

ANALYTICAL REPORT

Job Number: 660-35805-1

SDG Number: 35805

Job Description: FPL Turkey Point Analytical Services

For:

Florida Power & Light Company
Technical Services - PGD Environmental
Water Compliance/Permitting
700 Universe Blvd (JES/JB)
Juno Beach, FL 33408
Attention: Ms. Stacy Foster



Approved for release.
Amy Atkins
Project Manager I
8/24/2010 8:37 AM

Amy Atkins
Project Manager I
amy.atkins@testamericainc.com
08/24/2010
Revision: 1

cc: Ms. Sharon Ewe

Methods: FDEP, DOH Certification #: TestAmerica Tampa E84282; TestAmerica Tallahassee E81005; TestAmerica Savannah E87052 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the TestAmerica Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

DRAFT

THE DATA IN THIS REPORT HAS NOT HAD A FINAL QA/QC CHECK

Job Narrative
660-35805-1

Comments

Report revised to show lower limits for 200.7.

Receipt

All samples were received in good condition within temperature requirements.

Metals

Method 200.7: The following sample was received unpreserved and was preserved upon receipt to the laboratory: 061610-TPGW-5D (660-35805-1). Initial pH was adjusted to <2 with HNO3 lot 2MER0014. Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.

Method 200.7 Rev 4.4: The following sample was diluted due to the nature of the sample matrix: 061610-TPGW-5D (660-35805-1). Elevated reporting limits (RLs) are provided.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for Calcium in batch 96355 were outside control limits with the sample greater than 4x the spike level. The associated laboratory control sample (LCS) recovery met acceptance criteria.

General Chemistry

DOC samples were field filtered and preserved in the lab.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 96178 were outside control limits for Chloride. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method SM 4500 S2 F: Insufficient sample volume was provided to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 96052. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35805-1	061610-TPGW-5D				
Field pH		6.85		SU	Field Sampling
Field Temperature		24.69		Degrees C	Field Sampling
Oxygen, Dissolved		4.0		mg/L	Field Sampling
Specific Conductance		29980		umhos/cm	Field Sampling
Turbidity		0.46		NTU	Field Sampling
Bromide		40	5.0	mg/L	300.0
Chloride		12000	500	mg/L	300.0
Sulfate		1300	50	mg/L	300.0
Alkalinity		220	1.0	mg/L	SM 2320B
Total Dissolved Solids		21000	250	mg/L	SM 2540C
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		55	1.0	mg/L	9060
<i>Total Recoverable</i>					
Barium		220	100	ug/L	200.7 Rev 4.4
Iron		1600	500	ug/L	200.7 Rev 4.4
Boron		1100	500	ug/L	6010B
Calcium		600	5.0	mg/L	6010B
Potassium		210	10	mg/L	6010B
Strontium		7800	50	ug/L	6010B
Magnesium		750	0.80	mg/L	6010B
Sodium		6500	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35805-2	061610-TPGW-5M				
Field pH		6.92		SU	Field Sampling
Field Temperature		24.61		Degrees C	Field Sampling
Oxygen, Dissolved		1.1		mg/L	Field Sampling
Specific Conductance		21350		umhos/cm	Field Sampling
Turbidity		0.16		NTU	Field Sampling
Bromide		30	5.0	mg/L	300.0
Chloride		8900	500	mg/L	300.0
Sulfate		860	50	mg/L	300.0
Alkalinity		210	1.0	mg/L	SM 2320B
Total Dissolved Solids		17000	250	mg/L	SM 2540C
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		54	1.0	mg/L	9060
<i>Total Recoverable</i>					
Barium		260	10	ug/L	200.7 Rev 4.4
Iron		5400	50	ug/L	200.7 Rev 4.4
Boron		580	500	ug/L	6010B
Calcium		570	5.0	mg/L	6010B
Potassium		120	10	mg/L	6010B
Strontium		6800	50	ug/L	6010B
Magnesium		540	0.80	mg/L	6010B
Sodium		4900	100	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
660-35805-3	061610-TPGW-5S				
Field pH		7.47		SU	Field Sampling
Field Temperature		25.80		Degrees C	Field Sampling
Oxygen, Dissolved		1.2		mg/L	Field Sampling
Specific Conductance		958		umhos/cm	Field Sampling
Turbidity		5.27		NTU	Field Sampling
Bromide		0.74	0.050	mg/L	300.0
Chloride		210	5.0	mg/L	300.0
Fluoride		0.051	0.050	mg/L	300.0
Sulfate		19	0.50	mg/L	300.0
Alkalinity		240	1.0	mg/L	SM 2320B
Total Dissolved Solids		690	5.0	mg/L	SM 2540C
<i>Dissolved</i>					
Dissolved Inorganic Carbon-Dissolved		62	1.0	mg/L	9060
<i>Total Recoverable</i>					
Barium		40	10	ug/L	200.7 Rev 4.4
Iron		560	50	ug/L	200.7 Rev 4.4
Boron		54	50	ug/L	6010B
Calcium		130	0.50	mg/L	6010B
Potassium		7.7	1.0	mg/L	6010B
Strontium		1300	5.0	ug/L	6010B
Magnesium		8.4	0.080	mg/L	6010B
Sodium		110	0.50	mg/L	6010B

