toluene-d8 (S)	%				94	87-113	

SAMPLE DUPLICATE: 1404887

Parameter	Units	35216899008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

SAMPLE DUPLICATE: 1404887

Parameter	Units	35216899008 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	122	125	3	40	
4-Bromofluorobenzene (S)	%	93	90	3	40	
Toluene-d8 (S)	%	96	95	0	40	

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REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: OEXT/25427 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

METHOD BLANK: 1401795 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/25/15 09:24	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/25/15 09:24	

LABORATORY CONTROL SAMPLE: 1401796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.26	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	104	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1402790 1402791

Parameter	Units	35216886001 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	0.0049 U	.44	.44	0.47	0.47	108	108	60-140	0	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.50	0.49	114	113	60-140	0	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: WET/34239 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

METHOD BLANK: 1397525 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/19/15 15:21	

LABORATORY CONTROL SAMPLE: 1397526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	291	97	90-110	

SAMPLE DUPLICATE: 1398293

Parameter	Units	35216886005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	776	740	5	5	

SAMPLE DUPLICATE: 1398294

Parameter	Units	35216886009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	712	712	0	5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: WETA/52209 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

METHOD BLANK: 1394744 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006, 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/17/15 21:29	

LABORATORY CONTROL SAMPLE: 1394745

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396484 1396485

Parameter	Units	35216883002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	25.0	50	50	74.8	75.1	100	100	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396486 1396487

Parameter	Units	35216886008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	26.1	50	50	75.3	75.5	98	99	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: WETA/52225 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005

METHOD BLANK: 1395965 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/18/15 07:26	

LABORATORY CONTROL SAMPLE: 1395966

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

MATRIX SPIKE SAMPLE: 1395968

Parameter	Units	35216844001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.72	1	1.8	105	90-110	

SAMPLE DUPLICATE: 1395967

Parameter	Units	35216844001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.72	0.74	2	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: WETA/52226 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35216886006, 35216886007, 35216886008, 35216886009

METHOD BLANK: 1395969 Matrix: Water
Associated Lab Samples: 35216886006, 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/18/15 08:20	

LABORATORY CONTROL SAMPLE: 1395970

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

MATRIX SPIKE SAMPLE: 1395972

Parameter	Units	35216886006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1.7	1	2.7	100	90-110	

SAMPLE DUPLICATE: 1395971

Parameter	Units	35216886006 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	1.7	1.7	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: WETA/52219 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006

METHOD BLANK: 1394985 Matrix: Water
Associated Lab Samples: 35216886001, 35216886002, 35216886003, 35216886004, 35216886005, 35216886006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/17/15 14:03	

SAMPLE DUPLICATE: 1394987

Parameter	Units	35216825001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	33.6	33.4	1	20	

SAMPLE DUPLICATE: 1394989

Parameter	Units	35216883004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	<0.025	0.025 U		20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

QC Batch: WETA/52220 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35216886007, 35216886008, 35216886009

METHOD BLANK: 1394992 Matrix: Water
Associated Lab Samples: 35216886007, 35216886008, 35216886009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/17/15 14:50	

SAMPLE DUPLICATE: 1394994

Parameter	Units	35216886007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.026 I	0.025 I		20	

SAMPLE DUPLICATE: 1394996

Parameter	Units	35216899007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	4.0	4.0	1	20	

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QUALIFIERS

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CU	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216886002	**B87-6**		FLD/		
35216886003	**B87-6 Dup**		FLD/		
35216886004	**B74**		FLD/		
35216886005	**B75**		FLD/		
35216886006	**B60**		FLD/		
35216886007	**B59-1R**		FLD/		
35216886008	**B59-2R**		FLD/		
35216886009	**B68**		FLD/		
35216886001	**EQ Blank 11/16/15**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886002	**B87-6**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886003	**B87-6 Dup**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886004	**B74**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886005	**B75**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886006	**B60**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886007	**B59-1R**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886008	**B59-2R**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886009	**B68**	EPA 8011	OEXT/25427	EPA 8011	GCSV/16549
35216886001	**EQ Blank 11/16/15**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886002	**B87-6**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886003	**B87-6 Dup**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886004	**B74**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886005	**B75**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886006	**B60**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886007	**B59-1R**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886008	**B59-2R**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886009	**B68**	EPA 3010	MPRP/27501	EPA 6010	ICP/16560
35216886001	**EQ Blank 11/16/15**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886002	**B87-6**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886003	**B87-6 Dup**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886004	**B74**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886005	**B75**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886006	**B60**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886007	**B59-1R**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886008	**B59-2R**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886009	**B68**	EPA 3010	MPRP/27500	EPA 6020	ICPM/11208
35216886001	**EQ Blank 11/16/15**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886002	**B87-6**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886003	**B87-6 Dup**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886004	**B74**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886005	**B75**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886006	**B60**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886007	**B59-1R**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886008	**B59-2R**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886009	**B68**	EPA 7470	MERP/6384	EPA 7470	MERC/6367
35216886001	**EQ Blank 11/16/15**	EPA 8260	MSV/16781		
35216886002	**B87-6**	EPA 8260	MSV/16781		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-annual LF
Pace Project No.: 35216886

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216886003	**B87-6 Dup**	EPA 8260	MSV/16781		
35216886004	**B74**	EPA 8260	MSV/16782		
35216886005	**B75**	EPA 8260	MSV/16782		
35216886006	**B60**	EPA 8260	MSV/16782		
35216886007	**B59-1R**	EPA 8260	MSV/16782		
35216886008	**B59-2R**	EPA 8260	MSV/16782		
35216886009	**B68**	EPA 8260	MSV/16782		
35216886010	**Trip Blank 11/16/15**	EPA 8260	MSV/16782		
35216886001	**EQ Blank 11/16/15**	SM 2540C	WET/34239		
35216886002	**B87-6**	SM 2540C	WET/34239		
35216886003	**B87-6 Dup**	SM 2540C	WET/34239		
35216886004	**B74**	SM 2540C	WET/34239		
35216886005	**B75**	SM 2540C	WET/34239		
35216886006	**B60**	SM 2540C	WET/34239		
35216886007	**B59-1R**	SM 2540C	WET/34239		
35216886008	**B59-2R**	SM 2540C	WET/34239		
35216886009	**B68**	SM 2540C	WET/34239		
35216886001	**EQ Blank 11/16/15**	EPA 300.0	WETA/52209		
35216886002	**B87-6**	EPA 300.0	WETA/52209		
35216886003	**B87-6 Dup**	EPA 300.0	WETA/52209		
35216886004	**B74**	EPA 300.0	WETA/52209		
35216886005	**B75**	EPA 300.0	WETA/52209		
35216886006	**B60**	EPA 300.0	WETA/52209		
35216886007	**B59-1R**	EPA 300.0	WETA/52209		
35216886008	**B59-2R**	EPA 300.0	WETA/52209		
35216886009	**B68**	EPA 300.0	WETA/52209		
35216886001	**EQ Blank 11/16/15**	EPA 350.1	WETA/52225		
35216886002	**B87-6**	EPA 350.1	WETA/52225		
35216886003	**B87-6 Dup**	EPA 350.1	WETA/52225		
35216886004	**B74**	EPA 350.1	WETA/52225		
35216886005	**B75**	EPA 350.1	WETA/52225		
35216886006	**B60**	EPA 350.1	WETA/52226		
35216886007	**B59-1R**	EPA 350.1	WETA/52226		
35216886008	**B59-2R**	EPA 350.1	WETA/52226		
35216886009	**B68**	EPA 350.1	WETA/52226		
35216886001	**EQ Blank 11/16/15**	EPA 353.2	WETA/52219		
35216886002	**B87-6**	EPA 353.2	WETA/52219		
35216886003	**B87-6 Dup**	EPA 353.2	WETA/52219		
35216886004	**B74**	EPA 353.2	WETA/52219		
35216886005	**B75**	EPA 353.2	WETA/52219		
35216886006	**B60**	EPA 353.2	WETA/52219		
35216886007	**B59-1R**	EPA 353.2	WETA/52220		
35216886008	**B59-2R**	EPA 353.2	WETA/52220		
35216886009	**B68**	EPA 353.2	WETA/52220		

REPORT OF LABORATORY ANALYSIS

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WO# : 35216886

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Page: 1 of 1

1871856

Section A
Required Client Information:

Company: Volusia County Solid Waste	
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name: Tomoka LF Semi Annual Mw	
Project Number:	

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: TDS, NO3, Cl	Acetic Gro, 6020, Mn	Ammon. N	Fe, Mn, Sol	8260 VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ					11-16-15	9:30												Y	Y	Y	Y	Y		
2	B 87-6					"	1125																		
3	Duplicate						1125																		
4	B 74 A						1220																		
5	B75						1249																		
6	B60						1346																		
7	B 59-1						1446																		
8	B 59-2						1527																		
9	B 68						1615																		
10	Trip Blank						0000																		
11																								BS-1 11/16/15 17:25	
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		11-16-15	1820	TDH	1836	11/16/15	
							1.1
							T200

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Y	N	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID TAYLOR

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 11-16-15

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual GWS
WELL NO:	8	SAMPLE ID:	EO
DATE:	11-16-15		

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:	SAMPLING ENDED AT: 930
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE 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	BPP	< 100
	1	1	250	HNO_3			Gold 6010	|	|
	1		250	H_2SO_4			Ammonia	|	|
	2	C6	40	ICE			EDB 8011	|	|
	3	1	40	HCl			8260 VOCs	|	|

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: 1	SAMPLE ID: B87-6 / Duplicate	DATE: 11-16-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.35	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)
= (53.2 feet – 10.35 feet) X 0.16 gallons/foot = 6.856 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: 1015	PURGING ENDED AT: 1112	TOTAL VOLUME PURGED (gallons): 12.40

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)
1050	7.00	7.00	0.20	10.51	6.48	23.58	.583	1.88	19.54	CLEAR	NONE
1059	1.80	9.80	0.20	10.51	6.50	23.40	581	2.07	13.82	"	"
1108	1.80	11.60	0.20	10.51	6.48	23.35	598	2.08	17.06	"	"
1117	1.80	12.70	0.20	10.51	6.47	23.36	607	2.09	19.04	"	"

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: 1117	SAMPLING ENDED AT: 1125
PUMP OR TUBING DEPTH IN WELL (feet): 11	TUBING MATERIAL CODE: PE S	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING (Y) N (replaced)	DUPLICATE: (Y) ~~N~~ DS	

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		6.47	TDS, NO3, Cl	APP	< 400
	1		250	HNO3		< 2	~~8260~~ 6010, 6020		
	1		250	H2SO4		< 2	Ammonia		
	2	CG	40	ICE		6.47	TOB 8011		
	3		40	HCl		< 2	8260 VOCs		

REMARKS:
ORP -89.1 ORP -88.0 ORP -83.7 ORP -81.2

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MW's
WELL NO:	2	SAMPLE ID:	B24A
DATE:	11-16-5		

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		5.01	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (33.15 feet – 5.01 feet) X 0.16 gallons/foot = 4.5024 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	8	1135	1216	8.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1158	4.60	4.60	0.20	6.90	6.59	24.30	6.85	0.46	13.30	CLEAR	SULFER
1204	1.20	5.80	0.20	6.95	6.58	24.15	710	0.41	8.21	"	"
1210	1.20	7.00	0.20	6.98	6.59	24.11	725	0.23	5.17	"	"
1216	1.20	8.20	0.20	6.98	6.58	24.02	733	0.17	2.87	"	"

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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICK / PACE		1216	1220

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
8	PE, 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		6.58	TDS, NO3, Cl	APP	.2406
	1	"	250	HNO3		<2	6010 6020	"	"
	1	"	250	H2SO4		<2	AMMONIA	"	"
	2	CG	40	ICE		6.58	EDB 8011	"	"
	3	1	40	HCl		<2	8260 VOCs	"	"

REMARKS:
ORP -69.3 ORP -77.4 ORP -80.8 ORP -81.7

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's	
WELL NO:	4	SAMPLE ID:	B 60	DATE: 11-16-15

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		6.75	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 – 6.75 feet) X 0.16 gallons/foot = 4.64 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	1300	1342	8.40

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)
1324	4.80	4.80	0.20	7.80	6.51	25.92	556	0.20	0.14	Yellow	SULFUR
1330	1.20	6.00	0.20	7.81	6.48	25.65	576	0.16	1.92		
1336	1.20	7.20	0.20	7.81	6.42	25.59	581	0.13	0.57		
1342	1.20	8.40	0.20	7.81	6.35	25.69	581	0.10	0.54		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
DAVID ICE / PACE		1342	1346

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
8	PE, 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		6.35	TDS, NO3, Cl	APP	< 400
	1	|	250	HNO3		< 2	6010, 6020	|	|
	1	|	250	H2SO4		< 2	Ammonia	|	|
	2	CG	40	ICE		6.35	EDB 8011	|	|
	3	|	40	HCl		< 2	8260 VOCs	|	|

REMARKS:
ORP -114.7 ORP -99.3 ORP -89.1

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 Mws
WELL NO:	3	SAMPLE ID:	B25
DATE:	11-16-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.5	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)
= (21.00 feet – 10.5 feet) X 0.16 gallons/foot = 1.68 gallons

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	11	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	11	PURGING INITIATED AT:	1230	PURGING ENDED AT:	1245	TOTAL VOLUME PURGED (gallons):	3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1239	1.80	1.80	0.20	10.66	6.20	25.88	1355	0.42	9.38	Yellow	Sulfur
1242	0.60	2.40	0.20	10.68	6.21	25.93	1356	0.29	7.90		
1245	0.60	3.00	0.20	10.70	6.21	25.94	1355	0.18	7.42	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:	1245	SAMPLING ENDED AT:	1248
PUMP OR TUBING DEPTH IN WELL (feet):	11	TUBING MATERIAL CODE:	PE, 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		6.21	TDS, NO3, Cl	APP	< 400
	1	/	250	HNO_3		< 2	6010, 6020	/	/
	1	/	1	H_2SO_4		< 2	Ammonia	/	/
	2	CG	40	ICE		6.21	EPA 8011	/	/
	3	/	/	HCl		< 2	8260 VOCs	/	/

REMARKS:
ORP -83.5 ORP -86.7 ORP -93.2

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)

FS 2200-2, 74

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste | SITE LOCATION: Tomoka LF

WELL NO: 5 | SAMPLE ID: B59-1 | DATE: 11-16-15

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 6.45 | 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)

= (35.05 feet − 6.45 feet) X 0.16 gallons/foot = 4.576 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: 1355 | PURGING ENDED AT: 1442 | TOTAL VOLUME PURGED (gallons): 9.40

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)
					6.66						
1418	4.60	4.60	0.20	7.51	~~7.60~~ DUP	25.86	550	1.33	6.29	Yellow	Sulfur
1424	1.20	5.80	0.20	7.56	6.57	25.58	578	0.75	6.10		
1430	1.20	7.00	0.20	7.59	6.53	25.49	604	0.31	6.71		
1436	1.20	8.20	0.20	7.62	6.53	25.43	609	0.22	5.12		
1442	1.20	9.40	0.20	7.66	6.52	25.39	612	0.19	4.34		

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: 1442 | SAMPLING ENDED AT: 1446

PUMP OR TUBING DEPTH IN WELL (feet): 8 | TUBING MATERIAL CODE: PE, 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	—	6.52	TDS, NO3, Cl	APP	< 400
	1	|	250	HNO3		<2	COLD 6020	|	|
	1	|	250	H2SO4		<2	AMMONIA	|	|
	2	CG	40	ICE		6.52	RDB - 8011	|	|
	3	|	40	HCL		<2	8260 VOC's	|	|

REMARKS:

ORP -94.0 ORP -95.9 ORP -102.9 ORP -107.3 ORP -110.5

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 Semi Annual MW's
WELL NO:	6	SAMPLE ID:	B59-2
		DATE:	11-16-15

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:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (21.85 feet – 6.72 feet) X 0.16 gallons/foot = 2.4208 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:	1450	PURGING ENDED AT:	1523	TOTAL VOLUME PURGED (gallons):	6.60

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)
1503	2.60	2.60	0.20	7.43	6.39	2584	858	0.13	74.29	Yellow	SULFER
1507	0.80	3.40	0.20	7.45	6.37	2584	877	0.11	74.79	"	"
1511	0.80	4.20	0.20	7.45	6.36	2584	882	0.12	32.24	"	"
1515	0.80	5.00	0.20	7.45	6.34	2589	892	0.42	20.80	"	"
1519	0.80	5.80	0.20	7.45	6.34	2588	898	0.89	12.97	"	"
1523	0.80	6.60	0.20	7.45	6.33	2588	904	0.97	10.09	"	"

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):		SAMPLING INITIATED AT:	1523	SAMPLING ENDED AT:	1527
PUMP OR TUBING DEPTH IN WELL (feet):	8	TUBING MATERIAL CODE:	PE, 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		6.33	TDS, NO3, Cl	APP	< 400
	1	"	250	H_2SO_4		<2	6010 6020	"	"
	1	"	1	H_2SO_4		<2	AMMONIA	"	"
	2	CG	40	ICE		6.33	EOB 8011	"	"
	3	CG	1	HCL		<2	8260 VOCs	"	"

REMARKS:
ORP -82.7 ORP -90.6 ORP -90.9 ORP -90.9 -92.5

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 Semi Annual MW's		
WELL NO: 7	SAMPLE ID: B.68	DATE: 11-16-15	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 6.50	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)
= (35.72 feet – 6.50 feet) X 0.16 gallons/foot = 4.6752 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): 9	PURGING INITIATED AT: 1535	PURGING ENDED AT: 1611	TOTAL VOLUME PURGED (gallons): 7.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1559	4.80	4.80	0.20	8.36	5.79	24.95	1080	1.12	2.77	Yellow	SLFR
1605	1.20	6.00	0.20	8.36	5.75	24.85	1065	0.30	2.12	"	"
1611	1.20	7.20	0.20	8.36	5.74	24.82	1049	0.14	0.69	"	"

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 ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1611	SAMPLING ENDED AT: 1615
PUMP OR TUBING DEPTH IN WELL (feet): 9	TUBING MATERIAL CODE: PE, 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		5.74	TDS, NO3, Cl	APP	400
	1	1	250	HNO3		<2	6010 6020	|	|
	1	|	1	H2SO4		<2	Ammonia	|	|
	2	CG	40	ICE		5.74	RSK 8011	|	|
	3	CG	1	HCL		<2	8260 VOCs	|	|

REMARKS:
ORP -82.6 ORP -86.3 ORP -93.2

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	
WELL NO: 8	SAMPLE ID: B8-1	DATE: 11-16-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 13.35	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)
= (47.82 feet – 13.35 feet) X 0.16 gallons/foot = 5.5152 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): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1625	PURGING ENDED AT: 1721	TOTAL VOLUME PURGED (gallons): 11.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1653	5.60	5.60	0.20	13.39	6.54	26.64	.743	0.56	2.64	Yellow	Sulfur
1700	1.40	7.00	0.20	13.46	6.52	26.68	740	0.21	1.36	"	"
1707	1.40	8.40	0.20	13.46	6.52	25.54	737	0.12	0.76	"	"
1714	1.40	9.80	0.20	13.46	6.51	25.44	734	0.10	0.87	"	"
1721	1.40	11.20	0.20	13.46	6.52	25.33	733	0.10	0.99	"	"

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: 1721	SAMPLING ENDED AT: 1725
PUMP OR TUBING DEPTH IN WELL (feet): 15	TUBING MATERIAL CODE: PE, 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	HNO_3		<2	6010 6020	"	"
	1	"	1	H_2SO_4		<2	AMMONIA	"	"
	2	CG	40	ICE			EDB 8011	"	"
	3	"	1	HCL		<2	8260 VOC's	"	"

REMARKS:
ORP -95.7 ORP -110.6 ORP -131.9 ORP -142.2 ORP -150.4

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia Co. Project # 35216886

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

Tracking # _____

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

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

Thermometer Used T200 Type of Ice: (Wet) Blue None

Cooler Temperature °C 0.4 (Visual) 0 (Correction Factor) 0.4 (Actual)

1.1 0.3 1.1 0.3

Date and Initials of person examining contents: 11/16/15 TH

1820

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): Sample "BB-1" collected 11/16/15 at 17:25 is not on COC, received 4ux date.

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

November 25, 2015

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

RE: Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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CERTIFICATIONS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

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

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SAMPLE SUMMARY

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35216428001	**EQ Blank 11/12/15**	Water	11/12/15 12:00	11/12/15 17:00
35216428002	**B40-1**	Water	11/12/15 13:00	11/12/15 17:00
35216428003	**B40-1 DUP**	Water	11/12/15 13:00	11/12/15 17:00
35216428004	**B40-2**	Water	11/12/15 13:29	11/12/15 17:00
35216428005	**B65**	Water	11/12/15 14:10	11/12/15 17:00
35216428006	**MO5-B**	Water	11/12/15 15:04	11/12/15 17:00
35216428007	**B85**	Water	11/12/15 16:25	11/12/15 17:00
35216428008	**TRIP BLANK 11/12/15**	Water	11/12/15 00:00	11/12/15 17:00

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35216428001	**EQ Blank 11/12/15**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	AEM	1	PASI-O
35216428002	**B40-1**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	AEM	1	PASI-O
35216428003	**B40-1 DUP**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	AEM	1	PASI-O
35216428004	**B40-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	AEM	1	PASI-O
35216428005	**B65**	EPA 8011	AYF	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	AEM	1	PASI-O
35216428006	**MO5-B**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	AEM	1	PASI-O
35216428007	**B85**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	XDP	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	AEM	1	PASI-O
35216428008	**TRIP BLANK 11/12/15**	EPA 8260	SK	50	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216428001	**EQ Blank 11/12/15**					
EPA 6010	Barium	27.6	ug/L	10.0	11/20/15 14:46	
EPA 6010	Nickel	3.2 I	ug/L	5.0	11/20/15 14:46	
EPA 6010	Zinc	18.4 I	ug/L	20.0	11/20/15 14:46	
SM 2540C	Total Dissolved Solids	31.0	mg/L	5.0	11/16/15 09:44	
35216428002	**B40-1**					
	Field pH	5.29	Std. Units		11/12/15 13:00	
	Field Temperature	22.86	deg C		11/12/15 13:00	
	Appearance	Color: yellow, Sheen: none			11/12/15 13:00	
	Field Specific Conductance	664	umhos/cm		11/12/15 13:00	
	Oxygen, Dissolved	0.19	mg/L		11/12/15 13:00	
	REDOX	-69.7	mV		11/12/15 13:00	
	Turbidity	0.21	NTU		11/12/15 13:00	
	Water Level(NGVD)	22.02	feet		11/12/15 13:00	
EPA 6010	Barium	173	ug/L	10.0	11/20/15 14:50	
EPA 6010	Iron	18300	ug/L	40.0	11/20/15 14:50	
EPA 6010	Sodium	49.6	mg/L	1.0	11/20/15 14:50	
SM 2540C	Total Dissolved Solids	452	mg/L	5.0	11/16/15 09:44	
EPA 300.0	Chloride	63.3	mg/L	5.0	11/13/15 20:51	
EPA 350.1	Nitrogen, Ammonia	0.18	mg/L	0.050	11/13/15 12:43	
EPA 353.2	Nitrogen, Nitrate	0.038 I	mg/L	0.050	11/13/15 15:40	
35216428003	**B40-1 DUP**					
	Field pH	5.29	Std. Units		11/12/15 13:00	
	Field Temperature	22.86	deg C		11/12/15 13:00	
	Appearance	Color: yellow, sheen: none			11/12/15 13:00	
	Field Specific Conductance	664	umhos/cm		11/12/15 13:00	
	Oxygen, Dissolved	0.19	mg/L		11/12/15 13:00	
	REDOX	-69.7	mV		11/12/15 13:00	
	Turbidity	0.21	NTU		11/12/15 13:00	
	Water Level(NGVD)	22.02	feet		11/12/15 13:00	
EPA 6010	Barium	174	ug/L	10.0	11/20/15 15:13	
EPA 6010	Iron	18800	ug/L	40.0	11/20/15 15:13	
EPA 6010	Sodium	49.0	mg/L	1.0	11/20/15 15:13	
SM 2540C	Total Dissolved Solids	444	mg/L	5.0	11/16/15 09:45	
EPA 300.0	Chloride	63.9	mg/L	5.0	11/13/15 21:11	
EPA 350.1	Nitrogen, Ammonia	0.18	mg/L	0.050	11/13/15 12:44	
EPA 353.2	Nitrogen, Nitrate	0.045 I	mg/L	0.050	11/13/15 15:42	
35216428004	**B40-2**					
	Field pH	5.89	Std. Units		11/12/15 13:29	
	Field Temperature	23.45	deg C		11/12/15 13:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216428004	**B40-2**					
	Appearance	Color: yellow, Sheen: none			11/12/15 13:29	
	Field Specific Conductance	616	umhos/cm		11/12/15 13:29	
	Oxygen, Dissolved	0.11	mg/L		11/12/15 13:29	
	REDOX	-130.0	mV		11/12/15 13:29	
	Turbidity	15.84	NTU		11/12/15 13:29	
	Water Level(NGVD)	23.77	feet		11/12/15 13:29	
EPA 6010	Barium	35.3	ug/L	10.0	11/20/15 15:17	
EPA 6010	Chromium	2.7 I	ug/L	5.0	11/20/15 15:17	
EPA 6010	Iron	4760	ug/L	40.0	11/20/15 15:17	
EPA 6010	Sodium	20.4	mg/L	1.0	11/20/15 15:17	
SM 2540C	Total Dissolved Solids	403	mg/L	5.0	11/16/15 09:45	
EPA 300.0	Chloride	26.9	mg/L	5.0	11/13/15 22:48	
EPA 350.1	Nitrogen, Ammonia	1.7	mg/L	0.050	11/13/15 12:49	
35216428005	**B65**					
	Field pH	6.87	Std. Units		11/12/15 14:10	
	Field Temperature	23.32	deg C		11/12/15 14:10	
	Appearance	Color: yellow, sheen: none			11/12/15 14:10	
	Field Specific Conductance	573	umhos/cm		11/12/15 14:10	
	Oxygen, Dissolved	0.12	mg/L		11/12/15 14:10	
	REDOX	-161.4	mV		11/12/15 14:10	
	Turbidity	0.56	NTU		11/12/15 14:10	
	Water Level(NGVD)	23.21	feet		11/12/15 14:10	
EPA 6010	Barium	38.9	ug/L	10.0	11/20/15 15:21	
EPA 6010	Chromium	2.8 I	ug/L	5.0	11/20/15 15:21	
EPA 6010	Iron	1120	ug/L	40.0	11/20/15 15:21	
EPA 6010	Sodium	23.1	mg/L	1.0	11/20/15 15:21	
SM 2540C	Total Dissolved Solids	387	mg/L	5.0	11/16/15 09:45	
EPA 300.0	Chloride	24.4	mg/L	5.0	11/13/15 23:46	
EPA 350.1	Nitrogen, Ammonia	0.73	mg/L	0.050	11/13/15 12:51	
35216428006	**MO5-B**					
	Field pH	6.06	Std. Units		11/12/15 15:04	
	Field Temperature	23.38	deg C		11/12/15 15:04	
	Appearance	Color: yellow, Sheen: none			11/12/15 15:04	
	Field Specific Conductance	1106	umhos/cm		11/12/15 15:04	
	Oxygen, Dissolved	0.13	mg/L		11/12/15 15:04	
	REDOX	-112.9	mV		11/12/15 15:04	
	Turbidity	0.48	NTU		11/12/15 15:04	
	Water Level(NGVD)	20.00	feet		11/12/15 15:04	
EPA 6010	Barium	167	ug/L	10.0	11/20/15 15:25	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216428006	**MO5-B**					
EPA 6010	Chromium	3.5 I	ug/L	5.0	11/20/15 15:25	
EPA 6010	Iron	8290	ug/L	40.0	11/20/15 15:25	
EPA 6010	Sodium	112	mg/L	1.0	11/20/15 15:25	
SM 2540C	Total Dissolved Solids	699	mg/L	5.0	11/16/15 09:45	
EPA 300.0	Chloride	94.2	mg/L	10.0	11/14/15 00:05	
EPA 350.1	Nitrogen, Ammonia	4.0	mg/L	0.050	11/13/15 12:53	
35216428007	**B85**					
	Field pH	6.22	Std. Units		11/12/15 16:25	
	Field Temperature	23.19	deg C		11/12/15 16:25	
	Appearance	Color: yellow, Sheen: none			11/12/15 16:25	
	Field Specific Conductance	1815	umhos/cm		11/12/15 16:25	
	Oxygen, Dissolved	0.12	mg/L		11/12/15 16:25	
	REDOX	-106.0	mV		11/12/15 16:25	
	Turbidity	0.18	NTU		11/12/15 16:25	
	Water Level(NGVD)	19.99	feet		11/12/15 16:25	
EPA 6010	Barium	54.0	ug/L	10.0	11/20/15 15:29	
EPA 6010	Chromium	3.9 I	ug/L	5.0	11/20/15 15:29	
EPA 6010	Iron	6260	ug/L	40.0	11/20/15 15:29	
EPA 6010	Sodium	107	mg/L	1.0	11/20/15 15:29	
EPA 8260	Benzene	0.14 I	ug/L	1.0	11/19/15 09:07	
EPA 8260	Chlorobenzene	3.4	ug/L	1.0	11/19/15 09:07	
EPA 8260	1,4-Dichlorobenzene	0.78 I	ug/L	1.0	11/19/15 09:07	
SM 2540C	Total Dissolved Solids	1000	mg/L	10.0	11/16/15 17:49	
EPA 300.0	Chloride	146	mg/L	25.0	11/14/15 00:25	
EPA 350.1	Nitrogen, Ammonia	18.0	mg/L	0.050	11/13/15 12:55	
35216428008	**TRIP BLANK 11/12/15**					
EPA 8260	cis-1,2-Dichloroethene	0.68 I	ug/L	1.0	11/19/15 14:58	V

