

One Energy Place
Pensacola, FL 32520-0328
(850) 444-6311

FEDEX



May 8, 2015

Mr. Mark Harris
Supervisor, Power Plant NPDES Permitting
Florida Department of Environmental Protection
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399

**RE: Renewal Application for NPDES Permit No. FL0002283
Gulf Power Company- Scholz Electric Generating Plant**

Dear Mr. Harris:

Attached please find Gulf Power's response to the Department's April 15, 2015 Request for Additional Information No. 1 for the Scholz Electric Generating Plant NPDES permit application.

Pursuant to General Condition IX. 15 of the existing Industrial Wastewater Facility permit, with this response letter Gulf Power Company also notifies the Department of its prospective plans to inactivate the permitted wastewater facility and activity during this permit cycle. Plans to safeguard public health and safety in conjunction with inactivation, including plans for assuring compliance with environmental regulations, are in the preliminary stages of investigation and evaluation. Gulf Power Company requests that the renewal permit contain a new condition that establishes a process for developing and obtaining DEP approval of such plans, particularly with respect to the ash pond, which is a permitted waste treatment system under the permit. Specifically, we suggest that it would be appropriate for a new condition in the renewal permit to require Gulf to file and obtain the Department's approval for a plan of study (to evaluate options) and then a report implementing the plan of study. At the conclusion of this evaluation process the Department would approve an inactivation plan, including a closure plan for the ash pond. The Department's approval on this matter would be subject to review under Florida's Administrative Procedures Act.

Please feel free to contact Robert Jernigan of my staff at 850.444.6024 or Mike Markey at 850.444.6573 if you have any questions or need any additional information.

Sincerely,

James O. Vick
Environmental Affairs

RECEIVED

MAY 11 2015

Industrial Wastewater
Section

cc: Kim Allen, FDEP Pensacola
Mike Markey, Gulf Power
Alan McLane, Gulf Power Plant Scholz
Roger Danley, Gulf Power Plant Scholz

Plant Scholz
NPDES Permit #FL0002283
Issuance Date: September 23, 2010
Expiration Date: September 22, 2015
RAI #1 Response

On April 15, 2015, Gulf Power received Request for Additional Information (RAI) No. 1 regarding the recently submitted NPDES permit renewal application. A copy of the RAI is included as Attachment 1 to this submittal. The following items serve as responses to the Department's concerns.

Item 1:

Please describe current and projected operations for the upcoming permit cycle at the facility in terms of power generation, maintenance activities, withdrawal of intake water whether for cooling or maintenance, and discharges from the ash pond and to the river via Outfalls I-012 and D-001, respectively.

Response 1:

Plant Scholz ceased coal-fired operations on April 15, 2015. During the next permit cycle, Plant Scholz will not generate electricity, but will maintain use of one circulating water pump of its once-through cooling water system as it supplies water for flow augmentation of the ash pond discharge and maintenance activities including screen wash water, air compressor after coolers, service water bearing coolers, and other equipment which run regardless of a unit being online. The ash pond will continue to discharge from Outfall I-012 and thence D-001, as the pond is part of the treatment system for portions of the above flows, industrial stormwater, and discharge from the on-site domestic wastewater treatment plant.

Item 2:

Please resubmit the flow diagrams to include all flows between operations and treatment units in terms of average flows and if providing maximum flows distinguish between average and maximum. Please see Part IV instructions for detailed requirements.

Response 2:

Updated flow diagrams have been prepared and are attached in Attachment 2.

Item 3:

Please provide laboratory reports for Outfall D-001 effluent characterization.

Response 3:

The requested laboratory reports are included as Attachment 3.

Item 4:

Per the instruction item VILA. (Reporting), if "only one daily value was measured, complete only "Max. Daily Values" columns and insert "1" into the "Number of Analyses" column" for Parts A, B, and C of Section VII. The long term average values were reported rather than the maximum daily values in which the majority of the analyses were based on one value. Please clarify and resubmit the effluent characterization for Outfall D-001.

Response 4:

Updated Form 2CS pages are supplied in Attachment 4 with the necessary corrections.

Item 5:

Please complete Parts VII.A.1.i and j.

Response 5:

Updated Form 2CS pages are supplied in Attachment 4 with the necessary corrections and additions.

Item 6:

Part VII.C.1.4V. (Bis (Chloromethyl) Ether). Item VII.C instructions (Analysis) states, "You must use test methods promulgated in 40 CFR Part 136 or Chapter 160, Florida Administrative Code; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge if you submit a description of the method or a reference to a published method." Please report the analytical result and analytical method used along with the method detection limit and practical quantitation limit for that method.

Response 6:

Updated Form 2CS pages are supplied in Attachment 4 with the necessary corrections and additions.

Item 7:

Please provide the hardness value and calculated hardness based limit for cadmium, chromium, copper, lead, nickel, and zinc for Part VII.C.1 parameters 4M, 5M, 6M, 7M, 9M, and 13M.

Response 7:

Table 1, below, shows the hardness and hardness based limits for the above requested parameters.

Table 1. Item 7 Hardness Data

Plant Scholz RAI#1 D-001 Hardness Limits	
Parameter	Hardness Based Limit (ug/L)
cadmium	0.16
chromium	46.84
copper	4.94
lead	1.23
nickel	27.79
zinc	63.76
Hardness: 47.5 mg/L as CaCO ₃	

Item 8:

Please complete Section VII.D per the completeness instructions. Enter "NA" if the item is not applicable.

Response 8:

Updated Form 2CS pages are supplied in Attachment 4 with the necessary corrections and additions.

Item 9:

Please submit the effluent characterization, Part VII.A-D, for internal Outfall I-012, and include the items requested in No. 7 above.

Response 9:

Updated Form 2CS pages are supplied in Attachment 4 with the necessary corrections and additions. Table 2, below, shows the hardness and hardness based limits for the above requests parameters.

Table 2. Item 9 Hardness Data

Plant Scholz RAI#1 I-012 Hardness Limits	
Parameter	Hardness Based Limit (ug/L)
cadmium	0.54
chromium	186.7
copper	20.9
lead	10.58
nickel	115.92
zinc	266.6
Hardness: 257 mg/L as CaCO ₃	

Item 10:

Per the instruction item V.A. (Reporting), if "only one daily value was measured, complete only "Max. Daily Values" columns and insert "1" into the "Number of Analyses" column" for Parts A, B, and C of Section V. The long term average values were reported rather than the maximum daily values in which the majority of the analyses were based on one value. Please clarify and resubmit the effluent characterization for internal Outfall I-012.

Response 10:

Updated Form 2CG pages are supplied in Attachment 5 with the necessary corrections and additions.

Item 11:

Please complete Parts V .A.1 .h - m.

Response 11:

Updated Form 2CG pages are supplied in Attachment 5 with the necessary corrections and additions.

Item 12:

Part V.C.1.4V. (Bis (Chloromethyl) Ether). Item V.C instructions (Analysis) states, "You must use test methods promulgated in 40 CFR Part 136 or Chapter 160, Florida Administrative Code: however, if none has been promulgated for a particular pollutant you may use any suitable method for measuring the level of the pollutant in your discharge if you submit a description of the method or a reference to a publish method." Please report the analytical result and analytical method used along with the method detection limit and practical quantitation limit for that method.

Response 12:

Updated Form 2CG pages are supplied in Attachment 5 with the necessary corrections and additions.

Item 13:

Please provide the hardness value and calculated hardness based limit for cadmium, chromium, copper, lead, nickel, and zinc for Part V.C.1 parameters 4M, 5M, 6M, 7M, 9M, and 13M.

Response 13:

Table 2, below, shows the hardness and hardness based limits for the above requests parameters.

Table 3. Item 13 Hardness Data	
Plant Scholz RAI#1 2CG Hardness Limits	
Parameter	Hardness Based Limit (ug/L)
cadmium	0.54
chromium	186.7
copper	20.9
lead	10.58
nickel	115.92
zinc	266.6
Hardness: 257 mg/L as CaCO ₃	

Item 14:

Please confirm whether high-level or low-level disinfection is performed.

Response 14:

Basic disinfection is performed at Plant Scholz. Updated Form 2A pages are included in Attachment 6.

Item 15:

Section 3.B, item 9 on page 2A-19, "Additional Information Required for Reuse Systems Permitted under Part III of Chapter 62-610, F.A.C." This section (both 9.b. and 9.c.) should be blank if the facility does not produce public access reuse effluent. Please confirm that the facility will produce public access reuse effluent.

Response 15:

Plant Scholz does not produce public access reuse water. Updated Form 2A pages are included in Attachment 6.

Item 16:

Please update the Operation and Maintenance Performance Report, figure 2 process flow diagram on page 4. The residuals to land disposal flow should be either to a wastewater treatment facility or a Class I landfill.

Response 16:

Updated OMPR pages are included in Attachment 6.

Item 17:

Please clarify in the Operation and Maintenance Performance Report. Section 2. table 2 on page 6 whether the flowmeter criteria 4 should be "yes" rather than "no".

Response 17:

The flowmeter criteria 4 has been updated to “yes.” Updated OMPR pages are included in Attachment 6.

Attachment 1



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

BOB MARTINEZ CENTER
2600 BLAIRSTONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

JONATHAN P. STEVERSON
SECRETARY

April 15, 2015

SENT BY EMAIL TO:
(jovick@southernco.com)

Mr. James O. Vick
Environmental Affairs
Gulf Power Company (GPC)
One Energy Place
Pensacola, Florida 32520-0328

Re: Gulf Power Company (GPC)
Scholz Electric Generating Plant
NPDES Permit No. FL0002283
Permit Renewal Application
Request for Additional Information (RAI) No. 1

Dear Mr. Vick,

On March 20, 2015, the Florida Department of Environmental Protection (Department) received your wastewater discharge permit renewal application for the above referenced permit. After review, the Department has determined that the application is incomplete and additional information will be required pursuant to Rules 62-620.410(1) and 62-620.510(1), Florida Administrative Code, before your application can be further processed. Attachment 1 describes the additional information needed to further process your application.

Please provide, within 30 days from receipt of this letter, three hardcopies, or one hardcopy and an electronic copy, of the requested information to the Industrial Wastewater Program in Tallahassee (epost.bwfrw@dep.state.fl.us) and one copy to the Department's Northwest District Office in Pensacola. If you have any questions concerning our comments, please contact Frank Wall or me at (850) 245-8589.

Sincerely,

Marc Harris, P.E.
Environmental Administrator
Power Plant NPDES Permitting
Industrial Wastewater Program

MH/fw

Attachment

cc: Robert Jernigan, GPC (rjernig@southernco.com)
Mike Markey, P.G., GPC (rmmarkey@southernco.com)
Bill Evans, P.E., DEP Pensacola (bill.evans@dep.state.fl.us)
Kim Allen, DEP Pensacola (kim.allen@dep.state.fl.us)

Attachment 1

1. Please describe current and projected operations for the upcoming permit cycle at the facility in terms of power generation, maintenance activities, withdrawal of intake water whether for cooling or maintenance, and discharges from the ash pond and to the river via Outfalls I-012 and D-001, respectively.

Form 2CS:

2. Please resubmit the flow diagrams to include all flows between operations and treatment units in terms of average flows and if providing maximum flows distinguish between average and maximum. Please see Part IV instructions for detailed requirements.
3. Please provide laboratory reports for Outfall D-001 effluent characterization.
4. Per the instruction item VII.A. (Reporting), if "only one daily value was measured, complete only "Max. Daily Values" columns and insert "1" into the "Number of Analyses" column" for Parts A, B, and C of Section VII. The long term average values were reported rather than the maximum daily values in which the majority of the analyses were based on one value. Please clarify and resubmit the effluent characterization for Outfall D-001.
5. Please complete Parts VII.A.1.i and j.
6. Part VII.C.1.4V. (Bis (Chloromethyl) Ether). Item VII.C instructions (Analysis) states, "You must use test methods promulgated in 40 CFR Part 136 or Chapter 160, Florida Administrative Code; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge if you submit a description of the method or a reference to a publish method." Please report the analytical result and analytical method used along with the method detection limit and practical quantitation limit for that method.
7. Please provide the hardness value and calculated hardness based limit for cadmium, chromium, copper, lead, nickel, and zinc for Part VII.C.1 parameters 4M, 5M, 6M, 7M, 9M, and 13M.
8. Please complete Section VII.D per the completeness instructions. Enter "NA" if the item is not applicable.
9. Please submit the effluent characterization, Part VII.A-D, for internal Outfall I-012, and include the items requested in No. 7 above.

Form 2CG:

10. Per the instruction item V.A. (Reporting), if "only one daily value was measured, complete only "Max. Daily Values" columns and insert "1" into the "Number of Analyses" column" for Parts A, B, and C of Section V. The long term average values were reported rather than the maximum daily values in which the majority of the analyses were based on one value. Please clarify and resubmit the effluent characterization for internal Outfall I-012.
11. Please complete Parts V.A.1.h - m.
12. Part V.C.1.4V. (Bis (Chloromethyl) Ether). Item V.C instructions (Analysis) states, "You must use test methods promulgated in 40 CFR Part 136 or Chapter 160, Florida Administrative Code; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge if you submit a description of the method or a reference to a publish method." Please report the analytical result and analytical method used along with the method detection limit and practical quantitation limit for that method.
13. Please provide the hardness value and calculated hardness based limit for cadmium, chromium, copper, lead, nickel, and zinc for Part V.C.1 parameters 4M, 5M, 6M, 7M, 9M, and 13M.

Form 2A:

14. Please confirm whether high-level or low-level disinfection is performed.

Gulf Power Company
Scholz Electric Generating Plant
April 15, 2015

RFI No. 1
NPDES Permit No. FL0002283

15. Section 3.B, item 9 on page 2A-19, "Additional Information Required for Reuse Systems Permitted under Part III of Chapter 62-610, F.A.C." This section (both 9.b. and 9.c.) should be blank if the facility does not produce public access reuse effluent. Please confirm that the facility will produce public access reuse effluent.
16. Please update the Operation and Maintenance Performance Report, figure 2 process flow diagram on page 4. The residuals to land disposal flow should be either to a wastewater treatment facility or a Class 1 landfill.
17. Please clarify in the Operation and Maintenance Performance Report, Section 2, table 2 on page 6 whether the flow meter criteria 4 should be "yes" rather than "no".

Attachment 2

FIGURE 1. PLANT SCHOLZ SCHEMATIC CLEAR WATER FLOW DIAGRAM

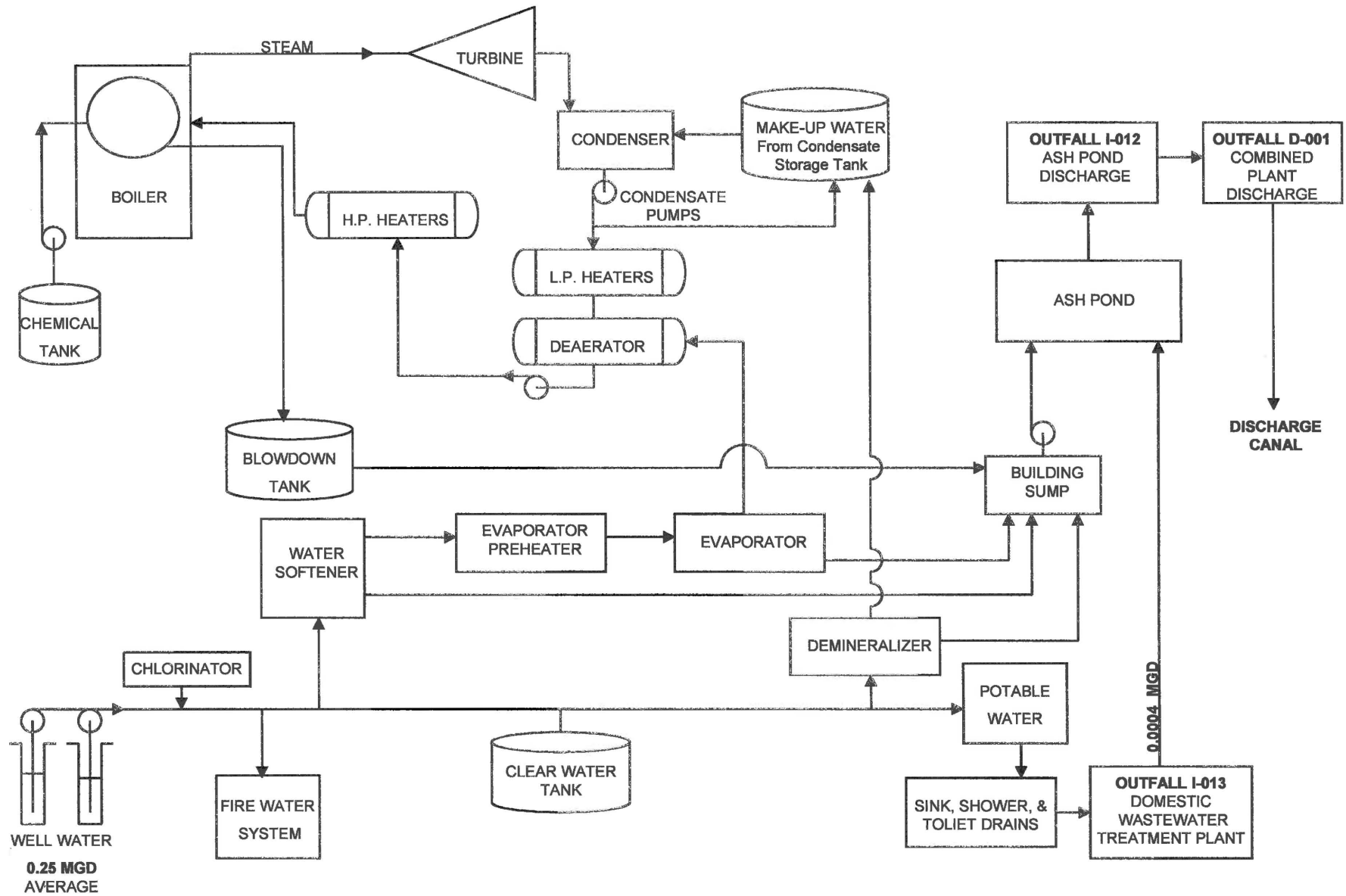
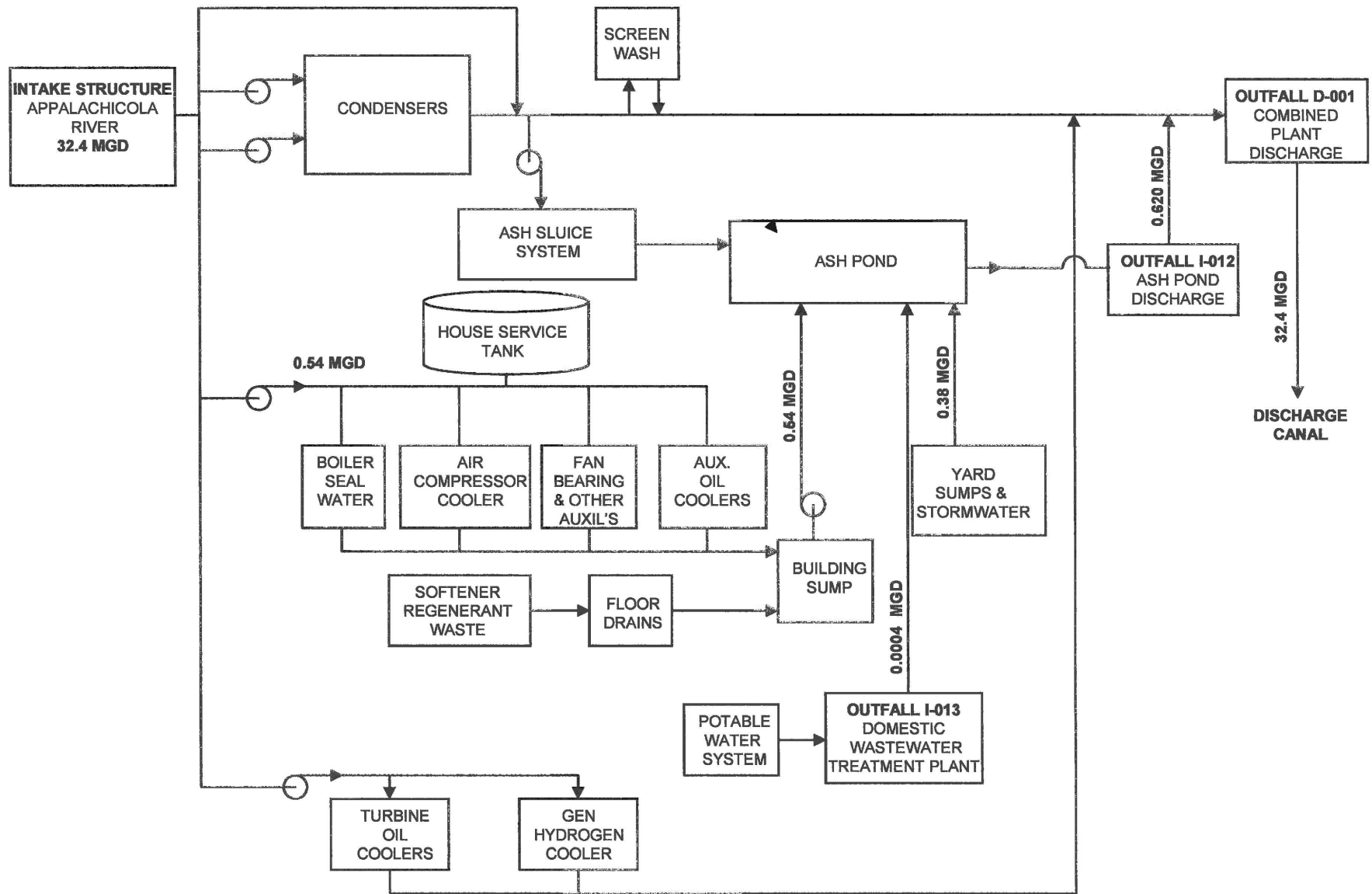


FIGURE 2. PLANT SCHOLZ RIVER WATER FLOW DIAGRAM



Attachment 3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-99493-1

TestAmerica Sample Delivery Group: Plant Scholz

Client Project/Site: Form 2C

For:

Gulf Power Company

BIN 731

One Energy Place

Pensacola, Florida 32520

Attn: Brandon L Smith



Authorized for release by:

12/29/2014 5:05:30 PM

Cheyenne Whitmire, Project Manager II

(850)474-1001

cheyenne.whitmire@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Job ID: 400-99493-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-99493-1

GC Semi VOA

Method(s) 608: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 240154 recovered outside control limits for the following analytes: PCB-1260. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

General Chemistry

Method(s) SM 2540D: The sample duplicate precision for the following sample associated with batch 239619 was outside control limits. Results are more than 5x the reporting limit. Non-homogeneity of the sample matrix is suspected.