METHOD SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL TAL	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL TAL		EPA 200.7
Metals (ICP)	TAL TAM	SW846 6010B	
Preparation, Total Recoverable or Dissolved Metals	TAL TAM		SW846 3005A
Anions, Ion Chromatography	TAL TAM	MCAWW 300.0	
Carbon, Dissolved and Dissolved Inorganic	TAL SAV	SW846 9060	
Sample Filtration, Field	TAL SAV		FIELD_FLTRD
Alkalinity	TAL TAM	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL TAM	SM SM 2540C	
Sulfide, Total	TAL TAM	SM SM 4500 S2 F	
Field Sampling	TAL TAM	EPA Field Sampling	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAL = TestAmerica Tallahassee

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	Neal, Amanda J	AJN
EPA 200.7 Rev 4.4	Wallace, Tiffany B	TBW
SW846 6010B	Fox, Greg	GF
EPA Field Sampling	Sampler, Field	FS
MCAWW 300.0	Sengsouvana, Dom	DS
SW846 9060	Blackshear, Kim	KB
SM SM 2320B	Steward, Tiffany	TS
SM SM 2540C	Oonnoonny, Thomas	TO
SM SM 4500 S2 F	Mostafavifar, Efe	EM

SAMPLE SUMMARY

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
660-35805-1	061610-TPGW-5D	Water	06/16/2010 1336	06/17/2010 0840
660-35805-2	061610-TPGW-5M	Water	06/16/2010 1445	06/17/2010 0840
660-35805-3	061610-TPGW-5S	Water	06/16/2010 1230	06/17/2010 0840

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Client Sample ID: 061610-TPGW-5D
Lab Sample ID: 660-35805-1
Client Matrix: Water

Date Sampled: 06/16/2010 1336
Date Received: 06/17/2010 0840

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70408	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149	Lab File ID:	062910.csv
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/29/2010 0856		Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	220		9.6	100
Iron	1600		46	500

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0909		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	600		1.0	5.0
Potassium	210		1.9	10
Magnesium	750		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	1100		100	500
Strontium	7800		10	50

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 1025	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	6500		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Client Sample ID: 061610-TPGW-5M
Lab Sample ID: 660-35805-2
Client Matrix: Water

Date Sampled: 06/16/2010 1445
Date Received: 06/17/2010 0840

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70371	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1320		Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	260		0.96	10
Iron	5400		4.6	50

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	10		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 0915		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	570		1.0	5.0
Potassium	120		1.9	10
Magnesium	540		0.20	0.80

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	580		100	500
Strontium	6800		10	50

Method:	6010B	Analysis Batch: 660-96428	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F25A
Dilution:	200		Initial Weight/Volume:	50 mL
Date Analyzed:	06/25/2010 1031	Run Type: DL	Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Sodium	4900		62	100

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Client Sample ID: 061610-TPGW-5S
Lab Sample ID: 660-35805-3
Client Matrix: Water

Date Sampled: 06/16/2010 1230
Date Received: 06/17/2010 0840

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Method:	200.7 Rev 4.4	Analysis Batch: 640-70371	Instrument ID:	ICP2
Preparation:	200.7	Prep Batch: 640-70149	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/28/2010 1325		Final Weight/Volume:	50 mL
Date Prepared:	06/22/2010 1000			

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Barium	40		0.96	10
Iron	560		4.6	50

6010B Metals (ICP)-Total Recoverable

Method:	6010B	Analysis Batch: 660-96375	Instrument ID:	ICPA
Preparation:	3005A	Prep Batch: 660-96355	Lab File ID:	10F24A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2010 1610		Final Weight/Volume:	50 mL
Date Prepared:	06/24/2010 0908			

Analyte	Result (mg/L)	Qualifier	MDL	PQL
Calcium	130		0.10	0.50
Potassium	7.7		0.19	1.0
Magnesium	8.4		0.020	0.080
Sodium	110		0.31	0.50