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: EQ Blank 11/12/15 **Lab ID: 35216428001** Collected: 11/12/15 12:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/14/15 14:00	11/17/15 01:32	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/14/15 14:00	11/17/15 01:32	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:46	7440-38-2	
Barium	**27.6**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:46	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 14:46	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 14:46	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:46	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:46	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:46	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 14:46	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:46	7439-92-1	
Nickel	**3.2 I**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:46	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/18/15 09:45	11/20/15 14:46	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:46	7440-22-4	
Sodium	**0.50 U**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 14:46	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:46	7440-62-2	
Zinc	**18.4 I**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 14:46	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 12:06	11/25/15 00:00	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/24/15 12:06	11/25/15 00:00	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/18/15 08:44	11/18/15 15:10	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 03:16	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:16	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 03:16	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 03:16	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:16	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:16	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 03:16	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 03:16	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	95-50-1	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: EQ Blank 11/12/15 **Lab ID: 35216428001** Collected: 11/12/15 12:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:16	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 03:16	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 03:16	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:16	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 03:16	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 03:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:16	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 03:16	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 03:16	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 03:16	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:16	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 03:16	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-114		1		11/19/15 03:16	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		11/19/15 03:16	17060-07-0	
Toluene-d8 (S)	97	%	87-113		1		11/19/15 03:16	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**31.0**	mg/L	5.0	5.0	1		11/16/15 09:44		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/13/15 20:32	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 13:51	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 15:39		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-1 **Lab ID: 35216428002** Collected: 11/12/15 13:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.29**	Std. Units			1		11/12/15 13:00		
Field Temperature	**22.86**	deg C			1		11/12/15 13:00		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 13:00		
Field Specific Conductance	**664**	umhos/cm			1		11/12/15 13:00		
Oxygen, Dissolved	**0.19**	mg/L			1		11/12/15 13:00	7782-44-7	
REDOX	**-69.7**	mV			1		11/12/15 13:00		
Turbidity	**0.21**	NTU			1		11/12/15 13:00		
Water Level(NGVD)	**22.02**	feet			1		11/12/15 13:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/14/15 14:00	11/17/15 01:47	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/14/15 14:00	11/17/15 01:47	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:50	7440-38-2	
Barium	**173**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:50	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 14:50	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 14:50	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:50	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:50	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:50	7440-50-8	
Iron	**18300**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 14:50	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:50	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:50	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/18/15 09:45	11/20/15 14:50	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:50	7440-22-4	
Sodium	**49.6**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 14:50	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:50	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 14:50	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:59	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:59	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/18/15 08:44	11/18/15 15:16	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 07:03	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:03	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 07:03	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 07:03	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-1 **Lab ID: 35216428002** Collected: 11/12/15 13:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:03	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:03	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 07:03	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 07:03	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:03	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 07:03	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 07:03	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:03	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 07:03	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 07:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:03	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 07:03	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 07:03	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 07:03	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:03	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 07:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-114		1		11/19/15 07:03	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	86-125		1		11/19/15 07:03	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		11/19/15 07:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-1 **Lab ID: 35216428002** Collected: 11/12/15 13:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**452**	mg/L	5.0	5.0	1		11/16/15 09:44		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**63.3**	mg/L	5.0	2.5	1		11/13/15 20:51	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.18**	mg/L	0.050	0.020	1		11/13/15 12:43	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.038 I**	mg/L	0.050	0.025	1		11/13/15 15:40		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-1 DUP **Lab ID: 35216428003** Collected: 11/12/15 13:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.29**	Std. Units			1		11/12/15 13:00		
Field Temperature	**22.86**	deg C			1		11/12/15 13:00		
Appearance	**Color: yellow, sheen: none**				1		11/12/15 13:00		
Field Specific Conductance	**664**	umhos/cm			1		11/12/15 13:00		
Oxygen, Dissolved	**0.19**	mg/L			1		11/12/15 13:00	7782-44-7	
REDOX	**-69.7**	mV			1		11/12/15 13:00		
Turbidity	**0.21**	NTU			1		11/12/15 13:00		
Water Level(NGVD)	**22.02**	feet			1		11/12/15 13:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/14/15 14:00	11/17/15 02:03	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	11/14/15 14:00	11/17/15 02:03	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:13	7440-38-2	
Barium	**174**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:13	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:13	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:13	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:13	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:13	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:13	7440-50-8	
Iron	**18800**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 15:13	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:13	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:13	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/18/15 09:45	11/20/15 15:13	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:13	7440-22-4	
Sodium	**49.0**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:13	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:13	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 15:13	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:03	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:03	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/18/15 08:44	11/18/15 15:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 07:28	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:28	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 07:28	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 07:28	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-1 DUP **Lab ID: 35216428003** Collected: 11/12/15 13:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:28	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:28	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 07:28	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 07:28	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:28	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 07:28	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 07:28	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:28	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 07:28	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 07:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:28	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 07:28	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 07:28	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 07:28	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:28	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 07:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-114		1		11/19/15 07:28	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	86-125		1		11/19/15 07:28	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/19/15 07:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-1 DUP **Lab ID: 35216428003** Collected: 11/12/15 13:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**444**	mg/L	5.0	5.0	1		11/16/15 09:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**63.9**	mg/L	5.0	2.5	1		11/13/15 21:11	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.18**	mg/L	0.050	0.020	1		11/13/15 12:44	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.045 I**	mg/L	0.050	0.025	1		11/13/15 15:42		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-2 **Lab ID: 35216428004** Collected: 11/12/15 13:29 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.89**	Std. Units			1		11/12/15 13:29		
Field Temperature	**23.45**	deg C			1		11/12/15 13:29		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 13:29		
Field Specific Conductance	**616**	umhos/cm			1		11/12/15 13:29		
Oxygen, Dissolved	**0.11**	mg/L			1		11/12/15 13:29	7782-44-7	
REDOX	**-130.0**	mV			1		11/12/15 13:29		
Turbidity	**15.84**	NTU			1		11/12/15 13:29		
Water Level(NGVD)	**23.77**	feet			1		11/12/15 13:29		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048 U**	ug/L	0.020	0.0048	1	11/18/15 08:30	11/19/15 01:59	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061 U**	ug/L	0.0098	0.0061	1	11/18/15 08:30	11/19/15 01:59	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:17	7440-38-2	
Barium	**35.3**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:17	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:17	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:17	7440-43-9	
Chromium	**2.7 I**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:17	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:17	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:17	7440-50-8	
Iron	**4760**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 15:17	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:17	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:17	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/18/15 09:45	11/20/15 15:17	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:17	7440-22-4	
Sodium	**20.4**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:17	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:17	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 15:17	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:06	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:06	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/18/15 08:44	11/18/15 15:21	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 07:52	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:52	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 07:52	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 07:52	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-2 **Lab ID: 35216428004** Collected: 11/12/15 13:29 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:52	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:52	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 07:52	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 07:52	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:52	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 07:52	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 07:52	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:52	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 07:52	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 07:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 07:52	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 07:52	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 07:52	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 07:52	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 07:52	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 07:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-114		1		11/19/15 07:52	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		11/19/15 07:52	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		11/19/15 07:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B40-2 **Lab ID: 35216428004** Collected: 11/12/15 13:29 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**403**	mg/L	5.0	5.0	1		11/16/15 09:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**26.9**	mg/L	5.0	2.5	1		11/13/15 22:48	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.7**	mg/L	0.050	0.020	1		11/13/15 12:49	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 15:43		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B65 **Lab ID: 35216428005** Collected: 11/12/15 14:10 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.87**	Std. Units			1		11/12/15 14:10		
Field Temperature	**23.32**	deg C			1		11/12/15 14:10		
Appearance	**Color: yellow, sheen: none**				1		11/12/15 14:10		
Field Specific Conductance	**573**	umhos/cm			1		11/12/15 14:10		
Oxygen, Dissolved	**0.12**	mg/L			1		11/12/15 14:10	7782-44-7	
REDOX	**-161.4**	mV			1		11/12/15 14:10		
Turbidity	**0.56**	NTU			1		11/12/15 14:10		
Water Level(NGVD)	**23.21**	feet			1		11/12/15 14:10		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/18/15 08:30	11/19/15 02:45	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/18/15 08:30	11/19/15 02:45	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:21	7440-38-2	
Barium	**38.9**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:21	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:21	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:21	7440-43-9	
Chromium	**2.8 I**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:21	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:21	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:21	7440-50-8	
Iron	**1120**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 15:21	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:21	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:21	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/18/15 09:45	11/20/15 15:21	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:21	7440-22-4	
Sodium	**23.1**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:21	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:21	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 15:21	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:10	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:10	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/18/15 08:44	11/18/15 15:23	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 08:18	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:18	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 08:18	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 08:18	75-27-4	

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B65 **Lab ID: 35216428005** Collected: 11/12/15 14:10 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:18	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:18	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 08:18	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 08:18	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:18	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 08:18	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 08:18	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:18	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 08:18	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 08:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:18	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 08:18	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 08:18	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 08:18	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:18	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 08:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-114		1		11/19/15 08:18	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		11/19/15 08:18	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/19/15 08:18	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B65 **Lab ID: 35216428005** Collected: 11/12/15 14:10 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**387**	mg/L	5.0	5.0	1		11/16/15 09:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**24.4**	mg/L	5.0	2.5	1		11/13/15 23:46	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.73**	mg/L	0.050	0.020	1		11/13/15 12:51	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 15:44		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: MO5-B **Lab ID: 35216428006** Collected: 11/12/15 15:04 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.06**	Std. Units			1		11/12/15 15:04		
Field Temperature	**23.38**	deg C			1		11/12/15 15:04		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 15:04		
Field Specific Conductance	**1106**	umhos/cm			1		11/12/15 15:04		
Oxygen, Dissolved	**0.13**	mg/L			1		11/12/15 15:04	7782-44-7	
REDOX	**-112.9**	mV			1		11/12/15 15:04		
Turbidity	**0.48**	NTU			1		11/12/15 15:04		
Water Level(NGVD)	**20.00**	feet			1		11/12/15 15:04		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	11/18/15 08:30	11/19/15 03:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/18/15 08:30	11/19/15 03:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:25	7440-38-2	
Barium	**167**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:25	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:25	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:25	7440-43-9	
Chromium	**3.5 I**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:25	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:25	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:25	7440-50-8	
Iron	**8290**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 15:25	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:25	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:25	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/18/15 09:45	11/20/15 15:25	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:25	7440-22-4	
Sodium	**112**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:25	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:25	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 15:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:13	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:13	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/18/15 08:44	11/18/15 15:25	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 08:43	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:43	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 08:43	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 08:43	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: MO5-B **Lab ID: 35216428006** Collected: 11/12/15 15:04 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:43	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:43	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 08:43	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 08:43	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:43	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 08:43	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 08:43	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:43	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 08:43	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 08:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 08:43	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 08:43	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 08:43	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 08:43	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 08:43	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 08:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		11/19/15 08:43	460-00-4	
1,2-Dichloroethane-d4 (S)	89	%	86-125		1		11/19/15 08:43	17060-07-0	
Toluene-d8 (S)	97	%	87-113		1		11/19/15 08:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: MO5-B **Lab ID: 35216428006** Collected: 11/12/15 15:04 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**699**	mg/L	5.0	5.0	1		11/16/15 09:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**94.2**	mg/L	10.0	5.0	2		11/14/15 00:05	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**4.0**	mg/L	0.050	0.020	1		11/13/15 12:53	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 15:45		

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B85 **Lab ID: 35216428007** Collected: 11/12/15 16:25 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.22**	Std. Units			1		11/12/15 16:25		
Field Temperature	**23.19**	deg C			1		11/12/15 16:25		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 16:25		
Field Specific Conductance	**1815**	umhos/cm			1		11/12/15 16:25		
Oxygen, Dissolved	**0.12**	mg/L			1		11/12/15 16:25	7782-44-7	
REDOX	**-106.0**	mV			1		11/12/15 16:25		
Turbidity	**0.18**	NTU			1		11/12/15 16:25		
Water Level(NGVD)	**19.99**	feet			1		11/12/15 16:25		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/18/15 08:30	11/19/15 03:15	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062 U**	ug/L	0.0099	0.0062	1	11/18/15 08:30	11/19/15 03:15	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:29	7440-38-2	
Barium	**54.0**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:29	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:29	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:29	7440-43-9	
Chromium	**3.9 I**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:29	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:29	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:29	7440-50-8	
Iron	**6260**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 15:29	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:29	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:29	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/18/15 09:45	11/20/15 15:29	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 15:29	7440-22-4	
Sodium	**107**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 15:29	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 15:29	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 15:29	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:17	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 16:17	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/18/15 08:44	11/18/15 15:27	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 09:07	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 09:07	107-13-1	
Benzene	**0.14 I**	ug/L	1.0	0.10	1		11/19/15 09:07	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 09:07	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B85 **Lab ID: 35216428007** Collected: 11/12/15 16:25 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 09:07	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 09:07	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	56-23-5	
Chlorobenzene	**3.4**	ug/L	1.0	0.50	1		11/19/15 09:07	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 09:07	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 09:07	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	95-50-1	
1,4-Dichlorobenzene	**0.78 I**	ug/L	1.0	0.50	1		11/19/15 09:07	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 09:07	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 09:07	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 09:07	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 09:07	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 09:07	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 09:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 09:07	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 09:07	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 09:07	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 09:07	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 09:07	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 09:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		11/19/15 09:07	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		11/19/15 09:07	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/19/15 09:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: B85 **Lab ID: 35216428007** Collected: 11/12/15 16:25 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1000**	mg/L	10.0	10.0	1		11/16/15 17:49		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**146**	mg/L	25.0	12.5	5		11/14/15 00:25	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**18.0**	mg/L	0.050	0.020	1		11/13/15 12:55	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 17:59		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: TRIP BLANK 11/12/15 **Lab ID: 35216428008** Collected: 11/12/15 00:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 14:58	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 14:58	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 14:58	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 14:58	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 14:58	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 14:58	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 14:58	74-87-3	J(L2)
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 14:58	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 14:58	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 14:58	110-57-6	J(L2)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	75-35-4	
cis-1,2-Dichloroethene	**0.68 I**	ug/L	1.0	0.50	1		11/19/15 14:58	156-59-2	V
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 14:58	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 14:58	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 14:58	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 14:58	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 14:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 14:58	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 14:58	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 14:58	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 14:58	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 14:58	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Sample: TRIP BLANK 11/12/15 **Lab ID: 35216428008** Collected: 11/12/15 00:00 Received: 11/12/15 17:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 14:58	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-114		1		11/19/15 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		11/19/15 14:58	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		11/19/15 14:58	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: MERP/6368 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1396045 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/18/15 14:38	

LABORATORY CONTROL SAMPLE: 1396046

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: 1396047 1396048

Parameter	Units	35216235001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	2.0	2.0	102	101	75-125	0	20	

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

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: MPRP/27433 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1396089 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Barium	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Beryllium	ug/L	0.50 U	1.0	0.50	11/20/15 14:13	
Cadmium	ug/L	0.50 U	1.0	0.50	11/20/15 14:13	
Chromium	ug/L	2.5 U	5.0	2.5	11/20/15 14:13	
Cobalt	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Copper	ug/L	2.5 U	5.0	2.5	11/20/15 14:13	
Iron	ug/L	20.0 U	40.0	20.0	11/20/15 14:13	
Lead	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Nickel	ug/L	2.5 U	5.0	2.5	11/20/15 14:13	
Selenium	ug/L	7.5 U	15.0	7.5	11/20/15 14:13	
Silver	ug/L	2.5 U	5.0	2.5	11/20/15 14:13	
Sodium	mg/L	0.50 U	1.0	0.50	11/20/15 14:13	
Vanadium	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Zinc	ug/L	10.0 U	20.0	10.0	11/20/15 14:13	

LABORATORY CONTROL SAMPLE: 1396090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	242	97	80-120	
Barium	ug/L	250	252	101	80-120	
Beryllium	ug/L	25	25.4	101	80-120	
Cadmium	ug/L	25	25.4	101	80-120	
Chromium	ug/L	250	249	99	80-120	
Cobalt	ug/L	250	261	104	80-120	
Copper	ug/L	250	248	99	80-120	
Iron	ug/L	2500	2350	94	80-120	
Lead	ug/L	250	260	104	80-120	
Nickel	ug/L	250	254	102	80-120	
Selenium	ug/L	250	254	102	80-120	
Silver	ug/L	25	25.4	101	80-120	
Sodium	mg/L	12.5	12.6	101	80-120	
Vanadium	ug/L	250	248	99	80-120	
Zinc	ug/L	1250	1260	100	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396091 1396092

Parameter	Units	35216300001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	250	220	99	87	75-125	13	20	
Barium	ug/L	21.2	250	250	274	240	101	88	75-125	13	20	
Beryllium	ug/L	0.50 U	25	25	25.6	22.6	103	90	75-125	13	20	
Cadmium	ug/L	0.50 U	25	25	25.4	22.7	101	91	75-125	11	20	
Chromium	ug/L	2.5 U	250	250	252	223	101	89	75-125	12	20	
Cobalt	ug/L	5.0 U	250	250	260	230	104	92	75-125	12	20	
Copper	ug/L	2.5 U	250	250	256	224	102	90	75-125	13	20	
Iron	ug/L	529	2500	2500	2890	2560	94	81	75-125	12	20	
Lead	ug/L	5.0 U	250	250	256	228	102	91	75-125	12	20	
Nickel	ug/L	2.5 U	250	250	255	224	102	89	75-125	13	20	
Selenium	ug/L	7.5 U	250	250	254	228	102	91	75-125	11	20	
Silver	ug/L	2.5 U	25	25	26.3	23.3	105	93	75-125	12	20	
Sodium	mg/L	16.6	12.5	12.5	29.5	26.2	103	77	75-125	12	20	
Vanadium	ug/L	5.0 U	250	250	254	224	102	89	75-125	13	20	
Zinc	ug/L	10.0 U	1250	1250	1260	1120	101	89	75-125	13	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: MPRP/27434 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1396097 Matrix: Water
Associated Lab Samples: 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/19/15 14:39	
Thallium	ug/L	0.50 U	1.0	0.50	11/19/15 14:39	

LABORATORY CONTROL SAMPLE: 1396098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	52.8	106	80-120	
Thallium	ug/L	50	48.1	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396099 1396100

Parameter	Units	35216235002 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	53.7	52.6	107	105	75-125	2	20	
Thallium	ug/L	0.50 U	50	50	50.9	48.6	102	97	75-125	5	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: MPRP/27532
QC Batch Method: EPA 3010
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 35216428001

METHOD BLANK: 1402344 Matrix: Water
Associated Lab Samples: 35216428001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/24/15 23:50	
Thallium	ug/L	0.50 U	1.0	0.50	11/24/15 23:50	

LABORATORY CONTROL SAMPLE & LCSD: 1402345 1402348

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Antimony	ug/L	50	47.6	48.1	95	96	80-120	1	20	
Thallium	ug/L	50	47.8	49.1	96	98	80-120	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: MSV/16700 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1397041 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/19/15 01:36	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/19/15 01:36	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Acetone	ug/L	10.0 U	20.0	10.0	11/19/15 01:36	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Benzene	ug/L	0.10 U	1.0	0.10	11/19/15 01:36	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/19/15 01:36	
Bromoform	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chloroform	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/19/15 01:36	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/19/15 01:36	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/19/15 01:36	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/19/15 01:36	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/19/15 01:36	
Styrene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Toluene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/19/15 01:36	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

METHOD BLANK: 1397041 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/19/15 01:36	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/19/15 01:36	
1,2-Dichloroethane-d4 (S)	%	92	86-125		11/19/15 01:36	
4-Bromofluorobenzene (S)	%	102	70-114		11/19/15 01:36	
Toluene-d8 (S)	%	99	87-113		11/19/15 01:36	

LABORATORY CONTROL SAMPLE: 1397042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	96	70-130	
1,1,1-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,2-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	20	19.3	96	70-130	
1,1-Dichloroethene	ug/L	20	19.7	99	70-130	
1,2,3-Trichloropropane	ug/L	20	17.7	89	70-130	
1,2-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,2-Dichloroethane	ug/L	20	17.8	89	70-130	
1,2-Dichloropropane	ug/L	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	40	38.4	96	55-167	
2-Hexanone	ug/L	40	36.2	91	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.4	94	70-130	
Acetone	ug/L	40	34.3	86	40-150	
Acrylonitrile	ug/L	200	183	92	70-130	
Benzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	21.2	106	70-130	
Bromodichloromethane	ug/L	20	18.6	93	70-130	
Bromoform	ug/L	20	18.8	94	68-130	
Bromomethane	ug/L	20	16.1	81	38-179	
Carbon disulfide	ug/L	20	18.4	92	51-155	
Carbon tetrachloride	ug/L	20	19.7	99	70-130	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	18.1	91	59-149	
Chloroform	ug/L	20	19.2	96	70-130	
Chloromethane	ug/L	20	17.0	85	68-130	
cis-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
Dibromochloromethane	ug/L	20	18.7	93	70-130	
Dibromomethane	ug/L	20	19.4	97	70-130	
Ethylbenzene	ug/L	20	19.3	97	70-130	
Iodomethane	ug/L	40	34.2	85	43-160	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

LABORATORY CONTROL SAMPLE: 1397042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	20.0	100	70-130	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	26.1	130	66-133	
Toluene	ug/L	20	19.7	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.7	78	65-130	
Trichloroethene	ug/L	20	20.5	102	70-130	
Trichlorofluoromethane	ug/L	20	18.6	93	70-131	
Vinyl acetate	ug/L	20	16.4	82	69-135	
Vinyl chloride	ug/L	20	18.5	92	69-140	
Xylene (Total)	ug/L	60	58.7	98	70-130	
1,2-Dichloroethane-d4 (S)	%			93	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Toluene-d8 (S)	%			98	87-113	

MATRIX SPIKE SAMPLE: 1399417

Parameter	Units	35216300002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	17.7	89	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	16.3	81	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	15.4	77	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.8	84	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	18.1	91	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	35.9	90	70-130	
2-Hexanone	ug/L	5.0 U	40	33.9	85	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	36.1	90	70-130	
Acetone	ug/L	10.0 U	40	35.5	77	70-130	
Acrylonitrile	ug/L	5.0 U	200	164	82	70-130	
Benzene	ug/L	0.10 U	20	19.6	98	70-130	
Bromochloromethane	ug/L	0.50 U	20	21.2	106	70-130	
Bromodichloromethane	ug/L	0.27 U	20	17.7	89	70-130	
Bromoform	ug/L	0.50 U	20	17.7	88	70-130	
Bromomethane	ug/L	0.50 U	20	15.0	75	70-130	
Carbon disulfide	ug/L	5.0 U	20	14.2	71	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	20.3	101	70-130	
Chlorobenzene	ug/L	0.50 U	20	19.3	96	70-130	
Chloroethane	ug/L	0.50 U	20	20.3	101	70-130	
Chloroform	ug/L	0.50 U	20	18.9	94	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

MATRIX SPIKE SAMPLE: 1399417

Parameter	Units	35216300002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	15.2	76	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	20.3	102	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.4	87	70-130	
Dibromochloromethane	ug/L	0.26 U	20	17.7	88	70-130	
Dibromomethane	ug/L	0.50 U	20	19.5	98	70-130	
Ethylbenzene	ug/L	0.50 U	20	18.6	93	70-130	
Iodomethane	ug/L	0.50 U	40	26.0	65	70-130	J(M1)
Methylene Chloride	ug/L	2.5 U	20	19.7	99	70-130	
Styrene	ug/L	0.50 U	20	18.6	93	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.3	96	70-130	
Toluene	ug/L	0.50 U	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	19.3	96	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	16.8	84	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	11.2	56	70-130	J(M1)
Trichloroethene	ug/L	0.50 U	20	20.9	104	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	21.4	107	70-130	
Vinyl acetate	ug/L	1.0 U	20	12.2	61	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	21.9	110	70-130	
Xylene (Total)	ug/L	0.50 U	60	56.7	94	70-130	
1,2-Dichloroethane-d4 (S)	%				93	86-125	
4-Bromofluorobenzene (S)	%				104	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 1399416

Parameter	Units	35216300001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

SAMPLE DUPLICATE: 1399416

Parameter	Units	35216300001 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.52 I	0.64 I		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	91	92	1	40	
4-Bromofluorobenzene (S)	%	102	104	2	40	
Toluene-d8 (S)	%	99	101	2	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: MSV/16709
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 35216428008

METHOD BLANK: 1398047
Matrix: Water
Associated Lab Samples: 35216428008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/19/15 12:56	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/19/15 12:56	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	11/19/15 12:56	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/19/15 12:56	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/19/15 12:56	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/19/15 12:56	
Acetone	ug/L	10.0 U	20.0	10.0	11/19/15 12:56	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/19/15 12:56	
Benzene	ug/L	0.10 U	1.0	0.10	11/19/15 12:56	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/19/15 12:56	
Bromoform	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/19/15 12:56	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Chloroform	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/19/15 12:56	
cis-1,2-Dichloroethene	ug/L	1.7	1.0	0.50	11/19/15 12:56	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/19/15 12:56	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/19/15 12:56	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/19/15 12:56	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/19/15 12:56	
Styrene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Toluene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/19/15 12:56	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

METHOD BLANK: 1398047 Matrix: Water
Associated Lab Samples: 35216428008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/19/15 12:56	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/19/15 12:56	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/19/15 12:56	
Xylene (Total)	ug/L	1.2 I	3.0	0.50	11/19/15 12:56	
1,2-Dichloroethane-d4 (S)	%	101	86-125		11/19/15 12:56	
4-Bromofluorobenzene (S)	%	108	70-114		11/19/15 12:56	
Toluene-d8 (S)	%	101	87-113		11/19/15 12:56	

LABORATORY CONTROL SAMPLE: 1398048

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.3	86	70-130	
1,1,1-Trichloroethane	ug/L	20	17.6	88	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	15.8	79	70-130	
1,1,2-Trichloroethane	ug/L	20	18.1	90	70-130	
1,1-Dichloroethane	ug/L	20	17.0	85	70-130	
1,1-Dichloroethene	ug/L	20	16.7	83	70-130	
1,2,3-Trichloropropane	ug/L	20	15.8	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.4	77	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	18.2	91	70-130	
1,2-Dichlorobenzene	ug/L	20	16.6	83	70-130	
1,2-Dichloroethane	ug/L	20	15.9	80	70-130	
1,2-Dichloropropane	ug/L	20	16.1	80	70-130	
1,4-Dichlorobenzene	ug/L	20	16.6	83	70-130	
2-Butanone (MEK)	ug/L	40	29.9	75	55-167	
2-Hexanone	ug/L	40	32.6	81	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	33.8	85	70-130	
Acetone	ug/L	40	32.2	81	40-150	
Acrylonitrile	ug/L	200	170	85	70-130	
Benzene	ug/L	20	17.5	87	70-130	
Bromochloromethane	ug/L	20	19.2	96	70-130	
Bromodichloromethane	ug/L	20	15.7	78	70-130	
Bromoform	ug/L	20	16.0	80	68-130	
Bromomethane	ug/L	20	14.8	74	38-179	
Carbon disulfide	ug/L	20	15.7	78	51-155	
Carbon tetrachloride	ug/L	20	17.4	87	70-130	
Chlorobenzene	ug/L	20	18.3	92	70-130	
Chloroethane	ug/L	20	12.8	64	59-149	
Chloroform	ug/L	20	17.0	85	70-130	
Chloromethane	ug/L	20	9.4	47	68-130	J(L0)
cis-1,2-Dichloroethene	ug/L	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	20	14.9	75	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

LABORATORY CONTROL SAMPLE: 1398048

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	20	16.1	81	70-130	
Dibromomethane	ug/L	20	18.4	92	70-130	
Ethylbenzene	ug/L	20	18.5	93	70-130	
Iodomethane	ug/L	40	31.5	79	43-160	
Methylene Chloride	ug/L	20	16.3	81	70-130	
Styrene	ug/L	20	16.9	84	70-130	
Tetrachloroethene	ug/L	20	22.5	113	66-133	
Toluene	ug/L	20	17.9	90	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.9	84	70-130	
trans-1,3-Dichloropropene	ug/L	20	15.4	77	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	11.9	59	65-130	J(L0)
Trichloroethene	ug/L	20	18.7	93	70-130	
Trichlorofluoromethane	ug/L	20	18.1	90	70-131	
Vinyl acetate	ug/L	20	14.6	73	69-135	
Vinyl chloride	ug/L	20	15.6	78	69-140	
Xylene (Total)	ug/L	60	55.7	93	70-130	
1,2-Dichloroethane-d4 (S)	%			92	86-125	
4-Bromofluorobenzene (S)	%			111	70-114	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 1398352

Parameter	Units	35216596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	18.3	92	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	16.9	85	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	17.1	85	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	18.2	91	70-130	
1,2,3-Trichloropropane	ug/L	0.36 U	20	16.8	84	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	16.2	81	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	18.8	94	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	16.9	84	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.5	83	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	16.9	84	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	16.4	82	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	33.8	84	70-130	
2-Hexanone	ug/L	5.0 U	40	33.5	84	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	35.3	88	70-130	
Acetone	ug/L	5.0 U	40	26.8	67	70-130	J(M1)
Acrylonitrile	ug/L	5.0 U	200	153	76	70-130	
Benzene	ug/L	0.50 U	20	18.1	90	70-130	
Bromochloromethane	ug/L	0.50 U	20	20.0	100	70-130	
Bromodichloromethane	ug/L	0.27 U	20	17.0	85	70-130	
Bromoform	ug/L	0.50 U	20	16.3	81	70-130	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

MATRIX SPIKE SAMPLE: 1398352

Parameter	Units	35216596002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	0.50 U	20	9.1	46	70-130	J(M1)
Carbon disulfide	ug/L	5.0 U	20	18.2	89	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	18.7	94	70-130	
Chlorobenzene	ug/L	0.50 U	20	19.0	95	70-130	
Chloroethane	ug/L	0.50 U	20	12.2	61	70-130	J(M1)
Chloroform	ug/L	0.50 U	20	18.3	91	70-130	
Chloromethane	ug/L	0.62 U	20	10.4	52	70-130	J(M0)
cis-1,2-Dichloroethene	ug/L	0.50 U	20	18.1	88	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	14.5	72	70-130	
Dibromochloromethane	ug/L	0.26 U	20	16.6	83	70-130	
Dibromomethane	ug/L	0.50 U	20	18.7	94	70-130	
Ethylbenzene	ug/L	0.50 U	20	19.1	95	70-130	
Iodomethane	ug/L	0.50 U	40	27.0	67	70-130	J(M1)
Methylene Chloride	ug/L	2.5 U	20	16.1	81	70-130	
Styrene	ug/L	0.50 U	20	17.3	86	70-130	
Tetrachloroethene	ug/L	0.50 U	20	18.1	91	70-130	
Toluene	ug/L	0.50 U	20	18.9	95	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	17.4	87	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	15.3	77	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	10.1	51	70-130	J(M0)
Trichloroethene	ug/L	0.50 U	20	19.5	98	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	20.3	102	70-130	
Vinyl acetate	ug/L	1.0 U	20	15.3	76	70-130	
Vinyl chloride	ug/L	0.50 U	20	15.8	79	70-130	
Xylene (Total)	ug/L	0.50 U	60	56.5	94	70-130	
1,2-Dichloroethane-d4 (S)	%				91	86-125	
4-Bromofluorobenzene (S)	%				113	70-114	
Toluene-d8 (S)	%				99	87-113	

SAMPLE DUPLICATE: 1398351

Parameter	Units	35216596001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.36 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

SAMPLE DUPLICATE: 1398351

Parameter	Units	35216596001 Result	Dup Result	RPD	Max RPD	Qualifiers
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	5.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.50 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.51 I	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	1.3		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%		103			
4-Bromofluorobenzene (S)	%		112			
Toluene-d8 (S)	%		100			

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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 Mis
Pace Project No.: 35216428

QC Batch: OEXT/25267 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216428001, 35216428002, 35216428003

METHOD BLANK: 1392678 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/16/15 19:56	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/16/15 19:56	

LABORATORY CONTROL SAMPLE: 1392679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.18	72	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.20	80	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393402 1393403

Parameter	Units	35215799006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0050 U	.44	.44	0.29	0.29	66	66	60-140	0	40	
1,2-Dibromoethane (EDB)	ug/L	0.0063 U	.44	.44	0.34	0.36	78	83	60-140	6	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: OEXT/25316 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1395372 Matrix: Water
Associated Lab Samples: 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/19/15 01:29	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/19/15 01:29	

LABORATORY CONTROL SAMPLE: 1395373

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	105	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396022 1396023

Parameter	Units	35216428004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.44	.44	0.45	0.45	103	103	60-140	1	40	
1,2-Dibromoethane (EDB)	ug/L	0.0061 U	.44	.44	0.48	0.49	109	111	60-140	2	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: WET/34166 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006

METHOD BLANK: 1393324 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/16/15 09:38	

LABORATORY CONTROL SAMPLE: 1393325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	294	98	90-110	

SAMPLE DUPLICATE: 1393548

Parameter	Units	35216478002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	603	611	1	5	

SAMPLE DUPLICATE: 1393549

Parameter	Units	35216428006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	699	696	0	5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: WET/34167 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35216428007

METHOD BLANK: 1393326 Matrix: Water
Associated Lab Samples: 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/16/15 17:49	

LABORATORY CONTROL SAMPLE: 1393327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	289	96	90-110	

SAMPLE DUPLICATE: 1394208

Parameter	Units	35216428007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1000	976	3	5	

SAMPLE DUPLICATE: 1394209

Parameter	Units	35216663003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4160	4360	5	5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: WETA/52096 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35216428001, 35216428002, 35216428003