Method(s) 365.4: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 240118 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 351.2: The matrix spike (MS) recoveries for batch 240211 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 4500 CN E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 240453 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 4500 NH3 H: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 240408 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 4500 NH3 H: The following samples showed a negative result greater than the reporting limit: D001 COMPOSITE (400-99493-4), EQ GRAB (400-99493-7), I012 COMPOSITE (400-99493-2), INTAKE COMPOSITE (400-99493-6). These samples were re-analyzed with a dilution and were non-detect, therefore the original result is reported.

Method(s) SM 4500 SO4 E: The matrix spike (MS) and the matrix spike duplicate (MSD) recovery for batch 240715 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) SM 5540C: The following sample was received with less than 1 day remaining on the holding time. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: EQ GRAB (400-99493-7).

Method(s) 9056A: A CAL 1 (Low Level LCS) was used in place of a designated instrument "blank" in analytical batch 680-363654 due to analyst error. The QC was rejected and treated like an injection and the set was re-capped with a new CCV and CCB. Eleven injections lay between the LLCS and new CCV/CCB. The 11th injection, sample 400-99493-V-7 was rejected and rerun in a later batch within a set of 10 injections. The data have been qualified and reported.

Method(s) SM 4500 SO3 B: The following samples were received outside of holding time: D001 COMPOSITE (400-99493-4), EQ GRAB (400-99493-7), I012 COMPOSITE (400-99493-2), INTAKE COMPOSITE (400-99493-6).

Organic Prep

Method(s) 608: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 240154.

Method Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL PEN
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL PEN
608	Organochlorine Pesticides/PCBs in Water	40CFR136A	TAL PEN
9056A	Anions, Ion Chromatography	SW846	TAL SAV
1631E	Mercury, Low Level (CVAFS)	EPA	TAL PEN
200.7 Rev 4.4	Metals (ICP)	EPA	TAL PEN
200.8	Metals (ICP/MS)	EPA	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL PEN
1664A	HEM and SGT-HEM	1664A	TAL PEN
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL PEN
365.4	Phosphorus, Total	EPA	TAL PEN
420.1	Phenolics, Total Recoverable	MCAWW	TAL PEN
4500 NH3 H	Ammonia	SM	TAL PEN
Nitrogen,Org	Nitrogen, Organic	EPA	TAL PEN
SM 2120B	Color, Colorimetric	SM	TAL PEN
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL PEN
SM 4500 CN E	Cyanide, Total	SM	TAL PEN
SM 4500 F C	Fluoride	SM	TAL PEN
SM 4500 NO3 F	Nitrogen, Nitrate	SM	TAL PEN
SM 4500 S2 F	Sulfide, Total	SM	TAL SAV
SM 4500 SO3 B	Sulfite	SM	TAL SAV
SM 4500 SO4 E	Sulfate, Total	SM	TAL PEN
SM 5210B	BOD, 5-Day	SM	TAL PEN
SM 5220D	COD	SM	TAL PEN
SM 5310B	Organic Carbon, Total (TOC)	SM	TAL PEN
SM 5540C	Methylene Blue Active Substances (MBAS)	SM	TAL SAV
Total Nitrogen	Nitrogen, Total	EPA	TAL PEN
SM 9222D	Coliforms, Fecal (Membrane Filter)	SM	TAL PEN
Gross Alpha, Beta, Total Radium, Rad 226	General Sub Contract Method	NONE	SC0009

Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

NONE = NONE

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.

Laboratory References:

SC0009 = KNL Laboratory Services, 3202 North Florida Avenue, Tampa, FL 33603, TEL (813)229-2879

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Pensacola

Sample Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-99493-1	I012 GRAB	Water	12/10/14 11:17	12/10/14 15:55
400-99493-2	I012 COMPOSITE	Water	12/10/14 11:30	12/10/14 15:55
400-99493-3	D001 GRAB	Water	12/10/14 13:54	12/10/14 15:55
400-99493-4	D001 COMPOSITE	Water	12/10/14 11:30	12/10/14 15:55
400-99493-5	INTAKE GRAB	Water	12/10/14 12:15	12/10/14 15:55
400-99493-6	INTAKE COMPOSITE	Water	12/10/14 11:30	12/10/14 15:55
400-99493-7	EQ GRAB	Water	12/09/14 10:30	12/10/14 15:55
400-99493-8	I012 FIELD BLANK	Water	12/10/14 00:00	12/10/14 15:55
400-99493-9	D001 FIELD BLANK	Water	12/10/14 00:00	12/10/14 15:55
400-99493-10	INTAKE FIELD BLANK	Water	12/10/14 00:00	12/10/14 15:55

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: I012 GRAB

Lab Sample ID: 400-99493-1

Date Collected: 12/10/14 11:17

Matrix: Water

Date Received: 12/10/14 15:55

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Mercury	0.000364	I	0.000500	0.000200	ug/L		12/11/14 10:30	12/15/14 09:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
HEM (Oil & Grease)	4.32	I	4.94	2.72	mg/L		12/17/14 07:24	12/17/14 12:32	1
Phenols, Total	0.00450	U	0.0100	0.00450	mg/L		12/17/14 10:50	12/17/14 13:20	1
Cyanide, Total	0.00500	U	0.00500	0.00500	mg/L		12/17/14 09:45	12/17/14 14:25	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Coliform, Fecal	34.0		1.00	1.00	CFU/100mL			12/10/14 17:56	1

Client Sample ID: I012 COMPOSITE

Lab Sample ID: 400-99493-2

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Acrolein	10.0	U	20.0	10.0	ug/L			12/13/14 01:48	1
Acrylonitrile	2.80	U	10.0	2.80	ug/L			12/13/14 01:48	1
Benzene	0.380	U	1.00	0.380	ug/L			12/13/14 01:48	1
Dichlorobromomethane	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Bromoform	0.710	U	5.00	0.710	ug/L			12/13/14 01:48	1
Carbon tetrachloride	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Chlorobenzene	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Chlorodibromomethane	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Chloroethane	0.760	U	1.00	0.760	ug/L			12/13/14 01:48	1
2-Chloroethyl vinyl ether	2.00	U	5.00	2.00	ug/L			12/13/14 01:48	1
Chloroform	0.600	U	1.00	0.600	ug/L			12/13/14 01:48	1
1,1-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Dichlorodifluoromethane	0.850	U	1.00	0.850	ug/L			12/13/14 01:48	1
1,1-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
1,2-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
1,2-Dichloropropane	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
1,3-Dichloropropylene	1.00	U	2.00	1.00	ug/L			12/13/14 01:48	1
Ethylbenzene	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Methyl bromide	0.980	U	1.00	0.980	ug/L			12/13/14 01:48	1
Methyl chloride	0.830	U	1.00	0.830	ug/L			12/13/14 01:48	1
Methylene Chloride	3.00	U	5.00	3.00	ug/L			12/13/14 01:48	1
1,1,2,2-Tetrachloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Tetrachloroethylene	0.580	U	1.00	0.580	ug/L			12/13/14 01:48	1
Toluene	0.700	U	1.00	0.700	ug/L			12/13/14 01:48	1
1,2-trans-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
1,1,1-Trichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
1,1,2-Trichloroethane	0.500	U	5.00	0.500	ug/L			12/13/14 01:48	1
Trichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1
Trichlorofluoromethane	0.520	U	1.00	0.520	ug/L			12/13/14 01:48	1
Vinyl chloride	0.500	U	1.00	0.500	ug/L			12/13/14 01:48	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: I012 COMPOSITE

Lab Sample ID: 400-99493-2

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.00	U	ug/L			542-88-1		12/13/14 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		78 - 118					12/13/14 01:48	1
Dibromofluoromethane	99		81 - 121					12/13/14 01:48	1
Toluene-d8 (Surr)	96		80 - 120					12/13/14 01:48	1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.505	U	9.52	0.505	ug/L		12/12/14 14:39	12/15/14 18:50	1
1,2-Dichlorobenzene	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 18:50	1
1,3-Dichlorobenzene	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 18:50	1
1,4-Dichlorobenzene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 18:50	1
2,4,6-Trichlorophenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 18:50	1
2,4-Dichlorophenol	2.86	U	9.52	2.86	ug/L		12/12/14 14:39	12/15/14 18:50	1
2,4-Dimethylphenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 18:50	1
2,4-Dinitrophenol	3.24	U	28.6	3.24	ug/L		12/12/14 14:39	12/15/14 18:50	1
2,4-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 18:50	1
2,6-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 18:50	1
2-Chloronaphthalene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 18:50	1
2-Chlorophenol	2.10	U	9.52	2.10	ug/L		12/12/14 14:39	12/15/14 18:50	1
2-Nitrophenol	0.619	U	9.52	0.619	ug/L		12/12/14 14:39	12/15/14 18:50	1
3,3'-Dichlorobenzidine	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 18:50	1
4,6-Dinitro-o-cresol	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 18:50	1
4-Bromophenyl phenyl ether	0.305	U	9.52	0.305	ug/L		12/12/14 14:39	12/15/14 18:50	1
4-Chlorophenyl phenyl ether	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 18:50	1
4-Nitrophenol	2.00	U	9.52	2.00	ug/L		12/12/14 14:39	12/15/14 18:50	1
Acenaphthene	0.438	U	9.52	0.438	ug/L		12/12/14 14:39	12/15/14 18:50	1
Acenaphthylene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 18:50	1
Anthracene	0.400	U	9.52	0.400	ug/L		12/12/14 14:39	12/15/14 18:50	1
Benzidine	19.0	U	23.8	19.0	ug/L		12/12/14 14:39	12/15/14 18:50	1
Benzo[a]anthracene	0.324	U	9.52	0.324	ug/L		12/12/14 14:39	12/15/14 18:50	1
Benzo[a]pyrene	0.410	U	9.52	0.410	ug/L		12/12/14 14:39	12/15/14 18:50	1
3,4-Benzofluoranthene	0.362	U	9.52	0.362	ug/L		12/12/14 14:39	12/15/14 18:50	1
Benzo[g,h,i]perylene	1.01	U	9.52	1.01	ug/L		12/12/14 14:39	12/15/14 18:50	1
Benzo[k]fluoranthene	0.514	U	9.52	0.514	ug/L		12/12/14 14:39	12/15/14 18:50	1
bis (2-chloroisopropyl) ether	0.771	U	9.52	0.771	ug/L		12/12/14 14:39	12/15/14 18:50	1
Bis(2-chloroethoxy)methane	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 18:50	1
Bis(2-chloroethyl)ether	0.705	U	9.52	0.705	ug/L		12/12/14 14:39	12/15/14 18:50	1
Bis(2-ethylhexyl) phthalate	2.15	U	9.52	2.15	ug/L		12/12/14 14:39	12/15/14 18:50	1
Butyl benzyl phthalate	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 18:50	1
Chrysene	0.467	U	9.52	0.467	ug/L		12/12/14 14:39	12/15/14 18:50	1
Dibenz(a,h)anthracene	1.11	U	9.52	1.11	ug/L		12/12/14 14:39	12/15/14 18:50	1
Diethyl phthalate	0.667	U	9.52	0.667	ug/L		12/12/14 14:39	12/15/14 18:50	1
Dimethyl phthalate	0.571	U	9.52	0.571	ug/L		12/12/14 14:39	12/15/14 18:50	1
Di-n-butyl phthalate	2.57	U	9.52	2.57	ug/L		12/12/14 14:39	12/15/14 18:50	1
Di-n-octyl phthalate	0.419	U	9.52	0.419	ug/L		12/12/14 14:39	12/15/14 18:50	1
Fluoranthene	0.733	U	9.52	0.733	ug/L		12/12/14 14:39	12/15/14 18:50	1
Fluorene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 18:50	1
Hexachlorobenzene	0.238	U	9.52	0.238	ug/L		12/12/14 14:39	12/15/14 18:50	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: I012 COMPOSITE

Lab Sample ID: 400-99493-2

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	3.43	U	9.52	3.43	ug/L		12/12/14 14:39	12/15/14 18:50	1
Hexachlorocyclopentadiene	2.48	U	19.0	2.48	ug/L		12/12/14 14:39	12/15/14 18:50	1
Hexachloroethane	4.00	U	9.52	4.00	ug/L		12/12/14 14:39	12/15/14 18:50	1
Indeno[1,2,3-cd]pyrene	0.971	U	9.52	0.971	ug/L		12/12/14 14:39	12/15/14 18:50	1
Isophorone	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 18:50	1
Naphthalene	0.600	U	9.52	0.600	ug/L		12/12/14 14:39	12/15/14 18:50	1
Nitrobenzene	0.524	U	9.52	0.524	ug/L		12/12/14 14:39	12/15/14 18:50	1
N-Nitrosodimethylamine	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 18:50	1
N-Nitrosodi-n-propylamine	3.14	U	9.52	3.14	ug/L		12/12/14 14:39	12/15/14 18:50	1
N-Nitrosodiphenylamine	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 18:50	1
p-Chloro-m-cresol	3.62	U	9.52	3.62	ug/L		12/12/14 14:39	12/15/14 18:50	1
Pentachlorophenol	1.72	U	19.0	1.72	ug/L		12/12/14 14:39	12/15/14 18:50	1
Phenanthrene	0.390	U	9.52	0.390	ug/L		12/12/14 14:39	12/15/14 18:50	1
Phenol	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 18:50	1
Pyrene	1.04	U	9.52	1.04	ug/L		12/12/14 14:39	12/15/14 18:50	1
1,2-Diphenylhydrazine (as Azobenzene)	0.952	U	9.52	0.952	ug/L		12/12/14 14:39	12/15/14 18:50	1

Method: 608 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 17:36	1
alpha-BHC	0.00360	U	0.0500	0.00360	ug/L		12/16/14 08:43	12/17/14 17:36	1
beta-BHC	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 17:36	1
delta-BHC	0.00270	U	0.0500	0.00270	ug/L		12/16/14 08:43	12/17/14 17:36	1
gamma-BHC (Lindane)	0.0250	U	0.0500	0.0250	ug/L		12/16/14 08:43	12/17/14 17:36	1
Chlordane (technical)	0.130	U	0.500	0.130	ug/L		12/16/14 08:43	12/17/14 17:36	1
4,4'-DDD	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 17:36	1
4,4'-DDE	0.00400	U	0.0500	0.00400	ug/L		12/16/14 08:43	12/17/14 17:36	1
4,4'-DDT	0.00390	U	0.0500	0.00390	ug/L		12/16/14 08:43	12/17/14 17:36	1
Dieldrin	0.00590	U	0.0500	0.00590	ug/L		12/16/14 08:43	12/17/14 17:36	1
alpha-Endosulfan	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 17:36	1
beta-Endosulfan	0.00740	U	0.0500	0.00740	ug/L		12/16/14 08:43	12/17/14 17:36	1
Endosulfan sulfate	0.00210	U	0.0500	0.00210	ug/L		12/16/14 08:43	12/17/14 17:36	1
Endrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 17:36	1
Endrin aldehyde	0.00280	U	0.0500	0.00280	ug/L		12/16/14 08:43	12/17/14 17:36	1
Heptachlor	0.00310	U	0.0500	0.00310	ug/L		12/16/14 08:43	12/17/14 17:36	1
Heptachlor epoxide	0.00320	U	0.0500	0.00320	ug/L		12/16/14 08:43	12/17/14 17:36	1
PCB-1016	0.0480	U	0.500	0.0480	ug/L		12/16/14 08:43	12/17/14 18:30	1
PCB-1221	0.220	U	0.500	0.220	ug/L		12/16/14 08:43	12/17/14 18:30	1
PCB-1232	0.410	U	0.500	0.410	ug/L		12/16/14 08:43	12/17/14 18:30	1
PCB-1242	0.180	U	0.500	0.180	ug/L		12/16/14 08:43	12/17/14 18:30	1
PCB-1248	0.0200	U	0.500	0.0200	ug/L		12/16/14 08:43	12/17/14 18:30	1
PCB-1254	0.310	U	0.500	0.310	ug/L		12/16/14 08:43	12/17/14 18:30	1
PCB-1260	0.0340	U J3	0.500	0.0340	ug/L		12/16/14 08:43	12/17/14 18:30	1
Toxaphene	0.400	U	3.00	0.400	ug/L		12/16/14 08:43	12/17/14 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	15		10 - 130	12/16/14 08:43	12/17/14 17:36	1
Tetrachloro-m-xylene	79		43 - 130	12/16/14 08:43	12/17/14 17:36	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: I012 COMPOSITE

Lab Sample ID: 400-99493-2

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 9056A - Anions, Ion Chromatography									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.210	I	0.500	0.200	mg/L			12/17/14 13:12	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0400	U	0.100	0.0400	mg/L		12/12/14 11:47	12/17/14 20:01	1
Arsenic	0.133		0.00500	0.00400	mg/L		12/12/14 11:47	12/17/14 20:01	1
Barium	0.208		0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:01	1
Beryllium	0.00100	U	0.00300	0.00100	mg/L		12/12/14 11:47	12/17/14 20:01	1
Boron	1.26		0.100	0.0150	mg/L		12/12/14 11:47	12/17/14 20:01	1
Cadmium	0.00100	U	0.00500	0.00100	mg/L		12/12/14 11:47	12/17/14 20:01	1
Chromium	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:01	1
Cobalt	0.00300	U	0.0100	0.00300	mg/L		12/12/14 11:47	12/17/14 20:01	1
Iron	0.539		0.100	0.0500	mg/L		12/12/14 11:47	12/17/14 20:01	1
Lead	0.00504		0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:01	1
Magnesium	11.8		0.500	0.0300	mg/L		12/12/14 11:47	12/17/14 20:01	1
Manganese	0.444		0.0100	0.00100	mg/L		12/12/14 11:47	12/17/14 20:01	1
Molybdenum	0.0449		0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:01	1
Nickel	0.00300	U	0.00500	0.00300	mg/L		12/12/14 11:47	12/17/14 20:01	1
Selenium	0.00878	I	0.0100	0.00400	mg/L		12/12/14 11:47	12/17/14 20:01	1
Silver	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:01	1
Tin	0.00500	U	0.0100	0.00500	mg/L		12/12/14 11:47	12/17/14 20:01	1
Titanium	0.00150	U	0.00500	0.00150	mg/L		12/12/14 11:47	12/17/14 20:01	1
Zinc	0.00800	U	0.0200	0.00800	mg/L		12/12/14 11:47	12/17/14 20:01	1

Method: 200.8 - Metals (ICP/MS) - Total Recoverable									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00230	U	0.00500	0.00230	mg/L		12/16/14 08:30	12/17/14 19:45	1
Thallium	0.000500	U	0.00100	0.000500	mg/L		12/16/14 08:30	12/17/14 19:45	1

Method: 245.1 - Mercury (CVAA)									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000700	U	0.000200	0.0000700	mg/L		12/11/14 10:10	12/12/14 14:56	1

General Chemistry									
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	0.260	U	0.500	0.260	mg/L		12/12/14 09:06	12/16/14 12:25	1
Phosphorus, Total	0.125		0.100	0.0300	mg/L		12/12/14 09:08	12/15/14 15:57	1
Ammonia	0.0160	U	0.0500	0.0160	mg/L			12/17/14 13:47	1
Nitrogen, Organic	0.260	U	0.500	0.260	mg/L			12/18/14 09:47	1
Color	8.50		5.00	1.50	Color Units			12/11/14 08:00	1
Total Suspended Solids	3.20	U	5.00	3.20	mg/L			12/11/14 16:25	1
Fluoride	0.300		0.100	0.0240	mg/L			12/11/14 12:05	1
Nitrate Nitrite as N	0.0180	U	0.0500	0.0180	mg/L			12/16/14 18:12	1
Sulfide	1.00	U	1.00	1.00	mg/L			12/11/14 12:29	1
Sulfide as H2S	1.10	U	1.10	1.10	mg/L			12/11/14 12:29	1
Sulfite	5.00	U Q	5.00	5.00	mg/L			12/19/14 14:00	1
Sulfate, Dissolved	117		25.0	7.00	mg/L			12/19/14 12:35	5
Biochemical Oxygen Demand	2.00	U	2.00	2.00	mg/L			12/11/14 13:54	1
Chemical Oxygen Demand	6.40	U	10.0	6.40	mg/L			12/19/14 14:42	1
Total Organic Carbon	2.37		1.00	0.500	mg/L			12/12/14 15:21	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: I012 COMPOSITE

Lab Sample ID: 400-99493-2

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Blue Active Substances	0.120	U	0.200	0.120	mg/l LAS MW 340			12/11/14 13:04	1
Nitrogen, Total	0.260	U	0.500	0.260	mg/L			12/18/14 09:41	1

Client Sample ID: D001 GRAB

Lab Sample ID: 400-99493-3

Date Collected: 12/10/14 13:54

Matrix: Water

Date Received: 12/10/14 15:55

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000791		0.000500	0.000200	ug/L		12/11/14 10:30	12/15/14 10:04	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	2.44	U	4.44	2.44	mg/L		12/18/14 07:57	12/18/14 13:11	1
Phenols, Total	0.00523	I	0.0100	0.00450	mg/L		12/17/14 10:50	12/17/14 13:20	1
Cyanide, Total	0.00500	U	0.00500	0.00500	mg/L		12/17/14 09:45	12/17/14 14:19	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	4.00		1.00	1.00	CFU/100mL			12/10/14 17:56	1

Client Sample ID: D001 COMPOSITE

Lab Sample ID: 400-99493-4

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10.0	U	20.0	10.0	ug/L			12/13/14 02:14	1
Acrylonitrile	2.80	U	10.0	2.80	ug/L			12/13/14 02:14	1
Benzene	0.380	U	1.00	0.380	ug/L			12/13/14 02:14	1
Dichlorobromomethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Bromoform	0.710	U	5.00	0.710	ug/L			12/13/14 02:14	1
Carbon tetrachloride	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Chlorobenzene	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Chlorodibromomethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Chloroethane	0.760	U	1.00	0.760	ug/L			12/13/14 02:14	1
2-Chloroethyl vinyl ether	2.00	U	5.00	2.00	ug/L			12/13/14 02:14	1
Chloroform	0.600	U	1.00	0.600	ug/L			12/13/14 02:14	1
1,1-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Dichlorodifluoromethane	0.850	U	1.00	0.850	ug/L			12/13/14 02:14	1
1,1-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
1,2-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
1,2-Dichloropropane	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
1,3-Dichloropropylene	1.00	U	2.00	1.00	ug/L			12/13/14 02:14	1
Ethylbenzene	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Methyl bromide	0.980	U	1.00	0.980	ug/L			12/13/14 02:14	1
Methyl chloride	0.830	U	1.00	0.830	ug/L			12/13/14 02:14	1
Methylene Chloride	3.00	U	5.00	3.00	ug/L			12/13/14 02:14	1
1,1,2,2-Tetrachloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Tetrachloroethylene	0.580	U	1.00	0.580	ug/L			12/13/14 02:14	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: D001 COMPOSITE