Analyte	Result (ug/L)	Qualifier	MDL	PQL
Boron	54		10	50
Strontium	1300		1.0	5.0

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

General Chemistry

Client Sample ID: 061610-TPGW-5D

Lab Sample ID: 660-35805-1

Client Matrix: Water

Date Sampled: 06/16/2010 1336

Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	40		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2122					
Chloride	12000		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96392	Date Analyzed: 06/23/2010 2159					
Fluoride	0.040	U	mg/L	0.040	0.10	2.0	300.0
	Analysis Batch: 660-96606	Date Analyzed: 06/29/2010 2107					
Sulfate	1300		mg/L	20	50	100	300.0
	Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2122					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	55		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	220		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1355					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1355					
Total Dissolved Solids	21000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96110	Date Analyzed: 06/18/2010 1330					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96052	Date Analyzed: 06/17/2010 1640					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

General Chemistry

Client Sample ID: 061610-TPGW-5M

Lab Sample ID: 660-35805-2

Client Matrix: Water

Date Sampled: 06/16/2010 1445

Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	30		mg/L	2.7	5.0	100	300.0
	Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2144					
Chloride	8900		mg/L	200	500	1000	300.0
	Analysis Batch: 660-96392	Date Analyzed: 06/23/2010 2220					
Fluoride	0.040	U	mg/L	0.040	0.10	2.0	300.0
	Analysis Batch: 660-96606	Date Analyzed: 06/29/2010 2125					
Sulfate	860		mg/L	20	50	100	300.0
	Analysis Batch: 660-96235	Date Analyzed: 06/21/2010 2144					
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	54		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887	Date Analyzed: 06/28/2010 1127					
Alkalinity	210		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1408					
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198	Date Analyzed: 06/21/2010 1408					
Total Dissolved Solids	17000		mg/L	250	250	1.0	SM 2540C
	Analysis Batch: 660-96110	Date Analyzed: 06/18/2010 1330					
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96052	Date Analyzed: 06/17/2010 1640					

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

General Chemistry

Client Sample ID: 061610-TPGW-5S

Lab Sample ID: 660-35805-3

Client Matrix: Water

Date Sampled: 06/16/2010 1230

Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	MDL	PQL	Dil	Method
Bromide	0.74		mg/L	0.027	0.050	1.0	300.0
	Analysis Batch: 660-96178		Date Analyzed: 06/19/2010 0958				
Chloride	210		mg/L	2.0	5.0	10	300.0
	Analysis Batch: 660-96101		Date Analyzed: 06/17/2010 1919				
Fluoride	0.051		mg/L	0.020	0.050	1.0	300.0
	Analysis Batch: 660-96178		Date Analyzed: 06/19/2010 0958				
Sulfate	19		mg/L	0.20	0.50	1.0	300.0
	Analysis Batch: 660-96178		Date Analyzed: 06/19/2010 0958				
Analyte	Result	Qual	Units	PQL	PQL	Dil	Method
Dissolved Inorganic Carbon-Dissolved	62		mg/L	1.0	1.0	1.0	9060
	Analysis Batch: 680-172887		Date Analyzed: 06/28/2010 1127				
Alkalinity	240		mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198		Date Analyzed: 06/21/2010 1414				
Carbonate Alkalinity as CaCO3	1.0	U	mg/L	1.0	1.0	1.0	SM 2320B
	Analysis Batch: 660-96198		Date Analyzed: 06/21/2010 1414				
Total Dissolved Solids	690		mg/L	5.0	5.0	1.0	SM 2540C
	Analysis Batch: 660-96110		Date Analyzed: 06/18/2010 1331				
Sulfide	1.0	U	mg/L	1.0	1.0	1.0	SM 4500 S2 F
	Analysis Batch: 660-96052		Date Analyzed: 06/17/2010 1640				

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1

Sdg Number: 35805

Field Service / Mobile Lab

Client Sample ID: 061610-TPGW-5D

Lab Sample ID: 660-35805-1

Client Matrix: Water

Date Sampled: 06/16/2010 1336

Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.85		SU	1.0	Field Sampling	660-97058	06/16/2010 1336
Field Temperature	24.69		Degrees C	1.0	Field Sampling	660-97058	06/16/2010 1336
Oxygen, Dissolved	4.0		mg/L	1.0	Field Sampling	660-97058	06/16/2010 1336
Specific Conductance	29980		umhos/cm	1.0	Field Sampling	660-97058	06/16/2010 1336
Turbidity	0.46		NTU	1.0	Field Sampling	660-97058	06/16/2010 1336