METHOD BLANK: 1391712 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/13/15 12:26	

LABORATORY CONTROL SAMPLE: 1391713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393348 1393349

Parameter	Units	35216401001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.8	50	50	72.8	73.0	100	100	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393350 1393351

Parameter	Units	35216416005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L				82.7	82.8				0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: WETA/52097 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1391732 Matrix: Water
Associated Lab Samples: 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/13/15 22:09	

LABORATORY CONTROL SAMPLE: 1391733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393352 1393353

Parameter	Units	35216428004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	26.9	50	50	77.0	76.8	100	100	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393354 1393355

Parameter	Units	35216482001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	18.0	50	50	68.3	68.4	101	101	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: WETA/52099 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1391771 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/13/15 13:37	

LABORATORY CONTROL SAMPLE: 1391772

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

MATRIX SPIKE SAMPLE: 1391774

Parameter	Units	35216424002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	2.0	1	3.0	98	90-110	

SAMPLE DUPLICATE: 1391773

Parameter	Units	35216424002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	2.0	2.0	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

QC Batch: WETA/52107 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

METHOD BLANK: 1392048 Matrix: Water
Associated Lab Samples: 35216428001, 35216428002, 35216428003, 35216428004, 35216428005, 35216428006, 35216428007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/13/15 15:10	

SAMPLE DUPLICATE: 1392050

Parameter	Units	35216416003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	<0.025	0.025 U		20	

SAMPLE DUPLICATE: 1392052

Parameter	Units	35216423004 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

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QUALIFIERS

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: ICPM/11217

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
V	Indicates that the analyte was detected in both the sample and the associated method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216428002	**B40-1**		FLD/		
35216428003	**B40-1 DUP**		FLD/		
35216428004	**B40-2**		FLD/		
35216428005	**B65**		FLD/		
35216428006	**MO5-B**		FLD/		
35216428007	**B85**		FLD/		
35216428001	**EQ Blank 11/12/15**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216428002	**B40-1**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216428003	**B40-1 DUP**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216428004	**B40-2**	EPA 8011	OEXT/25316	EPA 8011	GCSV/16472
35216428005	**B65**	EPA 8011	OEXT/25316	EPA 8011	GCSV/16472
35216428006	**MO5-B**	EPA 8011	OEXT/25316	EPA 8011	GCSV/16472
35216428007	**B85**	EPA 8011	OEXT/25316	EPA 8011	GCSV/16472
35216428001	**EQ Blank 11/12/15**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216428002	**B40-1**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216428003	**B40-1 DUP**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216428004	**B40-2**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216428005	**B65**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216428006	**MO5-B**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216428007	**B85**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216428001	**EQ Blank 11/12/15**	EPA 3010	MPRP/27532	EPA 6020	ICPM/11217
35216428002	**B40-1**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216428003	**B40-1 DUP**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216428004	**B40-2**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216428005	**B65**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216428006	**MO5-B**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216428007	**B85**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216428001	**EQ Blank 11/12/15**	EPA 7470	MERP/6368	EPA 7470	MERC/6348
35216428002	**B40-1**	EPA 7470	MERP/6368	EPA 7470	MERC/6348
35216428003	**B40-1 DUP**	EPA 7470	MERP/6368	EPA 7470	MERC/6348
35216428004	**B40-2**	EPA 7470	MERP/6368	EPA 7470	MERC/6348
35216428005	**B65**	EPA 7470	MERP/6368	EPA 7470	MERC/6348
35216428006	**MO5-B**	EPA 7470	MERP/6368	EPA 7470	MERC/6348
35216428007	**B85**	EPA 7470	MERP/6368	EPA 7470	MERC/6348
35216428001	**EQ Blank 11/12/15**	EPA 8260	MSV/16700		
35216428002	**B40-1**	EPA 8260	MSV/16700		
35216428003	**B40-1 DUP**	EPA 8260	MSV/16700		
35216428004	**B40-2**	EPA 8260	MSV/16700		
35216428005	**B65**	EPA 8260	MSV/16700		
35216428006	**MO5-B**	EPA 8260	MSV/16700		
35216428007	**B85**	EPA 8260	MSV/16700		
35216428008	**TRIP BLANK 11/12/15**	EPA 8260	MSV/16709		
35216428001	**EQ Blank 11/12/15**	SM 2540C	WET/34166		
35216428002	**B40-1**	SM 2540C	WET/34166		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi Annual Mis
Pace Project No.: 35216428

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216428003	**B40-1 DUP**	SM 2540C	WET/34166		
35216428004	**B40-2**	SM 2540C	WET/34166		
35216428005	**B65**	SM 2540C	WET/34166		
35216428006	**MO5-B**	SM 2540C	WET/34166		
35216428007	**B85**	SM 2540C	WET/34167		
35216428001	**EQ Blank 11/12/15**	EPA 300.0	WETA/52096		
35216428002	**B40-1**	EPA 300.0	WETA/52096		
35216428003	**B40-1 DUP**	EPA 300.0	WETA/52096		
35216428004	**B40-2**	EPA 300.0	WETA/52097		
35216428005	**B65**	EPA 300.0	WETA/52097		
35216428006	**MO5-B**	EPA 300.0	WETA/52097		
35216428007	**B85**	EPA 300.0	WETA/52097		
35216428001	**EQ Blank 11/12/15**	EPA 350.1	WETA/52099		
35216428002	**B40-1**	EPA 350.1	WETA/52099		
35216428003	**B40-1 DUP**	EPA 350.1	WETA/52099		
35216428004	**B40-2**	EPA 350.1	WETA/52099		
35216428005	**B65**	EPA 350.1	WETA/52099		
35216428006	**MO5-B**	EPA 350.1	WETA/52099		
35216428007	**B85**	EPA 350.1	WETA/52099		
35216428001	**EQ Blank 11/12/15**	EPA 353.2	WETA/52107		
35216428002	**B40-1**	EPA 353.2	WETA/52107		
35216428003	**B40-1 DUP**	EPA 353.2	WETA/52107		
35216428004	**B40-2**	EPA 353.2	WETA/52107		
35216428005	**B65**	EPA 353.2	WETA/52107		
35216428006	**MO5-B**	EPA 353.2	WETA/52107		
35216428007	**B85**	EPA 353.2	WETA/52107		

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WO# : 35216428

35216428

Request Document

...s must be completed accurately.

Page: 1 of 7

1871852

Section A
Required Client Information:

Company: Volusia County Solid Waste	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Tomoka LF Semi Annual MWS	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location **STATE:** _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: TDS, NO3, Cl	6010, 6020 METALS	Ammonia	EDB 8011	8260 VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EO					11-12-15	1200											Y	Y	Y	Y	Y			
2	B 40-1						1300																			
3	DUPLICATE B 40-2						1300																			
4							1330																			
5	B 65						1410																			
6	MW5-B						1504																			
7	B 85						1625																			
8	TRIP BLANK						0000																			
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)
	DAVID / DACS	11-12-15	1700	Dennis M Clinton	11-12-15	1200	5.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID IVEY

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11-12-15

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MWs	
WELL NO: O	SAMPLE ID: EO	DATE: 11-12-15

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: 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 ICK / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, S	FIELD-FILTERED: Y (N) Filtration Equipment Type: 2	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	1	1
	1		250	H2SO4			Ammonia	1	1
	2	CG	40	ICE			EDB 8011	1	1
	3	1	1	HCl			8260 VOC	1	1

REMARKS:

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

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MW's	
WELL NO: 1	SAMPLE ID: B 40-1 / Duplicate	DATE: 11-12-05

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.89	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)
= (29.60 feet – 5.89 feet) X 0.16 gallons/foot = 3.7936 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): 13	PURGING INITIATED AT: 1205	PURGING ENDED AT: 1252	TOTAL VOLUME PURGED (gallons): 5.875

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)
1236	3.875	3.875	.125	12.76	5.29	22.87	664	0.17	0.47	Yellow	SULFUR
1244	1.00	4.875	.125	12.82	5.29	22.86	664	0.20	0.89	/	/
1252	1.00	5.875	.125	12.90	5.29	22.86	664	0.19	0.21	/	/

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 ICS / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1252	SAMPLING ENDED AT: 1300
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: PE, 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		TDS, NO3, Cl	APP	400
	1	1	250	HNO3	6010, 6020	< 2	6010, 6020	/	/
	1	1	250	H_2SO_4	Ammonia	< 2	Ammonia	/	/
	2	CG	40	HCl	EDB 8011		EDB 8011	/	/
	3	1	1	HCl	8260 VOC	< 2	8260 VOC	/	/

REMARKS:
ORP -59.2 ORP -64.5 ORP -69.7 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)

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 MWs	
WELL NO: 2	SAMPLE ID: B 40-2	DATE: 11-12-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.10	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)
= (17.15 feet – 4.10 feet) X 6.16 gallons/foot = 2.088 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): 7	PURGING INITIATED AT: 1305	PURGING ENDED AT: 1325	TOTAL VOLUME PURGED (gallons): 4.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1316	2.20	2.20	0.20	6.12	5.87	23.45	6.04	0.17	32.39	Yellow	SULFIDE
1319	0.60	2.80	0.20	6.12	5.89	23.44	6.11	0.13	20.63	"	"
1322	0.60	3.40	0.20	6.12	5.89	23.45	6.14	0.12	17.68	"	"
1325	0.60	4.00	0.20	6.12	5.89	23.45	6.16	0.11	16.84	"	"

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: 1325	SAMPLING ENDED AT: 1329
PUMP OR TUBING DEPTH IN WELL (feet): 7	TUBING MATERIAL CODE: PE, 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		5.89	TDS, NO3, Cl,	APP	400
	1	1	250	HNO3		< 2	6010 6020		
	1	1	1	H2SO4		< 2	Ammonia		
	2	CG	40	ICE		5.89	EDB 8011		
	3	1	1	HCL		< 2	8260 VOC		

REMARKS:
ORP -117.6 ORP -121.2 ORP -127.8 ORP -130.0

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 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: 3	SAMPLE ID: B65	DATE: 11-12-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.37	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)

= (12.60 feet – 4.37 feet) X 0.16 gallons/foot = 2.1168 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: 1349	PURGING ENDED AT: 1406	TOTAL VOLUME PURGED (gallons): 3.40

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)
1400	2.20	2.20	0.20	4.53	5.86	23.37	571	0.16	0.93	Yellow	Sulfur
1403	0.60	2.80	0.20	4.53	5.87	23.33	572	0.14	0.88	"	"
1406	0.60	3.40	0.20	4.53	5.87	23.32	573	0.12	0.56	"	"

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: 1406	SAMPLING ENDED AT: 1410
PUMP OR TUBING DEPTH IN WELL (feet): 5	TUBING MATERIAL CODE: PE, 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		5-87	TDS, 003 Cl	APP	400
	1	"	250	HNO_3		<2	6010 6020	"	"
	1	"	1	H_2SO_4		<2	Ammonia	"	"
	2	CG	40	ICE		5.87	EPA 8011	"	"
	3	"	1	HCL		<2	8260 VOC's	"	"

REMARKS:

ORP -154.4 ORP -158.3 ORP -161.4

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 Semi Annual MW's	
WELL NO: 4	SAMPLE ID: MOS-B	DATE: 11-12-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 11.96	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 – 11.96 feet) X 0.16 gallons/foot = 3.8224 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: 1430	PURGING ENDED AT: 1500	TOTAL VOLUME PURGED (gallons): 6.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1450	4.00	4.00	0.20	10.36	6.06	23.43	1070	0.17	0.63	Yellow	SULFUR
1455	1.00	5.00	0.20	10.36	6.05	23.41	1090	0.15	0.48	"	"
1500	1.00	6.00	0.20	10.36	6.06	23.38	1106	0.13	0.48	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ICE / PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1500	SAMPLING ENDED AT: 1504
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: PE, 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		< 2	6010 6020	"	"
	1	1	1	H2SO4		< 2	AMMONIA	"	"
	2	CG	40	ICE			EDB 8011	"	"
	3	1	1	HCL		< 2	8260 VOCS	"	"

REMARKS: ORP -108.0 ORP -111.2 ORP - -112.9 WELL IS STABLE STATIC DEPTH 9.96 OBSERVED SAME CAL

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 MWS	
WELL NO: 5	SAMPLE ID: B85	DATE: 11-12-15

PURGING DATA

7.23 DT

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): ~~9.96~~	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~~ DT feet – ~~9.96~~ 7.23 feet) X 0.16 gallons/foot = 5.7744 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 4.32 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: 1528	PURGING ENDED AT: 1621	TOTAL VOLUME PURGED (gallons): 10.60

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)
1557	5.80	5.80	0.20	7.30	6.25	23.49	1659	0.16	0.73	Yellow	Sulfur
1605	1.60	7.40	0.20	7.30	6.22	23.46	1789	0.15	0.20	"	"
1613	1.60	9.00	0.20	7.30	6.22	23.21	1811	0.13	0.16	"	"
1621	1.60	10.60	0.20	7.30	6.22	23.19	1815	0.12	0.18	"	"

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 / MACTEC	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1621	SAMPLING ENDED AT: 1625
PUMP OR TUBING DEPTH IN WELL (feet): 8	TUBING MATERIAL CODE: PE, 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		6.22	TDS, NO3, Cl	APP	< 400
	1	"	250	HNO3		< 2	6010 6020	"	"
	1	"	250	H2SO4		< 2	Ammon. A	"	"
	2	CG	40	ICE		6.22	EDB 8011	"	"
	3	"	40	HCL		< 2	8260 VOC's	"	"

REMARKS:
ORP -114.4 ORP -107.0 ORP -106.5 ORP -106.0

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

Sample Condition Upon Receipt Form (SCUR)

Table Number:_____

Client Name: Volusia Project # 35216428

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other_____

Tracking # _____

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

Date and Initials of person examining contents: 11/12/15 1700 DRC

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other_____

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

Cooler Temperature °C 1.5 (Visual) +0.0 (Correction Factor) 1.5 (Actual)

#2 5.3 +0.0 5.3

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID:_____

Production Code:_____

Date/Time Opened:_____

Number of Unopened Bottles Remaining:_____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

November 23, 2015

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

RE: Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

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

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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CERTIFICATIONS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

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

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SAMPLE SUMMARY

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35217584001	**EQ Blank 11/19/15 A**	Water	11/19/15 08:00	11/19/15 17:50
35217584002	**B41-2**	Water	11/19/15 08:40	11/19/15 17:50
35217584003	**B41-2 DUP**	Water	11/19/15 08:40	11/19/15 17:50
35217584004	**B1-B**	Water	11/19/15 09:51	11/19/15 17:50
35217584005	**B42-1**	Water	11/19/15 10:30	11/19/15 17:50
35217584006	**B42-2**	Water	11/19/15 10:48	11/19/15 17:50
35217584007	**B85-6**	Water	11/19/15 11:53	11/19/15 17:50
35217584008	**B70-2**	Water	11/19/15 12:25	11/19/15 17:50

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SAMPLE ANALYTE COUNT

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35217584001	**EQ Blank 11/19/15 A**	EPA 353.2	BIP	1	PASI-O
35217584002	**B41-2**	EPA 353.2	BIP	1	PASI-O
35217584003	**B41-2 DUP**	EPA 353.2	BIP	1	PASI-O
35217584004	**B1-B**	EPA 353.2	BIP	1	PASI-O
35217584005	**B42-1**	EPA 353.2	BIP	1	PASI-O
35217584006	**B42-2**	EPA 353.2	BIP	1	PASI-O
35217584007	**B85-6**	EPA 353.2	BIP	1	PASI-O
35217584008	**B70-2**	EPA 353.2	BIP	1	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217584002	**B41-2**					
	Field pH	6.34	Std. Units		11/19/15 08:40	
	Field Temperature	23.01	deg C		11/19/15 08:40	
	Appearance	Color: yellow, Sheen: none			11/19/15 08:40	
	Field Specific Conductance	652	umhos/cm		11/19/15 08:40	
	Oxygen, Dissolved	0.58	mg/L		11/19/15 08:40	
	REDOX	-66.7	mV		11/19/15 08:40	
	Turbidity	1.32	NTU		11/19/15 08:40	
35217584003	**B41-2 DUP**					
	Field pH	6.34	Std. Units		11/19/15 08:40	
	Field Temperature	23.01	deg C		11/19/15 08:40	
	Appearance	Color: yellow, Sheen: none			11/19/15 08:40	
	Field Specific Conductance	652	umhos/cm		11/19/15 08:40	
	Oxygen, Dissolved	0.58	mg/L		11/19/15 08:40	
	REDOX	-66.7	mV		11/19/15 08:40	
	Turbidity	1.32	NTU		11/19/15 08:40	
35217584004	**B1-B**					
	Field pH	6.17	Std. Units		11/19/15 09:51	
	Field Temperature	23.18	deg C		11/19/15 09:51	
	Appearance	Color: yellow, Sheen:none			11/19/15 09:51	
	Field Specific Conductance	1174	umhos/cm		11/19/15 09:51	
	Oxygen, Dissolved	0.22	mg/L		11/19/15 09:51	
	REDOX	-60.2	mV		11/19/15 09:51	
	Turbidity	0.28	NTU		11/19/15 09:51	
EPA 353.2	Nitrogen, Nitrate	0.051	mg/L	0.050	11/20/15 14:26	
35217584005	**B42-1**					
	Field pH	5.53	Std. Units		11/19/15 10:30	
	Field Temperature	22.74	deg C		11/19/15 10:30	
	Appearance	Color: yellow, Sheen: none			11/19/15 10:30	
	Field Specific Conductance	797	umhos/cm		11/19/15 10:30	
	Oxygen, Dissolved	0.27	mg/L		11/19/15 10:30	
	REDOX	-4.9	mV		11/19/15 10:30	
	Turbidity	0.80	NTU		11/19/15 10:30	
EPA 353.2	Nitrogen, Nitrate	0.050	mg/L	0.050	11/20/15 14:27	
35217584006	**B42-2**					
	Field pH	5.77	Std. Units		11/19/15 10:48	
	Field Temperature	23.18	deg C		11/19/15 10:48	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217584006	**B42-2**					
	Appearance	Color: yellow, Sheen: none			11/19/15 10:48	
	Field Specific Conductance	398	umhos/cm		11/19/15 10:48	
	Oxygen, Dissolved	0.13	mg/L		11/19/15 10:48	
	REDOX	15.9	mV		11/19/15 10:48	
	Turbidity	1.68	NTU		11/19/15 10:48	
EPA 353.2	Nitrogen, Nitrate	0.028 I	mg/L	0.050	11/20/15 14:28	
35217584007	**B85-6**					
	Field pH	6.15	Std. Units		11/19/15 11:53	
	Field Temperature	23.47	deg C		11/19/15 11:53	
	Appearance	Color: yellow, Sheen: none			11/19/15 11:53	
	Field Specific Conductance	2315	umhos/cm		11/19/15 11:53	
	Oxygen, Dissolved	0.11	mg/L		11/19/15 11:53	
	REDOX	-52.9	mV		11/19/15 11:53	
	Turbidity	0.28	NTU		11/19/15 11:53	
EPA 353.2	Nitrogen, Nitrate	0.036 I	mg/L	0.050	11/20/15 14:30	
35217584008	**B70-2**					
	Field pH	5.67	Std. Units		11/19/15 12:25	
	Field Temperature	25.17	deg C		11/19/15 12:25	
	Appearance	Color: yellow, Sheen: none			11/19/15 12:25	
	Field Specific Conductance	463	umhos/cm		11/19/15 12:25	
	Oxygen, Dissolved	0.19	mg/L		11/19/15 12:25	
	REDOX	3.4	mV		11/19/15 12:25	
	Turbidity	2.52	NTU		11/19/15 12:25	
EPA 353.2	Nitrogen, Nitrate	0.084	mg/L	0.050	11/20/15 14:33	

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ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: EQ Blank 11/19/15 A **Lab ID: 35217584001** Collected: 11/19/15 08:00 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 14:22		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: B41-2 **Lab ID: 35217584002** Collected: 11/19/15 08:40 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.34**	Std. Units			1		11/19/15 08:40		
Field Temperature	**23.01**	deg C			1		11/19/15 08:40		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 08:40		
Field Specific Conductance	**652**	umhos/cm			1		11/19/15 08:40		
Oxygen, Dissolved	**0.58**	mg/L			1		11/19/15 08:40	7782-44-7	
REDOX	**-66.7**	mV			1		11/19/15 08:40		
Turbidity	**1.32**	NTU			1		11/19/15 08:40		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 14:23		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: B41-2 DUP **Lab ID: 35217584003** Collected: 11/19/15 08:40 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.34**	Std. Units			1		11/19/15 08:40		
Field Temperature	**23.01**	deg C			1		11/19/15 08:40		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 08:40		
Field Specific Conductance	**652**	umhos/cm			1		11/19/15 08:40		
Oxygen, Dissolved	**0.58**	mg/L			1		11/19/15 08:40	7782-44-7	
REDOX	**-66.7**	mV			1		11/19/15 08:40		
Turbidity	**1.32**	NTU			1		11/19/15 08:40		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 14:24		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: B1-B **Lab ID: 35217584004** Collected: 11/19/15 09:51 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.17**	Std. Units			1		11/19/15 09:51		
Field Temperature	**23.18**	deg C			1		11/19/15 09:51		
Appearance	**Color: yellow, Sheen:none**				1		11/19/15 09:51		
Field Specific Conductance	**1174**	umhos/cm			1		11/19/15 09:51		
Oxygen, Dissolved	**0.22**	mg/L			1		11/19/15 09:51	7782-44-7	
REDOX	**-60.2**	mV			1		11/19/15 09:51		
Turbidity	**0.28**	NTU			1		11/19/15 09:51		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.051**	mg/L	0.050	0.025	1		11/20/15 14:26		

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: B42-1 **Lab ID: 35217584005** Collected: 11/19/15 10:30 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.53**	Std. Units			1		11/19/15 10:30		
Field Temperature	**22.74**	deg C			1		11/19/15 10:30		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 10:30		
Field Specific Conductance	**797**	umhos/cm			1		11/19/15 10:30		
Oxygen, Dissolved	**0.27**	mg/L			1		11/19/15 10:30	7782-44-7	
REDOX	**-4.9**	mV			1		11/19/15 10:30		
Turbidity	**0.80**	NTU			1		11/19/15 10:30		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.050**	mg/L	0.050	0.025	1		11/20/15 14:27		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: B42-2 **Lab ID: 35217584006** Collected: 11/19/15 10:48 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.77**	Std. Units			1		11/19/15 10:48		
Field Temperature	**23.18**	deg C			1		11/19/15 10:48		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 10:48		
Field Specific Conductance	**398**	umhos/cm			1		11/19/15 10:48		
Oxygen, Dissolved	**0.13**	mg/L			1		11/19/15 10:48	7782-44-7	
REDOX	**15.9**	mV			1		11/19/15 10:48		
Turbidity	**1.68**	NTU			1		11/19/15 10:48		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.028 I**	mg/L	0.050	0.025	1		11/20/15 14:28		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: B85-6 **Lab ID: 35217584007** Collected: 11/19/15 11:53 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.15**	Std. Units			1		11/19/15 11:53		
Field Temperature	**23.47**	deg C			1		11/19/15 11:53		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 11:53		
Field Specific Conductance	**2315**	umhos/cm			1		11/19/15 11:53		
Oxygen, Dissolved	**0.11**	mg/L			1		11/19/15 11:53	7782-44-7	
REDOX	**-52.9**	mV			1		11/19/15 11:53		
Turbidity	**0.28**	NTU			1		11/19/15 11:53		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.036 I**	mg/L	0.050	0.025	1		11/20/15 14:30		

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Sample: B70-2 **Lab ID: 35217584008** Collected: 11/19/15 12:25 Received: 11/19/15 17:50 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.67**	Std. Units			1		11/19/15 12:25		
Field Temperature	**25.17**	deg C			1		11/19/15 12:25		
Appearance	**Color: yellow, Sheen: none**				1		11/19/15 12:25		
Field Specific Conductance	**463**	umhos/cm			1		11/19/15 12:25		
Oxygen, Dissolved	**0.19**	mg/L			1		11/19/15 12:25	7782-44-7	
REDOX	**3.4**	mV			1		11/19/15 12:25		
Turbidity	**2.52**	NTU			1		11/19/15 12:25		
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.084**	mg/L	0.050	0.025	1		11/20/15 14:33		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

QC Batch: WETA/52331 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217584001, 35217584002, 35217584003, 35217584004, 35217584005, 35217584006, 35217584007, 35217584008

METHOD BLANK: 1399242 Matrix: Water
Associated Lab Samples: 35217584001, 35217584002, 35217584003, 35217584004, 35217584005, 35217584006, 35217584007, 35217584008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/20/15 14:09	

SAMPLE DUPLICATE: 1399244

Parameter	Units	35217583003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.038 I	0.040 I		20	

SAMPLE DUPLICATE: 1399246

Parameter	Units	35217584007 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.036 I	0.036 I		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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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Nitrate Recollects
Pace Project No.: 35217584

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217584002	**B41-2**		FLD/		
35217584003	**B41-2 DUP**		FLD/		
35217584004	**B1-B**		FLD/		
35217584005	**B42-1**		FLD/		
35217584006	**B42-2**		FLD/		
35217584007	**B85-6**		FLD/		
35217584008	**B70-2**		FLD/		
35217584001	**EQ Blank 11/19/15 A**	EPA 353.2	WETA/52331		
35217584002	**B41-2**	EPA 353.2	WETA/52331		
35217584003	**B41-2 DUP**	EPA 353.2	WETA/52331		
35217584004	**B1-B**	EPA 353.2	WETA/52331		
35217584005	**B42-1**	EPA 353.2	WETA/52331		
35217584006	**B42-2**	EPA 353.2	WETA/52331		
35217584007	**B85-6**	EPA 353.2	WETA/52331		
35217584008	**B70-2**	EPA 353.2	WETA/52331		

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WO# : 35217584

35217584

...uest Document

...be completed accurately.

Page: 1 of 1

1871861

Section A
Required Client Information:

Company: Volusia County Solid Waste	
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B
Required Projec...

Report To:	
Copy To:	
Purchase Order No.:	
Project Name: Tomoka Nitrate Recollects	
Project Number:	

...ention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location
STATE: _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): Nitrate Trip Blank	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EB					11-19-15	0800												Y		
2	B 41-2						0840														
3	Duplicate						0840														
4	B 1-B						0951														
5	B 42-1						1030														
6	B 42-2						1048														
7	B 85-6						1153														
8	B 70-2						1225														
9	Trip Blank						0000													J	
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)
		11-19-15	1750	Daniel R Cirino T-212	11-19-15	1250	4.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [illegible]

SIGNATURE of SAMPLER: [illegible]

DATE Signed (MM/DD/YY): 11-19-15

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Form FD 9000-24

GROUNDWATER SAMPLING LOG

TOMOKA NITRATE RECOLLECTS

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF Semi Annual MW
WELL NO:	0	SAMPLE ID:	EQ
DATE:	11-19-15		

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:	SAMPLING ENDED AT: 08.00
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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	250	ICE			NITRATE	BPP	≤ 400

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka Nitrate Recollects	
WELL NO: 1	SAMPLE ID: B41-2/Duplicate	DATE: 11-19-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.82	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)
= (~~17.80~~ 17.80 feet – 5.82 feet) X 0.16 gallons/foot = ~~1.9168~~ 1.9168 OI 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: 8.20	PURGING ENDED AT: 8.39	TOTAL VOLUME PURGED (gallons): 3.80

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)
830	2.00	2.00	0.20	5.93	6.32	23.08	652	1.90	0.70	Yellow	Sulfur
833	0.60	2.60	0.20	5.93	6.33	23.04	653	0.69	0.95	1	1
836	0.60	3.20	0.20	5.93	6.34	23.03	652	0.62	0.28	1	1
839	0.60	3.80	0.20	5.93	6.34	23.01	652	0.58	1.32		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: David Ice/PBSK	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 839	SAMPLING ENDED AT: 840
PUMP OR TUBING DEPTH IN WELL (feet): 7	TUBING MATERIAL CODE: PE, 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	250	ICE		5.93	NITRATE	APP	400

REMARKS:
ORP-43.3 ORP-50.1 ORP-58.9 ORP-66.7

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 Nitrate Recollects	
WELL NO: 2	SAMPLE ID: B1B		DATE: 11-19-15

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		8.35	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (35.90 feet – 8.35 feet) X 0.16 gallons/foot = 4.408 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	0915	0950	7.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0938	4.60	4.60	0.20	8.63	6.19	23.21	1120	0.24	0.41	Yellow	Sulfur
0944	1.20	5.80	0.20	8.63	6.17	2316	1170	0.22	0.31	"	"
0950	1.20	7.00	0.20	8.63	6.17	2318	1174	0.22	0.28	"	"

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		0950	0951

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
9	PE, 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	250	ICE		6.17	NITRATE	APP	400

REMARKS:
ORP -41.8 ORP -56.2 ORP -60.2

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste		SITE LOCATION: Tomoka Nitrate Recollects	
WELL NO: 3	SAMPLE ID: B42-1		DATE: 11-19-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.03	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (31.65 feet – 8.03 feet) X 0.16 gallons/foot = 3.7792 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	11	1000	1029	5.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1019	3.80	3.80	0.20	10.09	5.54	22.83	792	1.15	1.77	Yellow	Sulfur
1024	1.00	4.80	0.20	10.13	5.53	22.76	792	0.56	0.64	1	1
1029	1.00	5.80	0.20	10.16	5.53	22.74	797	0.27	0.88	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		1029	1030

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
11	PE, 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	250	ICE		5.53	NITRATE	APP	< 400

REMARKS:
ORP 3.5 ORP -2.3 ORP - 4.9

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 Nitrate Recollects	
WELL NO:	4	SAMPLE ID:	B42-2	DATE: 11-19-15

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	4.93	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.90 feet – 4.93 feet) X 0.16 gallons/foot = 1.5952 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:	1035	PURGING ENDED AT:	1047	TOTAL VOLUME PURGED (gallons):	2.40

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)
1043	1.60	1.60	0.20	5.67	5.29	23.17	384	0.14	1.88	Yellow	sulfur
1045	0.40	2.00	0.20	5.69	5.28	23.18	391	0.13	1.65	1	1
1047	0.40	2.40	0.20	5.71	5.27	23.18	398	0.13	1.68	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:	1047	SAMPLING ENDED AT:	1048
PUMP OR TUBING DEPTH IN WELL (feet):	6	TUBING MATERIAL CODE:	PES	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	250	ICE		5.77	NITRATE	APP	< 400

REMARKS:
ORP 16.4 ORP 20.6 ORP 15.9

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 Nitrate Recollects
WELL NO:	5	SAMPLE ID:	B 85-6
		DATE:	11-19-15

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet		STATIC DEPTH TO WATER (feet):	2.54	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (50.0 feet – 2.54 feet) X 0.16 gallons/foot = 6.7936 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:	1100	PURGING ENDED AT:	1152	TOTAL VOLUME PURGED (gallons):	9.40

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)
1134	6.80	6.80	0.20	2.65	6.16	23.52	2265	0.10	1.68	Yellow	SULFUR
1143	1.80	7.60	0.20	2.65	6.15	23.50	2287	0.09	0.22		
1152	1.80	9.40	0.20	2.65	6.15	23.47	2315	0.11	0.28		

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:	1152	SAMPLING ENDED AT:	1153
PUMP OR TUBING DEPTH IN WELL (feet):	8	TUBING MATERIAL CODE:	PE, 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	250	Nitrate		6.15	Nitrate	APP	400

REMARKS:
ORP 51.6 ORP -52.4 ORP -52.9

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 Nitrate Recollects		
WELL NO: 6	SAMPLE ID: B70-2	DATE: 11-19-15	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 9.40	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)
= (21.91 feet – 9.40 feet) x 0.16 gallons/foot = 2.0016 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	1205	1224	3.80