Lab Sample ID: 400-99493-4

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.700	U	1.00	0.700	ug/L			12/13/14 02:14	1
1,2-trans-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
1,1,1-Trichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
1,1,2-Trichloroethane	0.500	U	5.00	0.500	ug/L			12/13/14 02:14	1
Trichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1
Trichlorofluoromethane	0.520	U	1.00	0.520	ug/L			12/13/14 02:14	1
Vinyl chloride	0.500	U	1.00	0.500	ug/L			12/13/14 02:14	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.00	U	ug/L			542-88-1		12/13/14 02:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		78 - 118		12/13/14 02:14	1
Dibromofluoromethane	99		81 - 121		12/13/14 02:14	1
Toluene-d8 (Surr)	96		80 - 120		12/13/14 02:14	1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.505	U	9.52	0.505	ug/L		12/12/14 14:39	12/15/14 19:29	1
1,2-Dichlorobenzene	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 19:29	1
1,3-Dichlorobenzene	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 19:29	1
1,4-Dichlorobenzene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 19:29	1
2,4,6-Trichlorophenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 19:29	1
2,4-Dichlorophenol	2.86	U	9.52	2.86	ug/L		12/12/14 14:39	12/15/14 19:29	1
2,4-Dimethylphenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 19:29	1
2,4-Dinitrophenol	3.24	U	28.6	3.24	ug/L		12/12/14 14:39	12/15/14 19:29	1
2,4-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 19:29	1
2,6-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 19:29	1
2-Chloronaphthalene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 19:29	1
2-Chlorophenol	2.10	U	9.52	2.10	ug/L		12/12/14 14:39	12/15/14 19:29	1
2-Nitrophenol	0.619	U	9.52	0.619	ug/L		12/12/14 14:39	12/15/14 19:29	1
3,3'-Dichlorobenzidine	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 19:29	1
4,6-Dinitro-o-cresol	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 19:29	1
4-Bromophenyl phenyl ether	0.305	U	9.52	0.305	ug/L		12/12/14 14:39	12/15/14 19:29	1
4-Chlorophenyl phenyl ether	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 19:29	1
4-Nitrophenol	2.00	U	9.52	2.00	ug/L		12/12/14 14:39	12/15/14 19:29	1
Acenaphthene	0.438	U	9.52	0.438	ug/L		12/12/14 14:39	12/15/14 19:29	1
Acenaphthylene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 19:29	1
Anthracene	0.400	U	9.52	0.400	ug/L		12/12/14 14:39	12/15/14 19:29	1
Benzidine	19.0	U	23.8	19.0	ug/L		12/12/14 14:39	12/15/14 19:29	1
Benzo[a]anthracene	0.324	U	9.52	0.324	ug/L		12/12/14 14:39	12/15/14 19:29	1
Benzo[a]pyrene	0.410	U	9.52	0.410	ug/L		12/12/14 14:39	12/15/14 19:29	1
3,4-Benzofluoranthene	0.362	U	9.52	0.362	ug/L		12/12/14 14:39	12/15/14 19:29	1
Benzo[g,h,i]perylene	1.01	U	9.52	1.01	ug/L		12/12/14 14:39	12/15/14 19:29	1
Benzo[k]fluoranthene	0.514	U	9.52	0.514	ug/L		12/12/14 14:39	12/15/14 19:29	1
bis (2-chloroisopropyl) ether	0.771	U	9.52	0.771	ug/L		12/12/14 14:39	12/15/14 19:29	1
Bis(2-chloroethoxy)methane	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 19:29	1
Bis(2-chloroethyl)ether	0.705	U	9.52	0.705	ug/L		12/12/14 14:39	12/15/14 19:29	1
Bis(2-ethylhexyl) phthalate	2.15	U	9.52	2.15	ug/L		12/12/14 14:39	12/15/14 19:29	1
Butyl benzyl phthalate	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 19:29	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: D001 COMPOSITE

Lab Sample ID: 400-99493-4

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	0.467	U	9.52	0.467	ug/L		12/12/14 14:39	12/15/14 19:29	1
Dibenz(a,h)anthracene	1.11	U	9.52	1.11	ug/L		12/12/14 14:39	12/15/14 19:29	1
Diethyl phthalate	0.667	U	9.52	0.667	ug/L		12/12/14 14:39	12/15/14 19:29	1
Dimethyl phthalate	0.571	U	9.52	0.571	ug/L		12/12/14 14:39	12/15/14 19:29	1
Di-n-butyl phthalate	2.57	U	9.52	2.57	ug/L		12/12/14 14:39	12/15/14 19:29	1
Di-n-octyl phthalate	0.419	U	9.52	0.419	ug/L		12/12/14 14:39	12/15/14 19:29	1
Fluoranthene	0.733	U	9.52	0.733	ug/L		12/12/14 14:39	12/15/14 19:29	1
Fluorene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 19:29	1
Hexachlorobenzene	0.238	U	9.52	0.238	ug/L		12/12/14 14:39	12/15/14 19:29	1
Hexachlorobutadiene	3.43	U	9.52	3.43	ug/L		12/12/14 14:39	12/15/14 19:29	1
Hexachlorocyclopentadiene	2.48	U	19.0	2.48	ug/L		12/12/14 14:39	12/15/14 19:29	1
Hexachloroethane	4.00	U	9.52	4.00	ug/L		12/12/14 14:39	12/15/14 19:29	1
Indeno[1,2,3-cd]pyrene	0.971	U	9.52	0.971	ug/L		12/12/14 14:39	12/15/14 19:29	1
Isophorone	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 19:29	1
Naphthalene	0.600	U	9.52	0.600	ug/L		12/12/14 14:39	12/15/14 19:29	1
Nitrobenzene	0.524	U	9.52	0.524	ug/L		12/12/14 14:39	12/15/14 19:29	1
N-Nitrosodimethylamine	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 19:29	1
N-Nitrosodi-n-propylamine	3.14	U	9.52	3.14	ug/L		12/12/14 14:39	12/15/14 19:29	1
N-Nitrosodiphenylamine	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 19:29	1
p-Chloro-m-cresol	3.62	U	9.52	3.62	ug/L		12/12/14 14:39	12/15/14 19:29	1
Pentachlorophenol	1.72	U	19.0	1.72	ug/L		12/12/14 14:39	12/15/14 19:29	1
Phenanthrene	0.390	U	9.52	0.390	ug/L		12/12/14 14:39	12/15/14 19:29	1
Phenol	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 19:29	1
Pyrene	1.04	U	9.52	1.04	ug/L		12/12/14 14:39	12/15/14 19:29	1
1,2-Diphenylhydrazine (as Azobenzene)	0.952	U	9.52	0.952	ug/L		12/12/14 14:39	12/15/14 19:29	1

Method: 608 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:08	1
alpha-BHC	0.00360	U	0.0500	0.00360	ug/L		12/16/14 08:43	12/17/14 18:08	1
beta-BHC	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:08	1
delta-BHC	0.00270	U	0.0500	0.00270	ug/L		12/16/14 08:43	12/17/14 18:08	1
gamma-BHC (Lindane)	0.0250	U	0.0500	0.0250	ug/L		12/16/14 08:43	12/17/14 18:08	1
Chlordane (technical)	0.130	U	0.500	0.130	ug/L		12/16/14 08:43	12/17/14 18:08	1
4,4'-DDD	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:08	1
4,4'-DDE	0.00400	U	0.0500	0.00400	ug/L		12/16/14 08:43	12/17/14 18:08	1
4,4'-DDT	0.00390	U	0.0500	0.00390	ug/L		12/16/14 08:43	12/17/14 18:08	1
Dieldrin	0.00590	U	0.0500	0.00590	ug/L		12/16/14 08:43	12/17/14 18:08	1
alpha-Endosulfan	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:08	1
beta-Endosulfan	0.00740	U	0.0500	0.00740	ug/L		12/16/14 08:43	12/17/14 18:08	1
Endosulfan sulfate	0.00210	U	0.0500	0.00210	ug/L		12/16/14 08:43	12/17/14 18:08	1
Endrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:08	1
Endrin aldehyde	0.00280	U	0.0500	0.00280	ug/L		12/16/14 08:43	12/17/14 18:08	1
Heptachlor	0.00310	U	0.0500	0.00310	ug/L		12/16/14 08:43	12/17/14 18:08	1
Heptachlor epoxide	0.00320	U	0.0500	0.00320	ug/L		12/16/14 08:43	12/17/14 18:08	1
PCB-1016	0.0480	U	0.500	0.0480	ug/L		12/16/14 08:43	12/17/14 18:52	1
PCB-1221	0.220	U	0.500	0.220	ug/L		12/16/14 08:43	12/17/14 18:52	1
PCB-1232	0.410	U	0.500	0.410	ug/L		12/16/14 08:43	12/17/14 18:52	1
PCB-1242	0.180	U	0.500	0.180	ug/L		12/16/14 08:43	12/17/14 18:52	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: D001 COMPOSITE

Lab Sample ID: 400-99493-4

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 608 - Organochlorine Pesticides/PCBs in Water (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
PCB-1248	0.0200	U	0.500	0.0200	ug/L		12/16/14 08:43	12/17/14 18:52	1
PCB-1254	0.310	U	0.500	0.310	ug/L		12/16/14 08:43	12/17/14 18:52	1
PCB-1260	0.0340	U J3	0.500	0.0340	ug/L		12/16/14 08:43	12/17/14 18:52	1
Toxaphene	0.400	U	3.00	0.400	ug/L		12/16/14 08:43	12/17/14 18:08	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
DCB Decachlorobiphenyl	14		10 - 130				12/16/14 08:43	12/17/14 18:08	1
Tetrachloro-m-xylene	76		43 - 130				12/16/14 08:43	12/17/14 18:08	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Bromide	0.200	U	0.500	0.200	mg/L			12/17/14 13:27	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Aluminum	0.184		0.100	0.0400	mg/L		12/12/14 11:47	12/17/14 20:04	1
Arsenic	0.00400	U	0.00500	0.00400	mg/L		12/12/14 11:47	12/17/14 20:04	1
Barium	0.0193		0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:04	1
Beryllium	0.00100	U	0.00300	0.00100	mg/L		12/12/14 11:47	12/17/14 20:04	1
Boron	0.0300	I	0.100	0.0150	mg/L		12/12/14 11:47	12/17/14 20:04	1
Cadmium	0.00100	U	0.00500	0.00100	mg/L		12/12/14 11:47	12/17/14 20:04	1
Chromium	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:04	1
Cobalt	0.00300	U	0.0100	0.00300	mg/L		12/12/14 11:47	12/17/14 20:04	1
Iron	0.317		0.100	0.0500	mg/L		12/12/14 11:47	12/17/14 20:04	1
Lead	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:04	1
Magnesium	2.39		0.500	0.0300	mg/L		12/12/14 11:47	12/17/14 20:04	1
Manganese	0.0512		0.0100	0.00100	mg/L		12/12/14 11:47	12/17/14 20:04	1
Molybdenum	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:04	1
Nickel	0.00300	U	0.00500	0.00300	mg/L		12/12/14 11:47	12/17/14 20:04	1
Selenium	0.00400	U	0.0100	0.00400	mg/L		12/12/14 11:47	12/17/14 20:04	1
Silver	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:04	1
Tin	0.00500	U	0.0100	0.00500	mg/L		12/12/14 11:47	12/17/14 20:04	1
Titanium	0.00265	I	0.00500	0.00150	mg/L		12/12/14 11:47	12/17/14 20:04	1
Zinc	0.00800	U	0.0200	0.00800	mg/L		12/12/14 11:47	12/17/14 20:04	1

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Antimony	0.00230	U	0.00500	0.00230	mg/L		12/16/14 08:30	12/17/14 19:52	1
Thallium	0.000500	U	0.00100	0.000500	mg/L		12/16/14 08:30	12/17/14 19:52	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Mercury	0.0000700	U	0.000200	0.0000700	mg/L		12/11/14 10:10	12/12/14 14:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Nitrogen, Kjeldahl	0.316	I	0.500	0.260	mg/L		12/12/14 09:06	12/16/14 12:26	1
Phosphorus, Total	0.0328	I	0.100	0.0300	mg/L		12/12/14 09:08	12/15/14 15:58	1
Ammonia	0.0160	U	0.0500	0.0160	mg/L			12/17/14 13:48	1
Nitrogen, Organic	0.316	I	0.500	0.260	mg/L			12/18/14 09:47	1
Color	26.6		5.00	1.50	Color Units			12/11/14 08:00	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: D001 COMPOSITE

Lab Sample ID: 400-99493-4

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

General Chemistry (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.00	I	5.00	3.20	mg/L			12/11/14 16:25	1
Fluoride	0.0240	U	0.100	0.0240	mg/L			12/11/14 12:08	1
Nitrate Nitrite as N	0.438		0.0500	0.0180	mg/L			12/16/14 18:13	1
Sulfide	1.00	U	1.00	1.00	mg/L			12/11/14 12:29	1
Sulfide as H2S	1.10	U	1.10	1.10	mg/L			12/11/14 12:29	1
Sulfite	5.00	U Q	5.00	5.00	mg/L			12/19/14 14:00	1
Sulfate, Dissolved	9.46		5.00	1.40	mg/L			12/19/14 12:05	1
Biochemical Oxygen Demand	2.00	U	2.00	2.00	mg/L			12/11/14 13:55	1
Chemical Oxygen Demand	18.1		10.0	6.40	mg/L			12/19/14 14:46	1
Total Organic Carbon	3.97		1.00	0.500	mg/L			12/16/14 21:27	1
Methylene Blue Active Substances	0.120	U	0.200	0.120	mg/l LAS MW 340			12/11/14 13:05	1
Nitrogen, Total	0.754		0.500	0.260	mg/L			12/18/14 09:41	1

Client Sample ID: INTAKE GRAB

Lab Sample ID: 400-99493-5

Date Collected: 12/10/14 12:15

Matrix: Water

Date Received: 12/10/14 15:55

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000544		0.000500	0.000200	ug/L		12/11/14 10:30	12/15/14 10:12	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	2.24	U	4.08	2.24	mg/L		12/18/14 07:57	12/18/14 13:11	1
Phenols, Total	0.00683	I	0.0100	0.00450	mg/L		12/17/14 10:50	12/17/14 13:20	1
Cyanide, Total	0.00500	U	0.00500	0.00500	mg/L		12/17/14 09:45	12/17/14 14:25	1

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	6.00		1.00	1.00	CFU/100mL			12/10/14 17:56	1

Client Sample ID: INTAKE COMPOSITE

Lab Sample ID: 400-99493-6

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10.0	U	20.0	10.0	ug/L			12/13/14 02:41	1
Acrylonitrile	2.80	U	10.0	2.80	ug/L			12/13/14 02:41	1
Benzene	0.380	U	1.00	0.380	ug/L			12/13/14 02:41	1
Dichlorobromomethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Bromoform	0.710	U	5.00	0.710	ug/L			12/13/14 02:41	1
Carbon tetrachloride	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Chlorobenzene	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Chlorodibromomethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Chloroethane	0.760	U	1.00	0.760	ug/L			12/13/14 02:41	1
2-Chloroethyl vinyl ether	2.00	U	5.00	2.00	ug/L			12/13/14 02:41	1
Chloroform	0.600	U	1.00	0.600	ug/L			12/13/14 02:41	1
1,1-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Dichlorodifluoromethane	0.850	U	1.00	0.850	ug/L			12/13/14 02:41	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: INTAKE COMPOSITE

Lab Sample ID: 400-99493-6

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
1,2-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
1,2-Dichloropropane	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
1,3-Dichloropropylene	1.00	U	2.00	1.00	ug/L			12/13/14 02:41	1
Ethylbenzene	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Methyl bromide	0.980	U	1.00	0.980	ug/L			12/13/14 02:41	1
Methyl chloride	0.830	U	1.00	0.830	ug/L			12/13/14 02:41	1
Methylene Chloride	3.00	U	5.00	3.00	ug/L			12/13/14 02:41	1
1,1,2,2-Tetrachloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Tetrachloroethylene	0.580	U	1.00	0.580	ug/L			12/13/14 02:41	1
Toluene	0.700	U	1.00	0.700	ug/L			12/13/14 02:41	1
1,2-trans-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
1,1,1-Trichloroethane	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
1,1,2-Trichloroethane	0.500	U	5.00	0.500	ug/L			12/13/14 02:41	1
Trichloroethylene	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1
Trichlorofluoromethane	0.520	U	1.00	0.520	ug/L			12/13/14 02:41	1
Vinyl chloride	0.500	U	1.00	0.500	ug/L			12/13/14 02:41	1

Tentatively Identified Compound

Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.00	U			542-88-1		12/13/14 02:41	1

Surrogate

%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96	78 - 118		12/13/14 02:41	1
Dibromofluoromethane	104	81 - 121		12/13/14 02:41	1
Toluene-d8 (Surr)	95	80 - 120		12/13/14 02:41	1

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.505	U	9.52	0.505	ug/L		12/12/14 14:39	12/15/14 20:07	1
1,2-Dichlorobenzene	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 20:07	1
1,3-Dichlorobenzene	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 20:07	1
1,4-Dichlorobenzene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 20:07	1
2,4,6-Trichlorophenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 20:07	1
2,4-Dichlorophenol	2.86	U	9.52	2.86	ug/L		12/12/14 14:39	12/15/14 20:07	1
2,4-Dimethylphenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 20:07	1
2,4-Dinitrophenol	3.24	U	28.6	3.24	ug/L		12/12/14 14:39	12/15/14 20:07	1
2,4-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 20:07	1
2,6-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 20:07	1
2-Chloronaphthalene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 20:07	1
2-Chlorophenol	2.10	U	9.52	2.10	ug/L		12/12/14 14:39	12/15/14 20:07	1
2-Nitrophenol	0.619	U	9.52	0.619	ug/L		12/12/14 14:39	12/15/14 20:07	1
3,3'-Dichlorobenzidine	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 20:07	1
4,6-Dinitro-o-cresol	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 20:07	1
4-Bromophenyl phenyl ether	0.305	U	9.52	0.305	ug/L		12/12/14 14:39	12/15/14 20:07	1
4-Chlorophenyl phenyl ether	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 20:07	1
4-Nitrophenol	2.00	U	9.52	2.00	ug/L		12/12/14 14:39	12/15/14 20:07	1
Acenaphthene	0.438	U	9.52	0.438	ug/L		12/12/14 14:39	12/15/14 20:07	1
Acenaphthylene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 20:07	1
Anthracene	0.400	U	9.52	0.400	ug/L		12/12/14 14:39	12/15/14 20:07	1
Benzidine	19.0	U	23.8	19.0	ug/L		12/12/14 14:39	12/15/14 20:07	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: INTAKE COMPOSITE

Lab Sample ID: 400-99493-6

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Benzo[a]anthracene	0.324	U	9.52	0.324	ug/L		12/12/14 14:39	12/15/14 20:07	1
Benzo[a]pyrene	0.410	U	9.52	0.410	ug/L		12/12/14 14:39	12/15/14 20:07	1
3,4-Benzofluoranthene	0.362	U	9.52	0.362	ug/L		12/12/14 14:39	12/15/14 20:07	1
Benzo[g,h,i]perylene	1.01	U	9.52	1.01	ug/L		12/12/14 14:39	12/15/14 20:07	1
Benzo[k]fluoranthene	0.514	U	9.52	0.514	ug/L		12/12/14 14:39	12/15/14 20:07	1
bis (2-chloroisopropyl) ether	0.771	U	9.52	0.771	ug/L		12/12/14 14:39	12/15/14 20:07	1
Bis(2-chloroethoxy)methane	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 20:07	1
Bis(2-chloroethyl)ether	0.705	U	9.52	0.705	ug/L		12/12/14 14:39	12/15/14 20:07	1
Bis(2-ethylhexyl) phthalate	2.15	U	9.52	2.15	ug/L		12/12/14 14:39	12/15/14 20:07	1
Butyl benzyl phthalate	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 20:07	1
Chrysene	0.467	U	9.52	0.467	ug/L		12/12/14 14:39	12/15/14 20:07	1
Dibenz(a,h)anthracene	1.11	U	9.52	1.11	ug/L		12/12/14 14:39	12/15/14 20:07	1
Diethyl phthalate	0.667	U	9.52	0.667	ug/L		12/12/14 14:39	12/15/14 20:07	1
Dimethyl phthalate	0.571	U	9.52	0.571	ug/L		12/12/14 14:39	12/15/14 20:07	1
Di-n-butyl phthalate	2.57	U	9.52	2.57	ug/L		12/12/14 14:39	12/15/14 20:07	1
Di-n-octyl phthalate	0.419	U	9.52	0.419	ug/L		12/12/14 14:39	12/15/14 20:07	1
Fluoranthene	0.733	U	9.52	0.733	ug/L		12/12/14 14:39	12/15/14 20:07	1
Fluorene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 20:07	1
Hexachlorobenzene	0.238	U	9.52	0.238	ug/L		12/12/14 14:39	12/15/14 20:07	1
Hexachlorobutadiene	3.43	U	9.52	3.43	ug/L		12/12/14 14:39	12/15/14 20:07	1
Hexachlorocyclopentadiene	2.48	U	19.0	2.48	ug/L		12/12/14 14:39	12/15/14 20:07	1
Hexachloroethane	4.00	U	9.52	4.00	ug/L		12/12/14 14:39	12/15/14 20:07	1
Indeno[1,2,3-cd]pyrene	0.971	U	9.52	0.971	ug/L		12/12/14 14:39	12/15/14 20:07	1
Isophorone	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 20:07	1
Naphthalene	0.600	U	9.52	0.600	ug/L		12/12/14 14:39	12/15/14 20:07	1
Nitrobenzene	0.524	U	9.52	0.524	ug/L		12/12/14 14:39	12/15/14 20:07	1
N-Nitrosodimethylamine	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 20:07	1
N-Nitrosodi-n-propylamine	3.14	U	9.52	3.14	ug/L		12/12/14 14:39	12/15/14 20:07	1
N-Nitrosodiphenylamine	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 20:07	1
p-Chloro-m-cresol	3.62	U	9.52	3.62	ug/L		12/12/14 14:39	12/15/14 20:07	1
Pentachlorophenol	1.72	U	19.0	1.72	ug/L		12/12/14 14:39	12/15/14 20:07	1
Phenanthrene	0.390	U	9.52	0.390	ug/L		12/12/14 14:39	12/15/14 20:07	1
Phenol	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 20:07	1
Pyrene	1.04	U	9.52	1.04	ug/L		12/12/14 14:39	12/15/14 20:07	1
1,2-Diphenylhydrazine (as Azobenzene)	0.952	U	9.52	0.952	ug/L		12/12/14 14:39	12/15/14 20:07	1