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1

Sdg Number: 35805

Field Service / Mobile Lab

Client Sample ID: 061610-TPGW-5M

Lab Sample ID: 660-35805-2

Client Matrix: Water

Date Sampled: 06/16/2010 1445

Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	6.92		SU	1.0	Field Sampling	660-97058	06/16/2010 1445
Field Temperature	24.61		Degrees C	1.0	Field Sampling	660-97058	06/16/2010 1445
Oxygen, Dissolved	1.1		mg/L	1.0	Field Sampling	660-97058	06/16/2010 1445
Specific Conductance	21350		umhos/cm	1.0	Field Sampling	660-97058	06/16/2010 1445
Turbidity	0.16		NTU	1.0	Field Sampling	660-97058	06/16/2010 1445

Analytical Data

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Field Service / Mobile Lab

Client Sample ID: 061610-TPGW-5S

Lab Sample ID: 660-35805-3

Client Matrix: Water

Date Sampled: 06/16/2010 1230

Date Received: 06/17/2010 0840

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field pH	7.47		SU	1.0	Field Sampling	660-97058	06/16/2010 1230
Field Temperature	25.80		Degrees C	1.0	Field Sampling	660-97058	06/16/2010 1230
Oxygen, Dissolved	1.2		mg/L	1.0	Field Sampling	660-97058	06/16/2010 1230
Specific Conductance	958		umhos/cm	1.0	Field Sampling	660-97058	06/16/2010 1230
Turbidity	5.27		NTU	1.0	Field Sampling	660-97058	06/16/2010 1230

DATA REPORTING QUALIFIERS

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Lab Section	Qualifier	Description
Metals	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
General Chemistry	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 640-70149

Lab Sample ID: MB 640-70149/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1149
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70371
Prep Batch: 640-70149
Units: ug/L

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Instrument ID: ICP2
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Barium	0.96	U	0.96	10
Iron	4.6	U	4.6	50

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 640-70149

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

LCS Lab Sample ID: LCS 640-70149/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1154
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70371
Prep Batch: 640-70149
Units: ug/L

Instrument ID: ICP2
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 640-70149/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1159
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70371
Prep Batch: 640-70149
Units: ug/L

Instrument ID: ICP2
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Barium	98	100	85 - 115	2	20		
Iron	97	98	85 - 115	2	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 640-70149

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

MS Lab Sample ID: 660-35826-G-1-B MS
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 0805
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70408
Prep Batch: 640-70149

Instrument ID: ICP2
Lab File ID: 062910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35826-G-1-C MSD
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 0810
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70408
Prep Batch: 640-70149

Instrument ID: ICP2
Lab File ID: 062910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Barium	106	108	70 - 130	1	20		
Iron	89	90	70 - 130	1	20		

Duplicate - Batch: 640-70149

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID: 660-35826-G-2-B DU
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 0828
Date Prepared: 06/22/2010 1000

Analysis Batch: 640-70408
Prep Batch: 640-70149
Units: ug/L

Instrument ID: ICP2
Lab File ID: 062910.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Barium	110	85.5	26	20	I J3
Iron	1700	1690	1	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1

Sdg Number: 35805

Method Blank - Batch: 660-96355

Lab Sample ID: MB 660-96355/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1421
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: mg/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Calcium	0.10	U	0.10	0.50
Potassium	0.19	U	0.19	1.0
Magnesium	0.020	U	0.020	0.080
Sodium	0.31	U	0.31	0.50

Method Blank - Batch: 660-96355

Lab Sample ID: MB 660-96355/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1421
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: ug/L

Method: 6010B Preparation: 3005A Total Recoverable

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	PQL
Boron	10	U	10	50
Strontium	1.0	U	1.0	5.0

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1

Sdg Number: 35805

Lab Control Sample - Batch: 660-96355

Method: 6010B

Preparation: 3005A

Total Recoverable

Lab Sample ID: LCS 660-96355/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1427
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: mg/L

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	1.00	1.01	101	75 - 125	
Potassium	10.0	10.3	103	75 - 125	
Magnesium	1.00	1.01	101	75 - 125	
Sodium	10.0	10.2	102	75 - 125	

Lab Control Sample - Batch: 660-96355

Method: 6010B

Preparation: 3005A

Total Recoverable

Lab Sample ID: LCS 660-96355/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1427
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355
Units: ug/L

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Boron	1000	1010	101	75 - 125	
Strontium	1000	1090	109	75 - 125	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1

Sdg Number: 35805

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96355

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-35887-E-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1446
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35887-E-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1452
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Calcium	246	233	75 - 125	0	20	J3	J3
Potassium	122	124	75 - 125	1	20		
Magnesium	108	110	75 - 125	0	20		
Sodium	111	101	75 - 125	1	20		