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)
1216	2.20	2.20	0.20	1057	5.71	25.18	454	0.27	3.50	Yellow	sulfur
1220	0.80	3.00	0.20	1054	568	25.16	462	0.22	2.56	1	1
1224	0.80	3.80	0.20	1058	567	25.14	463	0.19	2.52	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: 1224	SAMPLING ENDED AT: 1225
PUMP OR TUBING DEPTH IN WELL (feet): 11	TUBING MATERIAL CODE: PE, 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	250	ICE		567	NITRATE	APP	200

REMARKS:
ORP 11.2 ORP 7.2 ORP 3.4

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

Sample Condition Upon Receipt Form (SCUR)

Table Number:_____

Client Name:_____ Project # 35217584

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

Tracking # _____

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

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

Thermometer Used T-212 Type of Ice: (Wet) Blue None

Cooler Temperature°C 0.4 (Visual) +0.0 (Correction Factor) 0.4 (Actual)
4.8 +0.0 4.8

Date and Initials of person examining contents: 11/19/15 1750 DRL

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐Yes ☐No

Receipt of samples satisfactory: ☒Yes ☐No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** _____

Finished Product Information Only

F.P. Sample ID:_____

Production Code:_____

Date/Time Opened:_____

Number of Unopened Bottles Remaining:_____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

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

December 04, 2015

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.: 35217707

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

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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

CERTIFICATIONS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
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.: 35217707

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35217707001	**EQ Blank 11-20-15**	Water	11/20/15 07:45	11/20/15 13:56
35217707002	**B-5**	Water	11/20/15 08:50	11/20/15 13:56
35217707003	**B-5 Dup**	Water	11/20/15 08:50	11/20/15 13:56
35217707004	**B36**	Water	11/20/15 10:01	11/20/15 13:56
35217707005	**B39**	Water	11/20/15 10:54	11/20/15 13:56
35217707006	**B64**	Water	11/20/15 11:45	11/20/15 13:56
35217707007	**B37-1**	Water	11/20/15 12:44	11/20/15 13:56
35217707008	**B37-2**	Water	11/20/15 13:20	11/20/15 13:56
35217707009	**Trip Blank 11/20/15**	Water	11/20/15 00:00	11/20/15 13:56

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

SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35217707001	**EQ Blank 11-20-15**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217707002	**B-5**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217707003	**B-5 Dup**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217707004	**B36**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	BIP	1	PASI-O
35217707005	**B39**	EPA 8011	IRL	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35217707006	**B64**	EPA 8011	IRL	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35217707007	**B37-1**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35217707008	**B37-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	15	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 7470	CKJ	1	PASI-O
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		EPA 300.0	CMB	1	PASI-O
		EPA 350.1	AIS	1	PASI-O
		EPA 353.2	KEK	1	PASI-O
35217707009	**Trip Blank 11/20/15**	EPA 8260	SK	50	PASI-O

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217707001	**EQ Blank 11-20-15**					
EPA 6010	Barium	24.1	ug/L	10.0	12/03/15 21:31	
EPA 6010	Sodium	0.73 I	mg/L	1.0	12/03/15 21:31	V
SM 2540C	Total Dissolved Solids	33.0	mg/L	5.0	11/24/15 16:57	
35217707002	**B-5**					
	Field pH	6.31	Std. Units		11/20/15 08:50	
	Field Temperature	24.03	deg C		11/20/15 08:50	
	Appearance	Color: yellow, Sheen: none			11/20/15 08:50	
	Field Specific Conductance	935	umhos/cm		11/20/15 08:50	
	Oxygen, Dissolved	0.18	mg/L		11/20/15 08:50	
	REDOX	-78.3	mV		11/20/15 08:50	
	Turbidity	0.63	NTU		11/20/15 08:50	
	Water Level(NGVD)	28.55	feet		11/20/15 08:50	
EPA 6010	Barium	96.5	ug/L	10.0	12/03/15 21:35	
EPA 6010	Iron	16600	ug/L	40.0	12/03/15 21:35	
EPA 6010	Sodium	34.0	mg/L	1.0	12/03/15 21:35	
EPA 8260	Chlorobenzene	0.92 I	ug/L	1.0	12/02/15 21:47	
SM 2540C	Total Dissolved Solids	543	mg/L	5.0	11/24/15 16:57	
EPA 300.0	Chloride	26.7	mg/L	10.0	11/22/15 07:10	
EPA 350.1	Nitrogen, Ammonia	0.56	mg/L	0.050	11/21/15 09:07	
EPA 353.2	Nitrogen, Nitrate	0.052	mg/L	0.050	11/20/15 16:42	
35217707003	**B-5 Dup**					
	Field pH	6.31	Std. Units		11/20/15 08:50	
	Field Temperature	24.03	deg C		11/20/15 08:50	
	Appearance	Color: yellow, Sheen: none			11/20/15 08:50	
	Field Specific Conductance	935	umhos/cm		11/20/15 08:50	
	Oxygen, Dissolved	0.18	mg/L		11/20/15 08:50	
	REDOX	-78.3	mV		11/20/15 08:50	
	Turbidity	0.63	NTU		11/20/15 08:50	
	Water Level(NGVD)	28.55	feet		11/20/15 08:50	
EPA 6010	Barium	99.4	ug/L	10.0	12/03/15 21:39	
EPA 6010	Iron	16900	ug/L	40.0	12/03/15 21:39	
EPA 6010	Sodium	35.1	mg/L	1.0	12/03/15 21:39	
EPA 8260	Chlorobenzene	0.92 I	ug/L	1.0	12/02/15 22:38	
SM 2540C	Total Dissolved Solids	546	mg/L	5.0	11/24/15 16:58	
EPA 300.0	Chloride	27.2	mg/L	10.0	11/22/15 07:33	
EPA 350.1	Nitrogen, Ammonia	0.56	mg/L	0.050	11/21/15 09:08	
EPA 353.2	Nitrogen, Nitrate	0.051	mg/L	0.050	11/20/15 16:44	
35217707004	**B36**					
	Field pH	6.25	Std. Units		11/20/15 10:01	
	Field Temperature	23.02	deg C		11/20/15 10:01	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217707004	**B36**					
	Appearance	Color: yellow, Sheen: none			11/20/15 10:01	
	Field Specific Conductance	1972	umhos/cm		11/20/15 10:01	
	Oxygen, Dissolved	0.12	mg/L		11/20/15 10:01	
	REDOX	-71.2	mV		11/20/15 10:01	
	Turbidity	0.77	NTU		11/20/15 10:01	
	Water Level(NGVD)	27.86	feet		11/20/15 10:01	
EPA 6010	Barium	138	ug/L	10.0	12/03/15 21:44	
EPA 6010	Iron	5650	ug/L	40.0	12/03/15 21:44	
EPA 6010	Sodium	123	mg/L	1.0	12/03/15 21:44	
EPA 8260	Benzene	2.4	ug/L	1.0	12/03/15 04:39	
EPA 8260	Chlorobenzene	3.8	ug/L	1.0	12/03/15 04:39	
EPA 8260	1,4-Dichlorobenzene	0.54 I	ug/L	1.0	12/03/15 04:39	
EPA 8260	1,1-Dichloroethane	1.5	ug/L	1.0	12/03/15 04:39	
SM 2540C	Total Dissolved Solids	1280	mg/L	10.0	11/24/15 16:59	
EPA 300.0	Chloride	235	mg/L	25.0	11/22/15 07:55	
EPA 350.1	Nitrogen, Ammonia	0.34	mg/L	0.050	11/21/15 09:16	
EPA 353.2	Nitrogen, Nitrate	0.028 I	mg/L	0.050	11/20/15 16:45	
35217707005	**B39**					
	Field pH	4.70	Std. Units		11/20/15 10:54	
	Field Temperature	24.57	deg C		11/20/15 10:54	
	Appearance	Color: yellow, Sheen: none			11/20/15 10:54	
	Field Specific Conductance	265	umhos/cm		11/20/15 10:54	
	Oxygen, Dissolved	0.19	mg/L		11/20/15 10:54	
	REDOX	0.3	mV		11/20/15 10:54	
	Turbidity	1.98	NTU		11/20/15 10:54	
	Water Level(NGVD)	23.74	feet		11/20/15 10:54	
EPA 6010	Arsenic	18.0	ug/L	10.0	12/03/15 21:48	
EPA 6010	Barium	33.2	ug/L	10.0	12/03/15 21:48	
EPA 6010	Cadmium	0.59 I	ug/L	1.0	12/03/15 21:48	
EPA 6010	Chromium	9.1	ug/L	5.0	12/03/15 21:48	
EPA 6010	Iron	18400	ug/L	40.0	12/03/15 21:48	
EPA 6010	Nickel	2.7 I	ug/L	5.0	12/03/15 21:48	
EPA 6010	Sodium	18.9	mg/L	1.0	12/03/15 21:48	
EPA 6010	Vanadium	28.1	ug/L	10.0	12/03/15 21:48	
EPA 6010	Zinc	11.1 I	ug/L	20.0	12/03/15 21:48	
SM 2540C	Total Dissolved Solids	240	mg/L	5.0	11/24/15 16:59	
EPA 300.0	Chloride	38.7	mg/L	5.0	11/22/15 08:17	
EPA 350.1	Nitrogen, Ammonia	1.6	mg/L	0.050	11/21/15 09:18	
EPA 353.2	Nitrogen, Nitrate	0.052 I	mg/L	0.10	11/21/15 11:14	D3
35217707006	**B64**					
	Field pH	6.17	Std. Units		11/20/15 11:45	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217707006	**B64**					
	Field Temperature	24.21	deg C		11/20/15 11:45	
	Appearance	Color: yellow, Sheen: none			11/20/15 11:45	
	Field Specific Conductance	940	umhos/cm		11/20/15 11:45	
	Oxygen, Dissolved	0.13	mg/L		11/20/15 11:45	
	REDOX	-54.4	mV		11/20/15 11:45	
	Turbidity	6.40	NTU		11/20/15 11:45	
	Water Level(NGVD)	26.54	feet		11/20/15 11:45	
EPA 6010	Barium	112	ug/L	10.0	12/03/15 21:52	
EPA 6010	Cadmium	0.77 I	ug/L	1.0	12/03/15 21:52	
EPA 6010	Iron	24200	ug/L	40.0	12/03/15 21:52	
EPA 6010	Sodium	51.2	mg/L	1.0	12/03/15 21:52	
EPA 8260	Chlorobenzene	5.3	ug/L	1.0	12/03/15 05:31	
EPA 8260	Trichloroethene	0.53 I	ug/L	1.0	12/03/15 05:31	
SM 2540C	Total Dissolved Solids	468	mg/L	5.0	11/24/15 16:59	
EPA 300.0	Chloride	34.7	mg/L	10.0	11/22/15 08:39	
EPA 350.1	Nitrogen, Ammonia	3.1	mg/L	0.050	11/21/15 09:20	
35217707007	**B37-1**					
	Field pH	6.19	Std. Units		11/20/15 12:44	
	Field Temperature	23.48	deg C		11/20/15 12:44	
	Appearance	Color: yellow, Sheen: none			11/20/15 12:44	
	Field Specific Conductance	2625	umhos/cm		11/20/15 12:44	
	Oxygen, Dissolved	0.07	mg/L		11/20/15 12:44	
	REDOX	-110.9	mV		11/20/15 12:44	
	Turbidity	0.80	NTU		11/20/15 12:44	
	Water Level(NGVD)	27.21	feet		11/20/15 12:44	
EPA 6010	Barium	251	ug/L	10.0	12/03/15 21:57	
EPA 6010	Cadmium	1.2	ug/L	1.0	12/03/15 21:57	
EPA 6010	Iron	38800	ug/L	40.0	12/03/15 21:57	
EPA 6010	Sodium	255	mg/L	1.0	12/03/15 21:57	
EPA 8260	Benzene	11.3	ug/L	1.0	12/03/15 05:57	
EPA 8260	Chlorobenzene	8.7	ug/L	1.0	12/03/15 05:57	
EPA 8260	1,4-Dichlorobenzene	0.65 I	ug/L	1.0	12/03/15 05:57	
EPA 8260	Toluene	0.81 I	ug/L	1.0	12/03/15 05:57	
EPA 8260	Trichloroethene	0.51 I	ug/L	1.0	12/03/15 05:57	
EPA 8260	Xylene (Total)	9.4	ug/L	3.0	12/03/15 05:57	
SM 2540C	Total Dissolved Solids	1530	mg/L	20.0	11/24/15 16:59	
EPA 300.0	Chloride	213	mg/L	25.0	11/22/15 09:01	
EPA 350.1	Nitrogen, Ammonia	0.62	mg/L	0.050	11/21/15 09:22	
35217707008	**B37-2**					
	Field pH	5.98	Std. Units		11/20/15 13:20	
	Field Temperature	24.62	deg C		11/20/15 13:20	

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SUMMARY OF DETECTION

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35217707008	**B37-2**					
	Appearance	Color: yellow, Sheen: none			11/20/15 13:20	
	Field Specific Conductance	455	umhos/cm		11/20/15 13:20	
	Oxygen, Dissolved	0.17	mg/L		11/20/15 13:20	
	REDOX	-52.3	mV		11/20/15 13:20	
	Turbidity	4.42	NTU		11/20/15 13:20	
	Water Level(NGVD)	27.58	feet		11/20/15 13:20	
EPA 6010	Arsenic	7.0 I	ug/L	10.0	12/03/15 22:01	
EPA 6010	Barium	25.4	ug/L	10.0	12/03/15 22:01	
EPA 6010	Iron	11700	ug/L	40.0	12/03/15 22:01	
EPA 6010	Sodium	20.3	mg/L	1.0	12/03/15 22:01	
SM 2540C	Total Dissolved Solids	283	mg/L	5.0	11/24/15 17:00	
EPA 300.0	Chloride	26.6	mg/L	5.0	11/22/15 09:23	
EPA 350.1	Nitrogen, Ammonia	0.30	mg/L	0.050	11/21/15 09:23	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: EQ Blank 11-20-15 **Lab ID: 35217707001** Collected: 11/20/15 07:45 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/01/15 16:30	12/03/15 01:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.011	0.0065	1	12/01/15 16:30	12/03/15 01:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:31	7440-38-2	
Barium	**24.1**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:31	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:31	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:31	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:31	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:31	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:31	7440-50-8	
Iron	**20.0 U**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:31	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:31	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:31	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:31	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:31	7440-22-4	
Sodium	**0.73 I**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:31	7440-23-5	V
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:31	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:31	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:30	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:30	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:19	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/02/15 20:31	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 20:31	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/02/15 20:31	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/02/15 20:31	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 20:31	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 20:31	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/02/15 20:31	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/02/15 20:31	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: EQ Blank 11-20-15 **Lab ID: 35217707001** Collected: 11/20/15 07:45 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 20:31	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/02/15 20:31	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/02/15 20:31	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 20:31	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/02/15 20:31	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/02/15 20:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 20:31	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/02/15 20:31	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/02/15 20:31	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/02/15 20:31	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 20:31	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/02/15 20:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		12/02/15 20:31	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		12/02/15 20:31	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		12/02/15 20:31	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**33.0**	mg/L	5.0	5.0	1		11/24/15 16:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**2.5 U**	mg/L	5.0	2.5	1		11/22/15 06:48	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/21/15 09:44	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/20/15 16:39		

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(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B-5 **Lab ID: 35217707002** Collected: 11/20/15 08:50 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.31**	Std. Units			1		11/20/15 08:50		
Field Temperature	**24.03**	deg C			1		11/20/15 08:50		
Appearance	**Color: yellow, Sheen: none**				1		11/20/15 08:50		
Field Specific Conductance	**935**	umhos/cm			1		11/20/15 08:50		
Oxygen, Dissolved	**0.18**	mg/L			1		11/20/15 08:50	7782-44-7	
REDOX	**-78.3**	mV			1		11/20/15 08:50		
Turbidity	**0.63**	NTU			1		11/20/15 08:50		
Water Level(NGVD)	**28.55**	feet			1		11/20/15 08:50		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.022	0.0053	1	12/01/15 16:30	12/03/15 01:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067 U**	ug/L	0.011	0.0067	1	12/01/15 16:30	12/03/15 01:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:35	7440-38-2	
Barium	**96.5**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:35	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:35	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:35	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:35	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:35	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:35	7440-50-8	
Iron	**16600**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:35	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:35	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:35	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:35	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:35	7440-22-4	
Sodium	**34.0**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:35	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:35	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:35	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:33	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:33	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:21	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/02/15 21:47	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 21:47	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/02/15 21:47	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/02/15 21:47	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B-5 **Lab ID: 35217707002** Collected: 11/20/15 08:50 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 21:47	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 21:47	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	56-23-5	
Chlorobenzene	**0.92 I**	ug/L	1.0	0.50	1		12/02/15 21:47	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/02/15 21:47	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/02/15 21:47	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 21:47	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/02/15 21:47	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/02/15 21:47	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 21:47	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/02/15 21:47	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/02/15 21:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 21:47	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/02/15 21:47	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/02/15 21:47	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/02/15 21:47	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 21:47	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/02/15 21:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-114		1		12/02/15 21:47	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		12/02/15 21:47	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		12/02/15 21:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B-5 **Lab ID: 35217707002** Collected: 11/20/15 08:50 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**543**	mg/L	5.0	5.0	1		11/24/15 16:57		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**26.7**	mg/L	10.0	5.0	2		11/22/15 07:10	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.56**	mg/L	0.050	0.020	1		11/21/15 09:07	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.052**	mg/L	0.050	0.025	1		11/20/15 16:42		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B-5 Dup **Lab ID: 35217707003** Collected: 11/20/15 08:50 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.31**	Std. Units			1		11/20/15 08:50		
Field Temperature	**24.03**	deg C			1		11/20/15 08:50		
Appearance	**Color: yellow, Sheen: none**				1		11/20/15 08:50		
Field Specific Conductance	**935**	umhos/cm			1		11/20/15 08:50		
Oxygen, Dissolved	**0.18**	mg/L			1		11/20/15 08:50	7782-44-7	
REDOX	**-78.3**	mV			1		11/20/15 08:50		
Turbidity	**0.63**	NTU			1		11/20/15 08:50		
Water Level(NGVD)	**28.55**	feet			1		11/20/15 08:50		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/01/15 16:30	12/03/15 01:44	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	12/01/15 16:30	12/03/15 01:44	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:39	7440-38-2	
Barium	**99.4**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:39	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:39	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:39	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:39	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:39	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:39	7440-50-8	
Iron	**16900**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:39	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:39	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:39	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:39	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:39	7440-22-4	
Sodium	**35.1**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:39	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:39	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:39	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:35	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:35	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:28	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/02/15 22:38	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 22:38	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/02/15 22:38	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/02/15 22:38	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B-5 Dup **Lab ID: 35217707003** Collected: 11/20/15 08:50 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	74-83-9	J(M1)
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 22:38	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 22:38	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	56-23-5	
Chlorobenzene	**0.92 I**	ug/L	1.0	0.50	1		12/02/15 22:38	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/02/15 22:38	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/02/15 22:38	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 22:38	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/02/15 22:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/02/15 22:38	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 22:38	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/02/15 22:38	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/02/15 22:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/02/15 22:38	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/02/15 22:38	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/02/15 22:38	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/02/15 22:38	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/02/15 22:38	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/02/15 22:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		12/02/15 22:38	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		12/02/15 22:38	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		12/02/15 22:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B-5 Dup **Lab ID: 35217707003** Collected: 11/20/15 08:50 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**546**	mg/L	5.0	5.0	1		11/24/15 16:58		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**27.2**	mg/L	10.0	5.0	2		11/22/15 07:33	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.56**	mg/L	0.050	0.020	1		11/21/15 09:08	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.051**	mg/L	0.050	0.025	1		11/20/15 16:44		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B36 **Lab ID: 35217707004** Collected: 11/20/15 10:01 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.25**	Std. Units			1		11/20/15 10:01		
Field Temperature	**23.02**	deg C			1		11/20/15 10:01		
Appearance	**Color: yellow, Sheen: none**				1		11/20/15 10:01		
Field Specific Conductance	**1972**	umhos/cm			1		11/20/15 10:01		
Oxygen, Dissolved	**0.12**	mg/L			1		11/20/15 10:01	7782-44-7	
REDOX	**-71.2**	mV			1		11/20/15 10:01		
Turbidity	**0.77**	NTU			1		11/20/15 10:01		
Water Level(NGVD)	**27.86**	feet			1		11/20/15 10:01		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0053 U**	ug/L	0.022	0.0053	1	12/01/15 16:30	12/03/15 01:59	96-12-8	
1,2-Dibromoethane (EDB)	**0.0067 U**	ug/L	0.011	0.0067	1	12/01/15 16:30	12/03/15 01:59	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:44	7440-38-2	
Barium	**138**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:44	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:44	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:44	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:44	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:44	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:44	7440-50-8	
Iron	**5650**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:44	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:44	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:44	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:44	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:44	7440-22-4	
Sodium	**123**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:44	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:44	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:44	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:38	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:38	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:32	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/03/15 04:39	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 04:39	107-13-1	
Benzene	**2.4**	ug/L	1.0	0.10	1		12/03/15 04:39	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/03/15 04:39	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B36 **Lab ID: 35217707004** Collected: 11/20/15 10:01 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 04:39	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 04:39	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	56-23-5	
Chlorobenzene	**3.8**	ug/L	1.0	0.50	1		12/03/15 04:39	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/03/15 04:39	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/03/15 04:39	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	95-50-1	
1,4-Dichlorobenzene	**0.54 I**	ug/L	1.0	0.50	1		12/03/15 04:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 04:39	110-57-6	
1,1-Dichloroethane	**1.5**	ug/L	1.0	0.50	1		12/03/15 04:39	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 04:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 04:39	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 04:39	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/03/15 04:39	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/03/15 04:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 04:39	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/03/15 04:39	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/03/15 04:39	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/03/15 04:39	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 04:39	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/03/15 04:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-114		1		12/03/15 04:39	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	86-125		1		12/03/15 04:39	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		12/03/15 04:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B36 **Lab ID: 35217707004** Collected: 11/20/15 10:01 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1280**	mg/L	10.0	10.0	1		11/24/15 16:59		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**235**	mg/L	25.0	12.5	5		11/22/15 07:55	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.34**	mg/L	0.050	0.020	1		11/21/15 09:16	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.028 I**	mg/L	0.050	0.025	1		11/20/15 16:45		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B39 **Lab ID: 35217707005** Collected: 11/20/15 10:54 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**4.70**	Std. Units			1		11/20/15 10:54		
Field Temperature	**24.57**	deg C			1		11/20/15 10:54		
Appearance	**Color: yellow, Sheen: none**				1		11/20/15 10:54		
Field Specific Conductance	**265**	umhos/cm			1		11/20/15 10:54		
Oxygen, Dissolved	**0.19**	mg/L			1		11/20/15 10:54	7782-44-7	
REDOX	**0.3**	mV			1		11/20/15 10:54		
Turbidity	**1.98**	NTU			1		11/20/15 10:54		
Water Level(NGVD)	**23.74**	feet			1		11/20/15 10:54		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/01/15 16:30	12/03/15 02:14	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	12/01/15 16:30	12/03/15 02:14	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**18.0**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:48	7440-38-2	
Barium	**33.2**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:48	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:48	7440-41-7	
Cadmium	**0.59 I**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:48	7440-43-9	
Chromium	**9.1**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:48	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:48	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:48	7440-50-8	
Iron	**18400**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:48	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:48	7439-92-1	
Nickel	**2.7 I**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:48	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:48	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:48	7440-22-4	
Sodium	**18.9**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:48	7440-23-5	
Vanadium	**28.1**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:48	7440-62-2	
Zinc	**11.1 I**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:48	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:40	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:40	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/03/15 05:06	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:06	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/03/15 05:06	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/03/15 05:06	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B39 **Lab ID: 35217707005** Collected: 11/20/15 10:54 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:06	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:06	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/03/15 05:06	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/03/15 05:06	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:06	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 05:06	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 05:06	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:06	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/03/15 05:06	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/03/15 05:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:06	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/03/15 05:06	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/03/15 05:06	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/03/15 05:06	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:06	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/03/15 05:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-114		1		12/03/15 05:06	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	86-125		1		12/03/15 05:06	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		12/03/15 05:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B39 **Lab ID: 35217707005** Collected: 11/20/15 10:54 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**240**	mg/L	5.0	5.0	1		11/24/15 16:59		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**38.7**	mg/L	5.0	2.5	1		11/22/15 08:17	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**1.6**	mg/L	0.050	0.020	1		11/21/15 09:18	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.052 I**	mg/L	0.10	0.050	2		11/21/15 11:14		D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B64 **Lab ID: 35217707006** Collected: 11/20/15 11:45 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.17**	Std. Units			1		11/20/15 11:45		
Field Temperature	**24.21**	deg C			1		11/20/15 11:45		
Appearance	**Color: yellow, Sheen: none**				1		11/20/15 11:45		
Field Specific Conductance	**940**	umhos/cm			1		11/20/15 11:45		
Oxygen, Dissolved	**0.13**	mg/L			1		11/20/15 11:45	7782-44-7	
REDOX	**-54.4**	mV			1		11/20/15 11:45		
Turbidity	**6.40**	NTU			1		11/20/15 11:45		
Water Level(NGVD)	**26.54**	feet			1		11/20/15 11:45		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	12/01/15 16:30	12/03/15 02:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065 U**	ug/L	0.010	0.0065	1	12/01/15 16:30	12/03/15 02:30	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:52	7440-38-2	
Barium	**112**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:52	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:52	7440-41-7	
Cadmium	**0.77 I**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:52	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:52	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:52	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:52	7440-50-8	
Iron	**24200**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:52	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:52	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:52	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:52	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:52	7440-22-4	
Sodium	**51.2**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:52	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:52	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:52	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:43	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:43	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:41	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/03/15 05:31	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:31	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/03/15 05:31	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/03/15 05:31	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B64 **Lab ID: 35217707006** Collected: 11/20/15 11:45 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:31	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:31	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	56-23-5	
Chlorobenzene	**5.3**	ug/L	1.0	0.50	1		12/03/15 05:31	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/03/15 05:31	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/03/15 05:31	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:31	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 05:31	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 05:31	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:31	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/03/15 05:31	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/03/15 05:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:31	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/03/15 05:31	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	79-00-5	
Trichloroethene	**0.53 I**	ug/L	1.0	0.50	1		12/03/15 05:31	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/03/15 05:31	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/03/15 05:31	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:31	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/03/15 05:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		12/03/15 05:31	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	86-125		1		12/03/15 05:31	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		12/03/15 05:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B64 **Lab ID: 35217707006** Collected: 11/20/15 11:45 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**468**	mg/L	5.0	5.0	1		11/24/15 16:59		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**34.7**	mg/L	10.0	5.0	2		11/22/15 08:39	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**3.1**	mg/L	0.050	0.020	1		11/21/15 09:20	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		11/21/15 11:31		D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B37-1 **Lab ID: 35217707007** Collected: 11/20/15 12:44 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.19**	Std. Units			1		11/20/15 12:44		
Field Temperature	**23.48**	deg C			1		11/20/15 12:44		
Appearance	**Color: yellow, Sheen: none**				1		11/20/15 12:44		
Field Specific Conductance	**2625**	umhos/cm			1		11/20/15 12:44		
Oxygen, Dissolved	**0.07**	mg/L			1		11/20/15 12:44	7782-44-7	
REDOX	**-110.9**	mV			1		11/20/15 12:44		
Turbidity	**0.80**	NTU			1		11/20/15 12:44		
Water Level(NGVD)	**27.21**	feet			1		11/20/15 12:44		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0054 U**	ug/L	0.022	0.0054	1	12/02/15 14:15	12/03/15 12:07	96-12-8	
1,2-Dibromoethane (EDB)	**0.0068 U**	ug/L	0.011	0.0068	1	12/02/15 14:15	12/03/15 12:07	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:57	7440-38-2	
Barium	**251**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:57	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:57	7440-41-7	
Cadmium	**1.2**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:57	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:57	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:57	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:57	7440-50-8	
Iron	**38800**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 21:57	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:57	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:57	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 21:57	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 21:57	7440-22-4	
Sodium	**255**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 21:57	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 21:57	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 21:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:45	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:45	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:43	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/03/15 05:57	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:57	107-13-1	
Benzene	**11.3**	ug/L	1.0	0.10	1		12/03/15 05:57	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/03/15 05:57	75-27-4	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B37-1 **Lab ID: 35217707007** Collected: 11/20/15 12:44 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:57	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:57	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	56-23-5	
Chlorobenzene	**8.7**	ug/L	1.0	0.50	1		12/03/15 05:57	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/03/15 05:57	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/03/15 05:57	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	95-50-1	
1,4-Dichlorobenzene	**0.65 I**	ug/L	1.0	0.50	1		12/03/15 05:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:57	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 05:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 05:57	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:57	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/03/15 05:57	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/03/15 05:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 05:57	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/03/15 05:57	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	127-18-4	
Toluene	**0.81 I**	ug/L	1.0	0.50	1		12/03/15 05:57	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	79-00-5	
Trichloroethene	**0.51 I**	ug/L	1.0	0.50	1		12/03/15 05:57	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/03/15 05:57	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/03/15 05:57	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 05:57	75-01-4	
Xylene (Total)	**9.4**	ug/L	3.0	0.50	1		12/03/15 05:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		12/03/15 05:57	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	86-125		1		12/03/15 05:57	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		12/03/15 05:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B37-1 **Lab ID: 35217707007** Collected: 11/20/15 12:44 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**1530**	mg/L	20.0	20.0	1		11/24/15 16:59		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**213**	mg/L	25.0	12.5	5		11/22/15 09:01	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.62**	mg/L	0.050	0.020	1		11/21/15 09:22	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.12 U**	mg/L	0.25	0.12	5		11/21/15 11:32		D3

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B37-2 **Lab ID: 35217707008** Collected: 11/20/15 13:20 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**5.98**	Std. Units			1		11/20/15 13:20		
Field Temperature	**24.62**	deg C			1		11/20/15 13:20		
Appearance	**Color: yellow, Sheen: none**				1		11/20/15 13:20		
Field Specific Conductance	**455**	umhos/cm			1		11/20/15 13:20		
Oxygen, Dissolved	**0.17**	mg/L			1		11/20/15 13:20	7782-44-7	
REDOX	**-52.3**	mV			1		11/20/15 13:20		
Turbidity	**4.42**	NTU			1		11/20/15 13:20		
Water Level(NGVD)	**27.58**	feet			1		11/20/15 13:20		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052 U**	ug/L	0.021	0.0052	1	12/02/15 14:15	12/03/15 12:23	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066 U**	ug/L	0.011	0.0066	1	12/02/15 14:15	12/03/15 12:23	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**7.0 I**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 22:01	7440-38-2	
Barium	**25.4**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 22:01	7440-39-3	
Beryllium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 22:01	7440-41-7	
Cadmium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/03/15 22:01	7440-43-9	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 22:01	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 22:01	7440-48-4	
Copper	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 22:01	7440-50-8	
Iron	**11700**	ug/L	40.0	20.0	1	11/30/15 22:15	12/03/15 22:01	7439-89-6	
Lead	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 22:01	7439-92-1	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 22:01	7440-02-0	
Selenium	**7.5 U**	ug/L	15.0	7.5	1	11/30/15 22:15	12/03/15 22:01	7782-49-2	
Silver	**2.5 U**	ug/L	5.0	2.5	1	11/30/15 22:15	12/03/15 22:01	7440-22-4	
Sodium	**20.3**	mg/L	1.0	0.50	1	11/30/15 22:15	12/03/15 22:01	7440-23-5	
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/30/15 22:15	12/03/15 22:01	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/30/15 22:15	12/03/15 22:01	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:55	7440-36-0	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/30/15 22:15	12/01/15 22:55	7440-28-0	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	**0.10 U**	ug/L	0.20	0.10	1	11/25/15 12:30	11/30/15 21:45	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/03/15 06:23	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 06:23	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/03/15 06:23	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/03/15 06:23	75-27-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B37-2 **Lab ID: 35217707008** Collected: 11/20/15 13:20 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 06:23	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 06:23	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/03/15 06:23	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/03/15 06:23	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 06:23	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 06:23	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 06:23	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 06:23	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/03/15 06:23	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/03/15 06:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 06:23	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/03/15 06:23	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/03/15 06:23	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/03/15 06:23	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 06:23	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/03/15 06:23	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		12/03/15 06:23	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	86-125		1		12/03/15 06:23	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		12/03/15 06:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: B37-2 **Lab ID: 35217707008** Collected: 11/20/15 13:20 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**283**	mg/L	5.0	5.0	1		11/24/15 17:00		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0								
Chloride	**26.6**	mg/L	5.0	2.5	1		11/22/15 09:23	16887-00-6	
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.30**	mg/L	0.050	0.020	1		11/21/15 09:23	7664-41-7	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/21/15 10:47		