Method: 608 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Aldrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:39	1
alpha-BHC	0.00360	U	0.0500	0.00360	ug/L		12/16/14 08:43	12/17/14 18:39	1
beta-BHC	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:39	1
delta-BHC	0.00270	U	0.0500	0.00270	ug/L		12/16/14 08:43	12/17/14 18:39	1
gamma-BHC (Lindane)	0.0250	U	0.0500	0.0250	ug/L		12/16/14 08:43	12/17/14 18:39	1
Chlordane (technical)	0.130	U	0.500	0.130	ug/L		12/16/14 08:43	12/17/14 18:39	1
4,4'-DDD	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:39	1
4,4'-DDE	0.00400	U	0.0500	0.00400	ug/L		12/16/14 08:43	12/17/14 18:39	1
4,4'-DDT	0.00390	U	0.0500	0.00390	ug/L		12/16/14 08:43	12/17/14 18:39	1
Dieldrin	0.00590	U	0.0500	0.00590	ug/L		12/16/14 08:43	12/17/14 18:39	1
alpha-Endosulfan	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:39	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: INTAKE COMPOSITE

Lab Sample ID: 400-99493-6

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 608 - Organochlorine Pesticides/PCBs in Water (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
.beta.-Endosulfan	0.00740	U	0.0500	0.00740	ug/L		12/16/14 08:43	12/17/14 18:39	1
Endosulfan sulfate	0.00210	U	0.0500	0.00210	ug/L		12/16/14 08:43	12/17/14 18:39	1
Endrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 18:39	1
Endrin aldehyde	0.00280	U	0.0500	0.00280	ug/L		12/16/14 08:43	12/17/14 18:39	1
Heptachlor	0.00310	U	0.0500	0.00310	ug/L		12/16/14 08:43	12/17/14 18:39	1
Heptachlor epoxide	0.00320	U	0.0500	0.00320	ug/L		12/16/14 08:43	12/17/14 18:39	1
PCB-1016	0.0480	U	0.500	0.0480	ug/L		12/16/14 08:43	12/17/14 19:14	1
PCB-1221	0.220	U	0.500	0.220	ug/L		12/16/14 08:43	12/17/14 19:14	1
PCB-1232	0.410	U	0.500	0.410	ug/L		12/16/14 08:43	12/17/14 19:14	1
PCB-1242	0.180	U	0.500	0.180	ug/L		12/16/14 08:43	12/17/14 19:14	1
PCB-1248	0.0200	U	0.500	0.0200	ug/L		12/16/14 08:43	12/17/14 19:14	1
PCB-1254	0.310	U	0.500	0.310	ug/L		12/16/14 08:43	12/17/14 19:14	1
PCB-1260	0.0340	U J3	0.500	0.0340	ug/L		12/16/14 08:43	12/17/14 19:14	1
Toxaphene	0.400	U	3.00	0.400	ug/L		12/16/14 08:43	12/17/14 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	11		10 - 130				12/16/14 08:43	12/17/14 18:39	1
Tetrachloro-m-xylene	77		43 - 130				12/16/14 08:43	12/17/14 18:39	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.200	U	0.500	0.200	mg/L			12/17/14 13:41	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.167		0.100	0.0400	mg/L		12/12/14 11:47	12/17/14 20:08	1
Arsenic	0.00400	U	0.00500	0.00400	mg/L		12/12/14 11:47	12/17/14 20:08	1
Barium	0.0189		0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:08	1
Beryllium	0.00100	U	0.00300	0.00100	mg/L		12/12/14 11:47	12/17/14 20:08	1
Boron	0.0296	I	0.100	0.0150	mg/L		12/12/14 11:47	12/17/14 20:08	1
Cadmium	0.00100	U	0.00500	0.00100	mg/L		12/12/14 11:47	12/17/14 20:08	1
Chromium	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:08	1
Cobalt	0.00300	U	0.0100	0.00300	mg/L		12/12/14 11:47	12/17/14 20:08	1
Iron	0.288		0.100	0.0500	mg/L		12/12/14 11:47	12/17/14 20:08	1
Lead	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:08	1
Magnesium	2.41		0.500	0.0300	mg/L		12/12/14 11:47	12/17/14 20:08	1
Manganese	0.0480		0.0100	0.00100	mg/L		12/12/14 11:47	12/17/14 20:08	1
Molybdenum	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:08	1
Nickel	0.00300	U	0.00500	0.00300	mg/L		12/12/14 11:47	12/17/14 20:08	1
Selenium	0.00400	U	0.0100	0.00400	mg/L		12/12/14 11:47	12/17/14 20:08	1
Silver	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:08	1
Tin	0.00500	U	0.0100	0.00500	mg/L		12/12/14 11:47	12/17/14 20:08	1
Titanium	0.00244	I	0.00500	0.00150	mg/L		12/12/14 11:47	12/17/14 20:08	1
Zinc	0.00800	U	0.0200	0.00800	mg/L		12/12/14 11:47	12/17/14 20:08	1

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00230	U	0.00500	0.00230	mg/L		12/16/14 08:30	12/17/14 20:00	1
Thallium	0.000500	U	0.00100	0.000500	mg/L		12/16/14 08:30	12/17/14 20:00	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: INTAKE COMPOSITE

Lab Sample ID: 400-99493-6

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000700	U	0.000200	0.0000700	mg/L		12/11/14 10:10	12/12/14 14:58	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	0.359	I	0.500	0.260	mg/L		12/12/14 09:06	12/16/14 12:30	1
Phosphorus, Total	0.0625	I	0.100	0.0300	mg/L		12/12/14 09:08	12/15/14 16:01	1
Ammonia	0.0160	U	0.0500	0.0160	mg/L			12/17/14 13:49	1
Nitrogen, Organic	0.359	I	0.500	0.260	mg/L			12/18/14 09:47	1
Color	27.6		5.00	1.50	Color Units			12/11/14 08:00	1
Total Suspended Solids	3.20	U	5.00	3.20	mg/L			12/11/14 16:25	1
Fluoride	0.0240	U	0.100	0.0240	mg/L			12/11/14 12:11	1
Nitrate Nitrite as N	0.443		0.0500	0.0180	mg/L			12/16/14 18:19	1
Sulfide	1.00	U	1.00	1.00	mg/L			12/11/14 12:29	1
Sulfide as H2S	1.10	U	1.10	1.10	mg/L			12/11/14 12:29	1
Sulfite	5.00	U Q	5.00	5.00	mg/L			12/19/14 14:00	1
Sulfate, Dissolved	10.3		5.00	1.40	mg/L			12/19/14 12:05	1
Biochemical Oxygen Demand	2.39		2.00	2.00	mg/L			12/11/14 13:57	1
Chemical Oxygen Demand	17.7		10.0	6.40	mg/L			12/19/14 14:46	1
Total Organic Carbon	3.99		1.00	0.500	mg/L			12/16/14 22:34	1
Methylene Blue Active Substances	0.120	U	0.200	0.120	mg/l LAS MW 340			12/11/14 13:06	1
Nitrogen, Total	0.802		0.500	0.260	mg/L			12/18/14 09:41	1

Client Sample ID: EQ GRAB

Lab Sample ID: 400-99493-7

Date Collected: 12/09/14 10:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.505	U	9.52	0.505	ug/L		12/12/14 14:39	12/15/14 20:46	1
1,2-Dichlorobenzene	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 20:46	1
1,3-Dichlorobenzene	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 20:46	1
1,4-Dichlorobenzene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 20:46	1
2,4,6-Trichlorophenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 20:46	1
2,4-Dichlorophenol	2.86	U	9.52	2.86	ug/L		12/12/14 14:39	12/15/14 20:46	1
2,4-Dimethylphenol	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 20:46	1
2,4-Dinitrophenol	3.24	U	28.6	3.24	ug/L		12/12/14 14:39	12/15/14 20:46	1
2,4-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 20:46	1
2,6-Dinitrotoluene	1.81	U	9.52	1.81	ug/L		12/12/14 14:39	12/15/14 20:46	1
2-Chloronaphthalene	0.495	U	9.52	0.495	ug/L		12/12/14 14:39	12/15/14 20:46	1
2-Chlorophenol	2.10	U	9.52	2.10	ug/L		12/12/14 14:39	12/15/14 20:46	1
2-Nitrophenol	0.619	U	9.52	0.619	ug/L		12/12/14 14:39	12/15/14 20:46	1
3,3'-Dichlorobenzidine	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 20:46	1
4,6-Dinitro-o-cresol	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 20:46	1
4-Bromophenyl phenyl ether	0.305	U	9.52	0.305	ug/L		12/12/14 14:39	12/15/14 20:46	1
4-Chlorophenyl phenyl ether	1.90	U	9.52	1.90	ug/L		12/12/14 14:39	12/15/14 20:46	1
4-Nitrophenol	2.00	U	9.52	2.00	ug/L		12/12/14 14:39	12/15/14 20:46	1
Acenaphthene	0.438	U	9.52	0.438	ug/L		12/12/14 14:39	12/15/14 20:46	1
Acenaphthylene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 20:46	1
Anthracene	0.400	U	9.52	0.400	ug/L		12/12/14 14:39	12/15/14 20:46	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: EQ GRAB

Lab Sample ID: 400-99493-7

Date Collected: 12/09/14 10:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Benzidine	19.0	U	23.8	19.0	ug/L		12/12/14 14:39	12/15/14 20:46	1
Benzo[a]anthracene	0.324	U	9.52	0.324	ug/L		12/12/14 14:39	12/15/14 20:46	1
Benzo[a]pyrene	0.410	U	9.52	0.410	ug/L		12/12/14 14:39	12/15/14 20:46	1
3,4-Benzofluoranthene	0.362	U	9.52	0.362	ug/L		12/12/14 14:39	12/15/14 20:46	1
Benzo[g,h,i]perylene	1.01	U	9.52	1.01	ug/L		12/12/14 14:39	12/15/14 20:46	1
Benzo[k]fluoranthene	0.514	U	9.52	0.514	ug/L		12/12/14 14:39	12/15/14 20:46	1
bis (2-chloroisopropyl) ether	0.771	U	9.52	0.771	ug/L		12/12/14 14:39	12/15/14 20:46	1
Bis(2-chloroethoxy)methane	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 20:46	1
Bis(2-chloroethyl)ether	0.705	U	9.52	0.705	ug/L		12/12/14 14:39	12/15/14 20:46	1
Bis(2-ethylhexyl) phthalate	2.15	U	9.52	2.15	ug/L		12/12/14 14:39	12/15/14 20:46	1
Butyl benzyl phthalate	0.657	U	9.52	0.657	ug/L		12/12/14 14:39	12/15/14 20:46	1
Chrysene	0.467	U	9.52	0.467	ug/L		12/12/14 14:39	12/15/14 20:46	1
Dibenz(a,h)anthracene	1.11	U	9.52	1.11	ug/L		12/12/14 14:39	12/15/14 20:46	1
Diethyl phthalate	0.667	U	9.52	0.667	ug/L		12/12/14 14:39	12/15/14 20:46	1
Dimethyl phthalate	0.571	U	9.52	0.571	ug/L		12/12/14 14:39	12/15/14 20:46	1
Di-n-butyl phthalate	2.57	U	9.52	2.57	ug/L		12/12/14 14:39	12/15/14 20:46	1
Di-n-octyl phthalate	0.419	U	9.52	0.419	ug/L		12/12/14 14:39	12/15/14 20:46	1
Fluoranthene	0.733	U	9.52	0.733	ug/L		12/12/14 14:39	12/15/14 20:46	1
Fluorene	0.533	U	9.52	0.533	ug/L		12/12/14 14:39	12/15/14 20:46	1
Hexachlorobenzene	0.238	U	9.52	0.238	ug/L		12/12/14 14:39	12/15/14 20:46	1
Hexachlorobutadiene	3.43	U	9.52	3.43	ug/L		12/12/14 14:39	12/15/14 20:46	1
Hexachlorocyclopentadiene	2.48	U	19.0	2.48	ug/L		12/12/14 14:39	12/15/14 20:46	1
Hexachloroethane	4.00	U	9.52	4.00	ug/L		12/12/14 14:39	12/15/14 20:46	1
Indeno[1,2,3-cd]pyrene	0.971	U	9.52	0.971	ug/L		12/12/14 14:39	12/15/14 20:46	1
Isophorone	0.543	U	9.52	0.543	ug/L		12/12/14 14:39	12/15/14 20:46	1
Naphthalene	0.600	U	9.52	0.600	ug/L		12/12/14 14:39	12/15/14 20:46	1
Nitrobenzene	0.524	U	9.52	0.524	ug/L		12/12/14 14:39	12/15/14 20:46	1
N-Nitrosodimethylamine	3.33	U	9.52	3.33	ug/L		12/12/14 14:39	12/15/14 20:46	1
N-Nitrosodi-n-propylamine	3.14	U	9.52	3.14	ug/L		12/12/14 14:39	12/15/14 20:46	1
N-Nitrosodiphenylamine	0.448	U	9.52	0.448	ug/L		12/12/14 14:39	12/15/14 20:46	1
p-Chloro-m-cresol	3.62	U	9.52	3.62	ug/L		12/12/14 14:39	12/15/14 20:46	1
Pentachlorophenol	1.72	U	19.0	1.72	ug/L		12/12/14 14:39	12/15/14 20:46	1
Phenanthrene	0.390	U	9.52	0.390	ug/L		12/12/14 14:39	12/15/14 20:46	1
Phenol	2.48	U	9.52	2.48	ug/L		12/12/14 14:39	12/15/14 20:46	1
Pyrene	1.04	U	9.52	1.04	ug/L		12/12/14 14:39	12/15/14 20:46	1
1,2-Diphenylhydrazine (as Azobenzene)	0.952	U	9.52	0.952	ug/L		12/12/14 14:39	12/15/14 20:46	1

Method: 608 - Organochlorine Pesticides/PCBs in Water

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Aldrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 19:11	1
alpha-BHC	0.00360	U	0.0500	0.00360	ug/L		12/16/14 08:43	12/17/14 19:11	1
beta-BHC	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 19:11	1
delta-BHC	0.00270	U	0.0500	0.00270	ug/L		12/16/14 08:43	12/17/14 19:11	1
gamma-BHC (Lindane)	0.0250	U	0.0500	0.0250	ug/L		12/16/14 08:43	12/17/14 19:11	1
Chlordane (technical)	0.130	U	0.500	0.130	ug/L		12/16/14 08:43	12/17/14 19:11	1
4,4'-DDD	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 19:11	1
4,4'-DDE	0.00400	U	0.0500	0.00400	ug/L		12/16/14 08:43	12/17/14 19:11	1
4,4'-DDT	0.00390	U	0.0500	0.00390	ug/L		12/16/14 08:43	12/17/14 19:11	1
Dieldrin	0.00590	U	0.0500	0.00590	ug/L		12/16/14 08:43	12/17/14 19:11	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: EQ GRAB

Lab Sample ID: 400-99493-7

Date Collected: 12/09/14 10:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 608 - Organochlorine Pesticides/PCBs in Water (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
.alpha.-Endosulfan	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 19:11	1
.beta.-Endosulfan	0.00740	U	0.0500	0.00740	ug/L		12/16/14 08:43	12/17/14 19:11	1
Endosulfan sulfate	0.00210	U	0.0500	0.00210	ug/L		12/16/14 08:43	12/17/14 19:11	1
Endrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 19:11	1
Endrin aldehyde	0.00280	U	0.0500	0.00280	ug/L		12/16/14 08:43	12/17/14 19:11	1
Heptachlor	0.00310	U	0.0500	0.00310	ug/L		12/16/14 08:43	12/17/14 19:11	1
Heptachlor epoxide	0.00320	U	0.0500	0.00320	ug/L		12/16/14 08:43	12/17/14 19:11	1
PCB-1016	0.0480	U	0.500	0.0480	ug/L		12/16/14 08:43	12/17/14 19:36	1
PCB-1221	0.220	U	0.500	0.220	ug/L		12/16/14 08:43	12/17/14 19:36	1
PCB-1232	0.410	U	0.500	0.410	ug/L		12/16/14 08:43	12/17/14 19:36	1
PCB-1242	0.180	U	0.500	0.180	ug/L		12/16/14 08:43	12/17/14 19:36	1
PCB-1248	0.0200	U	0.500	0.0200	ug/L		12/16/14 08:43	12/17/14 19:36	1
PCB-1254	0.310	U	0.500	0.310	ug/L		12/16/14 08:43	12/17/14 19:36	1
PCB-1260	0.0340	U J3	0.500	0.0340	ug/L		12/16/14 08:43	12/17/14 19:36	1
Toxaphene	0.400	U	3.00	0.400	ug/L		12/16/14 08:43	12/17/14 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	13		10 - 130	12/16/14 08:43	12/17/14 19:11	1
Tetrachloro-m-xylene	91		43 - 130	12/16/14 08:43	12/17/14 19:11	1

Method: 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.200	U	0.500	0.200	mg/L			12/18/14 02:45	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0400	U	0.100	0.0400	mg/L		12/12/14 11:47	12/17/14 20:11	1
Arsenic	0.00400	U	0.00500	0.00400	mg/L		12/12/14 11:47	12/17/14 20:11	1
Barium	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:11	1
Beryllium	0.00100	U	0.00300	0.00100	mg/L		12/12/14 11:47	12/17/14 20:11	1
Boron	0.0150	U	0.100	0.0150	mg/L		12/12/14 11:47	12/17/14 20:11	1
Cadmium	0.00100	U	0.00500	0.00100	mg/L		12/12/14 11:47	12/17/14 20:11	1
Chromium	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:11	1
Cobalt	0.00300	U	0.0100	0.00300	mg/L		12/12/14 11:47	12/17/14 20:11	1
Copper	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:11	1
Iron	0.0500	U	0.100	0.0500	mg/L		12/12/14 11:47	12/17/14 20:11	1
Lead	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:11	1
Magnesium	0.0311	I V	0.500	0.0300	mg/L		12/12/14 11:47	12/17/14 20:11	1
Manganese	0.00100	U	0.0100	0.00100	mg/L		12/12/14 11:47	12/17/14 20:11	1
Molybdenum	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 20:11	1
Nickel	0.00300	U	0.00500	0.00300	mg/L		12/12/14 11:47	12/17/14 20:11	1
Selenium	0.00400	U	0.0100	0.00400	mg/L		12/12/14 11:47	12/17/14 20:11	1
Silver	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 20:11	1
Tin	0.00500	U	0.0100	0.00500	mg/L		12/12/14 11:47	12/17/14 20:11	1
Titanium	0.00150	U	0.00500	0.00150	mg/L		12/12/14 11:47	12/17/14 20:11	1
Zinc	0.00800	U	0.0200	0.00800	mg/L		12/12/14 11:47	12/17/14 20:11	1

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00230	U	0.00500	0.00230	mg/L		12/16/14 08:30	12/17/14 18:46	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: EQ GRAB

Lab Sample ID: 400-99493-7

Date Collected: 12/09/14 10:30

Matrix: Water

Date Received: 12/10/14 15:55

Method: 200.8 - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Thallium	0.000500	U	0.00100	0.000500	mg/L		12/16/14 08:30	12/17/14 18:46	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Mercury	0.0000700	U	0.000200	0.0000700	mg/L		12/11/14 10:10	12/12/14 14:59	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
HEM (Oil & Grease)	23.3		4.08	2.24	mg/L		12/18/14 07:57	12/18/14 13:11	1
Nitrogen, Kjeldahl	0.260	U	0.500	0.260	mg/L		12/12/14 09:06	12/16/14 12:31	1
Phosphorus, Total	0.171		0.100	0.0300	mg/L		12/12/14 09:08	12/15/14 16:02	1
Ammonia	0.0160	U	0.0500	0.0160	mg/L			12/17/14 13:50	1
Nitrogen, Organic	0.260	U	0.500	0.260	mg/L			12/18/14 09:47	1
Color	1.50	U	5.00	1.50	Color Units			12/11/14 08:00	1
Total Suspended Solids	3.20	U	5.00	3.20	mg/L			12/11/14 12:44	1
Fluoride	0.0240	U	0.100	0.0240	mg/L			12/11/14 12:14	1
Nitrate Nitrite as N	0.0180	U	0.0500	0.0180	mg/L			12/16/14 18:34	1
Sulfide	1.00	U	1.00	1.00	mg/L			12/11/14 12:29	1
Sulfide as H2S	1.10	U	1.10	1.10	mg/L			12/11/14 12:29	1
Sulfite	5.00	U Q	5.00	5.00	mg/L			12/19/14 14:00	1
Sulfate, Dissolved	1.40	U	5.00	1.40	mg/L			12/19/14 12:05	1
Biochemical Oxygen Demand	2.00	U	2.00	2.00	mg/L			12/10/14 18:06	1
Chemical Oxygen Demand	6.61	I	10.0	6.40	mg/L			12/19/14 14:46	1
Total Organic Carbon	1.64		1.00	0.500	mg/L			12/16/14 22:56	1
Methylene Blue Active Substances	0.120	U Q	0.200	0.120	mg/l LAS MW 340			12/11/14 13:07	1
Nitrogen, Total	0.260	U	0.500	0.260	mg/L			12/18/14 09:41	1

Client Sample ID: I012 FIELD BLANK

Lab Sample ID: 400-99493-8

Date Collected: 12/10/14 00:00

Matrix: Water

Date Received: 12/10/14 15:55

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Mercury	0.000207	I	0.000500	0.000200	ug/L		12/11/14 10:30	12/15/14 10:37	1

Client Sample ID: D001 FIELD BLANK

Lab Sample ID: 400-99493-9

Date Collected: 12/10/14 00:00

Matrix: Water

Date Received: 12/10/14 15:55

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Mercury	0.000200	U	0.000500	0.000200	ug/L		12/11/14 10:30	12/15/14 10:45	1

Client Sample ID: INTAKE FIELD BLANK

Lab Sample ID: 400-99493-10

Date Collected: 12/10/14 00:00

Matrix: Water

Date Received: 12/10/14 15:55

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Mercury	0.000200	U	0.000500	0.000200	ug/L		12/11/14 10:30	12/15/14 10:53	1

TestAmerica Pensacola

Definitions/Glossary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.

GC/MS VOA TICs

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
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.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
L	Off-scale high. Actual value is known to be greater than the value given.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.

HPLC/IC

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

General Chemistry

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.
Q	Sample held beyond the accepted holding time.