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 660-96355

Method: 6010B

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 660-35887-E-1-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1446
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35887-E-1-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/24/2010 1452
Date Prepared: 06/24/2010 0908

Analysis Batch: 660-96375
Prep Batch: 660-96355

Instrument ID: ICPA
Lab File ID: 10F24A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Boron	105	105	75 - 125	1	20		
Strontium	108	110	75 - 125	1	20		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96101

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96101/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1531
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96101

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96101/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1549
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 12.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.6	106	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 660-96101

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35696-G-5 MS ^5
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/17/2010 1624
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 14.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35696-G-5 MSD ^5
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 06/17/2010 1641
Date Prepared: N/A

Analysis Batch: 660-96101
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 15.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	102	102	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96178

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96178/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0516
Date Prepared: N/A

Analysis Batch: 660-96178
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 44.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Chloride	0.20	U	0.20	0.50
Fluoride	0.020	U	0.020	0.050
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96178

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96178/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/19/2010 0538
Date Prepared: N/A

Analysis Batch: 660-96178
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 45.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.975	98	90 - 110	
Chloride	10.0	10.2	102	90 - 110	
Fluoride	1.00	1.01	101	90 - 110	
Sulfate	10.0	10.0	100	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1

Sdg Number: 35805

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96178

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35749-J-3 MS ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/19/2010 0831
Date Prepared: N/A

Analysis Batch: 660-96178
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 53.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35749-J-3 MSD ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/19/2010 0853
Date Prepared: N/A

Analysis Batch: 660-96178
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 54.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	110	110	90 - 110	0	30	J3	J3
Chloride	112	112	90 - 110	0	30		
Fluoride	104	105	90 - 110	1	30		
Sulfate	105	105	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96235

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96235/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1745
Date Prepared: N/A

Analysis Batch: 660-96235
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Bromide	0.027	U	0.027	0.050
Sulfate	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96235

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96235/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1807
Date Prepared: N/A

Analysis Batch: 660-96235
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 12.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	1.00	0.924	92	90 - 110	
Sulfate	10.0	9.37	94	90 - 110	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96235

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35749-J-1 MS ^25
Client Matrix: Water
Dilution: 25
Date Analyzed: 06/21/2010 1850
Date Prepared: N/A

Analysis Batch: 660-96235
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 14.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35749-J-1 MSD ^25
Client Matrix: Water
Dilution: 25
Date Analyzed: 06/21/2010 1912
Date Prepared: N/A

Analysis Batch: 660-96235
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 15.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	102	105	90 - 110	4	30		
Sulfate	94	104	90 - 110	3	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96392

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96392/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 2010
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 43.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Result	Qual	MDL	PQL
Chloride	0.20	U	0.20	0.50

Lab Control Sample - Batch: 660-96392

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96392/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/23/2010 2137
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX2
Lab File ID: 44.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 1 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	10.0	10.1	101	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96392

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35841-B-1 MS ^100
Client Matrix: Water
Dilution: 100
Date Analyzed: 06/24/2010 0157
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 56.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35841-B-1 MSD
Client Matrix: Water
Dilution: 100
Date Analyzed: 06/24/2010 0219
Date Prepared: N/A

Analysis Batch: 660-96392
Prep Batch: N/A

Instrument ID: DIONEX2
Lab File ID: 57.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	105	108	90 - 110	3	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96606

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 660-96606/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1721
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 11.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	PQL
Fluoride	0.020	U	0.020	0.050

Lab Control Sample - Batch: 660-96606

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 660-96606/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/29/2010 1838
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A
Units: mg/L

Instrument ID: DIONEX 1
Lab File ID: 12.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoride	1.00	1.01	101	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 660-96606

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 660-35863-I-7 MS ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 1949
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 16.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 660-35863-I-7 MSD ^10
Client Matrix: Water
Dilution: 10
Date Analyzed: 06/29/2010 2006
Date Prepared: N/A

Analysis Batch: 660-96606
Prep Batch: N/A

Instrument ID: DIONEX 1
Lab File ID: 17.0000.TXT
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Fluoride	95	95	90 - 110	0	30		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 680-172887

Method: 9060
Preparation: N/A

Lab Sample ID: MB 680-172887/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1127
Date Prepared: N/A

Analysis Batch: 680-172887
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	PQL	PQL
Dissolved Inorganic Carbon-Dissolved	1.0	U	1.0	1.0
Dissolved Carbon-Dissolved	1.0	U	1.0	1.0