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: Trip Blank 11/20/15 **Lab ID: 35217707009** Collected: 11/20/15 00:00 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		12/03/15 03:49	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 03:49	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		12/03/15 03:49	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		12/03/15 03:49	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 03:49	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 03:49	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		12/03/15 03:49	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		12/03/15 03:49	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		12/03/15 03:49	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 03:49	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 03:49	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		12/03/15 03:49	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 03:49	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		12/03/15 03:49	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		12/03/15 03:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		12/03/15 03:49	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		12/03/15 03:49	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		12/03/15 03:49	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		12/03/15 03:49	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		12/03/15 03:49	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Sample: Trip Blank 11/20/15 **Lab ID: 35217707009** Collected: 11/20/15 00:00 Received: 11/20/15 13:56 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		12/03/15 03:49	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-114		1		12/03/15 03:49	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	86-125		1		12/03/15 03:49	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		12/03/15 03:49	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: MERP/6397 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

METHOD BLANK: 1403801 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.10 U	0.20	0.10	11/30/15 21:15	

LABORATORY CONTROL SAMPLE: 1403802

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: 1403805 1403806

Parameter	Units	35217707002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.10 U	2	2	2.0	1.9	98	96	75-125	3	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: MPRP/27573 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

METHOD BLANK: 1405979 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Barium	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Beryllium	ug/L	0.50 U	1.0	0.50	12/04/15 11:12	
Cadmium	ug/L	0.50 U	1.0	0.50	12/04/15 11:12	
Chromium	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Cobalt	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Copper	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Iron	ug/L	20.0 U	40.0	20.0	12/04/15 11:12	
Lead	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Nickel	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Selenium	ug/L	7.5 U	15.0	7.5	12/04/15 11:12	
Silver	ug/L	2.5 U	5.0	2.5	12/04/15 11:12	
Sodium	mg/L	0.50 U	1.0	0.50	12/04/15 11:12	
Vanadium	ug/L	5.0 U	10.0	5.0	12/04/15 11:12	
Zinc	ug/L	10.0 U	20.0	10.0	12/04/15 11:12	

LABORATORY CONTROL SAMPLE: 1405980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	269	108	80-120	
Barium	ug/L	250	266	107	80-120	
Beryllium	ug/L	25	25.6	102	80-120	
Cadmium	ug/L	25	27.7	111	80-120	
Chromium	ug/L	250	266	107	80-120	
Cobalt	ug/L	250	276	110	80-120	
Copper	ug/L	250	269	108	80-120	
Iron	ug/L	2500	2540	102	80-120	
Lead	ug/L	250	273	109	80-120	
Nickel	ug/L	250	276	110	80-120	
Selenium	ug/L	250	266	106	80-120	
Silver	ug/L	25	26.3	105	80-120	
Sodium	mg/L	12.5	13.6	109	80-120	
Vanadium	ug/L	250	270	108	80-120	
Zinc	ug/L	1250	1340	107	80-120	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405987 1405988

Parameter	Units	35217583002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	12.2	250	250	282	274	108	105	75-125	3	20	
Barium	ug/L	99.4	250	250	368	368	108	107	75-125	0	20	
Beryllium	ug/L	0.50 U	25	25	26.9	26.1	107	104	75-125	3	20	
Cadmium	ug/L	0.50 U	25	25	27.1	26.4	108	106	75-125	3	20	
Chromium	ug/L	7.7	250	250	278	274	108	107	75-125	1	20	
Cobalt	ug/L	5.0 U	250	250	272	272	109	108	75-125	0	20	
Copper	ug/L	2.8 I	250	250	277	276	110	109	75-125	0	20	
Iron	ug/L	7200	2500	2500	10600	10400	138	127	75-125	3	20	
Lead	ug/L	5.0 U	250	250	268	265	106	105	75-125	1	20	
Nickel	ug/L	5.6	250	250	274	275	107	108	75-125	1	20	
Selenium	ug/L	7.5 U	250	250	271	268	107	105	75-125	1	20	
Silver	ug/L	2.5 U	25	25	27.1	26.6	108	107	75-125	2	20	
Sodium	mg/L	121	12.5	12.5	136	137	122	130	75-125	1	20	
Vanadium	ug/L	15.4	250	250	290	288	110	109	75-125	1	20	
Zinc	ug/L	10.0 U	1250	1250	1360	1350	108	108	75-125	1	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: MPRP/27574 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

METHOD BLANK: 1405983 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	12/01/15 11:35	
Thallium	ug/L	0.50 U	1.0	0.50	12/01/15 11:35	

LABORATORY CONTROL SAMPLE: 1405984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.4	97	80-120	
Thallium	ug/L	50	50.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405993 1405994

Parameter	Units	35217583003 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	46.1	48.7	92	97	75-125	5	20	
Thallium	ug/L	0.50 U	50	50	50.8	52.7	102	105	75-125	4	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: MSV/16828 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35217707001, 35217707002, 35217707003

METHOD BLANK: 1408197 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	12/02/15 19:41	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	12/02/15 19:41	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	12/02/15 19:41	
2-Hexanone	ug/L	5.0 U	10.0	5.0	12/02/15 19:41	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	12/02/15 19:41	
Acetone	ug/L	10.0 U	20.0	10.0	12/02/15 19:41	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	12/02/15 19:41	
Benzene	ug/L	0.10 U	1.0	0.10	12/02/15 19:41	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	12/02/15 19:41	
Bromoform	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Bromomethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	12/02/15 19:41	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Chloroethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Chloroform	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Chloromethane	ug/L	0.62 U	1.0	0.62	12/02/15 19:41	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	12/02/15 19:41	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	12/02/15 19:41	
Dibromomethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Iodomethane	ug/L	0.50 U	10.0	0.50	12/02/15 19:41	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	12/02/15 19:41	
Styrene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Toluene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	12/02/15 19:41	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	12/02/15 19:41	
Trichloroethene	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

METHOD BLANK: 1408197 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	12/02/15 19:41	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	12/02/15 19:41	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	12/02/15 19:41	
1,2-Dichloroethane-d4 (S)	%	100	86-125		12/02/15 19:41	
4-Bromofluorobenzene (S)	%	100	70-114		12/02/15 19:41	
Toluene-d8 (S)	%	98	87-113		12/02/15 19:41	

LABORATORY CONTROL SAMPLE: 1408198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.5	103	70-130	
1,1,1-Trichloroethane	ug/L	20	19.3	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	22.2	111	70-130	
1,1,2-Trichloroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	20.1	100	70-130	
1,1-Dichloroethene	ug/L	20	20.0	100	70-130	
1,2,3-Trichloropropane	ug/L	20	22.0	110	70-130	
1,2-Dichlorobenzene	ug/L	20	20.4	102	70-130	
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
1,2-Dichloropropane	ug/L	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	20	20.4	102	70-130	
2-Butanone (MEK)	ug/L	40	35.7	89	55-167	
2-Hexanone	ug/L	40	39.0	98	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	36.5	91	70-130	
Acetone	ug/L	40	35.3	88	40-150	
Acrylonitrile	ug/L	200	196	98	70-130	
Benzene	ug/L	20	20.7	104	70-130	
Bromochloromethane	ug/L	20	23.1	116	70-130	
Bromodichloromethane	ug/L	20	20.2	101	70-130	
Bromoform	ug/L	20	19.1	95	68-130	
Bromomethane	ug/L	20	15.6	78	38-179	
Carbon disulfide	ug/L	20	17.3	87	51-155	
Carbon tetrachloride	ug/L	20	19.5	98	70-130	
Chlorobenzene	ug/L	20	20.5	102	70-130	
Chloroethane	ug/L	20	18.1	91	59-149	
Chloroform	ug/L	20	19.9	100	70-130	
Chloromethane	ug/L	20	21.5	107	68-130	
cis-1,2-Dichloroethene	ug/L	20	20.3	101	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.9	104	70-130	
Dibromochloromethane	ug/L	20	20.3	101	70-130	
Dibromomethane	ug/L	20	19.9	100	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	
Iodomethane	ug/L	40	32.3	81	43-160	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

LABORATORY CONTROL SAMPLE: 1408198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	20	20.8	104	70-130	
Styrene	ug/L	20	20.7	104	70-130	
Tetrachloroethene	ug/L	20	14.0	70	66-133	
Toluene	ug/L	20	20.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.7	108	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.5	97	65-130	
Trichloroethene	ug/L	20	20.3	101	70-130	
Trichlorofluoromethane	ug/L	20	19.9	99	70-131	
Vinyl acetate	ug/L	20	24.6	123	69-135	
Vinyl chloride	ug/L	20	18.5	93	69-140	
Xylene (Total)	ug/L	60	62.2	104	70-130	
1,2-Dichloroethane-d4 (S)	%			102	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE SAMPLE: 1408977

Parameter	Units	35217707003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.2	101	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	20.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	21.3	106	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.7	104	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	20.9	104	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	21.2	106	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	20.3	102	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	19.6	98	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	20.6	102	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	36.0	90	70-130	
2-Hexanone	ug/L	5.0 U	40	40.1	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	39.4	98	70-130	
Acetone	ug/L	10.0 U	40	40.9	94	70-130	
Acrylonitrile	ug/L	5.0 U	200	173	86	70-130	
Benzene	ug/L	0.10 U	20	21.4	107	70-130	
Bromochloromethane	ug/L	0.50 U	20	22.4	112	70-130	
Bromodichloromethane	ug/L	0.27 U	20	20.4	102	70-130	
Bromoform	ug/L	0.50 U	20	18.2	91	70-130	
Bromomethane	ug/L	0.50 U	20	12.9	65	70-130	J(M1)
Carbon disulfide	ug/L	5.0 U	20	19.6	98	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	20.9	105	70-130	
Chlorobenzene	ug/L	0.92 I	20	21.5	103	70-130	
Chloroethane	ug/L	0.50 U	20	22.3	111	70-130	
Chloroform	ug/L	0.50 U	20	20.6	103	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

MATRIX SPIKE SAMPLE: 1408977

Parameter	Units	35217707003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/L	0.62 U	20	20.1	100	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	20.4	102	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	19.9	100	70-130	
Dibromochloromethane	ug/L	0.26 U	20	20.0	100	70-130	
Dibromomethane	ug/L	0.50 U	20	19.3	97	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.4	107	70-130	
Iodomethane	ug/L	0.50 U	40	29.8	74	70-130	
Methylene Chloride	ug/L	2.5 U	20	20.6	103	70-130	
Styrene	ug/L	0.50 U	20	20.9	104	70-130	
Tetrachloroethene	ug/L	0.50 U	20	14.2	71	70-130	
Toluene	ug/L	0.50 U	20	20.9	104	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	21.2	106	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	21.6	108	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	18.8	94	70-130	
Trichloroethene	ug/L	0.50 U	20	21.2	106	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	23.1	115	70-130	
Vinyl acetate	ug/L	1.0 U	20	23.1	115	70-130	
Vinyl chloride	ug/L	0.50 U	20	22.6	113	70-130	
Xylene (Total)	ug/L	0.50 U	60	63.9	107	70-130	
1,2-Dichloroethane-d4 (S)	%				97	86-125	
4-Bromofluorobenzene (S)	%				101	70-114	
Toluene-d8 (S)	%				98	87-113	

SAMPLE DUPLICATE: 1408976

Parameter	Units	35217707002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

SAMPLE DUPLICATE: 1408976

Parameter	Units	35217707002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.92 I	1.0		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	97	98	2	40	
4-Bromofluorobenzene (S)	%	101	98	3	40	
Toluene-d8 (S)	%	98	97	1	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: MSV/16829 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35217707004, 35217707005, 35217707006, 35217707007, 35217707008, 35217707009

METHOD BLANK: 1408219 Matrix: Water
Associated Lab Samples: 35217707004, 35217707005, 35217707006, 35217707007, 35217707008, 35217707009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	12/03/15 02:58	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	12/03/15 02:58	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	12/03/15 02:58	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	12/03/15 02:58	
2-Hexanone	ug/L	5.0 U	10.0	5.0	12/03/15 02:58	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	12/03/15 02:58	
Acetone	ug/L	10.0 U	20.0	10.0	12/03/15 02:58	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	12/03/15 02:58	
Benzene	ug/L	0.10 U	1.0	0.10	12/03/15 02:58	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	12/03/15 02:58	
Bromoform	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Bromomethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	12/03/15 02:58	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Chloroethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Chloroform	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Chloromethane	ug/L	0.62 U	1.0	0.62	12/03/15 02:58	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	12/03/15 02:58	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	12/03/15 02:58	
Dibromomethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Iodomethane	ug/L	0.50 U	10.0	0.50	12/03/15 02:58	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	12/03/15 02:58	
Styrene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Toluene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	12/03/15 02:58	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

METHOD BLANK: 1408219 Matrix: Water
Associated Lab Samples: 35217707004, 35217707005, 35217707006, 35217707007, 35217707008, 35217707009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	12/03/15 02:58	
Trichloroethene	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	12/03/15 02:58	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	12/03/15 02:58	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	12/03/15 02:58	
1,2-Dichloroethane-d4 (S)	%	104	86-125		12/03/15 02:58	
4-Bromofluorobenzene (S)	%	99	70-114		12/03/15 02:58	
Toluene-d8 (S)	%	98	87-113		12/03/15 02:58	

LABORATORY CONTROL SAMPLE: 1408220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.5	97	70-130	
1,1,1-Trichloroethane	ug/L	20	20.6	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	23.3	117	70-130	
1,1,2-Trichloroethane	ug/L	20	22.0	110	70-130	
1,1-Dichloroethane	ug/L	20	20.3	101	70-130	
1,1-Dichloroethene	ug/L	20	21.0	105	70-130	
1,2,3-Trichloropropane	ug/L	20	22.2	111	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	22.8	114	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	22.4	112	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	20.8	104	70-130	
1,2-Dichloropropane	ug/L	20	19.9	100	70-130	
1,4-Dichlorobenzene	ug/L	20	19.9	99	70-130	
2-Butanone (MEK)	ug/L	40	48.5	121	55-167	
2-Hexanone	ug/L	40	48.8	122	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	46.3	116	70-130	
Acetone	ug/L	40	47.0	117	40-150	
Acrylonitrile	ug/L	200	226	113	70-130	
Benzene	ug/L	20	21.3	106	70-130	
Bromochloromethane	ug/L	20	21.2	106	70-130	
Bromodichloromethane	ug/L	20	19.9	99	70-130	
Bromoform	ug/L	20	19.7	98	68-130	
Bromomethane	ug/L	20	17.5	88	38-179	
Carbon disulfide	ug/L	20	16.2	81	51-155	
Carbon tetrachloride	ug/L	20	20.0	100	70-130	
Chlorobenzene	ug/L	20	19.8	99	70-130	
Chloroethane	ug/L	20	17.1	86	59-149	
Chloroform	ug/L	20	20.4	102	70-130	
Chloromethane	ug/L	20	19.6	98	68-130	
cis-1,2-Dichloroethene	ug/L	20	21.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.9	104	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

LABORATORY CONTROL SAMPLE: 1408220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/L	20	19.2	96	70-130	
Dibromomethane	ug/L	20	21.5	108	70-130	
Ethylbenzene	ug/L	20	21.2	106	70-130	
Iodomethane	ug/L	40	33.5	84	43-160	
Methylene Chloride	ug/L	20	19.4	97	70-130	
Styrene	ug/L	20	21.8	109	70-130	
Tetrachloroethene	ug/L	20	18.6	93	66-133	
Toluene	ug/L	20	20.7	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.8	104	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.2	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	17.0	85	65-130	
Trichloroethene	ug/L	20	21.1	106	70-130	
Trichlorofluoromethane	ug/L	20	18.9	95	70-131	
Vinyl acetate	ug/L	20	24.2	121	69-135	
Vinyl chloride	ug/L	20	19.4	97	69-140	
Xylene (Total)	ug/L	60	63.9	107	70-130	
1,2-Dichloroethane-d4 (S)	%			97	86-125	
4-Bromofluorobenzene (S)	%			100	70-114	
Toluene-d8 (S)	%			98	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1410334 1410335

Parameter	Units	35218227002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20	20.6	19.6	103	98	70-130	5	40	
1,1,1-Trichloroethane	ug/L	0.50 U	20	20	21.9	21.3	110	106	70-130	3	40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	20	23.0	21.7	115	109	70-130	6	40	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20	21.8	20.6	109	103	70-130	6	40	
1,1-Dichloroethane	ug/L	0.50 U	20	20	21.8	20.4	109	102	70-130	7	40	
1,1-Dichloroethene	ug/L	0.50 U	20	20	22.6	22.2	113	111	70-130	2	40	
1,2,3-Trichloropropane	ug/L	0.59 U	20	20	22.4	20.5	112	103	70-130	9	40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	20	12.0	20.4	60	102	70-130	52	40	J(M1), J(R1)
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	20	21.9	20.6	110	103	70-130	6	40	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20	21.0	20.0	105	100	70-130	5	40	
1,2-Dichloroethane	ug/L	0.50 U	20	20	21.5	19.8	108	99	70-130	8	40	
1,2-Dichloropropane	ug/L	0.50 U	20	20	21.4	19.5	107	98	70-130	9	40	
1,4-Dichlorobenzene	ug/L	0.50 U	20	20	20.2	19.8	101	99	70-130	2	40	
2-Butanone (MEK)	ug/L	5.0 U	40	40	40.6	43.3	102	108	70-130	6	40	
2-Hexanone	ug/L	5.0 U	40	40	41.7	44.8	104	112	70-130	7	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	40	40.3	43.6	101	109	70-130	8	40	
Acetone	ug/L	10.0 U	40	40	42.9	52.3	107	131	70-130	20	40	J(M1)
Acrylonitrile	ug/L	5.0 U	200	200	172	200	86	100	70-130	15	40	
Benzene	ug/L	0.10 U	20	20	22.4	21.2	112	106	70-130	6	40	
Bromochloromethane	ug/L	0.50 U	20	20	21.5	21.3	107	107	70-130	1	40	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1410334 1410335

Parameter	Units	35218227002 Result		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromodichloromethane	ug/L	0.27	U	20	20	20.2	18.8	101	94	70-130	7	40	
Bromoform	ug/L	0.50	U	20	20	19.0	17.0	95	85	70-130	11	40	
Bromomethane	ug/L	0.50	U	20	20	16.6	21.2	83	106	70-130	25	40	
Carbon disulfide	ug/L	5.0	U	20	20	16.6	17.7	83	89	70-130	7	40	
Carbon tetrachloride	ug/L	0.50	U	20	20	21.8	20.8	109	104	70-130	5	40	
Chlorobenzene	ug/L	0.50	U	20	20	21.1	19.9	105	99	70-130	6	40	
Chloroethane	ug/L	0.50	U	20	20	20.8	20.5	104	102	70-130	2	40	
Chloroform	ug/L	0.50	U	20	20	21.7	19.5	108	98	70-130	10	40	
Chloromethane	ug/L	0.62	U	20	20	17.4	20.3	87	102	70-130	16	40	
cis-1,2-Dichloroethene	ug/L	0.50	U	20	20	22.2	21.1	111	105	70-130	5	40	
cis-1,3-Dichloropropene	ug/L	0.25	U	20	20	19.0	17.6	95	88	70-130	8	40	
Dibromochloromethane	ug/L	0.26	U	20	20	19.4	17.9	97	90	70-130	8	40	
Dibromomethane	ug/L	0.50	U	20	20	21.3	19.5	106	98	70-130	9	40	
Ethylbenzene	ug/L	0.50	U	20	20	22.3	21.4	111	107	70-130	4	40	
Iodomethane	ug/L	0.50	U	40	40	28.4	34.8	71	87	70-130	21	40	
Methylene Chloride	ug/L	2.5	U	20	20	18.1	20.3	90	102	70-130	12	40	
Styrene	ug/L	0.50	U	20	20	21.1	20.8	106	104	70-130	2	40	
Tetrachloroethene	ug/L	0.50	U	20	20	13.8	13.4	69	67	70-130	3	40	J(M1)
Toluene	ug/L	0.50	U	20	20	21.8	21.0	108	104	70-130	4	40	
trans-1,2-Dichloroethene	ug/L	0.50	U	20	20	22.8	21.3	114	107	70-130	7	40	
trans-1,3-Dichloropropene	ug/L	0.25	U	20	20	19.4	18.4	97	92	70-130	5	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0	U	20	20	14.8	15.5	74	78	70-130	5	40	
Trichloroethene	ug/L	0.50	U	20	20	21.7	20.5	109	102	70-130	6	40	
Trichlorofluoromethane	ug/L	0.50	U	20	20	22.1	23.1	111	115	70-130	4	40	
Vinyl acetate	ug/L	1.0	U	20	20	19.3	21.7	96	108	70-130	12	40	
Vinyl chloride	ug/L	0.50	U	20	20	20.3	20.8	101	104	70-130	2	40	
Xylene (Total)	ug/L	0.50	U	60	60	67.5	64.7	113	108	70-130	4	40	
1,2-Dichloroethane-d4 (S)	%							98	99	86-125		40	
4-Bromofluorobenzene (S)	%							101	101	70-114		40	
Toluene-d8 (S)	%							99	97	87-113		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.: 35217707

QC Batch: OEXT/25514 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006

METHOD BLANK: 1405921 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	12/02/15 20:09	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	12/02/15 20:09	

LABORATORY CONTROL SAMPLE: 1405922

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.19	76	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.19	77	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1406186 1406187

Parameter	Units	35217870001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0050 U	.88	.44	0.90	0.42	103	97	60-140	72	40	J(R1), L
1,2-Dibromoethane (EDB)	ug/L	0.0063 U	.88	.44	0.85	0.42	97	95	60-140	69	40	J(R1), L

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: OEXT/25519 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35217707007, 35217707008

METHOD BLANK: 1406467 Matrix: Water
Associated Lab Samples: 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	12/03/15 11:37	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	12/03/15 11:37	

LABORATORY CONTROL SAMPLE: 1406468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.18	74	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.17	70	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1407389 1407390

Parameter	Units	35217639001 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	0.0054 U	.44	.44	0.41	0.40	94	91	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0068 U	.44	.44	0.38	0.38	87	86	60-140	1	40	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: WET/34333 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

METHOD BLANK: 1402442 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/24/15 16:54	

LABORATORY CONTROL SAMPLE: 1402443

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

SAMPLE DUPLICATE: 1403125

Parameter	Units	35217639003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2550	2550	0	5	

SAMPLE DUPLICATE: 1403126

Parameter	Units	35217639004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	50.0 U	50.0 U		5	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: WETA/52374 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

METHOD BLANK: 1400689 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	2.5 U	5.0	2.5	11/22/15 04:35	

LABORATORY CONTROL SAMPLE: 1400690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1400691 1400692

Parameter	Units	92276918001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.1	50	50	50.4	50.6	94	95	90-110	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: WETA/52353 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

METHOD BLANK: 1400347 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004, 35217707005, 35217707006, 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/21/15 09:14	

LABORATORY CONTROL SAMPLE: 1400348

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

MATRIX SPIKE SAMPLE: 1400350

Parameter	Units	35217583002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.76	1	1.8	102	90-110	

SAMPLE DUPLICATE: 1400349

Parameter	Units	35217583002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.76	0.76	0	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: WETA/52345 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004

METHOD BLANK: 1399604 Matrix: Water
Associated Lab Samples: 35217707001, 35217707002, 35217707003, 35217707004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/20/15 16:12	

SAMPLE DUPLICATE: 1399606

Parameter	Units	35217601003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.17	0.17	0	20	

SAMPLE DUPLICATE: 1399608

Parameter	Units	35217639002 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.058	0.054	7	20	

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QUALITY CONTROL DATA

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

QC Batch: WETA/52359 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35217707005, 35217707006, 35217707007, 35217707008

METHOD BLANK: 1400415 Matrix: Water
Associated Lab Samples: 35217707005, 35217707006, 35217707007, 35217707008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/21/15 10:32	

SAMPLE DUPLICATE: 1400417

Parameter	Units	35217640001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.025 U		20	

SAMPLE DUPLICATE: 1400419

Parameter	Units	35217751003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	2.5 I	2.5 U		20	

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(386)672-5668

QUALIFIERS

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
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(R1)	Estimated Value. RPD value was outside control limits.
L	Off-scale high. Actual value is known to be greater than value given.
V	Indicates that the analyte was detected in both the sample and the associated method blank.

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka LF Semi Annual MWs
Pace Project No.: 35217707

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217707002	**B-5**		FLD/		
35217707003	**B-5 Dup**		FLD/		
35217707004	**B36**		FLD/		
35217707005	**B39**		FLD/		
35217707006	**B64**		FLD/		
35217707007	**B37-1**		FLD/		
35217707008	**B37-2**		FLD/		
35217707001	**EQ Blank 11-20-15**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217707002	**B-5**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217707003	**B-5 Dup**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217707004	**B36**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217707005	**B39**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217707006	**B64**	EPA 8011	OEXT/25514	EPA 8011	GCSV/16602
35217707007	**B37-1**	EPA 8011	OEXT/25519	EPA 8011	GCSV/16618
35217707008	**B37-2**	EPA 8011	OEXT/25519	EPA 8011	GCSV/16618
35217707001	**EQ Blank 11-20-15**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707002	**B-5**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707003	**B-5 Dup**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707004	**B36**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707005	**B39**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707006	**B64**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707007	**B37-1**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707008	**B37-2**	EPA 3010	MPRP/27573	EPA 6010	ICP/16602
35217707001	**EQ Blank 11-20-15**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707002	**B-5**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707003	**B-5 Dup**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707004	**B36**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707005	**B39**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707006	**B64**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707007	**B37-1**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707008	**B37-2**	EPA 3010	MPRP/27574	EPA 6020	ICPM/11235
35217707001	**EQ Blank 11-20-15**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707002	**B-5**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707003	**B-5 Dup**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707004	**B36**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707005	**B39**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707006	**B64**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707007	**B37-1**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707008	**B37-2**	EPA 7470	MERP/6397	EPA 7470	MERC/6381
35217707001	**EQ Blank 11-20-15**	EPA 8260	MSV/16828		
35217707002	**B-5**	EPA 8260	MSV/16828		
35217707003	**B-5 Dup**	EPA 8260	MSV/16828		
35217707004	**B36**	EPA 8260	MSV/16829		
35217707005	**B39**	EPA 8260	MSV/16829		
35217707006	**B64**	EPA 8260	MSV/16829		

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Pace Analytical Services, Inc.
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.: 35217707

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35217707007	**B37-1**	EPA 8260	MSV/16829		
35217707008	**B37-2**	EPA 8260	MSV/16829		
35217707009	**Trip Blank 11/20/15**	EPA 8260	MSV/16829		
35217707001	**EQ Blank 11-20-15**	SM 2540C	WET/34333		
35217707002	**B-5**	SM 2540C	WET/34333		
35217707003	**B-5 Dup**	SM 2540C	WET/34333		
35217707004	**B36**	SM 2540C	WET/34333		
35217707005	**B39**	SM 2540C	WET/34333		
35217707006	**B64**	SM 2540C	WET/34333		
35217707007	**B37-1**	SM 2540C	WET/34333		
35217707008	**B37-2**	SM 2540C	WET/34333		
35217707001	**EQ Blank 11-20-15**	EPA 300.0	WETA/52374		
35217707002	**B-5**	EPA 300.0	WETA/52374		
35217707003	**B-5 Dup**	EPA 300.0	WETA/52374		
35217707004	**B36**	EPA 300.0	WETA/52374		
35217707005	**B39**	EPA 300.0	WETA/52374		
35217707006	**B64**	EPA 300.0	WETA/52374		
35217707007	**B37-1**	EPA 300.0	WETA/52374		
35217707008	**B37-2**	EPA 300.0	WETA/52374		
35217707001	**EQ Blank 11-20-15**	EPA 350.1	WETA/52353		
35217707002	**B-5**	EPA 350.1	WETA/52353		
35217707003	**B-5 Dup**	EPA 350.1	WETA/52353		
35217707004	**B36**	EPA 350.1	WETA/52353		
35217707005	**B39**	EPA 350.1	WETA/52353		
35217707006	**B64**	EPA 350.1	WETA/52353		
35217707007	**B37-1**	EPA 350.1	WETA/52353		
35217707008	**B37-2**	EPA 350.1	WETA/52353		
35217707001	**EQ Blank 11-20-15**	EPA 353.2	WETA/52345		
35217707002	**B-5**	EPA 353.2	WETA/52345		
35217707003	**B-5 Dup**	EPA 353.2	WETA/52345		
35217707004	**B36**	EPA 353.2	WETA/52345		
35217707005	**B39**	EPA 353.2	WETA/52359		
35217707006	**B64**	EPA 353.2	WETA/52359		
35217707007	**B37-1**	EPA 353.2	WETA/52359		
35217707008	**B37-2**	EPA 353.2	WETA/52359		

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CH… The C…

WO# : 35217707

35217707

Page: 1 of 1

1872371

Section A
Required Client Information:

Company: Volusia County Solid Waste	
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name: Tomoka LF Semi Annual MW-5	
Project Number:	

Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location **STATE:** _____

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: TDS 160.1	METAL (CU, PB, ZN) 6020, 1L	Ammonia 350.1	BTEX 8021	VOCs 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EQ					11-20-15	0745											Y	Y	Y	Y	Y		
2	B5						0850																	
3	Duplicate						0850																	
4	B36						1000	DF																
5	B39						1054																	
6	B C4						1145																	
7	B 32-1						1244																	
8	B 37-2						1320																	
9	TRIP BLANK						0000																	
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	PACE	11-20-15	1356		11/20/15	1356	1.5	Y	N	Y
						T211				

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAN PACE

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): _____

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Volusia County Solid Waste	SITE LOCATION: Tomoka LF Semi Annual MWs
WELL NO: 0	SAMPLE ID: EG
	DATE: 11-20-15

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.1	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)
= (25.90 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: DAUM ICE/PACE	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT: 7.45
PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE, 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		<2	6010, 6020, Hg	1	1
	1	1	1	H2SO4		<2	AMMONIA	1	1
	2	CG	40	ICE			EPA 8011	1	1
	3	1	1	HCL		<2	8260 VOCs	1	1

REMARKS:

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

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

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

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

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

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Volusia County Solid Waste	SITE LOCATION:	Tomoka LF SEMI Annual MWs
WELL NO:	1	SAMPLE ID:	B5 / Duplicate
DATE:	11-20-15		

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.20	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (25.40 feet – 4.20 feet) X 0.16 gallons/foot = 3.392 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	08.00	PURGING ENDED AT	0842	TOTAL VOLUME PURGED (gallons):	8.40