Biology

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit

TestAmerica Pensacola

Definitions/Glossary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Lab Chronicle

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: I012 GRAB

Lab Sample ID: 400-99493-1

Date Collected: 12/10/14 11:17

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			239975	12/11/14 10:30	VLC	TAL PEN
Total/NA	Analysis	1631E		1	240051	12/15/14 09:56	VLC	TAL PEN
Total/NA	Prep	1664A			240302	12/17/14 07:24	NDB	TAL PEN
Total/NA	Analysis	1664A		1	240390	12/17/14 12:32	NDB	TAL PEN
Total/NA	Prep	Distill/Phenol			240371	12/17/14 10:50	NAB	TAL PEN
Total/NA	Analysis	420.1		1	240399	12/17/14 13:20	NAB	TAL PEN
Total/NA	Prep	SM 4500 CN C			240414	12/17/14 09:45	BAB	TAL PEN
Total/NA	Analysis	SM 4500 CN E		1	240453	12/17/14 14:25	BAB	TAL PEN
Total/NA	Analysis	SM 9222D		1	239693		SLT	TAL PEN
					(Start)	12/10/14 17:56		
					(End)	12/11/14 16:30		

Client Sample ID: I012 COMPOSITE

Lab Sample ID: 400-99493-2

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	239751	12/13/14 01:48	EAS	TAL PEN
Total/NA	Prep	625			239808	12/12/14 14:39	KH1	TAL PEN
Total/NA	Analysis	625		1	239944	12/15/14 18:50	AJR	TAL PEN
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240406	12/17/14 18:30	MAM	TAL PEN
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240419	12/17/14 17:36	MAM	TAL PEN
Total/NA	Analysis	9056A		1	363654	12/17/14 13:12	DAS	TAL SAV
Total Recoverable	Prep	200.7			239777	12/12/14 11:47	DN1	TAL PEN
Total Recoverable	Analysis	200.7 Rev 4.4		1	240491	12/17/14 20:01	SLM	TAL PEN
Total Recoverable	Prep	200.8			363360	12/16/14 08:30	SP	TAL SAV
Total Recoverable	Analysis	200.8		1	363793	12/17/14 19:45	BJB	TAL SAV
Total/NA	Prep	245.1			239127	12/11/14 10:10	JAP	TAL PEN
Total/NA	Analysis	245.1		1	239832	12/12/14 14:56	JAP	TAL PEN
Total/NA	Prep	351.2			239735	12/12/14 09:06	KJR	TAL PEN
Total/NA	Analysis	351.2		1	240211	12/16/14 12:25	KJR	TAL PEN
Total/NA	Prep	365.2/365.3/365			239736	12/12/14 09:08	KJR	TAL PEN
Total/NA	Analysis	365.4		1	240118	12/15/14 15:57	KJR	TAL PEN
Total/NA	Analysis	4500 NH3 H		1	240408	12/17/14 13:47	JAT	TAL PEN
Total/NA	Analysis	Nitrogen,Org		1	240530	12/18/14 09:47	JAT	TAL PEN
Total/NA	Analysis	SM 2120B		1	240147	12/11/14 08:00	LSS	TAL PEN
Total/NA	Analysis	SM 2540D		1	239663	12/11/14 16:25	TET	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	239629	12/11/14 12:05	SLT	TAL PEN
Total/NA	Analysis	SM 4500 NO3 F		1	240298	12/16/14 18:12	JAT	TAL PEN
Total/NA	Analysis	SM 4500 S2 F		1	362804	12/11/14 12:29	ANH	TAL SAV

TestAmerica Pensacola

Lab Chronicle

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: I012 COMPOSITE

Lab Sample ID: 400-99493-2

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO3 B		1	364211	12/19/14 14:00	OLB	TAL SAV
Total/NA	Analysis	SM 4500 SO4 E		5	240715	12/19/14 12:35	NAB	TAL PEN
Total/NA	Analysis	SM 5210B		1	239637	12/11/14 13:54 (Start) 12/16/14 11:15 (End)	JP	TAL PEN
Total/NA	Analysis	SM 5220D		1	240749	12/19/14 14:42	DN1	TAL PEN
Total/NA	Analysis	SM 5310B		1	239835	12/12/14 15:21	BAB	TAL PEN
Total/NA	Analysis	SM 5540C		1	362694	12/11/14 13:04	WRB	TAL SAV
Total/NA	Analysis	Total Nitrogen		1	240526	12/18/14 09:41	JAT	TAL PEN

Client Sample ID: D001 GRAB

Lab Sample ID: 400-99493-3

Date Collected: 12/10/14 13:54

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			239975	12/11/14 10:30	VLC	TAL PEN
Total/NA	Analysis	1631E		1	240051	12/15/14 10:04	VLC	TAL PEN
Total/NA	Prep	1664A			240490	12/18/14 07:57	NDB	TAL PEN
Total/NA	Analysis	1664A		1	240573	12/18/14 13:11	NDB	TAL PEN
Total/NA	Prep	Distill/Phenol			240371	12/17/14 10:50	NAB	TAL PEN
Total/NA	Analysis	420.1		1	240399	12/17/14 13:20	NAB	TAL PEN
Total/NA	Prep	SM 4500 CN C			240414	12/17/14 09:45	BAB	TAL PEN
Total/NA	Analysis	SM 4500 CN E		1	240453	12/17/14 14:19	BAB	TAL PEN
Total/NA	Analysis	SM 9222D		1	239693	12/10/14 17:56 (Start) 12/11/14 16:30 (End)	SLT	TAL PEN

Client Sample ID: D001 COMPOSITE

Lab Sample ID: 400-99493-4

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	239751	12/13/14 02:14	EAS	TAL PEN
Total/NA	Prep	625			239808	12/12/14 14:39	KH1	TAL PEN
Total/NA	Analysis	625		1	239944	12/15/14 19:29	AJR	TAL PEN
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240406	12/17/14 18:52	MAM	TAL PEN
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240419	12/17/14 18:08	MAM	TAL PEN
Total/NA	Analysis	9056A		1	363654	12/17/14 13:27	DAS	TAL SAV
Total Recoverable	Prep	200.7			239777	12/12/14 11:47	DN1	TAL PEN
Total Recoverable	Analysis	200.7 Rev 4.4		1	240491	12/17/14 20:04	SLM	TAL PEN
Total Recoverable	Prep	200.8			363360	12/16/14 08:30	SP	TAL SAV

TestAmerica Pensacola

Lab Chronicle

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: D001 COMPOSITE

Lab Sample ID: 400-99493-4

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	200.8		1	363793	12/17/14 19:52	BJB	TAL SAV
Total/NA	Prep	245.1			239127	12/11/14 10:10	JAP	TAL PEN
Total/NA	Analysis	245.1		1	239832	12/12/14 14:57	JAP	TAL PEN
Total/NA	Prep	351.2			239735	12/12/14 09:06	KJR	TAL PEN
Total/NA	Analysis	351.2		1	240211	12/16/14 12:26	KJR	TAL PEN
Total/NA	Prep	365.2/365.3/365			239736	12/12/14 09:08	KJR	TAL PEN
Total/NA	Analysis	365.4		1	240118	12/15/14 15:58	KJR	TAL PEN
Total/NA	Analysis	4500 NH3 H		1	240408	12/17/14 13:48	JAT	TAL PEN
Total/NA	Analysis	Nitrogen,Org		1	240530	12/18/14 09:47	JAT	TAL PEN
Total/NA	Analysis	SM 2120B		1	240147	12/11/14 08:00	LSS	TAL PEN
Total/NA	Analysis	SM 2540D		1	239663	12/11/14 16:25	TET	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	239629	12/11/14 12:08	SLT	TAL PEN
Total/NA	Analysis	SM 4500 NO3 F		1	240298	12/16/14 18:13	JAT	TAL PEN
Total/NA	Analysis	SM 4500 S2 F		1	362804	12/11/14 12:29	ANH	TAL SAV
Total/NA	Analysis	SM 4500 SO3 B		1	364211	12/19/14 14:00	OLB	TAL SAV
Total/NA	Analysis	SM 4500 SO4 E		1	240715	12/19/14 12:05	NAB	TAL PEN
Total/NA	Analysis	SM 5210B		1	239637		JP	TAL PEN
					(Start)	12/11/14 13:55		
					(End)	12/16/14 11:15		
Total/NA	Analysis	SM 5220D		1	240750	12/19/14 14:46	DN1	TAL PEN
Total/NA	Analysis	SM 5310B		1	240335	12/16/14 21:27	BAB	TAL PEN
Total/NA	Analysis	SM 5540C		1	362694	12/11/14 13:05	WRB	TAL SAV
Total/NA	Analysis	Total Nitrogen		1	240526	12/18/14 09:41	JAT	TAL PEN

Client Sample ID: INTAKE GRAB

Lab Sample ID: 400-99493-5

Date Collected: 12/10/14 12:15

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			239975	12/11/14 10:30	VLC	TAL PEN
Total/NA	Analysis	1631E		1	240051	12/15/14 10:12	VLC	TAL PEN
Total/NA	Prep	1664A			240490	12/18/14 07:57	NDB	TAL PEN
Total/NA	Analysis	1664A		1	240573	12/18/14 13:11	NDB	TAL PEN
Total/NA	Prep	Distill/Phenol			240371	12/17/14 10:50	NAB	TAL PEN
Total/NA	Analysis	420.1		1	240399	12/17/14 13:20	NAB	TAL PEN
Total/NA	Prep	SM 4500 CN C			240414	12/17/14 09:45	BAB	TAL PEN
Total/NA	Analysis	SM 4500 CN E		1	240453	12/17/14 14:25	BAB	TAL PEN
Total/NA	Analysis	SM 9222D		1	239693		SLT	TAL PEN
					(Start)	12/10/14 17:56		
					(End)	12/11/14 16:30		

TestAmerica Pensacola

Lab Chronicle

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: INTAKE COMPOSITE

Lab Sample ID: 400-99493-6

Date Collected: 12/10/14 11:30

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	239751	12/13/14 02:41	EAS	TAL PEN
Total/NA	Prep	625			239808	12/12/14 14:39	KH1	TAL PEN
Total/NA	Analysis	625		1	239944	12/15/14 20:07	AJR	TAL PEN
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240406	12/17/14 19:14	MAM	TAL PEN
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240419	12/17/14 18:39	MAM	TAL PEN
Total/NA	Analysis	9056A		1	363654	12/17/14 13:41	DAS	TAL SAV
Total Recoverable	Prep	200.7			239777	12/12/14 11:47	DN1	TAL PEN
Total Recoverable	Analysis	200.7 Rev 4.4		1	240491	12/17/14 20:08	SLM	TAL PEN
Total Recoverable	Prep	200.8			363360	12/16/14 08:30	SP	TAL SAV
Total Recoverable	Analysis	200.8		1	363793	12/17/14 20:00	BJB	TAL SAV
Total/NA	Prep	245.1			239127	12/11/14 10:10	JAP	TAL PEN
Total/NA	Analysis	245.1		1	239832	12/12/14 14:58	JAP	TAL PEN
Total/NA	Prep	351.2			239735	12/12/14 09:06	KJR	TAL PEN
Total/NA	Analysis	351.2		1	240211	12/16/14 12:30	KJR	TAL PEN
Total/NA	Prep	365.2/365.3/365			239736	12/12/14 09:08	KJR	TAL PEN
Total/NA	Analysis	365.4		1	240118	12/15/14 16:01	KJR	TAL PEN
Total/NA	Analysis	4500 NH3 H		1	240408	12/17/14 13:49	JAT	TAL PEN
Total/NA	Analysis	Nitrogen,Org		1	240530	12/18/14 09:47	JAT	TAL PEN
Total/NA	Analysis	SM 2120B		1	240147	12/11/14 08:00	LSS	TAL PEN
Total/NA	Analysis	SM 2540D		1	239663	12/11/14 16:25	TET	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	239629	12/11/14 12:11	SLT	TAL PEN
Total/NA	Analysis	SM 4500 NO3 F		1	240298	12/16/14 18:19	JAT	TAL PEN
Total/NA	Analysis	SM 4500 S2 F		1	362804	12/11/14 12:29	ANH	TAL SAV
Total/NA	Analysis	SM 4500 SO3 B		1	364211	12/19/14 14:00	OLB	TAL SAV
Total/NA	Analysis	SM 4500 SO4 E		1	240715	12/19/14 12:05	NAB	TAL PEN
Total/NA	Analysis	SM 5210B		1	239637		JP	TAL PEN
					(Start)	12/11/14 13:57		
					(End)	12/16/14 11:15		
Total/NA	Analysis	SM 5220D		1	240750	12/19/14 14:46	DN1	TAL PEN
Total/NA	Analysis	SM 5310B		1	240335	12/16/14 22:34	BAB	TAL PEN
Total/NA	Analysis	SM 5540C		1	362694	12/11/14 13:06	WRB	TAL SAV
Total/NA	Analysis	Total Nitrogen		1	240526	12/18/14 09:41	JAT	TAL PEN

Client Sample ID: EQ GRAB

Lab Sample ID: 400-99493-7

Date Collected: 12/09/14 10:30

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			239808	12/12/14 14:39	KH1	TAL PEN
Total/NA	Analysis	625		1	239944	12/15/14 20:46	AJR	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: EQ GRAB

Lab Sample ID: 400-99493-7

Date Collected: 12/09/14 10:30

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240406	12/17/14 19:36	MAM	TAL PEN
Total/NA	Prep	608			240154	12/16/14 08:43	KH1	TAL PEN
Total/NA	Analysis	608		1	240419	12/17/14 19:11	MAM	TAL PEN
Total/NA	Analysis	9056A		1	363831	12/18/14 02:45	AJO	TAL SAV
Total Recoverable	Prep	200.7			239777	12/12/14 11:47	DN1	TAL PEN
Total Recoverable	Analysis	200.7 Rev 4.4		1	240491	12/17/14 20:11	SLM	TAL PEN
Total Recoverable	Prep	200.8			363360	12/16/14 08:30	SP	TAL SAV
Total Recoverable	Analysis	200.8		1	363793	12/17/14 18:46	BJB	TAL SAV
Total/NA	Prep	245.1			239127	12/11/14 10:10	JAP	TAL PEN
Total/NA	Analysis	245.1		1	239832	12/12/14 14:59	JAP	TAL PEN
Total/NA	Prep	1664A			240490	12/18/14 07:57	NDB	TAL PEN
Total/NA	Analysis	1664A		1	240573	12/18/14 13:11	NDB	TAL PEN
Total/NA	Prep	351.2			239735	12/12/14 09:06	KJR	TAL PEN
Total/NA	Analysis	351.2		1	240211	12/16/14 12:31	KJR	TAL PEN
Total/NA	Prep	365.2/365.3/365			239736	12/12/14 09:08	KJR	TAL PEN
Total/NA	Analysis	365.4		1	240118	12/15/14 16:02	KJR	TAL PEN
Total/NA	Analysis	4500 NH3 H		1	240408	12/17/14 13:50	JAT	TAL PEN
Total/NA	Analysis	Nitrogen,Org		1	240530	12/18/14 09:47	JAT	TAL PEN
Total/NA	Analysis	SM 2120B		1	240147	12/11/14 08:00	LSS	TAL PEN
Total/NA	Analysis	SM 2540D		1	239619	12/11/14 12:44	TET	TAL PEN
Total/NA	Analysis	SM 4500 F C		1	239629	12/11/14 12:14	SLT	TAL PEN
Total/NA	Analysis	SM 4500 NO3 F		1	240298	12/16/14 18:34	JAT	TAL PEN
Total/NA	Analysis	SM 4500 S2 F		1	362804	12/11/14 12:29	ANH	TAL SAV
Total/NA	Analysis	SM 4500 SO3 B		1	364211	12/19/14 14:00	OLB	TAL SAV
Total/NA	Analysis	SM 4500 SO4 E		1	240715	12/19/14 12:05	NAB	TAL PEN
Total/NA	Analysis	SM 5210B		1	239467		CAC	TAL PEN
					(Start)	12/10/14 18:06		
					(End)	12/15/14 11:57		
Total/NA	Analysis	SM 5220D		1	240750	12/19/14 14:46	DN1	TAL PEN
Total/NA	Analysis	SM 5310B		1	240335	12/16/14 22:56	BAB	TAL PEN
Total/NA	Analysis	SM 5540C		1	362694	12/11/14 13:07	WRB	TAL SAV
Total/NA	Analysis	Total Nitrogen		1	240526	12/18/14 09:41	JAT	TAL PEN

Client Sample ID: I012 FIELD BLANK

Lab Sample ID: 400-99493-8

Date Collected: 12/10/14 00:00

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			239975	12/11/14 10:30	VLC	TAL PEN
Total/NA	Analysis	1631E		1	240051	12/15/14 10:37	VLC	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Client Sample ID: D001 FIELD BLANK

Lab Sample ID: 400-99493-9

Date Collected: 12/10/14 00:00

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			239975	12/11/14 10:30	VLC	TAL PEN
Total/NA	Analysis	1631E		1	240051	12/15/14 10:45	VLC	TAL PEN

Client Sample ID: INTAKE FIELD BLANK

Lab Sample ID: 400-99493-10

Date Collected: 12/10/14 00:00

Matrix: Water

Date Received: 12/10/14 15:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			239975	12/11/14 10:30	VLC	TAL PEN
Total/NA	Analysis	1631E		1	240051	12/15/14 10:53	VLC	TAL PEN

Laboratory References:

SC0009 = KNL Laboratory Services, 3202 North Florida Avenue, Tampa, FL 33603, TEL (813)229-2879

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

GC/MS VOA

Analysis Batch: 239751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99383-E-1 MS	Matrix Spike	Total/NA	Water	624	
400-99383-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
400-99443-B-3 MS	Matrix Spike	Total/NA	Water	624	
400-99493-2	I012 COMPOSITE	Total/NA	Water	624	
400-99493-4	D001 COMPOSITE	Total/NA	Water	624	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	624	
LCS 400-239751/1005	Lab Control Sample	Total/NA	Water	624	
MB 400-239751/33	Method Blank	Total/NA	Water	624	

GC/MS Semi VOA

Prep Batch: 239808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	625	
400-99493-4	D001 COMPOSITE	Total/NA	Water	625	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	625	
400-99493-7	EQ GRAB	Total/NA	Water	625	
400-99532-D-2-B MS	Matrix Spike	Total/NA	Water	625	
400-99532-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	625	
LCS 400-239808/2-A	Lab Control Sample	Total/NA	Water	625	
MB 400-239808/1-A	Method Blank	Total/NA	Water	625	

Analysis Batch: 239944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	625	239808
400-99493-4	D001 COMPOSITE	Total/NA	Water	625	239808
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	625	239808
400-99493-7	EQ GRAB	Total/NA	Water	625	239808
400-99532-D-2-B MS	Matrix Spike	Total/NA	Water	625	239808
400-99532-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	625	239808
LCS 400-239808/2-A	Lab Control Sample	Total/NA	Water	625	239808
MB 400-239808/1-A	Method Blank	Total/NA	Water	625	239808

GC Semi VOA

Prep Batch: 240154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	608	
400-99493-4	D001 COMPOSITE	Total/NA	Water	608	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	608	
400-99493-7	EQ GRAB	Total/NA	Water	608	
LCS 400-240154/2-A	Lab Control Sample	Total/NA	Water	608	
LCS 400-240154/4-A	Lab Control Sample	Total/NA	Water	608	
LCSD 400-240154/3-A	Lab Control Sample Dup	Total/NA	Water	608	
LCSD 400-240154/5-A	Lab Control Sample Dup	Total/NA	Water	608	
MB 400-240154/1-A	Method Blank	Total/NA	Water	608	

Analysis Batch: 240406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	608	240154

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

GC Semi VOA (Continued)

Analysis Batch: 240406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-4	D001 COMPOSITE	Total/NA	Water	608	240154
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	608	240154
400-99493-7	EQ GRAB	Total/NA	Water	608	240154
LCS 400-240154/4-A	Lab Control Sample	Total/NA	Water	608	240154
LCSD 400-240154/5-A	Lab Control Sample Dup	Total/NA	Water	608	240154
MB 400-240154/1-A	Method Blank	Total/NA	Water	608	240154

Analysis Batch: 240419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	608	240154
400-99493-4	D001 COMPOSITE	Total/NA	Water	608	240154
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	608	240154
400-99493-7	EQ GRAB	Total/NA	Water	608	240154
LCS 400-240154/2-A	Lab Control Sample	Total/NA	Water	608	240154
LCSD 400-240154/3-A	Lab Control Sample Dup	Total/NA	Water	608	240154
MB 400-240154/1-A	Method Blank	Total/NA	Water	608	240154

HPLC/IC

Analysis Batch: 363654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	9056A	
400-99493-4	D001 COMPOSITE	Total/NA	Water	9056A	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	9056A	
660-64385-F-3 MS	Matrix Spike	Total/NA	Water	9056A	
660-64385-F-3 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	
LCS 680-363654/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 680-363654/4	Lab Control Sample Dup	Total/NA	Water	9056A	
MB 680-363654/2	Method Blank	Total/NA	Water	9056A	

Analysis Batch: 363831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-7	EQ GRAB	Total/NA	Water	9056A	
680-108129-D-31 DU	Duplicate	Total/NA	Water	9056A	
680-108183-E-4 MS	Matrix Spike	Total/NA	Water	9056A	
680-108183-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	9056A	
LCS 680-363831/39	Lab Control Sample	Total/NA	Water	9056A	
LCSD 680-363831/40	Lab Control Sample Dup	Total/NA	Water	9056A	
MB 680-363831/37	Method Blank	Total/NA	Water	9056A	

Metals

Prep Batch: 239127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99199-O-1-F MS	Matrix Spike	Total/NA	Water	245.1	
400-99199-O-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	
400-99493-2	I012 COMPOSITE	Total/NA	Water	245.1	
400-99493-4	D001 COMPOSITE	Total/NA	Water	245.1	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	245.1	
400-99493-7	EQ GRAB	Total/NA	Water	245.1	

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Metals (Continued)

Prep Batch: 239127 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-239127/15-A	Lab Control Sample	Total/NA	Water	245.1	
MB 400-239127/14-A	Method Blank	Total/NA	Water	245.1	

Prep Batch: 239777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total Recoverable	Water	200.7	
400-99493-4	D001 COMPOSITE	Total Recoverable	Water	200.7	
400-99493-6	INTAKE COMPOSITE	Total Recoverable	Water	200.7	
400-99493-7	EQ GRAB	Total Recoverable	Water	200.7	
490-68000-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.7	
490-68000-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 400-239777/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 400-239777/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 239832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99199-O-1-F MS	Matrix Spike	Total/NA	Water	245.1	239127
400-99199-O-1-G MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	239127
400-99493-2	I012 COMPOSITE	Total/NA	Water	245.1	239127
400-99493-4	D001 COMPOSITE	Total/NA	Water	245.1	239127
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	245.1	239127
400-99493-7	EQ GRAB	Total/NA	Water	245.1	239127
LCS 400-239127/15-A	Lab Control Sample	Total/NA	Water	245.1	239127
MB 400-239127/14-A	Method Blank	Total/NA	Water	245.1	239127