Lab Control Sample - Batch: 680-172887

Method: 9060
Preparation: N/A

Lab Sample ID: LCS 680-172887/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/28/2010 1127
Date Prepared: N/A

Analysis Batch: 680-172887
Prep Batch: N/A
Units: mg/L

Instrument ID: TOC3
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dissolved Inorganic Carbon-Dissolved	20.0	19.7	98		
Dissolved Carbon-Dissolved	20.0	19.7	98		

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96198

Method: SM 2320B
Preparation: N/A

Lab Sample ID: MB 660-96198/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1342
Date Prepared: N/A

Analysis Batch: 660-96198
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.21.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Alkalinity	1.0	U	1.0	1.0

Lab Control Sample - Batch: 660-96198

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 660-96198/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1349
Date Prepared: N/A

Analysis Batch: 660-96198
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.21.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity	118	120	101	80 - 120	

Duplicate - Batch: 660-96198

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 660-35805-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/21/2010 1402
Date Prepared: N/A

Analysis Batch: 660-96198
Prep Batch: N/A
Units: mg/L

Instrument ID: MANTECH
Lab File ID: 6.21.10a.txt
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity	220	221	0	30	
Carbonate Alkalinity as CaCO ₃	1.0 U	1.0	NC	30	U

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96110

Method: SM 2540C
Preparation: N/A

Lab Sample ID: MB 660-96110/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/18/2010 1324
Date Prepared: N/A

Analysis Batch: 660-96110
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	PQL	PQL
Total Dissolved Solids	5.0	U	5.0	5.0

Lab Control Sample - Batch: 660-96110

Method: SM 2540C
Preparation: N/A

Lab Sample ID: LCS 660-96110/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/18/2010 1325
Date Prepared: N/A

Analysis Batch: 660-96110
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	10000	9950	100	80 - 120	

Duplicate - Batch: 660-96110

Method: SM 2540C
Preparation: N/A

Lab Sample ID: 660-35787-D-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/18/2010 1327
Date Prepared: N/A

Analysis Batch: 660-96110
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	1100	1150	0	20	

Quality Control Results

Client: Florida Power & Light Company

Job Number: 660-35805-1
Sdg Number: 35805

Method Blank - Batch: 660-96052

Method: SM 4500 S2 F
Preparation: N/A

Lab Sample ID: MB 660-96052/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1640
Date Prepared: N/A

Analysis Batch: 660-96052
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	PQL	PQL
Sulfide	1.0	U	1.0	1.0

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 660-96052

Method: SM 4500 S2 F
Preparation: N/A

LCS Lab Sample ID: LCS 660-96052/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1640
Date Prepared: N/A

Analysis Batch: 660-96052
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

LCSD Lab Sample ID: LCSD 660-96052/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/17/2010 1640
Date Prepared: N/A

Analysis Batch: 660-96052
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 250 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Sulfide	98	98	75 - 125	0	25		

660-35805

STO 3176

Page 35 of 43

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Serial Number 015280

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049Alternate Laboratory Name/Location: Stable Isotope Lab
UNIV OF PALM BEACH
ROSEN STEEL SCIENTIFIC
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Matrix, if required analysis

PAGE _____ OF _____

MATRIX TYPE

AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT...)

Carbon Isotopes

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Serial Number 015281

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.testamericainc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/location: UNIVERSITY OF MIAMI - LAB OF MICROBIAL ECOSYSTEMS L-7
DEPT OF BIOLOGY
Coral Gables, FL 33124
Phone: 305.274.1500
Fax: 305.274.1500

PROJECT REFERENCE PROJECT NO. 660-35805 PROJECT LOCATION (STATE) FL

SAMPLER'S SIGNATURE P.O. NUMBER CONTRACT NO.

CLIENT (SITE) PM CLIENT PHONE CLIENT FAX

CLIENT NAME CLIENT E-MAIL

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

SAMPLE IDENTIFICATION

SAMPLE DATE TIME

6/16/10 1336 061610-TPGW-SD

1445 061610-TPGW-SM

1330 061610-TPGW-SS

COMPOSITE (C) OR GRAB (G) INDICATE
AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT,...)

NUMBER OF CONTAINERS SUBMITTED

DATE TIME

6/16/10 1336 061610-TPGW-SD

1445 061610-TPGW-SM

1330 061610-TPGW-SS

REMARKS

STANDARD REPORT DELIVERY

DATE DUE

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT

RELINQUISHED BY: (SIGNATURE)

DATE TIME

EMPTY CONTAINERS

RECEIVED BY: (SIGNATURE)

DATE TIME

EMPTY CONTAINERS

RECEIVED FOR LABORATORY BY: (SIGNATURE)

DATE TIME

CUSTODY INTACT

CUSTODY SEAL NO.