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)
0817	3.40	3.40	0.20	5.65	6.43	23.99	640	1.40	2.50	Yellow	Sulfur
0822	1.00	4.40	0.20	5.68	6.40	23.99	698	0.52	2.26	"	"
0827	1.00	5.40	0.20	5.73	6.36	24.00	699	0.33	1.62	"	"
0832	1.00	6.40	0.20	5.75	6.33	24.04	895	0.20	0.80	"	"
0837	1.00	7.40	0.20	5.77	6.32	24.04	916	0.18	0.45	"	"
0842	1.00	8.40	0.20	5.78	6.31	24.03	935	0.18	0.63	"	"

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:	0842	SAMPLING ENDED AT:	0850
PUMP OR TUBING DEPTH IN WELL (feet):	6	TUBING MATERIAL CODE:	PE, 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		6.31	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		< 2	6010, 6020, Hg	1	1
	1	1	1	H2SO4		< 2	Ammonia	1	1
	2	CG	40	ICE		6.31	EDB 8011	1	1
	3	1	1	HCl		< 2	8260 VOCs	1	1

REMARKS:
ORP -84.4 ORP -82.6 ORP -81.7 ORP -79.7 ORP -78.2 ORP -78.3

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 SEMI Annual Purge
WELL NO: 2	SAMPLE ID: B 36
	DATE: 11-20-15

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)
= (34.20 feet – 1.60 feet) X 0.16 gallons/foot = 5.216 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): 6	PURGING INITIATED AT: 0916	PURGING ENDED AT: 0957	TOTAL VOLUME PURGED (gallons): 8.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0943	5.40	5.40	0.20	5.20	6.24	2301	1949	0.18	1.77	Yellow	Sulfur
0950	1.40	6.80	0.20	5.27	6.24	2288	1963	0.15	1.41	"	"
0957	1.40	8.20	0.20	5.29	6.25	23.02	1972	0.12	0.77	"	"

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: 0952	SAMPLING ENDED AT: 1001
PUMP OR TUBING DEPTH IN WELL (feet): 6	TUBING MATERIAL CODE: PE, 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	1 Ice		6.25	TDS, NO3, Cl	BAP	< 400
	1	"	250	H_2SO_4		<2	6010, 6020, Hg	"	"
	1	"	1	H_2SO_4		<2	Ammonia	"	"
	2	CG	40	1 Ice		6.25	EDB 8011	"	"
	3	"	1	HCl		<2	8260 VOC's	"	"

REMARKS:
ORP -65.5 ORP -68.6 ORP -71.2

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 MWs	
WELL NO: 3	SAMPLE ID: B-39	DATE: 11-20-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.72	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (17.00 feet – 5.72 feet) X 0.16 gallons/foot = 1.8048 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: 1035	PURGING ENDED AT: 1050	TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~mS/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1044	1.80	1.80	0.20	6.29	4.72	24.63	269	034	1.90	Yellow	Sulfur
1047	0.60	2.40	0.20	6.81	4.72	24.61	266	0.03	1.89	1	1
1050	0.60	3.00	0.20	6.83	4.70	24.52	265	0.19	1.88	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: 1050	SAMPLING ENDED AT: 1054
PUMP OR TUBING DEPTH IN WELL (feet): 7	TUBING MATERIAL CODE: PE, 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	PL	1000	ICE		4.70	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		< 2	6010 6020 HG	"	"
	1	1	1	H2SO4		< 2	AMMONIA	"	"
	2	CG	40	ICE		4.70	EDB 8011	"	"
	3	1	1	HCL		< 2	8260 VOCs	"	"

REMARKS:
ORP 26.1 ORP 13.3 ORP 0.3

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 Semi Annual Mtrs
WELL NO: 4	SAMPLE ID: B64
	DATE: 11-20-15

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 1.77	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)
= (17.45 feet – 1.77 feet) X 0.16 gallons/foot = 2.5088 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): 4	PURGING INITIATED AT: 1112	PURGING ENDED AT: 1141	TOTAL VOLUME PURGED (gallons): 6.80

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)
1125	2.60	2.60	0.20	3.26	6.14	24.09	9.32	0.40	36.05	Yellow	Sulfur
1129	0.80	3.40	0.20	3.33	6.17	24.07	9.32	0.21	36.57	"	"
1133	0.80	4.20	0.20	3.35	6.18	24.13	9.36	0.17	19.57	"	"
1137	0.80	6.00	0.20	3.38	6.17	24.11	9.39	0.15	14.64	"	"
1141	0.80	6.80	0.20	3.42	6.17	24.21	9.40	0.13	6.40	"	"

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: 1141	SAMPLING ENDED AT: 1145
PUMP OR TUBING DEPTH IN WELL (feet): 4	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
	1	PE	1000	ICE		6.17	TDS, NO3, Cl	APP	400
	1	"	250	HNO3		<2	6010, 6020, Hg	"	"
	1	"	1	H2SO4		<2	Ammonia	"	"
	2	CG	40	ICE		6.17	RSK-SOM	"	"
	3	"	1	HCl		<2	8260 VOCs	"	"

REMARKS:
ORP -45.9 ORP -51.1 ORP -52.6 ORP -53.4 ORP -54.4

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 MW's

WELL NO: 5 | SAMPLE ID: B-32-1 | DATE: 11-20-15

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 1/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 1.46 | PURGE PUMP TYPE OR BAILER: PP

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

= (37.60 feet – 1.46 feet) x 0.16 gallons/foot = 5.7824 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: 1155 | PURGING ENDED AT: 1240 | TOTAL VOLUME PURGED (gallons): 9.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1224	5.80	5.80	0.20	2.37	6.18	2322	2601	0.10	1.98	Yellow	Sulfur
1232	1.60	7.40	0.20	2.40	6.19	2339	2608	0.08	1.46		
1240	1.60	9.00	0.20	2.40	6.19	2348	2625	0.07	0.80		

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: DAVID ICE / PACE | SAMPLER(S) SIGNATURE(S): | SAMPLING INITIATED AT: 1240 | SAMPLING ENDED AT: 1244

PUMP OR TUBING DEPTH IN WELL (feet): 3 | TUBING MATERIAL CODE: PE, 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		6.19	TDS, NO3, Cl	APP	400
	1	1	250	HNO3		<2	6010, 6020, HG		
	1		1	H2SO4		<2	Ammonia		
	2	CG	40	ICE		6.19	EPA 8011		
	3	1		HCl		<2	8260 VOCs		

REMARKS:
ORP -103.6 ORP -107.4 ORP -110.9

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 Semi Annual MW's
WELL NO:	6	SAMPLE ID:	B 37-2
		DATE:	11-20-15

PURGING DATA

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	1.24	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (16.80 feet – 1.24 feet) X 0.16 gallons/foot = 2.4896 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:	1255	PURGING ENDED AT:	1316	TOTAL VOLUME PURGED (gallons):	4.20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~µS/cm~~	DISSOLVED OXYGEN (circle units) ~~mg/L~~ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1308	2.60	2.60	0.20	2.38	6.02	24.25	459	*0.34	8.58	Yellow	Sulfur
1312	0.80	3.40	0.20	2.40	5.98	24.80	*456	0.21	5.74	1	1
1316	0.80	4.20	0.20	2.42	5.98	24.62	455	0.17	4.42	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:	1316	SAMPLING ENDED AT:	1320
PUMP OR TUBING DEPTH IN WELL (feet):	3	TUBING MATERIAL CODE:	PE, 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	~~FAS, NO~~ MT	5.98	TDS, NO3, Cl	APP	< 400
	1	1	250	HNO3		<2	6010, 6020, HG	1	1
	1		1	H2SO4		<2	Ammonia		
	2	CG	40	ICE		5.98	RSK 8015		
	3	1	1	HCl		<2	8260 VOCs		

REMARKS:
ORP -49.0 ORP -49.2 ORP -52.3

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia County Project # 3521707

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

Tracking # _____

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

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

Thermometer Used T211 Type of Ice: (Wet) Blue None

Cooler Temperature °C #1 1.8 (Visual) -0.3 (Correction Factor) 1.5 (Actual)
#2 0.6 -0.3 0.3

Date and Initials of person examining contents: 11/20/15 LL

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

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

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

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

MONITOR WELL WATER LEVEL
TOMOKA FARMS ROAD LANDFILL

Current month collection date: 11/9/2015
Sampled by: DI

Well ID	Survey (TOC Elevation)	November 2015 Total well depth(TOC)	November 2015 Depth to water	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	April 2012 Water Level	November 2011 Water Level	May 2011 Water Level	November 2010 Water Level
B1-B	28.78	**35.90**	**7.97**	**20.81**	**20.62**	**20.66**	**20.78**	**17.51**	**14.42**	**17.29**	**14.40**	**17.72**	**14.45**	**15.96**
B-2	34.53	**27.30**	**6.22**	**28.31**	**27.81**	**27.98**	**26.33**	**24.01**	**23.23**	**24.43**	**22.91**	**24.56**	**23.39**	**23.17**
B-5	32.59	**25.35**	**4.04**	**28.55**	**28.54**	**28.39**	**28.84**	**27.86**	**27.36**	**28.05**	**25.71**	**27.75**	**25.93**	**25.78**
B8-2	33.37	**33.17**	**6.39**	**26.98**	**27.17**	**26.32**	**27.07**	**26.20**	**25.70**	**26.40**	**25.86**	**27.08**	**25.28**	**25.43**
B11	32.95	**16.75**	**4.81**	**28.14**	**28.40**	**27.73**	**28.45**	**24.83**	**24.23**	**25.41**	**18.54**	**26.01**	**23.76**	**23.73**
B33-1	34.69	**39.65**	**7.13**	**27.56**	**27.64**	**27.15**	**27.29**	**24.22**	**23.35**	**24.41**	**22.61**	**26.02**	**23.09**	**23.49**
B33-2	32.97	**17.85**	**4.80**	**28.17**	**28.34**	**27.77**	**28.07**	**25.90**	**25.36**	**26.11**	**24.49**	**28.06**	**24.83**	**25.16**
B34-1	31.19	**34.05**	**3.04**	**28.15**	**27.69**	**27.89**	**27.39**	**25.78**	**25.56**	**26.95**	**24.47**	**27.53**	**24.87**	**25.18**
B34-2	31.20	**17.85**	**1.90**	**29.30**	**28.96**	**29.20**	**28.60**	**26.51**	**26.71**	**29.02**	**25.10**	**29.42**	**25.48**	**25.43**
B35-1	29.26	**33.75**	**0.90**	**28.36**	**28.36**	**28.36**	**28.46**	**27.69**	**26.79**	**27.84**	**25.94**	**25.94**	**25.07**	**25.49**
B35-2	29.34	**17.55**	**0.82**	**28.52**	**28.44**	**28.43**	**28.49**	**28.06**	**27.28**	**28.08**	**24.81**	**24.81**	**24.92**	**25.54**
B36	29.33	**34.20**	**1.47**	**27.86**	**27.91**	**27.77**	**28.13**	**27.67**	**27.31**	**27.68**	**25.28**	**25.28**	**25.42**	**24.16**
B37-1	28.63	**37.60**	**1.42**	**27.21**	**27.41**	**27.33**	**27.68**	**26.99**	**26.53**	**26.96**	**25.02**	**25.02**	**25.31**	**25.40**
B37-2	28.76	**16.80**	**1.18**	**27.58**	**27.54**	**27.36**	**28.01**	**27.47**	**27.29**	**27.37**	**25.32**	**25.32**	**25.43**	**25.67**
B38-1	28.24	**39.30**	**3.47**	**24.77**	**24.72**	**24.69**	**25.04**	**24.17**	**22.68**	**23.94**	**20.20**	**20.20**	**21.01**	**22.81**
B38-2	28.12	**17.35**	**1.52**	**26.60**	**26.62**	**26.77**	**26.87**	**26.58**	**26.44**	**26.38**	**21.54**	**21.54**	**22.85**	**23.18**
B39	29.09	**17.00**	**5.35**	**23.74**	**23.79**	**23.59**	**25.09**	**23.85**	**17.86**	**22.65**	**11.47**	**23.43**	**18.72**	**19.48**
B40-1	27.77	**29.60**	**5.75**	**22.02**	**21.47**	**21.80**	**22.37**	**20.89**	**17.84**	**19.67**	**15.90**	**20.66**	**16.61**	**17.75**
B40-2	27.67	**17.15**	**3.90**	**23.77**	**23.07**	**23.62**	**24.37**	**23.53**	**20.75**	**20.83**	**16.60**	**22.88**	**17.41**	**18.35**
B41-1	29.16	**NA**	**NA**	**NA**	**NA**	**20.21**	**20.51**	**18.74**	**15.56**	**18.50**	**14.89**	**18.89**	**15.60**	**17.12**
B41-2	29.27	**17.80**	**5.53**	**23.74**	**23.20**	**23.81**	**24.42**	**23.46**	**16.15**	**21.00**	**17.02**	**22.94**	**17.00**	**17.14**
B42-1	28.30	**31.65**	**7.56**	**20.74**	**20.38**	**20.81**	**20.59**	**19.00**	**16.06**	**18.83**	**15.14**	**19.23**	**15.80**	**17.30**
B42-2	28.47	**14.90**	**4.70**	**23.77**	**23.24**	**23.87**	**24.42**	**23.16**	**21.01**	**21.67**	**16.07**	**22.93**	**16.76**	**17.94**
B43-1	28.09	**28.66**	**5.65**	**22.44**	**22.36**	**22.51**	**23.09**	**15.37**	**14.05**	**21.98**	**18.68**	**21.97**	**19.39**	**20.29**
B43-2	28.23	**14.45**	**5.79**	**22.44**	**22.38**	**22.58**	**23.38**	**21.91**	**20.86**	**22.25**	**18.81**	**22.20**	**19.43**	**20.37**
B44	30.03	**14.65**	**6.81**	**23.22**	**23.24**	**23.25**	**23.83**	**22.92**	**23.17**	**23.22**	**20.69**	**23.06**	**21.15**	**21.99**
B45-1	30.28	**NA**	**NA**	**NA**	**NA**	**23.85**	**24.23**	**23.39**	**23.29**	**23.69**	**21.09**	**23.43**	**21.82**	**22.28**
B45-2	30.35	**17.60**	**6.89**	**23.46**	**23.55**	**23.53**	**24.30**	**23.36**	**23.84**	**23.62**	**21.08**	**23.36**	**21.83**	**22.29**
B58-1	29.02	**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**	**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	**35.05**	**6.32**	**26.12**	**26.04**	**25.79**	**25.89**	**20.97**	**20.51**	**21.28**	**19.33**	**19.93**	**19.48**	**18.71**
B59-2R	33.12	**21.85**	**6.63**	**26.49**	**26.47**	**26.21**	**26.42**	**20.79**	**20.66**	**21.04**	**19.26**	**19.72**	**19.39**	**18.46**
B60	32.95	**35.75**	**6.68**	**26.27**	**26.22**	**25.90**	**26.10**	**21.74**	**21.50**	**22.05**	**20.12**	**20.61**	**20.23**	**19.33**

MONITOR WELL WATER LEVEL
TOMOKA FARMS ROAD LANDFILL

Current month collection date: 11/9/2015
Sampled by: DI

Well ID	Survey (TOC Elevation)	November 2015 Total well depth(TOC)	November 2015 Depth to water	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	April 2012 Water Level	November 2011 Water Level	May 2011 Water Level	November 2010 Water Level
B63-1	30.03	**30.30**	**1.90**	**28.13**	**28.15**	**28.05**	**28.58**	**27.66**	**27.15**	**27.86**	**25.50**	**25.50**	**25.59**	**25.87**
B63-2	30.38	**14.20**	**2.11**	**28.27**	**28.20**	**28.10**	**28.43**	**27.82**	**27.42**	**27.97**	**25.45**	**25.45**	**25.47**	**25.74**
B64	28.22	**17.45**	**1.68**	**26.54**	**26.43**	**26.44**	**26.77**	**26.54**	**26.39**	**26.40**	**24.78**	**24.78**	**24.09**	**24.54**
B65	27.97	**17.60**	**4.76**	**23.21**	**23.12**	**23.73**	**24.42**	**23.64**	**15.67**	**20.71**	**16.54**	**22.94**	**16.93**	**17.60**
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**
B68	32.98	**35.72**	**6.24**	**26.74**	**26.79**	**26.18**	**26.68**	**22.83**	**22.26**	**23.14**	**21.58**	**22.81**	**21.95**	**21.48**
FA-1B	32.22	**98.10**	**12.12**	**20.10**	**NA**	**19.07**	**18.82**	**17.31**	**15.11**	**18.12**	**14.18**	**14.18**	**15.10**	**17.13**
FA-2C	28.10	**95.50**	**11.95**	**16.15**	**15.54**	**15.60**	**15.45**	**13.00**	**10.41**	**13.24**	**9.45**	**13.31**	**10.06**	**12.26**
MO5-B	29.80	**35.85**	**9.80**	**20.00**	**19.82**	**19.80**	**19.95**	**17.54**	**14.78**	**17.59**	**13.90**	**18.95**	**14.58**	**16.05**
B70-1	31.03	**38.13**	**9.00**	**22.03**	**21.15**	**23.53**	**24.03**	**23.13**	**22.76**	**23.02**	**18.68**	**21.03**	**19.25**	**19.51**
B70-2	31.51	**21.91**	**9.32**	**22.19**	**21.42**	**24.01**	**24.61**	**23.71**	**23.31**	**23.49**	**18.98**	**21.34**	**19.64**	**19.68**
B71	30.75	**21.35**	**9.00**	**21.75**	**21.13**	**24.15**	**24.05**	**23.55**	**22.88**	**23.94**	**18.81**	**21.32**	**19.5**	**19.25**
B72	28.93	**21.50**	**7.22**	**21.71**	**21.01**	**23.66**	**23.53**	**23.13**	**23.03**	**23.44**	**18.71**	**21.31**	**19.38**	**18.85**
B73-1	29.20	**37.33**	**7.91**	**21.29**	**20.24**	**22.5**	**22.7**	**22**	**21.03**	**22.3**	**18.02**	**20.93**	**18.4**	**18.39**
B73-2	28.95	**20.38**	**7.20**	**21.75**	**20.98**	**23.21**	**23.35**	**22.75**	**22.71**	**23.3**	**18.64**	**21.38**	**19.08**	**18.9**
B74	33.78	**33.15**	**4.75**	**29.03**	**29.13**	**28.55**	**29.48**	**28.78**	**30.16**	**23.73**	**18.38**	**19.33**	**18.55**	**18.36**
B75	31.62	**21.00**	**10.00**	**21.62**	**19.99**	**24.61**	**23.12**	**23.87**	**21.45**	**23.43**	**19.19**	**20.02**	**19.1**	**18.87**
F-MB	33.88	**99.33**	**14.46**	**19.42**	**18.98**	**18.6**	**18.53**	**17.08**	**14.79**	**17.71**	**13.76**	**17.58**	**14.61**	**16.44**
B82-1	30.78	**38.63**	**7.83**	**22.95**	**23.15**									
B85	27.07	**43.32**	**7.08**	**19.99**	**17.28**									
B85-6	27.02	**50.00**	**7.13**	**19.89**	**19.6**									
B87-6	29.37	**53.20**	**9.90**	**19.47**	**19.19**									
MW100-6	31.71	**53.00**	**9.33**	**22.38**										

SW ID	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	November 2011 Staff Gauge	May 2011 Staff Gauge	November 2010 Staff Gauge	
SW-1	**NA**	**Dry**	**4.05**	**2.7**	**1.7**	**0.9**	**1.89**	**0.82**	**4.78**	**4.76**	**4.78**
SW-2	**4.95**	**5.05**	**5.15**	**5.40**	**4.05**	**2.78**	**4.23**	**2**	**2.9**	**1.96**	**1.9**
SW-3	**1.70**	**1.15**	**1.60**	**2.10**	**1.70**	**0.00**	**1.28**	**Dry**	**1.94**	**N/A**	**N/A**
SW-4	**2.90**	**3.05**	**3.15**	**3.30**	**2.00**	**0.75**	**2.25**	**Dry**	**1.18**	**N/A**	**N/A**
SW-5	**4.00**	**2.85**	**3.95**	**3.20**	**0.20**	**2.15**	**0.68**	**0.625**	**N/A**	**2.9**	**N/A**
SW-11	**4.25**	**1.05**	**NA**	**5.56**	**NA**	**2.30**	**5.7**	**1.5**	**2.5**	**1.1**	**1.19**
SW-12	**4.45**	**4.25**	**4.15**	**4.30**	**4.20**	**3.98**	**4.30**	**2.43**	**N/A**	**2.7**	**2.1**
North Leachate Pond	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.8**				
South Leachate Pond	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**dry**				

Created by: Jeff Baylor, Project Manager

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

November 23, 2015

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

RE: Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Dear Ms. Stirk:
Enclosed are the analytical results for sample(s) received by the laboratory on November 12, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Jeff Baylor
jeff.baylor@pacelabs.com
Project Manager

Enclosures

cc: John Catches, HDR Engineering, Inc.
Handi Wang, Volusia County Solid Waste Man

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Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
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

Asheville Certification IDs
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35216300001	**SW-3**	Water	11/12/15 07:30	11/12/15 12:09
35216300002	**SW-2**	Water	11/12/15 08:10	11/12/15 12:09
35216300003	**SW-4**	Water	11/12/15 08:30	11/12/15 12:09
35216300004	**SW-5**	Water	11/12/15 09:00	11/12/15 12:09
35216300005	**SW-11**	Water	11/12/15 09:30	11/12/15 12:09
35216300006	**SW-12**	Water	11/12/15 10:00	11/12/15 12:09
35216300007	**SW-1**	Water	11/12/15 10:50	11/12/15 12:09
35216300008	**Trip Blank SW 11/12/15**	Water	11/12/15 00:00	11/12/15 12:09

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35216300001	**SW-3**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	10	PASI-O
		EPA 6020	CKJ	8	PASI-O
		SM 9222D	NMT	1	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		SM 2540D	XDP	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	RT1	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	AIS	2	PASI-O
		EPA 351.2	KHC	1	PASI-O
		EPA 353.2	AEM	2	PASI-O
		EPA 365.4	KHC	1	PASI-O
		EPA 410.4	KHC	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35216300002	**SW-2**	EPA 8011	AYF	2	PASI-O
		EPA 6010	TAP	10	PASI-O
		EPA 6020	DRS	8	PASI-O
		SM 9222D	NMT	1	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		SM 2540D	XDP	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	RT1	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	AIS	2	PASI-O
		EPA 351.2	KHC	1	PASI-O
		EPA 353.2	AEM	2	PASI-O
		EPA 365.4	KHC	1	PASI-O
		EPA 410.4	KHC	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35216300003	**SW-4**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	10	PASI-O
		EPA 6020	DRS	8	PASI-O

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 9222D	NMT	1	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		SM 2540D	XDP	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	RT1	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	AIS	2	PASI-O
		EPA 351.2	KHC	1	PASI-O
		EPA 353.2	AEM	2	PASI-O
		EPA 365.4	KHC	1	PASI-O
		EPA 410.4	KHC	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35216300004	**SW-5**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	10	PASI-O
		EPA 6020	DRS	8	PASI-O
		SM 9222D	NMT	1	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		SM 2540D	XDP	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	RT1	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	AIS	2	PASI-O
		EPA 351.2	KHC	1	PASI-O
		EPA 353.2	AEM	2	PASI-O
		EPA 365.4	KHC	1	PASI-O
		EPA 410.4	KHC	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35216300005	**SW-11**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	10	PASI-O
		EPA 6020	DRS	8	PASI-O
		SM 9222D	NMT	1	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	KCT	1	PASI-O
		SM 2540D	KCT	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	RT1	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	AIS	2	PASI-O
		EPA 351.2	KHC	1	PASI-O
		EPA 353.2	AEM	2	PASI-O
		EPA 365.4	KHC	1	PASI-O
		EPA 410.4	KHC	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35216300006	**SW-12**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	10	PASI-O
		EPA 6020	DRS	8	PASI-O
		SM 9222D	NMT	1	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		SM 2540D	KCT	1	PASI-O
		SM 5210B	AGS	1	PASI-O
		SM10200	RT1	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	AIS	2	PASI-O
		EPA 351.2	KHC	1	PASI-O
		EPA 353.2	AEM	2	PASI-O
		EPA 365.4	KHC	1	PASI-O
		EPA 410.4	KHC	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35216300007	**SW-1**	EPA 8011	AYF	2	PASI-O
		EPA 6010	MEW	10	PASI-O
		EPA 6020	DRS	8	PASI-O
		SM 9222D	NMT	1	PASI-O
		EPA 1631E	HVK	1	PASI-A
		EPA 8260	SK	48	PASI-O
		SM 2540C	KCT	1	PASI-O
		SM 2540D	KCT	1	PASI-O
		SM 5210B	AGS	1	PASI-O

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Ormond Beach, FL 32174
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SAMPLE ANALYTE COUNT

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM10200	RT1	1	PASI-O
		TKN+NOx Calculation	TLK	1	PASI-O
		EPA 350.1	AIS	2	PASI-O
		EPA 351.2	KHC	1	PASI-O
		EPA 353.2	AEM	2	PASI-O
		EPA 365.4	KHC	1	PASI-O
		EPA 410.4	KHC	1	PASI-O
		SM 5310B	AEM	1	PASI-O
35216300008	**Trip Blank SW 11/12/15**	EPA 8260	SK	50	PASI-O

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8 East Tower Circle
Ormond Beach, FL 32174
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SUMMARY OF DETECTION

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216300001	**SW-3**					
	Field pH	6.49	Std. Units		11/12/15 07:30	
	Field Temperature	22.39	deg C		11/12/15 07:30	
	Appearance	Color: yellow, Sheen: none			11/12/15 07:30	
	Field Specific Conductance	335	umhos/cm		11/12/15 07:30	
	Oxygen, Dissolved	1.78	mg/L		11/12/15 07:30	
	Turbidity	16.65	NTU		11/12/15 07:30	
EPA 6010	Barium	21.2	ug/L	10.0	11/20/15 14:21	
EPA 6010	Iron	529	ug/L	40.0	11/20/15 14:21	
EPA 6010	Sodium	16.6	mg/L	1.0	11/20/15 14:21	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	102	mg/L	3.2	11/20/15 14:21	
SM 9222D	Fecal Coliforms	60.0	CFU/100 mL	1.0	11/13/15 16:23	Z
EPA 1631E	Mercury	0.00102	ug/L	0.00050	11/20/15 17:03	
EPA 8260	Toluene	0.52 I	ug/L	1.0	11/19/15 03:41	
SM 2540C	Total Dissolved Solids	225	mg/L	5.0	11/16/15 09:39	
SM 2540D	Total Suspended Solids	5.0	mg/L	5.0	11/14/15 14:08	
SM 5210B	BOD, 5 day	3.0	mg/L	2.0	11/17/15 14:19	
SM10200	Chlorophyll a	8.7 I	ug/L	11.4	11/18/15 14:00	
TKN+NOx Calculation	Total Nitrogen	1.3	mg/L	0.50	11/19/15 15:00	
EPA 350.1	Nitrogen, Ammonia	0.045 I	mg/L	0.050	11/13/15 09:18	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.3	mg/L	0.50	11/19/15 13:36	
EPA 365.4	Phosphorus, Total (as P)	0.068 I	mg/L	0.10	11/19/15 13:36	
EPA 410.4	Chemical Oxygen Demand	79.5	mg/L	20.0	11/19/15 16:09	
SM 5310B	Total Organic Carbon	25.2	mg/L	1.0	11/13/15 21:41	
35216300002	**SW-2**					
	Field pH	6.97	Std. Units		11/12/15 08:10	
	Field Temperature	22.59	deg C		11/12/15 08:10	
	Appearance	Color: yellow, Sheen: none			11/12/15 08:10	
	Field Specific Conductance	381	umhos/cm		11/12/15 08:10	
	Oxygen, Dissolved	2.59	mg/L		11/12/15 08:10	
	Turbidity	4.78	NTU		11/12/15 08:10	
EPA 6010	Barium	43.3	ug/L	10.0	11/20/15 14:33	
EPA 6010	Iron	3420	ug/L	40.0	11/20/15 14:33	
EPA 6010	Sodium	31.9	mg/L	5.0	11/20/15 14:37	D3
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	134	mg/L	3.2	11/20/15 14:33	
EPA 6010	Zinc	10.3 I	ug/L	20.0	11/20/15 14:33	
EPA 6020	Lead	1.0	ug/L	1.0	11/19/15 15:14	
SM 9222D	Fecal Coliforms	65.0	CFU/100 mL	1.0	11/13/15 16:23	B
EPA 1631E	Mercury	0.00220	ug/L	0.00050	11/20/15 17:26	
SM 2540C	Total Dissolved Solids	227	mg/L	5.0	11/16/15 09:40	
SM 2540D	Total Suspended Solids	69.5	mg/L	5.0	11/14/15 14:08	
SM 5210B	BOD, 5 day	3.4	mg/L	2.0	11/17/15 14:21	
SM10200	Chlorophyll a	22.5	ug/L	5.1	11/18/15 14:00	