Prep Batch: 239975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-1	I012 GRAB	Total/NA	Water	1631E	
400-99493-3	D001 GRAB	Total/NA	Water	1631E	
400-99493-5	INTAKE GRAB	Total/NA	Water	1631E	
400-99493-8	I012 FIELD BLANK	Total/NA	Water	1631E	
400-99493-9	D001 FIELD BLANK	Total/NA	Water	1631E	
400-99493-10	INTAKE FIELD BLANK	Total/NA	Water	1631E	
400-99498-D-2-B MS	Matrix Spike	Total/NA	Water	1631E	
400-99498-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	1631E	
LCS 400-239975/2-A	Lab Control Sample	Total/NA	Water	1631E	
LCSD 400-239975/3-A	Lab Control Sample Dup	Total/NA	Water	1631E	
MB 400-239975/1-A	Method Blank	Total/NA	Water	1631E	

Analysis Batch: 240051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-1	I012 GRAB	Total/NA	Water	1631E	239975
400-99493-3	D001 GRAB	Total/NA	Water	1631E	239975
400-99493-5	INTAKE GRAB	Total/NA	Water	1631E	239975
400-99493-8	I012 FIELD BLANK	Total/NA	Water	1631E	239975
400-99493-9	D001 FIELD BLANK	Total/NA	Water	1631E	239975
400-99493-10	INTAKE FIELD BLANK	Total/NA	Water	1631E	239975
400-99498-D-2-B MS	Matrix Spike	Total/NA	Water	1631E	239975
400-99498-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	1631E	239975
LCS 400-239975/2-A	Lab Control Sample	Total/NA	Water	1631E	239975
LCSD 400-239975/3-A	Lab Control Sample Dup	Total/NA	Water	1631E	239975

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Metals (Continued)

Analysis Batch: 240051 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-239975/1-A	Method Blank	Total/NA	Water	1631E	239975

Analysis Batch: 240491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total Recoverable	Water	200.7 Rev 4.4	239777
400-99493-4	D001 COMPOSITE	Total Recoverable	Water	200.7 Rev 4.4	239777
400-99493-6	INTAKE COMPOSITE	Total Recoverable	Water	200.7 Rev 4.4	239777
400-99493-7	EQ GRAB	Total Recoverable	Water	200.7 Rev 4.4	239777
490-68000-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	239777
490-68000-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	239777
LCS 400-239777/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	239777
MB 400-239777/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	239777

Prep Batch: 363360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total Recoverable	Water	200.8	
400-99493-4	D001 COMPOSITE	Total Recoverable	Water	200.8	
400-99493-6	INTAKE COMPOSITE	Total Recoverable	Water	200.8	
400-99493-7	EQ GRAB	Total Recoverable	Water	200.8	
400-99493-7 MS	EQ GRAB	Total Recoverable	Water	200.8	
400-99493-7 MSD	EQ GRAB	Total Recoverable	Water	200.8	
LCS 680-363360/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
MB 680-363360/1-A	Method Blank	Total Recoverable	Water	200.8	

Analysis Batch: 363793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total Recoverable	Water	200.8	363360
400-99493-4	D001 COMPOSITE	Total Recoverable	Water	200.8	363360
400-99493-6	INTAKE COMPOSITE	Total Recoverable	Water	200.8	363360
400-99493-7	EQ GRAB	Total Recoverable	Water	200.8	363360
400-99493-7 MS	EQ GRAB	Total Recoverable	Water	200.8	363360
400-99493-7 MSD	EQ GRAB	Total Recoverable	Water	200.8	363360
LCS 680-363360/2-A	Lab Control Sample	Total Recoverable	Water	200.8	363360
MB 680-363360/1-A	Method Blank	Total Recoverable	Water	200.8	363360

General Chemistry

Analysis Batch: 239467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99440-A-1 DU	Duplicate	Total/NA	Water	SM 5210B	
400-99493-7	EQ GRAB	Total/NA	Water	SM 5210B	
LCS 400-239467/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 400-239467/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 239619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99406-A-1 DU	Duplicate	Total/NA	Water	SM 2540D	
400-99493-7	EQ GRAB	Total/NA	Water	SM 2540D	
LCS 400-239619/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 400-239619/1	Method Blank	Total/NA	Water	SM 2540D	

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

General Chemistry (Continued)

Analysis Batch: 239629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99232-A-6 DU	Duplicate	Total/NA	Water	SM 4500 F C	
400-99448-D-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
400-99448-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 4500 F C	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 4500 F C	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 4500 F C	
400-99493-7	EQ GRAB	Total/NA	Water	SM 4500 F C	
LCS 400-239629/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 400-239629/3	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 239637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 5210B	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 5210B	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 5210B	
400-99519-A-2 DU	Duplicate	Total/NA	Water	SM 5210B	
LCS 400-239637/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 400-239637/1	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 239663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99479-A-1 DU	Duplicate	Total/NA	Water	SM 2540D	
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 2540D	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 2540D	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 2540D	
LCS 400-239663/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 400-239663/1	Method Blank	Total/NA	Water	SM 2540D	

Prep Batch: 239735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99440-D-2-B MS	Matrix Spike	Total/NA	Water	351.2	
400-99440-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	
400-99493-2	I012 COMPOSITE	Total/NA	Water	351.2	
400-99493-4	D001 COMPOSITE	Total/NA	Water	351.2	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	351.2	
400-99493-7	EQ GRAB	Total/NA	Water	351.2	
LCS 400-239735/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 400-239735/1-A	Method Blank	Total/NA	Water	351.2	

Prep Batch: 239736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99440-D-2-E MS	Matrix Spike	Total/NA	Water	365.2/365.3/365	
400-99440-D-2-F MSD	Matrix Spike Duplicate	Total/NA	Water	365.2/365.3/365	
400-99493-2	I012 COMPOSITE	Total/NA	Water	365.2/365.3/365	
400-99493-4	D001 COMPOSITE	Total/NA	Water	365.2/365.3/365	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	365.2/365.3/365	
400-99493-7	EQ GRAB	Total/NA	Water	365.2/365.3/365	
LCS 400-239736/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MB 400-239736/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

General Chemistry (Continued)

Analysis Batch: 239835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 5310B	
400-99493-2 MS	I012 COMPOSITE	Total/NA	Water	SM 5310B	
400-99493-2 MSD	I012 COMPOSITE	Total/NA	Water	SM 5310B	
LCS 400-239835/5	Lab Control Sample	Total/NA	Water	SM 5310B	
MB 400-239835/2	Method Blank	Total/NA	Water	SM 5310B	
MRL 400-239835/3	Lab Control Sample	Total/NA	Water	SM 5310B	

Analysis Batch: 240118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99440-D-2-E MS	Matrix Spike	Total/NA	Water	365.4	239736
400-99440-D-2-F MSD	Matrix Spike Duplicate	Total/NA	Water	365.4	239736
400-99493-2	I012 COMPOSITE	Total/NA	Water	365.4	239736
400-99493-4	D001 COMPOSITE	Total/NA	Water	365.4	239736
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	365.4	239736
400-99493-7	EQ GRAB	Total/NA	Water	365.4	239736
LCS 400-239736/2-A	Lab Control Sample	Total/NA	Water	365.4	239736
MB 400-239736/1-A	Method Blank	Total/NA	Water	365.4	239736
MRL 400-240118/13	Lab Control Sample	Total/NA	Water	365.4	

Analysis Batch: 240147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99448-B-1 DU	Duplicate	Total/NA	Water	SM 2120B	
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 2120B	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 2120B	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 2120B	
400-99493-7	EQ GRAB	Total/NA	Water	SM 2120B	
LCS 400-240147/2	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 400-240147/1	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 240211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99440-D-2-B MS	Matrix Spike	Total/NA	Water	351.2	239735
400-99440-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	351.2	239735
400-99493-2	I012 COMPOSITE	Total/NA	Water	351.2	239735
400-99493-4	D001 COMPOSITE	Total/NA	Water	351.2	239735
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	351.2	239735
400-99493-7	EQ GRAB	Total/NA	Water	351.2	239735
LCS 400-239735/2-A	Lab Control Sample	Total/NA	Water	351.2	239735
MB 400-239735/1-A	Method Blank	Total/NA	Water	351.2	239735
MRL 400-240211/11	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 240298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 4500 NO3 F	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 4500 NO3 F	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 4500 NO3 F	
400-99493-7	EQ GRAB	Total/NA	Water	SM 4500 NO3 F	
400-99493-7 MS	EQ GRAB	Total/NA	Water	SM 4500 NO3 F	
400-99493-7 MSD	EQ GRAB	Total/NA	Water	SM 4500 NO3 F	
LCS 400-240298/41	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
LCS 400-240298/8	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

General Chemistry (Continued)

Analysis Batch: 240298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-240298/40	Method Blank	Total/NA	Water	SM 4500 NO3 F	
MB 400-240298/7	Method Blank	Total/NA	Water	SM 4500 NO3 F	
MRL 400-240298/5	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	

Prep Batch: 240302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99478-A-1-A MS	Matrix Spike	Total/NA	Water	1664A	
400-99478-B-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	1664A	
400-99493-1	I012 GRAB	Total/NA	Water	1664A	
LCS 400-240302/2-A	Lab Control Sample	Total/NA	Water	1664A	
MB 400-240302/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 240335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 5310B	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 5310B	
400-99493-7	EQ GRAB	Total/NA	Water	SM 5310B	
400-99537-F-1 MS	Matrix Spike	Total/NA	Water	SM 5310B	
400-99537-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5310B	
LCS 400-240335/6	Lab Control Sample	Total/NA	Water	SM 5310B	
MB 400-240335/5	Method Blank	Total/NA	Water	SM 5310B	
MRL 400-240335/3	Lab Control Sample	Total/NA	Water	SM 5310B	

Prep Batch: 240371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99417-B-2-B MS	Matrix Spike	Total/NA	Water	Distill/Phenol	
400-99417-B-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	Distill/Phenol	
400-99493-1	I012 GRAB	Total/NA	Water	Distill/Phenol	
400-99493-3	D001 GRAB	Total/NA	Water	Distill/Phenol	
400-99493-5	INTAKE GRAB	Total/NA	Water	Distill/Phenol	
LCS 400-240371/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 400-240371/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 240390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99478-A-1-A MS	Matrix Spike	Total/NA	Water	1664A	240302
400-99478-B-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	1664A	240302
400-99493-1	I012 GRAB	Total/NA	Water	1664A	240302
LCS 400-240302/2-A	Lab Control Sample	Total/NA	Water	1664A	240302
MB 400-240302/1-A	Method Blank	Total/NA	Water	1664A	240302

Analysis Batch: 240399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99417-B-2-B MS	Matrix Spike	Total/NA	Water	420.1	240371
400-99417-B-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	420.1	240371
400-99493-1	I012 GRAB	Total/NA	Water	420.1	240371
400-99493-3	D001 GRAB	Total/NA	Water	420.1	240371
400-99493-5	INTAKE GRAB	Total/NA	Water	420.1	240371
LCS 400-240371/2-A	Lab Control Sample	Total/NA	Water	420.1	240371
MB 400-240371/1-A	Method Blank	Total/NA	Water	420.1	240371

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

General Chemistry (Continued)

Analysis Batch: 240408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	4500 NH3 H	
400-99493-4	D001 COMPOSITE	Total/NA	Water	4500 NH3 H	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	4500 NH3 H	
400-99493-7	EQ GRAB	Total/NA	Water	4500 NH3 H	
400-99646-F-1 MS	Matrix Spike	Total/NA	Water	4500 NH3 H	
400-99646-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	4500 NH3 H	
400-99700-A-3 MS	Matrix Spike	Total/NA	Water	4500 NH3 H	
400-99700-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	4500 NH3 H	
LCS 400-240408/68	Lab Control Sample	Total/NA	Water	4500 NH3 H	
MB 400-240408/67	Method Blank	Total/NA	Water	4500 NH3 H	
MRL 400-240408/14	Lab Control Sample	Total/NA	Water	4500 NH3 H	

Prep Batch: 240414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-1	I012 GRAB	Total/NA	Water	SM 4500 CN C	
400-99493-3	D001 GRAB	Total/NA	Water	SM 4500 CN C	
400-99493-5	INTAKE GRAB	Total/NA	Water	SM 4500 CN C	
400-99656-G-1-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN C	
400-99656-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN C	
LCS 400-240414/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN C	
MB 400-240414/1-A	Method Blank	Total/NA	Water	SM 4500 CN C	

Analysis Batch: 240453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-1	I012 GRAB	Total/NA	Water	SM 4500 CN E	240414
400-99493-3	D001 GRAB	Total/NA	Water	SM 4500 CN E	240414
400-99493-5	INTAKE GRAB	Total/NA	Water	SM 4500 CN E	240414
400-99656-G-1-B MS	Matrix Spike	Total/NA	Water	SM 4500 CN E	240414
400-99656-G-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 CN E	240414
LCS 400-240414/2-A	Lab Control Sample	Total/NA	Water	SM 4500 CN E	240414
MB 400-240414/1-A	Method Blank	Total/NA	Water	SM 4500 CN E	240414

Prep Batch: 240490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-3	D001 GRAB	Total/NA	Water	1664A	
400-99493-5	INTAKE GRAB	Total/NA	Water	1664A	
400-99493-7	EQ GRAB	Total/NA	Water	1664A	
400-99597-A-1-A MS	Matrix Spike	Total/NA	Water	1664A	
400-99597-B-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	1664A	
LCS 400-240490/2-A	Lab Control Sample	Total/NA	Water	1664A	
MB 400-240490/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 240526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	Total Nitrogen	
400-99493-4	D001 COMPOSITE	Total/NA	Water	Total Nitrogen	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	Total Nitrogen	
400-99493-7	EQ GRAB	Total/NA	Water	Total Nitrogen	

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

General Chemistry (Continued)

Analysis Batch: 240530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	Nitrogen,Org	
400-99493-4	D001 COMPOSITE	Total/NA	Water	Nitrogen,Org	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	Nitrogen,Org	
400-99493-7	EQ GRAB	Total/NA	Water	Nitrogen,Org	

Analysis Batch: 240573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-3	D001 GRAB	Total/NA	Water	1664A	240490
400-99493-5	INTAKE GRAB	Total/NA	Water	1664A	240490
400-99493-7	EQ GRAB	Total/NA	Water	1664A	240490
400-99597-A-1-A MS	Matrix Spike	Total/NA	Water	1664A	240490
400-99597-B-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	1664A	240490
LCS 400-240490/2-A	Lab Control Sample	Total/NA	Water	1664A	240490
MB 400-240490/1-A	Method Blank	Total/NA	Water	1664A	240490

Analysis Batch: 240715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 4500 SO4 E	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 4500 SO4 E	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 4500 SO4 E	
400-99493-7	EQ GRAB	Total/NA	Water	SM 4500 SO4 E	
400-99552-E-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-99552-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	
400-99557-F-1 MS	Matrix Spike	Total/NA	Water	SM 4500 SO4 E	
400-99557-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 SO4 E	
LCS 400-240715/57	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
LCS 400-240715/7	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MB 400-240715/56	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MB 400-240715/6	Method Blank	Total/NA	Water	SM 4500 SO4 E	
MRL 400-240715/3	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 240749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99378-A-1 MS	Matrix Spike	Total/NA	Water	SM 5220D	
400-99378-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220D	
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 5220D	
400-99537-I-1 MS	Matrix Spike	Total/NA	Water	SM 5220D	
400-99537-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220D	
LCS 400-240749/6	Lab Control Sample	Total/NA	Water	SM 5220D	
MB 400-240749/5	Method Blank	Total/NA	Water	SM 5220D	

Analysis Batch: 240750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 5220D	
400-99493-4 MS	D001 COMPOSITE	Total/NA	Water	SM 5220D	
400-99493-4 MSD	D001 COMPOSITE	Total/NA	Water	SM 5220D	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 5220D	
400-99493-7	EQ GRAB	Total/NA	Water	SM 5220D	
640-50006-B-3 MS	Matrix Spike	Total/NA	Water	SM 5220D	
640-50006-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5220D	
LCS 400-240750/6	Lab Control Sample	Total/NA	Water	SM 5220D	

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

General Chemistry (Continued)

Analysis Batch: 240750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-240750/5	Method Blank	Total/NA	Water	SM 5520D	

Analysis Batch: 362694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 5540C	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 5540C	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 5540C	
400-99493-7	EQ GRAB	Total/NA	Water	SM 5540C	
500-89169-H-3 MS	Matrix Spike	Total/NA	Water	SM 5540C	
500-89169-H-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 5540C	
LCS 680-362694/4	Lab Control Sample	Total/NA	Water	SM 5540C	
MB 680-362694/3	Method Blank	Total/NA	Water	SM 5540C	

Analysis Batch: 362804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 4500 S2 F	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 4500 S2 F	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 4500 S2 F	
400-99493-7	EQ GRAB	Total/NA	Water	SM 4500 S2 F	
680-108079-M-2 MS	Matrix Spike	Total/NA	Water	SM 4500 S2 F	
680-108079-M-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 S2 F	
680-108087-B-1 DU	Duplicate	Total/NA	Water	SM 4500 S2 F	
LCS 680-362804/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
MB 680-362804/1	Method Blank	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 364211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99493-2	I012 COMPOSITE	Total/NA	Water	SM 4500 SO3 B	
400-99493-4	D001 COMPOSITE	Total/NA	Water	SM 4500 SO3 B	
400-99493-6	INTAKE COMPOSITE	Total/NA	Water	SM 4500 SO3 B	
400-99493-7	EQ GRAB	Total/NA	Water	SM 4500 SO3 B	
400-99493-7 MS	EQ GRAB	Total/NA	Water	SM 4500 SO3 B	
400-99493-7 MSD	EQ GRAB	Total/NA	Water	SM 4500 SO3 B	
LCS 680-364211/2	Lab Control Sample	Total/NA	Water	SM 4500 SO3 B	
MB 680-364211/1	Method Blank	Total/NA	Water	SM 4500 SO3 B	

Biology

Analysis Batch: 239693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-99474-B-1 DU	Duplicate	Total/NA	Water	SM 9222D	
400-99493-1	I012 GRAB	Total/NA	Water	SM 9222D	
400-99493-3	D001 GRAB	Total/NA	Water	SM 9222D	
400-99493-5	INTAKE GRAB	Total/NA	Water	SM 9222D	
LCS 400-239693/2	Lab Control Sample	Total/NA	Water	SM 9222D	
MB 400-239693/1	Method Blank	Total/NA	Water	SM 9222D	

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-239751/33

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acrolein	10.0	U	20.0	10.0	ug/L			12/12/14 23:06	1
Acrylonitrile	2.80	U	10.0	2.80	ug/L			12/12/14 23:06	1
Benzene	0.380	U	1.00	0.380	ug/L			12/12/14 23:06	1
Dichlorobromomethane	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Bromoform	0.710	U	5.00	0.710	ug/L			12/12/14 23:06	1
Carbon tetrachloride	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Chlorobenzene	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Chlorodibromomethane	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Chloroethane	0.760	U	1.00	0.760	ug/L			12/12/14 23:06	1
2-Chloroethyl vinyl ether	2.00	U	5.00	2.00	ug/L			12/12/14 23:06	1
Chloroform	0.600	U	1.00	0.600	ug/L			12/12/14 23:06	1
1,1-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Dichlorodifluoromethane	0.850	U	1.00	0.850	ug/L			12/12/14 23:06	1
1,1-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
1,2-Dichloroethane	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
1,2-Dichloropropane	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
1,3-Dichloropropylene	1.00	U	2.00	1.00	ug/L			12/12/14 23:06	1
Ethylbenzene	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Methyl bromide	0.980	U	1.00	0.980	ug/L			12/12/14 23:06	1
Methyl chloride	0.830	U	1.00	0.830	ug/L			12/12/14 23:06	1
Methylene Chloride	3.00	U	5.00	3.00	ug/L			12/12/14 23:06	1
1,1,2,2-Tetrachloroethane	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Tetrachloroethylene	0.580	U	1.00	0.580	ug/L			12/12/14 23:06	1
Toluene	0.700	U	1.00	0.700	ug/L			12/12/14 23:06	1
1,2-trans-Dichloroethylene	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
1,1,1-Trichloroethane	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
1,1,2-Trichloroethane	0.500	U	5.00	0.500	ug/L			12/12/14 23:06	1
Trichloroethylene	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1
Trichlorofluoromethane	0.520	U	1.00	0.520	ug/L			12/12/14 23:06	1
Vinyl chloride	0.500	U	1.00	0.500	ug/L			12/12/14 23:06	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
bis(chloromethyl)ether TIC	5.00	U	ug/L			542-88-1		12/12/14 23:06	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	94		78 - 118		12/12/14 23:06	1
Dibromofluoromethane	99		81 - 121		12/12/14 23:06	1
Toluene-d8 (Surr)	94		80 - 120		12/12/14 23:06	1

Lab Sample ID: LCS 400-239751/1005

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Acrolein	200	177.6		ug/L		89	38 - 145
Acrylonitrile	200	205.3		ug/L		103	23 - 150
Benzene	20.0	17.63		ug/L		88	37 - 151

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-239751/1005

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	20.0	16.89		ug/L		84	35 - 155
Bromoform	20.0	14.77		ug/L		74	45 - 169
Carbon tetrachloride	20.0	16.63		ug/L		83	70 - 140
Chlorobenzene	20.0	16.78		ug/L		84	37 - 160
Chlorodibromomethane	20.0	16.31		ug/L		82	53 - 149
Chloroethane	20.0	19.46		ug/L		97	14 - 230
2-Chloroethyl vinyl ether	20.0	14.44		ug/L		72	1 - 305
Chloroform	20.0	17.93		ug/L		90	51 - 138
1,1-Dichloroethylene	20.0	15.43		ug/L		77	1 - 234
Dichlorodifluoromethane	20.0	16.02		ug/L		80	15 - 132
1,1-Dichloroethane	20.0	17.80		ug/L		89	59 - 155
1,2-Dichloroethane	20.0	17.87		ug/L		89	49 - 155
1,2-Dichloropropane	20.0	17.63		ug/L		88	1 - 210
Ethylbenzene	20.0	16.54		ug/L		83	37 - 162
Methyl bromide	20.0	21.20		ug/L		106	1 - 242
Methyl chloride	20.0	17.23		ug/L		86	1 - 273
Methylene Chloride	20.0	18.54		ug/L		93	1 - 221
1,1,2,2-Tetrachloroethane	20.0	17.84		ug/L		89	46 - 157
Tetrachloroethylene	20.0	16.90		ug/L		85	64 - 148
Toluene	20.0	16.56		ug/L		83	47 - 150
1,2-trans-Dichloroethylene	20.0	17.10		ug/L		85	54 - 156
1,1,1-Trichloroethane	20.0	17.01		ug/L		85	52 - 162
1,1,2-Trichloroethane	20.0	17.96		ug/L		90	52 - 150
Trichloroethylene	20.0	17.61		ug/L		88	71 - 157
Trichlorofluoromethane	20.0	16.61		ug/L		83	17 - 181
Vinyl chloride	20.0	17.35		ug/L		87	1 - 251
cis-1,3-Dichloropropylene	20.0	17.38		ug/L		87	1 - 227
trans-1,3-Dichloropropylene	20.0	14.84		ug/L		74	17 - 183