LABORATORY USE ONLY

COOLER TEMP. UPON RECEIPT

LABORATORY REMARKS

RELINQUISHED BY: (SIGNATURE)

DATE TIME

RECEIVED BY: (SIGNATURE)

DATE TIME

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: _____ SITE LOCATION: Turkey Point
WELL NO: TP6W-5D SAMPLE ID: 061610-TP6W-5D DATE: 6/16/10

PURGING DATA

WELL DIAMETER (inches): 2 TUBING DIAMETER (inches): 3/16 to 1/4 WELL SCREEN INTERVAL DEPTH: _____ feet to _____ feet STATIC DEPTH TO WATER (feet): _____ PURGE PUMP TYPE OR BAILER: Pump (peristaltic)

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) soft tubing = _____ gallons + (0.014 gallons/foot X 70 feet) + _____ gallons = 0.98 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): _____ FINAL PUMP OR TUBING DEPTH IN WELL (feet): _____ PURGING INITIATED AT: 12:15 PURGING ENDED AT: 13:09 TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) mg/L or $\%$ saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:31	1 gal	1 gal	0.1	4.9	6.82	24.85	30.20	3.5	3.58	clear	None
12:39	0.6	1.6	0.1		6.82	24.80	30.20	4.2 (0.31 mg/L)	0.04	clear	None
12:45	0.8	2.4	0.12		6.83	24.80	30.20	6.9 (0.49 mg/L)	0.01	clear	None
12:51	0.45	2.85	0.12	5.13	6.84	24.81	30.19	4.7 (0.35 mg/L)	0.11	clear	None
12:56	0.5	3.20	0.10	5.14	6.85	24.84	30.18	4.3 (0.32 mg/L)	0.15	clear	None
13:02	0.4	3.6	0.08	5.14	6.85	24.76	30.17	4.3 (0.32 mg/L)	0.27	clear	None
13:07	0.6	4.2	0.1	5.14	6.85	24.69	29.98	4.0 (0.30 mg/L)	0.46	clear	None

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; 6" = 1.02; 8" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 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: Jessica Jacobs / Steve Hodges SAMPLER(S) SIGNATURE(S): [Signature] SAMPLING INITIATED AT: 13:30 SAMPLING ENDED AT: 14:00

PUMP OR TUBING DEPTH IN WELL (feet): 70 ft TUBING MATERIAL CODE: T FIELD FILTERED: Y N FILTER SIZE: 93 μm

FIELD DECONTAMINATION: PUMP Y TUBING Y (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	1L	—	1L		Alk, Cl, Sulf, Br	APP	50.1
	2	PE	125 mL	—	125 mL		Carbon / Hydroxy	APP	0.1
	2	PE	500 mL	— / HNO_3	500 mL	10	TDS / Sulfate	APP	0.1
	1	PE	250 mL	NHAC	250 mL	2	Metals	APP	0.1
	2	PE	250 mL	— / NHAC	250 mL		Tris / Stront	APP	0.1
	1	AG	250 mL	Hydrochloric Acid	250 mL	3	DOC	APP	0.1

REMARKS: + 1 CG 40 mL 1 CG 40 mL 40 mL 40 mL DIC APP 0.1

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; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: <u>TPGW-5M</u>		SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE: <u>06-16-10</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>3/16"</u>	WELL SCREEN INTERVAL DEPTH: <u>45</u> feet to <u>50</u> feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: <u>Peristaltic</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: <u>1400</u>	PURGING ENDED AT: <u>1440</u>	TOTAL VOLUME PURGED (gallons): <u>4.8</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (cirde units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (cirde units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	ORP
14:14	2.75g	2.75g	0.2	4.85	6.97	24.7°	21.22	14.1% (1.0)	1.48	None	None	-157.4
14:24	1.75g	4.5	0.25	4.82	6.95	24.56	21.24	13.2% (0.9)	0.33	"	"	-160.0
14:30	.5g	5.0g	0.08		6.93	24.68	21.29	1.1 (0.08)	0.42	"	"	-160.3
14:36	.25g	5.25g	0.05	4.80	6.92	24.61	21.36	14 (0.08)	0.16	"	"	-162.1