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SUMMARY OF DETECTION

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216300002	**SW-2**					
TKN+NOx Calculation	Total Nitrogen	1.4	mg/L	0.50	11/19/15 15:00	
EPA 350.1	Nitrogen, Ammonia	0.032 I	mg/L	0.050	11/13/15 09:19	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.3	mg/L	0.50	11/19/15 13:37	
EPA 353.2	Nitrogen, Nitrate	0.041 I	mg/L	0.050	11/13/15 14:45	
EPA 353.2	Nitrogen, NO2 plus NO3	0.041 I	mg/L	0.050	11/13/15 14:45	
EPA 365.4	Phosphorus, Total (as P)	0.062 I	mg/L	0.10	11/19/15 13:37	
EPA 410.4	Chemical Oxygen Demand	38.4	mg/L	20.0	11/19/15 16:09	
SM 5310B	Total Organic Carbon	11.3	mg/L	1.0	11/13/15 21:53	
35216300003	**SW-4**					
	Field pH	6.77	Std. Units		11/12/15 08:30	
	Field Temperature	21.97	deg C		11/12/15 08:30	
	Appearance	Color: yellow, Sheen: none			11/12/15 08:30	
	Field Specific Conductance	386	umhos/cm		11/12/15 08:30	
	Oxygen, Dissolved	1.23	mg/L		11/12/15 08:30	
	Turbidity	1.72	NTU		11/12/15 08:30	
EPA 6010	Barium	22.6	ug/L	10.0	11/20/15 22:32	
EPA 6010	Iron	226	ug/L	40.0	11/20/15 22:32	
EPA 6010	Sodium	29.1	mg/L	1.0	11/20/15 22:32	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	116	mg/L	3.2	11/20/15 22:32	
SM 9222D	Fecal Coliforms	112	CFU/100 mL	1.0	11/13/15 16:23	B
EPA 1631E	Mercury	0.00126	ug/L	0.00050	11/20/15 15:01	
SM 2540C	Total Dissolved Solids	232	mg/L	5.0	11/16/15 09:41	
SM10200	Chlorophyll a	5.8	ug/L	5.0	11/18/15 14:00	
TKN+NOx Calculation	Total Nitrogen	1.0	mg/L	0.50	11/19/15 15:00	
EPA 350.1	Nitrogen, Ammonia	0.048 I	mg/L	0.050	11/13/15 09:21	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.0	mg/L	0.50	11/19/15 13:39	
EPA 410.4	Chemical Oxygen Demand	39.0	mg/L	20.0	11/19/15 16:09	
SM 5310B	Total Organic Carbon	12.5	mg/L	1.0	11/13/15 22:33	
35216300004	**SW-5**					
	Field pH	7.01	Std. Units		11/12/15 09:00	
	Field Temperature	23.82	deg C		11/12/15 09:00	
	Appearance	Color: yellow, Sheen: none			11/12/15 09:00	
	Field Specific Conductance	499	umhos/cm		11/12/15 09:00	
	Oxygen, Dissolved	0.94	mg/L		11/12/15 09:00	
	Turbidity	7.11	NTU		11/12/15 09:00	
EPA 6010	Barium	49.3	ug/L	10.0	11/20/15 22:36	
EPA 6010	Iron	3000	ug/L	40.0	11/20/15 22:36	
EPA 6010	Sodium	30.4	mg/L	1.0	11/20/15 22:36	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	185	mg/L	3.2	11/20/15 22:36	
SM 9222D	Fecal Coliforms	32.0	CFU/100 mL	1.0	11/13/15 16:23	
EPA 1631E	Mercury	0.00169	ug/L	0.00050	11/20/15 15:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216300004	**SW-5**					
EPA 8260	Chloroform	0.85 I	ug/L	1.0	11/19/15 05:22	
SM 2540C	Total Dissolved Solids	312	mg/L	5.0	11/16/15 09:41	
SM 2540D	Total Suspended Solids	6.5	mg/L	5.0	11/14/15 14:08	
SM 5210B	BOD, 5 day	3.6	mg/L	2.0	11/17/15 14:23	
SM10200	Chlorophyll a	26.1	ug/L	8.2	11/18/15 14:00	
TKN+NOx Calculation	Total Nitrogen	2.7	mg/L	0.50	11/19/15 15:00	
EPA 350.1	Nitrogen, Ammonia	0.93	mg/L	0.050	11/13/15 09:26	
EPA 351.2	Nitrogen, Kjeldahl, Total	2.6	mg/L	0.50	11/19/15 13:40	
EPA 353.2	Nitrogen, Nitrate	0.072	mg/L	0.050	11/13/15 14:48	
EPA 353.2	Nitrogen, NO2 plus NO3	0.072	mg/L	0.050	11/13/15 14:48	
EPA 365.4	Phosphorus, Total (as P)	0.062 I	mg/L	0.10	11/19/15 13:40	
EPA 410.4	Chemical Oxygen Demand	79.3	mg/L	20.0	11/19/15 16:09	
SM 5310B	Total Organic Carbon	22.0	mg/L	1.0	11/16/15 13:31	
35216300005	**SW-11**					
	Field pH	7.24	Std. Units		11/12/15 09:30	
	Field Temperature	26.60	deg C		11/12/15 09:30	
	Appearance	Color: yellow, Sheen: none			11/12/15 09:30	
	Field Specific Conductance	487	umhos/cm		11/12/15 09:30	
	Oxygen, Dissolved	0.73	mg/L		11/12/15 09:30	
	Turbidity	4.60	NTU		11/12/15 09:30	
EPA 6010	Barium	30.1	ug/L	10.0	11/20/15 22:40	
EPA 6010	Iron	768	ug/L	40.0	11/20/15 22:40	
EPA 6010	Sodium	31.9	mg/L	1.0	11/20/15 22:40	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	192	mg/L	3.2	11/20/15 22:40	
SM 9222D	Fecal Coliforms	108	CFU/100 mL	1.0	11/13/15 16:23	B
EPA 1631E	Mercury	0.00134	ug/L	0.00050	11/20/15 17:34	
SM 2540C	Total Dissolved Solids	312	mg/L	5.0	11/16/15 09:42	
SM10200	Chlorophyll a	6.7	ug/L	6.2	11/18/15 14:00	
TKN+NOx Calculation	Total Nitrogen	0.90	mg/L	0.50	11/19/15 15:00	
EPA 351.2	Nitrogen, Kjeldahl, Total	0.90	mg/L	0.50	11/19/15 13:41	
EPA 410.4	Chemical Oxygen Demand	50.9	mg/L	20.0	11/19/15 16:09	
SM 5310B	Total Organic Carbon	16.9	mg/L	1.0	11/16/15 13:46	
35216300006	**SW-12**					
	Field pH	7.24	Std. Units		11/12/15 10:00	
	Field Temperature	26.60	deg C		11/12/15 10:00	
	Appearance	Color: yellow, Sheen: none			11/12/15 10:00	
	Field Specific Conductance	487	umhos/cm		11/12/15 10:00	
	Oxygen, Dissolved	0.73	mg/L		11/12/15 10:00	
	Turbidity	2.31	NTU		11/12/15 10:00	
EPA 6010	Barium	29.7	ug/L	10.0	11/20/15 22:45	
EPA 6010	Iron	20.2 I	ug/L	40.0	11/20/15 22:45	

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SUMMARY OF DETECTION

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35216300006	**SW-12**					
EPA 6010	Sodium	25.8	mg/L	1.0	11/20/15 22:45	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	161	mg/L	3.2	11/20/15 22:45	
EPA 6020	Antimony	0.76 I	ug/L	1.0	11/19/15 15:38	
SM 9222D	Fecal Coliforms	70.0	CFU/100 mL	1.0	11/13/15 16:23	B
EPA 1631E	Mercury	0.000812	ug/L	0.00050	11/20/15 17:41	
SM 2540C	Total Dissolved Solids	279	mg/L	5.0	11/16/15 09:42	
SM10200	Chlorophyll a	8.8	ug/L	5.0	11/18/15 14:00	
TKN+NOx Calculation	Total Nitrogen	1.4	mg/L	0.50	11/19/15 15:00	
EPA 351.2	Nitrogen, Kjeldahl, Total	1.1	mg/L	0.50	11/19/15 13:43	
EPA 353.2	Nitrogen, Nitrate	0.23	mg/L	0.050	11/13/15 14:53	
EPA 353.2	Nitrogen, NO2 plus NO3	0.31	mg/L	0.050	11/13/15 14:53	
EPA 410.4	Chemical Oxygen Demand	39.6	mg/L	20.0	11/19/15 16:09	
SM 5310B	Total Organic Carbon	12.4	mg/L	1.0	11/16/15 13:59	
35216300007	**SW-1**					
	Field pH	7.65	Std. Units		11/12/15 10:50	
	Field Temperature	27.79	deg C		11/12/15 10:50	
	Appearance	Color: yellow, Sheen: none			11/12/15 10:50	
	Field Specific Conductance	453	umhos/cm		11/12/15 10:50	
	Oxygen, Dissolved	4.19	mg/L		11/12/15 10:50	
	Turbidity	2.31	NTU		11/12/15 10:50	
EPA 6010	Iron	181	ug/L	40.0	11/20/15 22:49	
EPA 6010	Sodium	12.8	mg/L	1.0	11/20/15 22:49	
EPA 6010	Tot Hardness asCaCO3 (SM 2340B	98.8	mg/L	3.2	11/20/15 22:49	
SM 9222D	Fecal Coliforms	64.0	CFU/100 mL	1.0	11/13/15 16:23	B
EPA 1631E	Mercury	0.00157	ug/L	0.00050	11/20/15 17:49	
SM 2540C	Total Dissolved Solids	176	mg/L	5.0	11/16/15 09:42	
SM10200	Chlorophyll a	5.2	ug/L	5.0	11/18/15 14:00	
TKN+NOx Calculation	Total Nitrogen	1.1	mg/L	0.50	11/19/15 15:00	
EPA 350.1	Nitrogen, Ammonia	0.19	mg/L	0.050	11/13/15 09:31	
EPA 351.2	Nitrogen, Kjeldahl, Total	0.94	mg/L	0.50	11/19/15 13:44	
EPA 353.2	Nitrogen, Nitrate	0.17	mg/L	0.050	11/13/15 14:54	
EPA 353.2	Nitrogen, NO2 plus NO3	0.17	mg/L	0.050	11/13/15 14:54	
EPA 410.4	Chemical Oxygen Demand	47.0	mg/L	20.0	11/19/15 16:09	
SM 5310B	Total Organic Carbon	12.4	mg/L	1.0	11/16/15 14:11	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-3 **Lab ID: 35216300001** Collected: 11/12/15 07:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.49**	Std. Units			1		11/12/15 07:30		
Field Temperature	**22.39**	deg C			1		11/12/15 07:30		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 07:30		
Field Specific Conductance	**335**	umhos/cm			1		11/12/15 07:30		
Oxygen, Dissolved	**1.78**	mg/L			1		11/12/15 07:30	7782-44-7	
Turbidity	**16.65**	NTU			1		11/12/15 07:30		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/14/15 14:00	11/16/15 23:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/14/15 14:00	11/16/15 23:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:21	7440-38-2	
Barium	**21.2**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:21	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:21	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:21	7440-48-4	
Iron	**529**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 14:21	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:21	7440-02-0	
Sodium	**16.6**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 14:21	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**102**	mg/L	3.2	1.6	1	11/18/15 09:45	11/20/15 14:21		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:21	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 14:21	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:00	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:00	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:00	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/18/15 09:45	11/19/15 15:00	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:00	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:00	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:00	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:00	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**60.0**	CFU/100 mL	1.0	1.0	1	11/12/15 14:43	11/13/15 16:23		Z
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00102**	ug/L	0.00050	0.00025	1	11/20/15 13:00	11/20/15 17:03	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 03:41	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:41	107-13-1	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-3 **Lab ID: 35216300001** Collected: 11/12/15 07:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 03:41	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 03:41	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:41	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:41	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 03:41	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 03:41	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:41	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 03:41	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 03:41	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:41	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 03:41	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 03:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 03:41	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 03:41	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	127-18-4	
Toluene	**0.52 I**	ug/L	1.0	0.50	1		11/19/15 03:41	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 03:41	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 03:41	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 03:41	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 03:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-114		1		11/19/15 03:41	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		11/19/15 03:41	17060-07-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-3 **Lab ID: 35216300001** Collected: 11/12/15 07:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	87-113		1		11/19/15 03:41	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**225**	mg/L	5.0	5.0	1		11/16/15 09:39		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0**	mg/L	5.0	5.0	1		11/14/15 14:08		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**3.0**	mg/L	2.0	2.0	1	11/12/15 16:58	11/17/15 14:19		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**8.7 I**	ug/L	11.4	5.1	1	11/13/15 09:00	11/18/15 14:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.3**	mg/L	0.50	0.086	1		11/19/15 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.045 I**	mg/L	0.050	0.020	1		11/13/15 09:18	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:18		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**1.3**	mg/L	0.50	0.086	1	11/18/15 11:00	11/19/15 13:36	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 17:46		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 17:46		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.068 I**	mg/L	0.10	0.050	1	11/18/15 11:00	11/19/15 13:36	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**79.5**	mg/L	20.0	12.5	1		11/19/15 16:09		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**25.2**	mg/L	1.0	0.50	1		11/13/15 21:41	7440-44-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-2 **Lab ID: 35216300002** Collected: 11/12/15 08:10 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.97**	Std. Units			1		11/12/15 08:10		
Field Temperature	**22.59**	deg C			1		11/12/15 08:10		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 08:10		
Field Specific Conductance	**381**	umhos/cm			1		11/12/15 08:10		
Oxygen, Dissolved	**2.59**	mg/L			1		11/12/15 08:10	7782-44-7	
Turbidity	**4.78**	NTU			1		11/12/15 08:10		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.020	0.0050	1	11/14/15 14:00	11/16/15 23:45	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/14/15 14:00	11/16/15 23:45	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:33	7440-38-2	
Barium	**43.3**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:33	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:33	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:33	7440-48-4	
Iron	**3420**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 14:33	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 14:33	7440-02-0	
Sodium	**31.9**	mg/L	5.0	2.5	5	11/18/15 09:45	11/20/15 14:37	7440-23-5	D3
Tot Hardness asCaCO3 (SM 2340B	**134**	mg/L	3.2	1.6	1	11/18/15 09:45	11/20/15 14:33		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 14:33	7440-62-2	
Zinc	**10.3 I**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 14:33	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:14	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:14	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:14	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/18/15 09:45	11/19/15 15:14	7440-50-8	
Lead	**1.0**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:14	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:14	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:14	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:14	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**65.0**	CFU/100 mL	1.0	1.0	1	11/12/15 14:43	11/13/15 16:23		B
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00220**	ug/L	0.00050	0.00025	1	11/20/15 13:00	11/20/15 17:26	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 04:32	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:32	107-13-1	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-2 **Lab ID: 35216300002** Collected: 11/12/15 08:10 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 04:32	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 04:32	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:32	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:32	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 04:32	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 04:32	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:32	110-57-6	J(M1)
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 04:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 04:32	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:32	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 04:32	74-88-4	J(M1)
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 04:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:32	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 04:32	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 04:32	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 04:32	108-05-4	J(M1)
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:32	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 04:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		11/19/15 04:32	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		11/19/15 04:32	17060-07-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-2 **Lab ID: 35216300002** Collected: 11/12/15 08:10 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	87-113		1		11/19/15 04:32	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**227**	mg/L	5.0	5.0	1		11/16/15 09:40		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**69.5**	mg/L	5.0	5.0	1		11/14/15 14:08		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**3.4**	mg/L	2.0	2.0	1	11/12/15 16:58	11/17/15 14:21		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**22.5**	ug/L	5.1	2.3	1	11/13/15 09:00	11/18/15 14:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.4**	mg/L	0.50	0.086	1		11/19/15 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.032 I**	mg/L	0.050	0.020	1		11/13/15 09:19	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:19		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**1.3**	mg/L	0.50	0.086	1	11/18/15 11:00	11/19/15 13:37	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.041 I**	mg/L	0.050	0.025	1		11/13/15 14:45		
Nitrogen, NO2 plus NO3	**0.041 I**	mg/L	0.050	0.025	1		11/13/15 14:45		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.062 I**	mg/L	0.10	0.050	1	11/18/15 11:00	11/19/15 13:37	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**38.4**	mg/L	20.0	12.5	1		11/19/15 16:09		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**11.3**	mg/L	1.0	0.50	1		11/13/15 21:53	7440-44-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-4 **Lab ID: 35216300003** Collected: 11/12/15 08:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**6.77**	Std. Units			1		11/12/15 08:30		
Field Temperature	**21.97**	deg C			1		11/12/15 08:30		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 08:30		
Field Specific Conductance	**386**	umhos/cm			1		11/12/15 08:30		
Oxygen, Dissolved	**1.23**	mg/L			1		11/12/15 08:30	7782-44-7	
Turbidity	**1.72**	NTU			1		11/12/15 08:30		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	11/14/15 14:00	11/17/15 00:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/14/15 14:00	11/17/15 00:00	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:32	7440-38-2	
Barium	**22.6**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:32	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:32	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:32	7440-48-4	
Iron	**226**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 22:32	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:32	7440-02-0	
Sodium	**29.1**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 22:32	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**116**	mg/L	3.2	1.6	1	11/18/15 09:45	11/20/15 22:32		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:32	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 22:32	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:28	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:28	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:28	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/18/15 09:45	11/19/15 15:28	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:28	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:28	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:28	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:28	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**112**	CFU/100 mL	1.0	1.0	1	11/12/15 14:43	11/13/15 16:23		B
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00126**	ug/L	0.00050	0.00025	1	11/20/15 13:00	11/20/15 15:01	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 04:57	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:57	107-13-1	

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

ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-4 **Lab ID: 35216300003** Collected: 11/12/15 08:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 04:57	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 04:57	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:57	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:57	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 04:57	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 04:57	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:57	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 04:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 04:57	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:57	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 04:57	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 04:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 04:57	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 04:57	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 04:57	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 04:57	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 04:57	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 04:57	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		11/19/15 04:57	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		11/19/15 04:57	17060-07-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-4 **Lab ID: 35216300003** Collected: 11/12/15 08:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	100	%	87-113		1		11/19/15 04:57	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**232**	mg/L	5.0	5.0	1		11/16/15 09:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0 U**	mg/L	5.0	5.0	1		11/14/15 14:08		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	11/12/15 16:59	11/17/15 14:22		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**5.8**	ug/L	5.0	2.2	1	11/13/15 09:00	11/18/15 14:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.0**	mg/L	0.50	0.086	1		11/19/15 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.048 I**	mg/L	0.050	0.020	1		11/13/15 09:21	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:21		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**1.0**	mg/L	0.50	0.086	1	11/18/15 11:00	11/19/15 13:39	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 14:47		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 14:47		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	11/18/15 11:00	11/19/15 13:39	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**39.0**	mg/L	20.0	12.5	1		11/19/15 16:09		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**12.5**	mg/L	1.0	0.50	1		11/13/15 22:33	7440-44-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-5 **Lab ID: 35216300004** Collected: 11/12/15 09:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.01**	Std. Units			1		11/12/15 09:00		
Field Temperature	**23.82**	deg C			1		11/12/15 09:00		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 09:00		
Field Specific Conductance	**499**	umhos/cm			1		11/12/15 09:00		
Oxygen, Dissolved	**0.94**	mg/L			1		11/12/15 09:00	7782-44-7	
Turbidity	**7.11**	NTU			1		11/12/15 09:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/14/15 14:00	11/17/15 00:15	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/14/15 14:00	11/17/15 00:15	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:36	7440-38-2	
Barium	**49.3**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:36	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:36	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:36	7440-48-4	
Iron	**3000**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 22:36	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:36	7440-02-0	
Sodium	**30.4**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 22:36	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**185**	mg/L	3.2	1.6	1	11/18/15 09:45	11/20/15 22:36		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:36	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 22:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:31	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:31	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:31	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/18/15 09:45	11/19/15 15:31	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:31	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:31	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:31	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:31	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**32.0**	CFU/100 mL	1.0	1.0	1	11/12/15 14:43	11/13/15 16:23		
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00169**	ug/L	0.00050	0.00025	1	11/20/15 13:00	11/20/15 15:24	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 05:22	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:22	107-13-1	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-5 **Lab ID: 35216300004** Collected: 11/12/15 09:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 05:22	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 05:22	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:22	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:22	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	75-00-3	
Chloroform	**0.85 I**	ug/L	1.0	0.50	1		11/19/15 05:22	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 05:22	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 05:22	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:22	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 05:22	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 05:22	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:22	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 05:22	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 05:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:22	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 05:22	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 05:22	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 05:22	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:22	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 05:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		11/19/15 05:22	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		11/19/15 05:22	17060-07-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-5 **Lab ID: 35216300004** Collected: 11/12/15 09:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	87-113		1		11/19/15 05:22	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**312**	mg/L	5.0	5.0	1		11/16/15 09:41		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**6.5**	mg/L	5.0	5.0	1		11/14/15 14:08		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**3.6**	mg/L	2.0	2.0	1	11/12/15 17:00	11/17/15 14:23		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**26.1**	ug/L	8.2	3.7	1	11/13/15 09:00	11/18/15 14:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**2.7**	mg/L	0.50	0.086	1		11/19/15 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.93**	mg/L	0.050	0.020	1		11/13/15 09:26	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:26		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**2.6**	mg/L	0.50	0.086	1	11/18/15 11:00	11/19/15 13:40	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.072**	mg/L	0.050	0.025	1		11/13/15 14:48		
Nitrogen, NO2 plus NO3	**0.072**	mg/L	0.050	0.025	1		11/13/15 14:48		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.062 I**	mg/L	0.10	0.050	1	11/18/15 11:00	11/19/15 13:40	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**79.3**	mg/L	20.0	12.5	1		11/19/15 16:09		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**22.0**	mg/L	1.0	0.50	1		11/16/15 13:31	7440-44-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-11 **Lab ID: 35216300005** Collected: 11/12/15 09:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.24**	Std. Units			1		11/12/15 09:30		
Field Temperature	**26.60**	deg C			1		11/12/15 09:30		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 09:30		
Field Specific Conductance	**487**	umhos/cm			1		11/12/15 09:30		
Oxygen, Dissolved	**0.73**	mg/L			1		11/12/15 09:30	7782-44-7	
Turbidity	**4.60**	NTU			1		11/12/15 09:30		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049 U**	ug/L	0.020	0.0049	1	11/14/15 14:00	11/17/15 00:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063 U**	ug/L	0.010	0.0063	1	11/14/15 14:00	11/17/15 00:30	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:40	7440-38-2	
Barium	**30.1**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:40	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:40	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:40	7440-48-4	
Iron	**768**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 22:40	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:40	7440-02-0	
Sodium	**31.9**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 22:40	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**192**	mg/L	3.2	1.6	1	11/18/15 09:45	11/20/15 22:40		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:40	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 22:40	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:35	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:35	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:35	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/18/15 09:45	11/19/15 15:35	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:35	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:35	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:35	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:35	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**108**	CFU/100 mL	1.0	1.0	1	11/12/15 14:43	11/13/15 16:23		B
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00134**	ug/L	0.00050	0.00025	1	11/20/15 13:00	11/20/15 17:34	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 05:47	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:47	107-13-1	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-11 **Lab ID: 35216300005** Collected: 11/12/15 09:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 05:47	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 05:47	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:47	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:47	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 05:47	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 05:47	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:47	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 05:47	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 05:47	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:47	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 05:47	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 05:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 05:47	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 05:47	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 05:47	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 05:47	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 05:47	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 05:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		11/19/15 05:47	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		11/19/15 05:47	17060-07-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-11 **Lab ID: 35216300005** Collected: 11/12/15 09:30 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	99	%	87-113		1		11/19/15 05:47	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**312**	mg/L	5.0	5.0	1		11/16/15 09:42		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0 U**	mg/L	5.0	5.0	1		11/15/15 11:04		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	11/12/15 17:01	11/17/15 14:25		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**6.7**	ug/L	6.2	2.8	1	11/13/15 09:00	11/18/15 14:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**0.90**	mg/L	0.50	0.086	1		11/19/15 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:28	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:28		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**0.90**	mg/L	0.50	0.086	1	11/18/15 11:00	11/19/15 13:41	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 17:47		
Nitrogen, NO2 plus NO3	**0.025 U**	mg/L	0.050	0.025	1		11/13/15 17:47		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	11/18/15 11:00	11/19/15 13:41	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**50.9**	mg/L	20.0	12.5	1		11/19/15 16:09		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**16.9**	mg/L	1.0	0.50	1		11/16/15 13:46	7440-44-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-12 **Lab ID: 35216300006** Collected: 11/12/15 10:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.24**	Std. Units			1		11/12/15 10:00		
Field Temperature	**26.60**	deg C			1		11/12/15 10:00		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 10:00		
Field Specific Conductance	**487**	umhos/cm			1		11/12/15 10:00		
Oxygen, Dissolved	**0.73**	mg/L			1		11/12/15 10:00	7782-44-7	
Turbidity	**2.31**	NTU			1		11/12/15 10:00		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050 U**	ug/L	0.021	0.0050	1	11/14/15 14:00	11/17/15 00:46	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/14/15 14:00	11/17/15 00:46	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:45	7440-38-2	
Barium	**29.7**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:45	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:45	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:45	7440-48-4	
Iron	**20.2 I**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 22:45	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:45	7440-02-0	
Sodium	**25.8**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 22:45	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**161**	mg/L	3.2	1.6	1	11/18/15 09:45	11/20/15 22:45		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:45	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 22:45	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.76 I**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:38	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:38	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:38	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/18/15 09:45	11/19/15 15:38	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:38	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:38	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:38	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:38	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**70.0**	CFU/100 mL	1.0	1.0	1	11/12/15 14:43	11/13/15 16:23		B
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.000812**	ug/L	0.00050	0.00025	1	11/20/15 13:00	11/20/15 17:41	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 06:13	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:13	107-13-1	

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

ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-12 **Lab ID: 35216300006** Collected: 11/12/15 10:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 06:13	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 06:13	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:13	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:13	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 06:13	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 06:13	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:13	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 06:13	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 06:13	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:13	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 06:13	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 06:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:13	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 06:13	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 06:13	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 06:13	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:13	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 06:13	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-114		1		11/19/15 06:13	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	86-125		1		11/19/15 06:13	17060-07-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-12 **Lab ID: 35216300006** Collected: 11/12/15 10:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	98	%	87-113		1		11/19/15 06:13	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**279**	mg/L	5.0	5.0	1		11/16/15 09:42		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0 U**	mg/L	5.0	5.0	1		11/15/15 11:04		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	11/12/15 17:01	11/17/15 14:26		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**8.8**	ug/L	5.0	2.2	1	11/13/15 09:00	11/18/15 14:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.4**	mg/L	0.50	0.086	1		11/19/15 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:30	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:30		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.50	0.086	1	11/18/15 11:00	11/19/15 13:43	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.23**	mg/L	0.050	0.025	1		11/13/15 14:53		
Nitrogen, NO2 plus NO3	**0.31**	mg/L	0.050	0.025	1		11/13/15 14:53		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	11/18/15 11:00	11/19/15 13:43	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**39.6**	mg/L	20.0	12.5	1		11/19/15 16:09		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**12.4**	mg/L	1.0	0.50	1		11/16/15 13:59	7440-44-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-1 **Lab ID: 35216300007** Collected: 11/12/15 10:50 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	**7.65**	Std. Units			1		11/12/15 10:50		
Field Temperature	**27.79**	deg C			1		11/12/15 10:50		
Appearance	**Color: yellow, Sheen: none**				1		11/12/15 10:50		
Field Specific Conductance	**453**	umhos/cm			1		11/12/15 10:50		
Oxygen, Dissolved	**4.19**	mg/L			1		11/12/15 10:50	7782-44-7	
Turbidity	**2.31**	NTU			1		11/12/15 10:50		
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051 U**	ug/L	0.021	0.0051	1	11/14/15 14:00	11/17/15 01:01	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064 U**	ug/L	0.010	0.0064	1	11/14/15 14:00	11/17/15 01:01	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:49	7440-38-2	
Barium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:49	7440-39-3	
Chromium	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:49	7440-47-3	
Cobalt	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:49	7440-48-4	
Iron	**181**	ug/L	40.0	20.0	1	11/18/15 09:45	11/20/15 22:49	7439-89-6	
Nickel	**2.5 U**	ug/L	5.0	2.5	1	11/18/15 09:45	11/20/15 22:49	7440-02-0	
Sodium	**12.8**	mg/L	1.0	0.50	1	11/18/15 09:45	11/20/15 22:49	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	**98.8**	mg/L	3.2	1.6	1	11/18/15 09:45	11/20/15 22:49		
Vanadium	**5.0 U**	ug/L	10.0	5.0	1	11/18/15 09:45	11/20/15 22:49	7440-62-2	
Zinc	**10.0 U**	ug/L	20.0	10.0	1	11/18/15 09:45	11/20/15 22:49	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:42	7440-36-0	
Beryllium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:42	7440-41-7	
Cadmium	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:42	7440-43-9	
Copper	**0.93 U**	ug/L	1.0	0.93	1	11/18/15 09:45	11/19/15 15:42	7440-50-8	
Lead	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:42	7439-92-1	
Selenium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:42	7782-49-2	
Silver	**0.050 U**	ug/L	0.10	0.050	1	11/18/15 09:45	11/19/15 15:42	7440-22-4	
Thallium	**0.50 U**	ug/L	1.0	0.50	1	11/18/15 09:45	11/19/15 15:42	7440-28-0	
9222D Fecal Coliform	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**64.0**	CFU/100 mL	1.0	1.0	1	11/12/15 14:43	11/13/15 16:23		B
1631E Mercury,Low Level	Analytical Method: EPA 1631E Preparation Method: EPA 1631E								
Mercury	**0.00157**	ug/L	0.00050	0.00025	1	11/20/15 13:00	11/20/15 17:49	7439-97-6	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 06:38	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:38	107-13-1	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-1 **Lab ID: 35216300007** Collected: 11/12/15 10:50 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 06:38	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 06:38	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:38	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:38	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 06:38	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 06:38	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:38	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 06:38	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 06:38	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:38	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 06:38	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 06:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 06:38	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 06:38	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 06:38	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 06:38	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 06:38	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 06:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-114		1		11/19/15 06:38	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	86-125		1		11/19/15 06:38	17060-07-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: SW-1 **Lab ID: 35216300007** Collected: 11/12/15 10:50 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Surrogates									
Toluene-d8 (S)	101	%	87-113		1		11/19/15 06:38	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM 2540C								
Total Dissolved Solids	**176**	mg/L	5.0	5.0	1		11/16/15 09:42		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**5.0 U**	mg/L	5.0	5.0	1		11/15/15 11:04		
5210B BOD, 5 day	Analytical Method: SM 5210B								
BOD, 5 day	**2.0 U**	mg/L	2.0	2.0	1	11/12/15 17:02	11/17/15 14:27		
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
Chlorophyll a	**5.2**	ug/L	5.0	2.2	1	11/13/15 09:00	11/18/15 14:00		
Total Nitrogen Calculation	Analytical Method: TKN+NOx Calculation								
Total Nitrogen	**1.1**	mg/L	0.50	0.086	1		11/19/15 15:00		
350.1 Ammonia	Analytical Method: EPA 350.1								
Nitrogen, Ammonia	**0.19**	mg/L	0.050	0.020	1		11/13/15 09:31	7664-41-7	
Nitrogen, Ammonia (Unionized)	**0.020 U**	mg/L	0.050	0.020	1		11/13/15 09:31		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	**0.94**	mg/L	0.50	0.086	1	11/18/15 11:00	11/19/15 13:44	7727-37-9	
353.2 Nitrogen, NO2/NO3 unpres	Analytical Method: EPA 353.2								
Nitrogen, Nitrate	**0.17**	mg/L	0.050	0.025	1		11/13/15 14:54		
Nitrogen, NO2 plus NO3	**0.17**	mg/L	0.050	0.025	1		11/13/15 14:54		
365.4 Phosphorus, Total	Analytical Method: EPA 365.4 Preparation Method: EPA 365.4								
Phosphorus, Total (as P)	**0.050 U**	mg/L	0.10	0.050	1	11/18/15 11:00	11/19/15 13:44	7723-14-0	
410.4 COD	Analytical Method: EPA 410.4								
Chemical Oxygen Demand	**47.0**	mg/L	20.0	12.5	1		11/19/15 16:09		
5310B TOC	Analytical Method: SM 5310B								
Total Organic Carbon	**12.4**	mg/L	1.0	0.50	1		11/16/15 14:11	7440-44-0	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: Trip Blank SW 11/12/15 **Lab ID: 35216300008** Collected: 11/12/15 00:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Acetone	**10.0 U**	ug/L	20.0	10.0	1		11/19/15 02:51	67-64-1	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 02:51	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		11/19/15 02:51	71-43-2	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		11/19/15 02:51	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	74-83-9	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 02:51	78-93-3	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 02:51	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		11/19/15 02:51	74-87-3	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 02:51	96-12-8	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		11/19/15 02:51	124-48-1	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	106-93-4	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	74-95-3	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	95-50-1	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 02:51	110-57-6	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	75-34-3	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	107-06-2	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	75-35-4	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	156-59-2	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	156-60-5	
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	78-87-5	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 02:51	10061-01-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		11/19/15 02:51	10061-02-6	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	100-41-4	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 02:51	591-78-6	
Iodomethane	**0.50 U**	ug/L	10.0	0.50	1		11/19/15 02:51	74-88-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		11/19/15 02:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		11/19/15 02:51	108-10-1	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		11/19/15 02:51	79-34-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	108-88-3	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	71-55-6	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	79-00-5	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	75-69-4	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		11/19/15 02:51	96-18-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		11/19/15 02:51	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		11/19/15 02:51	75-01-4	

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ANALYTICAL RESULTS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Sample: Trip Blank SW 11/12/15 **Lab ID: 35216300008** Collected: 11/12/15 00:00 Received: 11/12/15 12:09 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		11/19/15 02:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-114		1		11/19/15 02:51	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	86-125		1		11/19/15 02:51	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		11/19/15 02:51	2037-26-5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: MBIO/18727 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Analysis Description: 9222D MBIO Fecal Coliform
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1393550 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	1.0 U	1.0	1.0	11/13/15 16:23	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: MERP/8674 Analysis Method: EPA 1631E
QC Batch Method: EPA 1631E Analysis Description: 1631E Mercury,Low Level
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1610627 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00025 U	0.00050	0.00025	11/20/15 14:34	

METHOD BLANK: 1610628 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00025 U	0.00050	0.00025	11/20/15 16:33	

METHOD BLANK: 1610629 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	0.00025 U	0.00050	0.00025	11/20/15 18:35	