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		78 - 118
Dibromofluoromethane	100		81 - 121
Toluene-d8 (Sum)	97		80 - 120

Lab Sample ID: 400-99383-E-1 MS

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acrolein	10.0	U *	500	446.4		ug/L		89	10 - 120
Acrylonitrile	2.80	U *	500	421.6		ug/L		84	61 - 150
Benzene	0.380	U *	50.0	38.87		ug/L		78	10 - 150
Dichlorobromomethane	0.500	U *	50.0	41.41		ug/L		83	61 - 133
Bromoform	0.710	U *	50.0	37.12		ug/L		74	54 - 125
Carbon tetrachloride	0.500	U *	50.0	41.91		ug/L		84	40 - 138
Chlorobenzene	0.500	U *	50.0	30.53		ug/L		61	10 - 150
Chlorodibromomethane	0.500	U *	50.0	38.23		ug/L		76	50 - 130
Chloroethane	0.760	U *	50.0	61.23		ug/L		122	38 - 150

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-99383-E-1 MS

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	2.00	U *	50.0	2.00	U J3	ug/L		0	1 - 305
Chloroform	0.600	U *	50.0	40.20		ug/L		80	10 - 150
1,1-Dichloroethylene	0.500	U *	50.0	41.97		ug/L		84	10 - 150
Dichlorodifluoromethane	0.850	U *	50.0	52.81		ug/L		106	10 - 150
1,1-Dichloroethane	0.500	U *	50.0	40.10		ug/L		80	10 - 150
1,2-Dichloroethane	0.500	U *	50.0	38.68		ug/L		77	10 - 150
1,2-Dichloropropane	0.500	U *	50.0	39.31		ug/L		79	65 - 132
Ethylbenzene	0.500	U *	50.0	27.70		ug/L		55	10 - 150
Methyl bromide	0.980	U *	50.0	67.11		ug/L		134	10 - 150
Methyl chloride	0.830	U *	50.0	53.86		ug/L		108	26 - 150
Methylene Chloride	3.00	U *	50.0	42.54		ug/L		85	10 - 150
1,1,2,2-Tetrachloroethane	0.500	U *	50.0	37.29		ug/L		75	52 - 148
Tetrachloroethylene	0.580	U *	50.0	28.19		ug/L		56	10 - 150
Toluene	0.700	U *	50.0	31.86		ug/L		64	10 - 150
1,2-trans-Dichloroethylene	0.500	U *	50.0	37.55		ug/L		75	66 - 126
1,1,1-Trichloroethane	0.500	U *	50.0	41.88		ug/L		84	60 - 131
1,1,2-Trichloroethane	0.500	U *	50.0	37.46		ug/L		75	68 - 127
Trichloroethylene	0.500	U *	50.0	36.56		ug/L		73	10 - 150
Trichlorofluoromethane	0.520	U *	50.0	53.70		ug/L		107	29 - 144
Vinyl chloride	0.500	U *	50.0	54.30		ug/L		109	46 - 136
cis-1,3-Dichloropropylene	0.500	U *	50.0	37.78		ug/L		76	52 - 130
trans-1,3-Dichloropropylene	0.500	U *	50.0	33.70		ug/L		67	45 - 128
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	97		78 - 118						
Dibromofluoromethane	98		81 - 121						
Toluene-d8 (Sur)	95		80 - 120						

Lab Sample ID: 400-99383-E-1 MSD

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acrolein	10.0	U *	500	509.6		ug/L		102	10 - 120	13	15
Acrylonitrile	2.80	U *	500	503.1		ug/L		101	61 - 150	18	20
Benzene	0.380	U *	50.0	45.30		ug/L		91	10 - 150	15	19
Dichlorobromomethane	0.500	U *	50.0	48.03		ug/L		96	61 - 133	15	19
Bromoform	0.710	U *	50.0	47.10	J3	ug/L		94	54 - 125	24	19
Carbon tetrachloride	0.500	U *	50.0	49.93		ug/L		100	40 - 138	17	21
Chlorobenzene	0.500	U *	50.0	36.91		ug/L		74	10 - 150	19	30
Chlorodibromomethane	0.500	U *	50.0	47.76	J3	ug/L		96	50 - 130	22	21
Chloroethane	0.760	U *	50.0	67.27		ug/L		135	38 - 150	9	23
2-Chloroethyl vinyl ether	2.00	U *	50.0	2.00	U J3	ug/L		0	1 - 305	NC	50
Chloroform	0.600	U *	50.0	46.18		ug/L		92	10 - 150	14	18
1,1-Dichloroethylene	0.500	U *	50.0	49.55		ug/L		99	10 - 150	17	19
Dichlorodifluoromethane	0.850	U *	50.0	55.64		ug/L		111	10 - 150	5	23
1,1-Dichloroethane	0.500	U *	50.0	46.71		ug/L		93	10 - 150	15	18
1,2-Dichloroethane	0.500	U *	50.0	45.19		ug/L		90	10 - 150	16	19

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-99383-E-1 MSD

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	0.500	U *	50.0	46.19		ug/L		92	65 - 132	16	18
Ethylbenzene	0.500	U *	50.0	34.32		ug/L		69	10 - 150	21	40
Methyl bromide	0.980	U *	50.0	71.47		ug/L		143	10 - 150	6	24
Methyl chloride	0.830	U *	50.0	58.92		ug/L		118	26 - 150	9	23
Methylene Chloride	3.00	U *	50.0	47.67		ug/L		95	10 - 150	11	18
1,1,2,2-Tetrachloroethane	0.500	U *	50.0	45.82	J3	ug/L		92	52 - 148	21	20
Tetrachloroethylene	0.580	U *	50.0	34.67		ug/L		69	10 - 150	21	35
Toluene	0.700	U *	50.0	39.07		ug/L		78	10 - 150	20	26
1,2-trans-Dichloroethylene	0.500	U *	50.0	45.90	J3	ug/L		92	66 - 126	20	19
1,1,1-Trichloroethane	0.500	U *	50.0	49.66		ug/L		99	60 - 131	17	20
1,1,2-Trichloroethane	0.500	U *	50.0	45.39		ug/L		91	68 - 127	19	19
Trichloroethylene	0.500	U *	50.0	44.10		ug/L		88	10 - 150	19	22
Trichlorofluoromethane	0.520	U *	50.0	63.20		ug/L		126	29 - 144	16	20
Vinyl chloride	0.500	U *	50.0	58.09		ug/L		116	46 - 136	7	20
cis-1,3-Dichloropropylene	0.500	U *	50.0	44.95		ug/L		90	52 - 130	17	20
trans-1,3-Dichloropropylene	0.500	U *	50.0	41.36		ug/L		83	45 - 128	20	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	101		78 - 118
Dibromofluoromethane	101		81 - 121
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: 400-99443-B-3 MS

Matrix: Water

Analysis Batch: 239751

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acrolein	10.0	U	500	454.6		ug/L		91	10 - 120
Acrylonitrile	2.80	U	500	538.7		ug/L		108	61 - 150
Benzene	0.380	U	50.0	51.40		ug/L		103	10 - 150
Dichlorobromomethane	0.500	U	50.0	50.95		ug/L		102	61 - 133
Bromoform	0.710	U	50.0	50.96		ug/L		102	54 - 125
Carbon tetrachloride	0.500	U	50.0	58.52		ug/L		117	40 - 138
Chlorobenzene	0.500	U	50.0	41.85		ug/L		84	10 - 150
Chlorodibromomethane	0.500	U	50.0	49.61		ug/L		99	50 - 130
Chloroethane	0.760	U	50.0	66.13		ug/L		132	38 - 150
2-Chloroethyl vinyl ether	2.00	U	50.0	2.00	U J3	ug/L		0	1 - 305
Chloroform	0.969	I	50.0	54.31		ug/L		107	10 - 150
1,1-Dichloroethylene	0.500	U	50.0	58.14		ug/L		116	10 - 150
Dichlorodifluoromethane	0.850	U	50.0	58.80		ug/L		118	10 - 150
1,1-Dichloroethane	0.500	U	50.0	53.36		ug/L		107	10 - 150
1,2-Dichloroethane	0.500	U	50.0	48.80		ug/L		98	10 - 150
1,2-Dichloropropane	0.500	U	50.0	49.49		ug/L		99	65 - 132
Ethylbenzene	0.500	U	50.0	41.47		ug/L		83	10 - 150
Methyl bromide	0.980	U	50.0	66.66		ug/L		133	10 - 150
Methyl chloride	0.830	U	50.0	57.46		ug/L		115	26 - 150
Methylene Chloride	3.00	U	50.0	52.04		ug/L		104	10 - 150
1,1,2,2-Tetrachloroethane	0.500	U	50.0	49.79		ug/L		100	52 - 148

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-99443-B-3 MS							Client Sample ID: Matrix Spike		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 239751									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethylene	0.580	U	50.0	44.11		ug/L		88	10 - 150
Toluene	0.700	U	50.0	46.00		ug/L		92	10 - 150
1,2-trans-Dichloroethylene	0.500	U	50.0	53.90		ug/L		108	66 - 126
1,1,1-Trichloroethane	0.500	U	50.0	56.87		ug/L		114	60 - 131
1,1,2-Trichloroethane	0.500	U	50.0	47.83		ug/L		96	68 - 127
Trichloroethylene	0.500	U	50.0	52.00		ug/L		104	10 - 150
Trichlorofluoromethane	0.520	U	50.0	64.24		ug/L		128	29 - 144
Vinyl chloride	0.500	U	50.0	60.79		ug/L		122	46 - 136
cis-1,3-Dichloropropylene	0.500	U	50.0	47.33		ug/L		95	52 - 130
trans-1,3-Dichloropropylene	0.500	U	50.0	42.68		ug/L		85	45 - 128
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	102		78 - 118						
Dibromofluoromethane	102		81 - 121						
Toluene-d8 (Sum)	96		80 - 120						

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-239808/1-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 239944							Prep Batch: 239808		
Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.530	U	10.0	0.530	ug/L		12/12/14 14:39	12/15/14 13:01	1
1,2-Dichlorobenzene	0.570	U	10.0	0.570	ug/L		12/12/14 14:39	12/15/14 13:01	1
1,3-Dichlorobenzene	0.470	U	10.0	0.470	ug/L		12/12/14 14:39	12/15/14 13:01	1
1,4-Dichlorobenzene	0.520	U	10.0	0.520	ug/L		12/12/14 14:39	12/15/14 13:01	1
2,4,6-Trichlorophenol	3.50	U	10.0	3.50	ug/L		12/12/14 14:39	12/15/14 13:01	1
2,4-Dichlorophenol	3.00	U	10.0	3.00	ug/L		12/12/14 14:39	12/15/14 13:01	1
2,4-Dimethylphenol	3.50	U	10.0	3.50	ug/L		12/12/14 14:39	12/15/14 13:01	1
2,4-Dinitrophenol	3.40	U	30.0	3.40	ug/L		12/12/14 14:39	12/15/14 13:01	1
2,4-Dinitrotoluene	1.90	U	10.0	1.90	ug/L		12/12/14 14:39	12/15/14 13:01	1
2,6-Dinitrotoluene	1.90	U	10.0	1.90	ug/L		12/12/14 14:39	12/15/14 13:01	1
2-Chloronaphthalene	0.520	U	10.0	0.520	ug/L		12/12/14 14:39	12/15/14 13:01	1
2-Chlorophenol	2.20	U	10.0	2.20	ug/L		12/12/14 14:39	12/15/14 13:01	1
2-Nitrophenol	0.650	U	10.0	0.650	ug/L		12/12/14 14:39	12/15/14 13:01	1
3,3'-Dichlorobenzidine	2.60	U	10.0	2.60	ug/L		12/12/14 14:39	12/15/14 13:01	1
4,6-Dinitro-o-cresol	2.00	U	10.0	2.00	ug/L		12/12/14 14:39	12/15/14 13:01	1
4-Bromophenyl phenyl ether	0.320	U	10.0	0.320	ug/L		12/12/14 14:39	12/15/14 13:01	1
4-Chlorophenyl phenyl ether	2.00	U	10.0	2.00	ug/L		12/12/14 14:39	12/15/14 13:01	1
4-Nitrophenol	2.10	U	10.0	2.10	ug/L		12/12/14 14:39	12/15/14 13:01	1
Acenaphthene	0.460	U	10.0	0.460	ug/L		12/12/14 14:39	12/15/14 13:01	1
Acenaphthylene	0.560	U	10.0	0.560	ug/L		12/12/14 14:39	12/15/14 13:01	1
Anthracene	0.420	U	10.0	0.420	ug/L		12/12/14 14:39	12/15/14 13:01	1
Benzidine	20.0	U	25.0	20.0	ug/L		12/12/14 14:39	12/15/14 13:01	1
Benzo[a]anthracene	0.340	U	10.0	0.340	ug/L		12/12/14 14:39	12/15/14 13:01	1
Benzo[a]pyrene	0.430	U	10.0	0.430	ug/L		12/12/14 14:39	12/15/14 13:01	1
3,4-Benzofluoranthene	0.380	U	10.0	0.380	ug/L		12/12/14 14:39	12/15/14 13:01	1

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-239808/1-A

Matrix: Water

Analysis Batch: 239944

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 239808

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Benzo[g,h,i]perylene	1.06	U	10.0	1.06	ug/L		12/12/14 14:39	12/15/14 13:01	1
Benzo[k]fluoranthene	0.540	U	10.0	0.540	ug/L		12/12/14 14:39	12/15/14 13:01	1
bis (2-chloroisopropyl) ether	0.810	U	10.0	0.810	ug/L		12/12/14 14:39	12/15/14 13:01	1
Bis(2-chloroethoxy)methane	0.690	U	10.0	0.690	ug/L		12/12/14 14:39	12/15/14 13:01	1
Bis(2-chloroethyl)ether	0.740	U	10.0	0.740	ug/L		12/12/14 14:39	12/15/14 13:01	1
Bis(2-ethylhexyl) phthalate	2.26	U	10.0	2.26	ug/L		12/12/14 14:39	12/15/14 13:01	1
Butyl benzyl phthalate	0.690	U	10.0	0.690	ug/L		12/12/14 14:39	12/15/14 13:01	1
Chrysene	0.490	U	10.0	0.490	ug/L		12/12/14 14:39	12/15/14 13:01	1
Dibenz(a,h)anthracene	1.17	U	10.0	1.17	ug/L		12/12/14 14:39	12/15/14 13:01	1
Diethyl phthalate	0.700	U	10.0	0.700	ug/L		12/12/14 14:39	12/15/14 13:01	1
Dimethyl phthalate	0.600	U	10.0	0.600	ug/L		12/12/14 14:39	12/15/14 13:01	1
Di-n-butyl phthalate	2.70	U	10.0	2.70	ug/L		12/12/14 14:39	12/15/14 13:01	1
Di-n-octyl phthalate	0.440	U	10.0	0.440	ug/L		12/12/14 14:39	12/15/14 13:01	1
Fluoranthene	0.770	U	10.0	0.770	ug/L		12/12/14 14:39	12/15/14 13:01	1
Fluorene	0.560	U	10.0	0.560	ug/L		12/12/14 14:39	12/15/14 13:01	1
Hexachlorobenzene	0.250	U	10.0	0.250	ug/L		12/12/14 14:39	12/15/14 13:01	1
Hexachlorobutadiene	3.60	U	10.0	3.60	ug/L		12/12/14 14:39	12/15/14 13:01	1
Hexachlorocyclopentadiene	2.60	U	20.0	2.60	ug/L		12/12/14 14:39	12/15/14 13:01	1
Hexachloroethane	4.20	U	10.0	4.20	ug/L		12/12/14 14:39	12/15/14 13:01	1
Indeno[1,2,3-cd]pyrene	1.02	U	10.0	1.02	ug/L		12/12/14 14:39	12/15/14 13:01	1
Isophorone	0.570	U	10.0	0.570	ug/L		12/12/14 14:39	12/15/14 13:01	1
Naphthalene	0.630	U	10.0	0.630	ug/L		12/12/14 14:39	12/15/14 13:01	1
Nitrobenzene	0.550	U	10.0	0.550	ug/L		12/12/14 14:39	12/15/14 13:01	1
N-Nitrosodimethylamine	3.50	U	10.0	3.50	ug/L		12/12/14 14:39	12/15/14 13:01	1
N-Nitrosodi-n-propylamine	3.30	U	10.0	3.30	ug/L		12/12/14 14:39	12/15/14 13:01	1
N-Nitrosodiphenylamine	0.470	U	10.0	0.470	ug/L		12/12/14 14:39	12/15/14 13:01	1
p-Chloro-m-cresol	3.80	U	10.0	3.80	ug/L		12/12/14 14:39	12/15/14 13:01	1
Pentachlorophenol	1.81	U	20.0	1.81	ug/L		12/12/14 14:39	12/15/14 13:01	1
Phenanthrene	0.410	U	10.0	0.410	ug/L		12/12/14 14:39	12/15/14 13:01	1
Phenol	2.60	U	10.0	2.60	ug/L		12/12/14 14:39	12/15/14 13:01	1
Pyrene	1.09	U	10.0	1.09	ug/L		12/12/14 14:39	12/15/14 13:01	1
1,2-Diphenylhydrazine (as Azobenzene)	1.00	U	10.0	1.00	ug/L		12/12/14 14:39	12/15/14 13:01	1

Lab Sample ID: LCS 400-239808/2-A

Matrix: Water

Analysis Batch: 239944

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	30.0	20.62		ug/L		69	44 - 142
1,2-Dichlorobenzene	30.0	20.29		ug/L		68	32 - 129
1,3-Dichlorobenzene	30.0	19.08		ug/L		64	10 - 172
1,4-Dichlorobenzene	30.0	19.60		ug/L		65	20 - 124
2,4,6-Trichlorophenol	30.0	26.68		ug/L		89	37 - 144
2,4-Dichlorophenol	30.0	26.27		ug/L		88	39 - 135
2,4-Dimethylphenol	30.0	18.03		ug/L		60	32 - 119
2,4-Dinitrophenol	78.4	66.90		ug/L		85	30 - 191
2,4-Dinitrotoluene	30.0	29.12		ug/L		97	39 - 139
2,6-Dinitrotoluene	30.0	29.09		ug/L		97	50 - 158

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-239808/2-A

Matrix: Water

Analysis Batch: 239944

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	30.0	29.97		ug/L		100	60 - 118
2-Chlorophenol	30.0	25.08		ug/L		84	23 - 134
2-Nitrophenol	30.0	26.76		ug/L		89	29 - 182
3,3'-Dichlorobenzidine	30.0	26.51		ug/L		88	10 - 262
4,6-Dinitro-o-cresol	60.0	61.51		ug/L		103	10 - 181
4-Bromophenyl phenyl ether	30.0	29.26		ug/L		98	53 - 127
4-Chlorophenyl phenyl ether	30.0	27.03		ug/L		90	25 - 158
4-Nitrophenol	60.0	46.21		ug/L		77	10 - 132
Acenaphthene	30.0	30.11		ug/L		100	47 - 145
Acenaphthylene	30.0	29.79		ug/L		99	33 - 145
Anthracene	30.0	30.33		ug/L		101	27 - 133
Benzo[a]anthracene	30.0	30.10		ug/L		100	33 - 143
Benzo[a]pyrene	30.0	28.52		ug/L		95	17 - 163
3,4-Benzofluoranthene	30.0	28.14		ug/L		94	24 - 159
Benzo[g,h,i]perylene	30.0	26.46		ug/L		88	10 - 219
Benzo[k]fluoranthene	30.0	29.06		ug/L		97	11 - 162
bis (2-chloroisopropyl) ether	30.0	34.34		ug/L		114	36 - 166
Bis(2-chloroethoxy)methane	30.0	26.17		ug/L		87	33 - 184
Bis(2-chloroethyl)ether	30.0	27.42		ug/L		91	12 - 158
Bis(2-ethylhexyl) phthalate	30.0	33.06		ug/L		110	8 - 158
Butyl benzyl phthalate	30.0	30.38		ug/L		101	1 - 152
Chrysene	30.0	30.26		ug/L		101	17 - 168
Dibenz(a,h)anthracene	30.0	27.91		ug/L		93	10 - 227
Diethyl phthalate	30.0	28.32		ug/L		94	10 - 114
Dimethyl phthalate	30.0	27.81		ug/L		93	10 - 112
Di-n-butyl phthalate	30.0	32.43		ug/L		108	1 - 118
Di-n-octyl phthalate	30.0	33.98		ug/L		113	4 - 146
Fluoranthene	30.0	32.38		ug/L		108	26 - 137
Fluorene	30.0	28.04		ug/L		93	59 - 121
Hexachlorobenzene	30.0	28.75		ug/L		96	10 - 152
Hexachlorobutadiene	30.0	17.59		ug/L		59	24 - 116
Hexachlorocyclopentadiene	30.0	8.356	I	ug/L		28	1 - 122
Hexachloroethane	30.0	17.35		ug/L		58	40 - 113
Indeno[1,2,3-cd]pyrene	30.0	27.34		ug/L		91	10 - 171
Isophorone	30.0	24.33		ug/L		81	21 - 196
Naphthalene	30.0	25.18		ug/L		84	21 - 133
Nitrobenzene	30.0	24.65		ug/L		82	35 - 180
N-Nitrosodimethylamine	30.0	24.16		ug/L		81	38 - 120
N-Nitrosodi-n-propylamine	30.0	24.59		ug/L		82	10 - 230
N-Nitrosodiphenylamine	14.3	15.36		ug/L		108	58 - 120
p-Chloro-m-cresol	30.0	24.74		ug/L		82	22 - 147
Pentachlorophenol	60.0	52.67		ug/L		88	14 - 176
Phenanthrene	30.0	31.01		ug/L		103	54 - 120
Phenol	30.0	24.29		ug/L		81	5 - 112
Pyrene	30.0	29.25		ug/L		98	52 - 115
1,2-Diphenylhydrazine (as Azobenzene)	30.0	28.86		ug/L		96	50 - 150