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 = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>J. J. Cobb / J. Hodges, E+E</u>		SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>		SAMPLING INITIATED AT: <u>14:45</u>	SAMPLING ENDED AT: <u>15:15</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>40</u>		TUBING MATERIAL CODE: <u>T</u>		FIELD-FILTERED: <input checked="" type="checkbox"/> N	FILTER SIZE: <u>45</u> μm
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> TUBING <input checked="" type="checkbox"/> (replaced)		DUPLICATE: <input checked="" type="checkbox"/> 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	1L		1L		AIR, 80u, 1.5r	APP	0.2
	2	PE	125mL		125mL		Carbon/10mL	APP	0.2
	2	PE	500mL	- / 10mL NaOH	500mL		TAP/8.15/20	APP	0.2
	1	PE	250mL	- / 10mL NaOH	250mL		metals	APP	0.2
	2	PE	250mL	- / 10mL NaOH	250mL		TAP/8.15/20	APP	0.2
	1	AG	250mL	- / 10mL NaOH	250mL		DOL	APP	0.2

REMARKS: J CG 40mL

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:		SITE LOCATION: <u>Turkey Point</u>	
WELL NO: <u>TPGW-55</u>	SAMPLE ID: <u>06610-TPGW-55</u>	DATE: <u>6/16/10</u>	

PURGING DATA

WELL DIAMETER (inches): <u>2"</u>	TUBING DIAMETER (inches): <u>3/16" 50' 4"</u>	WELL SCREEN INTERVAL DEPTH: <u>24</u> feet to <u>28</u> feet	STATIC DEPTH TO WATER (feet): <u>4.69</u>	PURGE PUMP TYPE OR BAILER: <u>Pump (peristaltic)</u>
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT: <u>1100</u>
				PURGING ENDED AT: <u>1228</u>
				TOTAL VOLUME PURGED (gallons): <u>6.25</u>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) $\mu\text{mhos/cm}$ or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1115	1 gal	1 gal	0.2	4.69	9.65	27.90	0.739	2.1 (0.17)		Colorless	none
1122	0.55 gal	1.55 gal	0.2	4.69	8.67	25.51	0.820	1.27 (0.10)			
1133	1 gal	2.55 gal	0.2	4.69	8.29	25.84	0.908	1.07 (0.08)	9.36 NTU		
1145	0.75 gal	3.25 gal	0.2	4.69	8.04	25.81	0.938	2.27 (0.17)	8.37 NTU		
1153	0.75 gal	4.0 gal	0.2	4.70	7.77	25.67	0.949	1.07 (0.06)	5.86 NTU		
1202	0.25 gal	4.25	0.2	4.69	7.58	25.78	0.956	0.9 (0.07)	6.58 NTU		
1227	2.00	6.25	0.2		7.47	25.80	0.958	1.2 (0.10)	5.27 NTU		

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>Jessica Jacobs / E & E, Inc.</u>		SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>		SAMPLING INITIATED AT: <u>1230</u>	SAMPLING ENDED AT: <u>1300</u>
PUMP OR TUBING DEPTH IN WELL (feet): <u>260</u>		TUBING MATERIAL CODE: <u>T</u>		FIELD FILTERED: <u>(Y)</u> N	FILTER SIZE: <u>92</u> μm
FIELD DECONTAMINATION: PUMP <u>Y</u> (N)		TUBING <u>Y</u> (N) (replaced)		DUPLICATE: <u>Y</u> (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	1 L	—	1 L	10	Alkalinity/As APP	APP	0.2
	2	PE	500 mL	Br/Acetic Acid	500 mL	10	Sulfide/TDS APP	APP	0.2
	2	PE	125 mL	—	125 mL	—	Carbon/Ammonia APP	APP	0.2
	1	PE	250 mL	Nitric Acid	250 mL	2	Metals APP	APP	0.2
	2	PE	250	—/HCl	250 mL	—	Trifluoromethane APP	APP	0.2
	1	AG	250 mL	HCl	250 mL	3	DOC APP	APP	0.2
REMARKS:	1	CG	40 mL	—	40 mL	—	DIC APP	APP	0.2

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; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 6 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35805-1

SDG Number: 35805

Login Number: 35805

List Source: TestAmerica Tampa

Creator: McNulty, Carol

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	1.1 degrees C Cu-07
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	no Hg required per PM
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35805-1

SDG Number: 35805

Login Number: 35805

Creator: Daughtry, Beth

List Number: 1

List Source: TestAmerica Savannah

List Creation: 06/18/10 12:27 PM

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Check List

Client: Florida Power & Light Company

Job Number: 660-35805-1

SDG Number: 35805

Login Number: 35805

Creator: Archie, Datiska

List Number: 1

List Source: TestAmerica Tallahassee

List Creation: 06/18/10 10:57 AM

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
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Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
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Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	