LABORATORY CONTROL SAMPLE: 1610630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	.005	0.00465	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1612069 1612070

Parameter	Units	35216300003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.00126	.025	.025	0.0252	0.0244	96	93	71-125	3	24	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1612071 1612072

Parameter	Units	35216300001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.00102	.025	.025	0.0241	0.0240	92	92	71-125	0	24	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: MPRP/27433 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1396089 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Barium	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Chromium	ug/L	2.5 U	5.0	2.5	11/20/15 14:13	
Cobalt	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Iron	ug/L	20.0 U	40.0	20.0	11/20/15 14:13	
Nickel	ug/L	2.5 U	5.0	2.5	11/20/15 14:13	
Sodium	mg/L	0.50 U	1.0	0.50	11/20/15 14:13	
Tot Hardness asCaCO3 (SM 2340B	mg/L	1.6 U	3.2	1.6	11/20/15 14:13	
Vanadium	ug/L	5.0 U	10.0	5.0	11/20/15 14:13	
Zinc	ug/L	10.0 U	20.0	10.0	11/20/15 14:13	

LABORATORY CONTROL SAMPLE: 1396090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	242	97	80-120	
Barium	ug/L	250	252	101	80-120	
Chromium	ug/L	250	249	99	80-120	
Cobalt	ug/L	250	261	104	80-120	
Iron	ug/L	2500	2350	94	80-120	
Nickel	ug/L	250	254	102	80-120	
Sodium	mg/L	12.5	12.6	101	80-120	
Tot Hardness asCaCO3 (SM 2340B	mg/L	82.7	80.6	97	80-120	
Vanadium	ug/L	250	248	99	80-120	
Zinc	ug/L	1250	1260	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396091 1396092

Parameter	Units	35216300001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0 U	250	250	250	220	99	87	75-125	13	20	
Barium	ug/L	21.2	250	250	274	240	101	88	75-125	13	20	
Chromium	ug/L	2.5 U	250	250	252	223	101	89	75-125	12	20	
Cobalt	ug/L	5.0 U	250	250	260	230	104	92	75-125	12	20	
Iron	ug/L	529	2500	2500	2890	2560	94	81	75-125	12	20	
Nickel	ug/L	2.5 U	250	250	255	224	102	89	75-125	13	20	
Sodium	mg/L	16.6	12.5	12.5	29.5	26.2	103	77	75-125	12	20	
Tot Hardness asCaCO3 (SM 2340B	mg/L	102	82.7	82.7	186	165	101	76	75-125	12	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396091 1396092

Parameter	Units	35216300001 Result		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vanadium	ug/L	5.0	U	250	250	254	224	102	89	75-125	13	20	
Zinc	ug/L	10.0	U	1250	1250	1260	1120	101	89	75-125	13	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: MPRP/27434 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1396097 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	ug/L	0.50 U	1.0	0.50	11/19/15 14:39	
Beryllium	ug/L	0.050 U	0.10	0.050	11/19/15 14:39	
Cadmium	ug/L	0.050 U	0.10	0.050	11/19/15 14:39	
Copper	ug/L	0.93 U	1.0	0.93	11/19/15 14:39	
Lead	ug/L	0.50 U	1.0	0.50	11/19/15 14:39	
Selenium	ug/L	0.50 U	1.0	0.50	11/19/15 14:39	
Silver	ug/L	0.050 U	0.10	0.050	11/19/15 14:39	
Thallium	ug/L	0.50 U	1.0	0.50	11/19/15 14:39	

LABORATORY CONTROL SAMPLE: 1396098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	52.8	106	80-120	
Beryllium	ug/L	5	4.8	95	80-120	
Cadmium	ug/L	5	5.1	101	80-120	
Copper	ug/L	50	52.3	105	80-120	
Lead	ug/L	50	47.7	95	80-120	
Selenium	ug/L	50	49.9	100	80-120	
Silver	ug/L	5	5.2	104	80-120	
Thallium	ug/L	50	48.1	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1396099 1396100

Parameter	Units	35216235002 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	53.7	52.6	107	105	75-125	2	20	
Beryllium	ug/L	0.050 U	5	5	4.5	4.4	90	87	75-125	3	20	
Cadmium	ug/L	0.050 U	5	5	5.0	5.0	100	100	75-125	0	20	
Copper	ug/L	0.93 U	50	50	50.8	50.8	102	101	75-125	0	20	
Lead	ug/L	0.50 U	50	50	51.0	48.4	102	97	75-125	5	20	
Selenium	ug/L	0.50 U	50	50	49.2	47.8	98	96	75-125	3	20	
Silver	ug/L	0.050 U	5	5	5.0	4.9	101	97	75-125	4	20	
Thallium	ug/L	0.50 U	50	50	50.9	48.6	102	97	75-125	5	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: MSV/16700 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007, 35216300008

METHOD BLANK: 1397041 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007, 35216300008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	0.12	11/19/15 01:36	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,1-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	0.59	11/19/15 01:36	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	1.0	11/19/15 01:36	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,2-Dichloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,2-Dichloropropane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
2-Butanone (MEK)	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
2-Hexanone	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Acetone	ug/L	10.0 U	20.0	10.0	11/19/15 01:36	
Acrylonitrile	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Benzene	ug/L	0.10 U	1.0	0.10	11/19/15 01:36	
Bromochloromethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Bromodichloromethane	ug/L	0.27 U	0.60	0.27	11/19/15 01:36	
Bromoform	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Bromomethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Carbon disulfide	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Carbon tetrachloride	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chlorobenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chloroethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chloroform	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Chloromethane	ug/L	0.62 U	1.0	0.62	11/19/15 01:36	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/19/15 01:36	
Dibromochloromethane	ug/L	0.26 U	0.50	0.26	11/19/15 01:36	
Dibromomethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Ethylbenzene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Iodomethane	ug/L	0.50 U	10.0	0.50	11/19/15 01:36	
Methylene Chloride	ug/L	2.5 U	5.0	2.5	11/19/15 01:36	
Styrene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Tetrachloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Toluene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

METHOD BLANK: 1397041 Matrix: Water

Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007, 35216300008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	0.25	11/19/15 01:36	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	5.0	11/19/15 01:36	
Trichloroethene	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Trichlorofluoromethane	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Vinyl acetate	ug/L	1.0 U	2.0	1.0	11/19/15 01:36	
Vinyl chloride	ug/L	0.50 U	1.0	0.50	11/19/15 01:36	
Xylene (Total)	ug/L	0.50 U	3.0	0.50	11/19/15 01:36	
1,2-Dichloroethane-d4 (S)	%	92	86-125		11/19/15 01:36	
4-Bromofluorobenzene (S)	%	102	70-114		11/19/15 01:36	
Toluene-d8 (S)	%	99	87-113		11/19/15 01:36	

LABORATORY CONTROL SAMPLE: 1397042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	96	70-130	
1,1,1-Trichloroethane	ug/L	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,2-Trichloroethane	ug/L	20	18.8	94	70-130	
1,1-Dichloroethane	ug/L	20	19.3	96	70-130	
1,1-Dichloroethene	ug/L	20	19.7	99	70-130	
1,2,3-Trichloropropane	ug/L	20	17.7	89	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	17.5	88	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.1	96	70-130	
1,2-Dichlorobenzene	ug/L	20	19.3	97	70-130	
1,2-Dichloroethane	ug/L	20	17.8	89	70-130	
1,2-Dichloropropane	ug/L	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2-Butanone (MEK)	ug/L	40	38.4	96	55-167	
2-Hexanone	ug/L	40	36.2	91	65-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.4	94	70-130	
Acetone	ug/L	40	34.3	86	40-150	
Acrylonitrile	ug/L	200	183	92	70-130	
Benzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	21.2	106	70-130	
Bromodichloromethane	ug/L	20	18.6	93	70-130	
Bromoform	ug/L	20	18.8	94	68-130	
Bromomethane	ug/L	20	16.1	81	38-179	
Carbon disulfide	ug/L	20	18.4	92	51-155	
Carbon tetrachloride	ug/L	20	19.7	99	70-130	
Chlorobenzene	ug/L	20	20.0	100	70-130	
Chloroethane	ug/L	20	18.1	91	59-149	
Chloroform	ug/L	20	19.2	96	70-130	
Chloromethane	ug/L	20	17.0	85	68-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

LABORATORY CONTROL SAMPLE: 1397042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
Dibromochloromethane	ug/L	20	18.7	93	70-130	
Dibromomethane	ug/L	20	19.4	97	70-130	
Ethylbenzene	ug/L	20	19.3	97	70-130	
Iodomethane	ug/L	40	34.2	85	43-160	
Methylene Chloride	ug/L	20	20.0	100	70-130	
Styrene	ug/L	20	19.6	98	70-130	
Tetrachloroethene	ug/L	20	26.1	130	66-133	
Toluene	ug/L	20	19.7	99	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.2	96	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	15.7	78	65-130	
Trichloroethene	ug/L	20	20.5	102	70-130	
Trichlorofluoromethane	ug/L	20	18.6	93	70-131	
Vinyl acetate	ug/L	20	16.4	82	69-135	
Vinyl chloride	ug/L	20	18.5	92	69-140	
Xylene (Total)	ug/L	60	58.7	98	70-130	
1,2-Dichloroethane-d4 (S)	%			93	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Toluene-d8 (S)	%			98	87-113	

MATRIX SPIKE SAMPLE: 1399417

Parameter	Units	35216300002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	17.7	89	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	18.4	92	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	19.0	95	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	16.3	81	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	15.4	77	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	16.0	80	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	18.7	94	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	18.0	90	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	16.8	84	70-130	
1,2-Dichloropropane	ug/L	0.50 U	20	19.0	95	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	18.1	91	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	35.9	90	70-130	
2-Hexanone	ug/L	5.0 U	40	33.9	85	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	36.1	90	70-130	
Acetone	ug/L	10.0 U	40	35.5	77	70-130	
Acrylonitrile	ug/L	5.0 U	200	164	82	70-130	
Benzene	ug/L	0.10 U	20	19.6	98	70-130	
Bromochloromethane	ug/L	0.50 U	20	21.2	106	70-130	

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(386)672-5668

QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

MATRIX SPIKE SAMPLE: 1399417

Parameter	Units	35216300002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	0.27 U	20	17.7	89	70-130	
Bromoform	ug/L	0.50 U	20	17.7	88	70-130	
Bromomethane	ug/L	0.50 U	20	15.0	75	70-130	
Carbon disulfide	ug/L	5.0 U	20	14.2	71	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	20.3	101	70-130	
Chlorobenzene	ug/L	0.50 U	20	19.3	96	70-130	
Chloroethane	ug/L	0.50 U	20	20.3	101	70-130	
Chloroform	ug/L	0.50 U	20	18.9	94	70-130	
Chloromethane	ug/L	0.62 U	20	15.2	76	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	20.3	102	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	17.4	87	70-130	
Dibromochloromethane	ug/L	0.26 U	20	17.7	88	70-130	
Dibromomethane	ug/L	0.50 U	20	19.5	98	70-130	
Ethylbenzene	ug/L	0.50 U	20	18.6	93	70-130	
Iodomethane	ug/L	0.50 U	40	26.0	65	70-130	J(M1)
Methylene Chloride	ug/L	2.5 U	20	19.7	99	70-130	
Styrene	ug/L	0.50 U	20	18.6	93	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.3	96	70-130	
Toluene	ug/L	0.50 U	20	19.6	98	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	19.3	96	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	16.8	84	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	11.2	56	70-130	J(M1)
Trichloroethene	ug/L	0.50 U	20	20.9	104	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	21.4	107	70-130	
Vinyl acetate	ug/L	1.0 U	20	12.2	61	70-130	J(M1)
Vinyl chloride	ug/L	0.50 U	20	21.9	110	70-130	
Xylene (Total)	ug/L	0.50 U	60	56.7	94	70-130	
1,2-Dichloroethane-d4 (S)	%				93	86-125	
4-Bromofluorobenzene (S)	%				104	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 1399416

Parameter	Units	35216300001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

SAMPLE DUPLICATE: 1399416

Parameter	Units	35216300001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	
Toluene	ug/L	0.52 I	0.64 I		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	91	92	1	40	
4-Bromofluorobenzene (S)	%	102	104	2	40	
Toluene-d8 (S)	%	99	101	2	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: OEXT/25267 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1392678 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	0.020	0.0049	11/16/15 19:56	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	0.010	0.0062	11/16/15 19:56	

LABORATORY CONTROL SAMPLE: 1392679

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.18	72	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.20	80	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1393402 1393403

Parameter	Units	35215799006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0050 U	.44	.44	0.29	0.29	66	66	60-140	0	40	
1,2-Dibromoethane (EDB)	ug/L	0.0063 U	.44	.44	0.34	0.36	78	83	60-140	6	40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WET/34166 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1393324 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	5.0 U	5.0	5.0	11/16/15 09:38	

LABORATORY CONTROL SAMPLE: 1393325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	300	294	98	90-110	

SAMPLE DUPLICATE: 1393548

Parameter	Units	35216478002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	603	611	1	5	

SAMPLE DUPLICATE: 1393549

Parameter	Units	35216428006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	699	696	0	5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WET/34162 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004

METHOD BLANK: 1393094 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0	5.0	11/14/15 14:08	

LABORATORY CONTROL SAMPLE: 1393095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	90.0	90	90-110	

SAMPLE DUPLICATE: 1393096

Parameter	Units	35216532002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	98.0	102	4	5	

SAMPLE DUPLICATE: 1393097

Parameter	Units	35216535002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	100	102	2	5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WET/34163 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 35216300005, 35216300006, 35216300007

METHOD BLANK: 1393314 Matrix: Water
Associated Lab Samples: 35216300005, 35216300006, 35216300007

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

LABORATORY CONTROL SAMPLE: 1393315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	91.0	91	90-110	

SAMPLE DUPLICATE: 1393316

Parameter	Units	35216304001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	100	98.0	2	5	

SAMPLE DUPLICATE: 1393317

Parameter	Units	35216423001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.0 U	5.0 U		5	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WET/34126 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1390150 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0	2.0	11/17/15 13:59	

LABORATORY CONTROL SAMPLE: 1390151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	185	93	85-115	

SAMPLE DUPLICATE: 1390152

Parameter	Units	35216074001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	2.0 U	2.0 U		20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WET/34144 Analysis Method: SM10200
QC Batch Method: SM10200 Analysis Description: Chlorophyll & Pheophytin
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1391521 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chlorophyll a	ug/L	2.2 U	5.0	2.2	11/18/15 14:00	

LABORATORY CONTROL SAMPLE: 1391522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorophyll a	ug/L	10	9.0	90	85-115	

SAMPLE DUPLICATE: 1391523

Parameter	Units	35216300001 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	8.7 I	7.4 I		40	

SAMPLE DUPLICATE: 1391524

Parameter	Units	35216423005 Result	Dup Result	RPD	Max RPD	Qualifiers
Chlorophyll a	ug/L	2.7 I mg/m3	2.2 U		40	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WETA/52089 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1391445 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.050	0.020	11/13/15 08:45	

LABORATORY CONTROL SAMPLE: 1391446

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 1391448

Parameter	Units	35216148001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	1	1.0	100	90-110	

SAMPLE DUPLICATE: 1391447

Parameter	Units	35216148001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Ammonia	mg/L	0.020 U	0.020 U		20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WETA/52247 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1396401 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.086 U	0.50	0.086	11/19/15 13:02	

LABORATORY CONTROL SAMPLE: 1396402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	20	19.9	100	90-110	

MATRIX SPIKE SAMPLE: 1396404

Parameter	Units	35216478003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.68	20	20.8	101	90-110	

SAMPLE DUPLICATE: 1396403

Parameter	Units	35216478003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.68	0.90	28	20	J(D6)

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WETA/52106 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1392042 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	0.025 U	0.050	0.025	11/13/15 14:38	
Nitrogen, NO2 plus NO3	mg/L	0.025 U	0.050	0.025	11/13/15 14:38	

LABORATORY CONTROL SAMPLE: 1392043

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2	1.9	96	90-110	

MATRIX SPIKE SAMPLE: 1392045

Parameter	Units	35216289001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.029 I	2	2.0	99	90-110	

MATRIX SPIKE SAMPLE: 1392047

Parameter	Units	35216393003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	0.033 I	2	1.9	93	90-110	

SAMPLE DUPLICATE: 1392044

Parameter	Units	35216289001 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.029 I	0.029 I		20	
Nitrogen, NO2 plus NO3	mg/L	0.029 I	0.029 I		20	

SAMPLE DUPLICATE: 1392046

Parameter	Units	35216393003 Result	Dup Result	RPD	Max RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.033 I	0.025 U		20	
Nitrogen, NO2 plus NO3	mg/L	0.033 I	0.025 U		20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WETA/52248 Analysis Method: EPA 365.4
QC Batch Method: EPA 365.4 Analysis Description: 365.4 Phosphorus
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1396405 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Phosphorus, Total (as P)	mg/L	0.050 U	0.10	0.050	11/19/15 13:54	

LABORATORY CONTROL SAMPLE: 1396406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	4	3.9	99	90-110	

MATRIX SPIKE SAMPLE: 1396408

Parameter	Units	35216478003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phosphorus, Total (as P)	mg/L	0.18	4	4.1	98	80-120	

SAMPLE DUPLICATE: 1396407

Parameter	Units	35216478003 Result	Dup Result	RPD	Max RPD	Qualifiers
Phosphorus, Total (as P)	mg/L	0.18	0.21	13	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WETA/52289 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1397548 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002, 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	12.5 U	20.0	12.5	11/19/15 16:09	

LABORATORY CONTROL SAMPLE: 1397549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	504	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1397551 1397550

Parameter	Units	35216300001 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	79.5	500	500	581	582	100	100	90-110	0	20	

MATRIX SPIKE SAMPLE: 1397552

Parameter	Units	35217219003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	5470	500	10100	928	90-110	L,M6

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WETA/52103 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 35216300001, 35216300002

METHOD BLANK: 1391842 Matrix: Water
Associated Lab Samples: 35216300001, 35216300002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	11/13/15 15:07	

LABORATORY CONTROL SAMPLE: 1391843

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

MATRIX SPIKE SAMPLE: 1391845

Parameter	Units	35215964001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.3	20	32.2	100	80-120	

MATRIX SPIKE SAMPLE: 1391847

Parameter	Units	35216112003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	9.9	20	28.7	94	80-120	

SAMPLE DUPLICATE: 1391844

Parameter	Units	35215964001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	12.3	12.2	1	20	

SAMPLE DUPLICATE: 1391846

Parameter	Units	35216112003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	9.9	9.9	0	20	

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QUALITY CONTROL DATA

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

QC Batch: WETA/52104 Analysis Method: SM 5310B
QC Batch Method: SM 5310B Analysis Description: 5310B TOC
Associated Lab Samples: 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

METHOD BLANK: 1391849 Matrix: Water
Associated Lab Samples: 35216300003, 35216300004, 35216300005, 35216300006, 35216300007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Organic Carbon	mg/L	0.50 U	1.0	0.50	11/13/15 22:05	

LABORATORY CONTROL SAMPLE: 1391850

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

MATRIX SPIKE SAMPLE: 1391852

Parameter	Units	35216300003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	20	31.4	94	80-120	

MATRIX SPIKE SAMPLE: 1391854

Parameter	Units	35216413001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10.9	20	19.8	44	80-120	J(M1)

SAMPLE DUPLICATE: 1391851

Parameter	Units	35216300003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	12.5	12.7	2	20	

SAMPLE DUPLICATE: 1391853

Parameter	Units	35216413001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	10.9	11.0	1	20	

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QUALIFIERS

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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TNI - The NELAC Institute.

LABORATORIES

PASI-A	Pace Analytical Services - Asheville
PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
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(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
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.
Z	Too many colonies were present (TNTC); the numeric value represents the estimated colony counts from the highest dilution used in this test.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216300001	**SW-3**		FLD/		
35216300002	**SW-2**		FLD/		
35216300003	**SW-4**		FLD/		
35216300004	**SW-5**		FLD/		
35216300005	**SW-11**		FLD/		
35216300006	**SW-12**		FLD/		
35216300007	**SW-1**		FLD/		
35216300001	**SW-3**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216300002	**SW-2**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216300003	**SW-4**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216300004	**SW-5**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216300005	**SW-11**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216300006	**SW-12**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216300007	**SW-1**	EPA 8011	OEXT/25267	EPA 8011	GCSV/16433
35216300001	**SW-3**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216300002	**SW-2**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216300003	**SW-4**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216300004	**SW-5**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216300005	**SW-11**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216300006	**SW-12**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216300007	**SW-1**	EPA 3010	MPRP/27433	EPA 6010	ICP/16521
35216300001	**SW-3**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216300002	**SW-2**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216300003	**SW-4**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216300004	**SW-5**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216300005	**SW-11**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216300006	**SW-12**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216300007	**SW-1**	EPA 3010	MPRP/27434	EPA 6020	ICPM/11184
35216300001	**SW-3**	SM 9222D	MBIO/18727	SM 9222D	MBIO/18728
35216300002	**SW-2**	SM 9222D	MBIO/18727	SM 9222D	MBIO/18728
35216300003	**SW-4**	SM 9222D	MBIO/18727	SM 9222D	MBIO/18728
35216300004	**SW-5**	SM 9222D	MBIO/18727	SM 9222D	MBIO/18728
35216300005	**SW-11**	SM 9222D	MBIO/18727	SM 9222D	MBIO/18728
35216300006	**SW-12**	SM 9222D	MBIO/18727	SM 9222D	MBIO/18728
35216300007	**SW-1**	SM 9222D	MBIO/18727	SM 9222D	MBIO/18728
35216300001	**SW-3**	EPA 1631E	MERP/8674	EPA 1631E	MERC/8333
35216300002	**SW-2**	EPA 1631E	MERP/8674	EPA 1631E	MERC/8333
35216300003	**SW-4**	EPA 1631E	MERP/8674	EPA 1631E	MERC/8333
35216300004	**SW-5**	EPA 1631E	MERP/8674	EPA 1631E	MERC/8333
35216300005	**SW-11**	EPA 1631E	MERP/8674	EPA 1631E	MERC/8333
35216300006	**SW-12**	EPA 1631E	MERP/8674	EPA 1631E	MERC/8333
35216300007	**SW-1**	EPA 1631E	MERP/8674	EPA 1631E	MERC/8333
35216300001	**SW-3**	EPA 8260	MSV/16700		
35216300002	**SW-2**	EPA 8260	MSV/16700		
35216300003	**SW-4**	EPA 8260	MSV/16700		
35216300004	**SW-5**	EPA 8260	MSV/16700		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216300005	**SW-11**	EPA 8260	MSV/16700		
35216300006	**SW-12**	EPA 8260	MSV/16700		
35216300007	**SW-1**	EPA 8260	MSV/16700		
35216300008	**Trip Blank SW 11/12/15**	EPA 8260	MSV/16700		
35216300001	**SW-3**	SM 2540C	WET/34166		
35216300002	**SW-2**	SM 2540C	WET/34166		
35216300003	**SW-4**	SM 2540C	WET/34166		
35216300004	**SW-5**	SM 2540C	WET/34166		
35216300005	**SW-11**	SM 2540C	WET/34166		
35216300006	**SW-12**	SM 2540C	WET/34166		
35216300007	**SW-1**	SM 2540C	WET/34166		
35216300001	**SW-3**	SM 2540D	WET/34162		
35216300002	**SW-2**	SM 2540D	WET/34162		
35216300003	**SW-4**	SM 2540D	WET/34162		
35216300004	**SW-5**	SM 2540D	WET/34162		
35216300005	**SW-11**	SM 2540D	WET/34163		
35216300006	**SW-12**	SM 2540D	WET/34163		
35216300007	**SW-1**	SM 2540D	WET/34163		
35216300001	**SW-3**	SM 5210B	WET/34126	SM 5210B	WET/34207
35216300002	**SW-2**	SM 5210B	WET/34126	SM 5210B	WET/34207
35216300003	**SW-4**	SM 5210B	WET/34126	SM 5210B	WET/34207
35216300004	**SW-5**	SM 5210B	WET/34126	SM 5210B	WET/34207
35216300005	**SW-11**	SM 5210B	WET/34126	SM 5210B	WET/34207
35216300006	**SW-12**	SM 5210B	WET/34126	SM 5210B	WET/34207
35216300007	**SW-1**	SM 5210B	WET/34126	SM 5210B	WET/34207
35216300001	**SW-3**	SM10200	WET/34144	SM10200	WET/34200
35216300002	**SW-2**	SM10200	WET/34144	SM10200	WET/34200
35216300003	**SW-4**	SM10200	WET/34144	SM10200	WET/34200
35216300004	**SW-5**	SM10200	WET/34144	SM10200	WET/34200
35216300005	**SW-11**	SM10200	WET/34144	SM10200	WET/34200
35216300006	**SW-12**	SM10200	WET/34144	SM10200	WET/34200
35216300007	**SW-1**	SM10200	WET/34144	SM10200	WET/34200
35216300001	**SW-3**	TKN+NOx Calculation	WET/34254		
35216300002	**SW-2**	TKN+NOx Calculation	WET/34254		
35216300003	**SW-4**	TKN+NOx Calculation	WET/34254		
35216300004	**SW-5**	TKN+NOx Calculation	WET/34254		
35216300005	**SW-11**	TKN+NOx Calculation	WET/34254		
35216300006	**SW-12**	TKN+NOx Calculation	WET/34254		
35216300007	**SW-1**	TKN+NOx Calculation	WET/34254		
35216300001	**SW-3**	EPA 350.1	WETA/52089		
35216300002	**SW-2**	EPA 350.1	WETA/52089		
35216300003	**SW-4**	EPA 350.1	WETA/52089		
35216300004	**SW-5**	EPA 350.1	WETA/52089		
35216300005	**SW-11**	EPA 350.1	WETA/52089		
35216300006	**SW-12**	EPA 350.1	WETA/52089		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Semi-Annual LF SWs
Pace Project No.: 35216300

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35216300007	**SW-1**	EPA 350.1	WETA/52089		
35216300001	**SW-3**	EPA 351.2	WETA/52247	EPA 351.2	WETA/52277
35216300002	**SW-2**	EPA 351.2	WETA/52247	EPA 351.2	WETA/52277
35216300003	**SW-4**	EPA 351.2	WETA/52247	EPA 351.2	WETA/52277
35216300004	**SW-5**	EPA 351.2	WETA/52247	EPA 351.2	WETA/52277
35216300005	**SW-11**	EPA 351.2	WETA/52247	EPA 351.2	WETA/52277
35216300006	**SW-12**	EPA 351.2	WETA/52247	EPA 351.2	WETA/52277
35216300007	**SW-1**	EPA 351.2	WETA/52247	EPA 351.2	WETA/52277
35216300001	**SW-3**	EPA 353.2	WETA/52106		
35216300002	**SW-2**	EPA 353.2	WETA/52106		
35216300003	**SW-4**	EPA 353.2	WETA/52106		
35216300004	**SW-5**	EPA 353.2	WETA/52106		
35216300005	**SW-11**	EPA 353.2	WETA/52106		
35216300006	**SW-12**	EPA 353.2	WETA/52106		
35216300007	**SW-1**	EPA 353.2	WETA/52106		
35216300001	**SW-3**	EPA 365.4	WETA/52248	EPA 365.4	WETA/52278
35216300002	**SW-2**	EPA 365.4	WETA/52248	EPA 365.4	WETA/52278
35216300003	**SW-4**	EPA 365.4	WETA/52248	EPA 365.4	WETA/52278
35216300004	**SW-5**	EPA 365.4	WETA/52248	EPA 365.4	WETA/52278
35216300005	**SW-11**	EPA 365.4	WETA/52248	EPA 365.4	WETA/52278
35216300006	**SW-12**	EPA 365.4	WETA/52248	EPA 365.4	WETA/52278
35216300007	**SW-1**	EPA 365.4	WETA/52248	EPA 365.4	WETA/52278
35216300001	**SW-3**	EPA 410.4	WETA/52289		
35216300002	**SW-2**	EPA 410.4	WETA/52289		
35216300003	**SW-4**	EPA 410.4	WETA/52289		
35216300004	**SW-5**	EPA 410.4	WETA/52289		
35216300005	**SW-11**	EPA 410.4	WETA/52289		
35216300006	**SW-12**	EPA 410.4	WETA/52289		
35216300007	**SW-1**	EPA 410.4	WETA/52289		
35216300001	**SW-3**	SM 5310B	WETA/52103		
35216300002	**SW-2**	SM 5310B	WETA/52103		
35216300003	**SW-4**	SM 5310B	WETA/52104		
35216300004	**SW-5**	SM 5310B	WETA/52104		
35216300005	**SW-11**	SM 5310B	WETA/52104		
35216300006	**SW-12**	SM 5310B	WETA/52104		
35216300007	**SW-1**	SM 5310B	WETA/52104		

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CHAIN OF CUSTODY / Analytical Request Document

WO# : 35216300

35216300

Page: 1 of 1

1866024

Section A Required Client Information:	Section B Required Project Information:	
Company: Volusia County Solid Waste	Report To:	Company Name:
Address:	Copy To:	Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Tomoka LF Semi Annual SW	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BOD, NO3, TSS, TDS	Chlorophyll 11-A	Low Level Mercury	Metal 6010, 6020	Ammonia, COD, TP, TKN	Fecal Coliform MF	EDB 8011	TOC	8260 VOCs Full List	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW3					11-12-15	0730												Y	Y	Y	Y	Y	Y	Y	Y	Y		
2	SW2						0810																						
3	SW4						0830																						
4	SW5						0900																						
5	SW11						0930																						
6	SW12						1000																						
7	SW1						1050																						
8	Trip Blank																												
9																													
10																													
11																													
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	PACE	11/12/15	1135	PACE	11/12/15	1135	
	PACE	11/12/15	1205	TDA	11/12/15	1209	4.9 Y N T198

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DAVID PACE

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 11-12-15

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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 11-12-15 Time: 0710 Departed Site Time:

Sampler's Signature Sampler's Name DAVID ICK

CLIENT NAME: Volusia County Solid Waste PROJECT NAME: Tomoka LF Semi Annual SWS

CLIENT CONTACT: SITE CONTACT:

Personnel on Site: DAVID ICK

SITE Location: Tomoka LF

Ambient Conditions: Fog 62

Brief Description of Field Activities:

Field Equipment Used: YSI 556 MicroTPW

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	Date and Time	Parameters	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity
SW 3	11-12-15 0730	BO #41942	Yellow		6.49	22.39	335	1.78	16.65
SW 2	0810		Yellow		6.87	22.59	381	2.59	4.28
SW 4	0830		Yellow		6.77	21.97	386	1.23	1.72
SW 5	0900		Yellow		7.01	23.82	499	0.84	2.11
SW 11	0930		Yellow		7.24	26.60	487	6.23	4.60
SW 12	1000		Yellow		7.65	27.39	453	4.68	2.31

Calibration of Meters

Meter	Y / N	Standard	Slope	Variance	Value
SW 1	1050		Yellow	227 2646	275 320 401

Other Notation's or Anomalies:

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: Volusia County Project # 352116 2300

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other _____ 11/12/15 (TT)

Tracking # _____

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

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

Thermometer Used T-198

Type of Ice: (Wet) Blue None

Cooler Temperature °C 2.6 (Visual) +0.3 (Correction Factor) 2.9 (Actual)

#2 4.2 +0.3 4.5

Date and Initials of person examining contents: 11/12/15 1209 DRC

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

Receipt of samples satisfactory: ☒ Yes ☐ No

Rush TAT requested on COC:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

#3 2.1 +0.3 2.4

#4 2.0 +0.3 2.3

Project Manager Review: _____ Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

_____ x 5 Gal

_____ x 2.5 Gal

_____ x 1 Gal

_____ x 1 Liter

_____ x 500 mL

_____ x 250 mL

_____ x Other: _____