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-99532-D-2-B MS				Client Sample ID: Matrix Spike			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 239944				Prep Batch: 239808			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	%Rec. Limits
1,2,4-Trichlorobenzene	1.06	U	60.0	48.57		ug/L	81 28 - 135
1,2-Dichlorobenzene	1.14	U	60.0	48.79		ug/L	81 34 - 130
1,3-Dichlorobenzene	0.940	U	60.0	46.64		ug/L	78 29 - 130
1,4-Dichlorobenzene	1.04	U	60.0	47.09		ug/L	78 34 - 130
2,4,6-Trichlorophenol	7.00	U	60.0	65.32		ug/L	109 42 - 135
2,4-Dichlorophenol	6.00	U	60.0	62.08		ug/L	103 16 - 147
2,4-Dimethylphenol	7.00	U	60.0	51.94		ug/L	87 25 - 146
2,4-Dinitrophenol	6.80	U	157	160.8		ug/L	103 10 - 166
2,4-Dinitrotoluene	3.80	U	60.0	70.61		ug/L	118 26 - 158
2,6-Dinitrotoluene	3.80	U	60.0	69.31		ug/L	116 19 - 157
2-Chloronaphthalene	1.04	U	60.0	70.81		ug/L	118 10 - 155
2-Chlorophenol	4.40	U	60.0	61.16		ug/L	102 19 - 130
2-Nitrophenol	1.30	U	60.0	64.67		ug/L	108 27 - 134
3,3'-Dichlorobenzidine	5.20	U	60.0	55.53		ug/L	93 10 - 172
4,6-Dinitro-o-cresol	4.00	U	120	151.7		ug/L	126 10 - 168
4-Bromophenyl phenyl ether	0.640	U	60.0	69.26		ug/L	115 26 - 159
4-Chlorophenyl phenyl ether	4.00	U	60.0	63.94		ug/L	107 25 - 161
4-Nitrophenol	4.20	U	120	98.72		ug/L	82 10 - 175
Acenaphthene	0.920	U	60.0	72.63		ug/L	121 26 - 146
Acenaphthylene	1.12	U	60.0	71.44		ug/L	119 15 - 156
Anthracene	0.840	U	60.0	75.27		ug/L	125 29 - 156
Benzo[a]anthracene	0.680	U	60.0	71.71		ug/L	120 50 - 135
Benzo[a]pyrene	0.860	U	60.0	68.22		ug/L	114 48 - 138
3,4-Benzofluoranthene	0.760	U	60.0	69.19		ug/L	115 30 - 157
Benzo[g,h,i]perylene	2.12	U	60.0	47.93		ug/L	80 31 - 165
Benzo[k]fluoranthene	1.08	U	60.0	76.51		ug/L	128 46 - 147
bis (2-chloroisopropyl) ether	1.62	U	60.0	81.23		ug/L	135 10 - 141
Bis(2-chloroethoxy)methane	1.38	U	60.0	63.45		ug/L	106 14 - 147
Bis(2-chloroethyl)ether	1.48	U	60.0	68.19		ug/L	114 28 - 130
Bis(2-ethylhexyl) phthalate	4.52	U	60.0	86.42		ug/L	144 43 - 160
Butyl benzyl phthalate	1.38	U	60.0	78.01		ug/L	130 43 - 151
Chrysene	0.980	U	60.0	75.27		ug/L	125 38 - 144
Dibenz(a,h)anthracene	2.34	U	60.0	52.99		ug/L	88 43 - 146
Diethyl phthalate	1.40	U	60.0	68.22		ug/L	114 23 - 160
Dimethyl phthalate	1.20	U	60.0	67.25		ug/L	112 11 - 158
Di-n-butyl phthalate	5.40	U	60.0	77.43		ug/L	129 28 - 162
Di-n-octyl phthalate	0.880	U	60.0	81.93		ug/L	137 42 - 150
Fluoranthene	1.54	U	60.0	77.53		ug/L	129 28 - 159
Fluorene	1.12	U	60.0	67.59		ug/L	113 27 - 155
Hexachlorobenzene	0.500	U	60.0	67.98		ug/L	113 45 - 145
Hexachlorobutadiene	7.20	U	60.0	41.81		ug/L	70 41 - 130
Hexachlorocyclopentadiene	5.20	U	60.0	20.11	I	ug/L	34 10 - 151
Hexachloroethane	8.40	U	60.0	40.57		ug/L	68 29 - 130
Indeno[1,2,3-cd]pyrene	2.04	U	60.0	51.23		ug/L	85 41 - 147
Isophorone	1.14	U	60.0	59.17		ug/L	99 24 - 144
Naphthalene	1.26	U	60.0	59.70		ug/L	99 53 - 130
Nitrobenzene	1.10	U	60.0	57.85		ug/L	96 34 - 135
N-Nitrosodimethylamine	7.00	U	60.0	52.06		ug/L	87 10 - 139

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-99532-D-2-B MS

Matrix: Water

Analysis Batch: 239944

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 239808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodi-n-propylamine	6.60	U	60.0	60.81		ug/L		101	13 - 147
N-Nitrosodiphenylamine	0.940	U	28.5	38.21		ug/L		134	31 - 150
p-Chloro-m-cresol	7.60	U	60.0	60.65		ug/L		101	17 - 156
Pentachlorophenol	3.62	U	120	135.6		ug/L		113	10 - 180
Phenanthrene	0.820	U	60.0	76.27		ug/L		127	31 - 155
Phenol	5.20	U	60.0	49.45		ug/L		82	23 - 130
Pyrene	2.18	U	60.0	77.35		ug/L		129	27 - 164
1,2-Diphenylhydrazine (as Azobenzene)	2.00	U	60.0	71.12		ug/L		119	19 - 162

Lab Sample ID: 400-99532-D-2-C MSD

Matrix: Water

Analysis Batch: 239944

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 239808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	1.06	U	60.0	55.88		ug/L		93	28 - 135	14	32
1,2-Dichlorobenzene	1.14	U	60.0	56.90		ug/L		95	34 - 130	15	34
1,3-Dichlorobenzene	0.940	U	60.0	51.96		ug/L		87	29 - 130	11	37
1,4-Dichlorobenzene	1.04	U	60.0	53.57		ug/L		89	34 - 130	13	36
2,4,6-Trichlorophenol	7.00	U	60.0	75.25		ug/L		125	42 - 135	14	44
2,4-Dichlorophenol	6.00	U	60.0	64.16		ug/L		107	16 - 147	3	43
2,4-Dimethylphenol	7.00	U	60.0	58.57		ug/L		98	25 - 146	12	47
2,4-Dinitrophenol	6.80	U	157	204.3		ug/L		130	10 - 166	24	36
2,4-Dinitrotoluene	3.80	U	60.0	82.70		ug/L		138	26 - 158	16	28
2,6-Dinitrotoluene	3.80	U	60.0	80.68		ug/L		134	19 - 157	15	28
2-Chloronaphthalene	1.04	U	60.0	85.49		ug/L		142	10 - 155	19	29
2-Chlorophenol	4.40	U	60.0	63.61		ug/L		106	19 - 130	4	42
2-Nitrophenol	1.30	U	60.0	70.39		ug/L		117	27 - 134	8	43
3,3'-Dichlorobenzidine	5.20	U	60.0	5.20	U J3	ug/L		0	10 - 172	NC	58
4,6-Dinitro-o-cresol	4.00	U	120	168.5		ug/L		140	10 - 168	10	42
4-Bromophenyl phenyl ether	0.640	U	60.0	72.87		ug/L		121	26 - 159	5	30
4-Chlorophenyl phenyl ether	4.00	U	60.0	73.82		ug/L		123	25 - 161	14	27
4-Nitrophenol	4.20	U	120	115.1		ug/L		96	10 - 175	15	82
Acenaphthene	0.920	U	60.0	77.65		ug/L		129	26 - 146	7	28
Acenaphthylene	1.12	U	60.0	49.97	J3	ug/L		83	15 - 156	35	28
Anthracene	0.840	U	60.0	75.37		ug/L		126	29 - 156	0	32
Benzo[a]anthracene	0.680	U	60.0	77.06		ug/L		128	50 - 135	7	32
Benzo[a]pyrene	0.860	U	60.0	195.5	J3	ug/L		326	48 - 138	97	34
3,4-Benzofluoranthene	0.760	U	60.0	385.2	L J3	ug/L		642	30 - 157	139	35
Benzo[g,h,i]perylene	2.12	U	60.0	130.2	J3	ug/L		217	31 - 165	92	34
Benzo[k]fluoranthene	1.08	U	60.0	371.5	L J3	ug/L		619	46 - 147	132	33
bis (2-chloroisopropyl) ether	1.62	U	60.0	86.83	J3	ug/L		145	10 - 141	7	41
Bis(2-chloroethoxy)methane	1.38	U	60.0	24.28	J3	ug/L		40	14 - 147	89	70
Bis(2-chloroethyl)ether	1.48	U	60.0	66.62		ug/L		111	28 - 130	2	42
Bis(2-ethylhexyl) phthalate	4.52	U	60.0	99.53	J3	ug/L		166	43 - 160	14	35
Butyl benzyl phthalate	1.38	U	60.0	54.12	J3	ug/L		90	43 - 151	36	32
Chrysene	0.980	U	60.0	82.71		ug/L		138	38 - 144	9	34
Dibenz(a,h)anthracene	2.34	U	60.0	294.9	L J3	ug/L		491	43 - 146	139	36
Diethyl phthalate	1.40	U	60.0	81.24		ug/L		135	23 - 160	17	40

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 625 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-99532-D-2-C MSD

Matrix: Water

Analysis Batch: 239944

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 239808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dimethyl phthalate	1.20	U	60.0	79.81		ug/L		133	11 - 158	17	36
Di-n-butyl phthalate	5.40	U	60.0	83.56		ug/L		139	28 - 162	8	32
Di-n-octyl phthalate	0.880	U	60.0	97.84	J3	ug/L		163	42 - 150	18	35
Fluoranthene	1.54	U	60.0	78.09		ug/L		130	28 - 159	1	31
Fluorene	1.12	U	60.0	78.50		ug/L		131	27 - 155	15	26
Hexachlorobenzene	0.500	U	60.0	74.70		ug/L		124	45 - 145	9	33
Hexachlorobutadiene	7.20	U	60.0	52.20		ug/L		87	41 - 130	22	36
Hexachlorocyclopentadiene	5.20	U	60.0	27.35	I	ug/L		46	10 - 151	31	50
Hexachloroethane	8.40	U	60.0	49.12		ug/L		82	29 - 130	19	41
Indeno[1,2,3-cd]pyrene	2.04	U	60.0	170.2	J3	ug/L		284	41 - 147	107	34
Isophorone	1.14	U	60.0	64.19		ug/L		107	24 - 144	8	33
Naphthalene	1.26	U	60.0	68.20		ug/L		114	53 - 130	13	31
Nitrobenzene	1.10	U	60.0	63.14		ug/L		105	34 - 135	9	35
N-Nitrosodimethylamine	7.00	U	60.0	41.29		ug/L		69	10 - 139	23	62
N-Nitrosodi-n-propylamine	6.60	U	60.0	64.06		ug/L		107	13 - 147	5	36
N-Nitrosodiphenylamine	0.940	U	28.5	2.118	I J3	ug/L		7	31 - 150	179	34
p-Chloro-m-cresol	7.60	U	60.0	65.25		ug/L		109	17 - 156	7	40
Pentachlorophenol	3.62	U	120	150.3		ug/L		125	10 - 180	10	42
Phenanthrene	0.820	U	60.0	79.82		ug/L		133	31 - 155	5	29
Phenol	5.20	U	60.0	56.50		ug/L		94	23 - 130	13	52
Pyrene	2.18	U	60.0	66.29		ug/L		110	27 - 164	15	31
1,2-Diphenylhydrazine (as Azobenzene)	2.00	U	60.0	32.66	J3	ug/L		54	19 - 162	74	40

Method: 608 - Organochlorine Pesticides/PCBs in Water

Lab Sample ID: MB 400-240154/1-A

Matrix: Water

Analysis Batch: 240419

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 240154

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 15:29	1
alpha-BHC	0.00360	U	0.0500	0.00360	ug/L		12/16/14 08:43	12/17/14 15:29	1
beta-BHC	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 15:29	1
delta-BHC	0.00270	U	0.0500	0.00270	ug/L		12/16/14 08:43	12/17/14 15:29	1
gamma-BHC (Lindane)	0.0250	U	0.0500	0.0250	ug/L		12/16/14 08:43	12/17/14 15:29	1
Chlordane (technical)	0.130	U	0.500	0.130	ug/L		12/16/14 08:43	12/17/14 15:29	1
4,4'-DDD	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 15:29	1
4,4'-DDE	0.00400	U	0.0500	0.00400	ug/L		12/16/14 08:43	12/17/14 15:29	1
4,4'-DDT	0.00390	U	0.0500	0.00390	ug/L		12/16/14 08:43	12/17/14 15:29	1
Dieldrin	0.00590	U	0.0500	0.00590	ug/L		12/16/14 08:43	12/17/14 15:29	1
.alpha.-Endosulfan	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 15:29	1
.beta.-Endosulfan	0.00740	U	0.0500	0.00740	ug/L		12/16/14 08:43	12/17/14 15:29	1
Endosulfan sulfate	0.00210	U	0.0500	0.00210	ug/L		12/16/14 08:43	12/17/14 15:29	1
Endrin	0.00300	U	0.0500	0.00300	ug/L		12/16/14 08:43	12/17/14 15:29	1
Endrin aldehyde	0.00280	U	0.0500	0.00280	ug/L		12/16/14 08:43	12/17/14 15:29	1
Heptachlor	0.00310	U	0.0500	0.00310	ug/L		12/16/14 08:43	12/17/14 15:29	1
Heptachlor epoxide	0.00320	U	0.0500	0.00320	ug/L		12/16/14 08:43	12/17/14 15:29	1

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 608 - Organochlorine Pesticides/PCBs in Water (Continued)

Lab Sample ID: MB 400-240154/1-A
Matrix: Water
Analysis Batch: 240419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240154

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0480	U	0.500	0.0480	ug/L		12/16/14 08:43	12/17/14 15:29	1
PCB-1221	0.220	U	0.500	0.220	ug/L		12/16/14 08:43	12/17/14 15:29	1
PCB-1232	0.410	U	0.500	0.410	ug/L		12/16/14 08:43	12/17/14 15:29	1
PCB-1242	0.180	U	0.500	0.180	ug/L		12/16/14 08:43	12/17/14 15:29	1
PCB-1248	0.0200	U	0.500	0.0200	ug/L		12/16/14 08:43	12/17/14 15:29	1
PCB-1254	0.310	U	0.500	0.310	ug/L		12/16/14 08:43	12/17/14 15:29	1
PCB-1260	0.0340	U	0.500	0.0340	ug/L		12/16/14 08:43	12/17/14 15:29	1
Toxaphene	0.400	U	3.00	0.400	ug/L		12/16/14 08:43	12/17/14 15:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		10 - 130	12/16/14 08:43	12/17/14 15:29	1
Tetrachloro-m-xylene	85		43 - 130	12/16/14 08:43	12/17/14 15:29	1

Lab Sample ID: MB 400-240154/1-A
Matrix: Water
Analysis Batch: 240406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240154

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0480	U	0.500	0.0480	ug/L		12/16/14 08:43	12/17/14 17:23	1
PCB-1221	0.220	U	0.500	0.220	ug/L		12/16/14 08:43	12/17/14 17:23	1
PCB-1232	0.410	U	0.500	0.410	ug/L		12/16/14 08:43	12/17/14 17:23	1
PCB-1242	0.180	U	0.500	0.180	ug/L		12/16/14 08:43	12/17/14 17:23	1
PCB-1248	0.0200	U	0.500	0.0200	ug/L		12/16/14 08:43	12/17/14 17:23	1
PCB-1254	0.310	U	0.500	0.310	ug/L		12/16/14 08:43	12/17/14 17:23	1
PCB-1260	0.0340	U	0.500	0.0340	ug/L		12/16/14 08:43	12/17/14 17:23	1

Lab Sample ID: LCS 400-240154/2-A
Matrix: Water
Analysis Batch: 240419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.500	0.5214		ug/L		104	42 - 122
alpha-BHC	0.500	0.5464		ug/L		109	37 - 134
beta-BHC	0.500	0.5094		ug/L		102	17 - 147
delta-BHC	0.500	0.4981		ug/L		100	19 - 140
gamma-BHC (Lindane)	0.500	0.5476		ug/L		110	32 - 127
4,4'-DDD	0.500	0.5304		ug/L		106	31 - 141
4,4'-DDE	0.500	0.5326		ug/L		107	30 - 145
4,4'-DDT	0.500	0.5480		ug/L		110	25 - 160
Dieldrin	0.500	0.5505		ug/L		110	36 - 146
.alpha.-Endosulfan	0.500	0.5563		ug/L		111	45 - 153
.beta.-Endosulfan	0.500	0.5227		ug/L		105	1 - 202
Endosulfan sulfate	0.500	0.5223		ug/L		104	26 - 144
Endrin	0.500	0.4894		ug/L		98	30 - 147
Endrin aldehyde	0.500	0.4726		ug/L		95	30 - 130
Heptachlor	0.500	0.5274		ug/L		105	34 - 111
Heptachlor epoxide	0.500	0.5368		ug/L		107	37 - 142

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 608 - Organochlorine Pesticides/PCBs in Water (Continued)

Lab Sample ID: LCS 400-240154/2-A
Matrix: Water
Analysis Batch: 240419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240154

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	74		10 - 130
Tetrachloro-m-xylene	95		43 - 130

Lab Sample ID: LCS 400-240154/4-A
Matrix: Water
Analysis Batch: 240406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	5.00	5.061		ug/L		101	50 - 114
PCB-1260	5.00	6.245		ug/L		125	8 - 127

Lab Sample ID: LCSD 400-240154/3-A
Matrix: Water
Analysis Batch: 240419

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 240154

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	0.500	0.5032		ug/L		101	42 - 122	4	40
alpha-BHC	0.500	0.5199		ug/L		104	37 - 134	4	40
beta-BHC	0.500	0.4944		ug/L		99	17 - 147	3	40
delta-BHC	0.500	0.4859		ug/L		97	19 - 140	2	40
gamma-BHC (Lindane)	0.500	0.5262		ug/L		105	32 - 127	4	40
4,4'-DDD	0.500	0.5267		ug/L		105	31 - 141	1	40
4,4'-DDE	0.500	0.5239		ug/L		105	30 - 145	2	40
4,4'-DDT	0.500	0.5388		ug/L		108	25 - 160	2	40
Dieldrin	0.500	0.5406		ug/L		108	36 - 146	2	40
.alpha.-Endosulfan	0.500	0.5419		ug/L		108	45 - 153	3	40
.beta.-Endosulfan	0.500	0.5176		ug/L		104	1 - 202	0	40
Endosulfan sulfate	0.500	0.5194		ug/L		104	26 - 144	0	40
Endrin	0.500	0.4800		ug/L		96	30 - 147	2	40
Endrin aldehyde	0.500	0.4663		ug/L		93	30 - 130	0	40
Heptachlor	0.500	0.5048		ug/L		101	34 - 111	3	40
Heptachlor epoxide	0.500	0.5216		ug/L		104	37 - 142	2	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	60		10 - 130
Tetrachloro-m-xylene	88		43 - 130

Lab Sample ID: LCSD 400-240154/5-A
Matrix: Water
Analysis Batch: 240406

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 240154

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	5.00	5.265		ug/L		105	50 - 114	4	40
PCB-1260	5.00	6.381	J3	ug/L		128	8 - 127	2	40

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 680-363654/2
Matrix: Water
Analysis Batch: 363654

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.200	U	0.500	0.200	mg/L			12/17/14 10:30	1

Lab Sample ID: LCS 680-363654/3
Matrix: Water
Analysis Batch: 363654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.50		mg/L		105	90 - 110

Lab Sample ID: LCSD 680-363654/4
Matrix: Water
Analysis Batch: 363654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromide	10.0	10.51		mg/L		105	90 - 110	0	30

Lab Sample ID: 660-64385-F-3 MS
Matrix: Water
Analysis Batch: 363654

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	4.24	I	200	209.1		mg/L		102	80 - 120

Lab Sample ID: 660-64385-F-3 MSD
Matrix: Water
Analysis Batch: 363654

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromide	4.24	I	200	210.9		mg/L		103	80 - 120	1	30

Lab Sample ID: MB 680-363831/27
Matrix: Water
Analysis Batch: 363831

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.200	U	0.500	0.200	mg/L			12/17/14 20:02	1

Lab Sample ID: LCS 680-363831/39
Matrix: Water
Analysis Batch: 363831

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	10.0	10.54		mg/L		105	90 - 110

Lab Sample ID: LCSD 680-363831/40
Matrix: Water
Analysis Batch: 363831

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromide	10.0	10.56		mg/L		106	90 - 110	0	30

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Lab Sample ID: 680-108183-E-4 MS
Matrix: Water
Analysis Batch: 363831

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	0.200	U	10.0	10.60		mg/L		106	80 - 120

Lab Sample ID: 680-108183-E-4 MSD
Matrix: Water
Analysis Batch: 363831

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromide	0.200	U	10.0	10.64		mg/L		106	80 - 120	0	30

Lab Sample ID: 680-108129-D-31 DU
Matrix: Water
Analysis Batch: 363831

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Bromide	0.200	U	0.200	U	mg/L		NC	30

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 400-239975/1-A
Matrix: Water
Analysis Batch: 240051

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239975

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000500	0.000200	ug/L		12/15/14 08:34	12/15/14 08:56	1

Lab Sample ID: LCS 400-239975/2-A
Matrix: Water
Analysis Batch: 240051

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00500	0.004830		ug/L		97	79 - 121

Lab Sample ID: LCSD 400-239975/3-A
Matrix: Water
Analysis Batch: 240051

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 239975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00500	0.004960		ug/L		99	79 - 121	3	20

Lab Sample ID: 400-99498-D-2-B MS
Matrix: Water
Analysis Batch: 240051

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 239975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000804		0.00250	0.003250		ug/L		98	71 - 125

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 1631E - Mercury, Low Level (CVAFS) (Continued)

Lab Sample ID: 400-99498-D-2-C MSD

Matrix: Water

Analysis Batch: 240051

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 239975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000804		0.00250	0.003370		ug/L		103	71 - 125	4	24

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 400-239777/1-A

Matrix: Water

Analysis Batch: 240491

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 239777

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0400	U	0.100	0.0400	mg/L		12/12/14 11:47	12/17/14 19:12	1
Arsenic	0.00400	U	0.00500	0.00400	mg/L		12/12/14 11:47	12/17/14 19:12	1
Barium	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 19:12	1
Beryllium	0.00100	U	0.00300	0.00100	mg/L		12/12/14 11:47	12/17/14 19:12	1
Boron	0.0150	U	0.100	0.0150	mg/L		12/12/14 11:47	12/17/14 19:12	1
Cadmium	0.00100	U	0.00500	0.00100	mg/L		12/12/14 11:47	12/17/14 19:12	1
Chromium	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 19:12	1
Cobalt	0.00300	U	0.0100	0.00300	mg/L		12/12/14 11:47	12/17/14 19:12	1
Copper	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 19:12	1
Iron	0.0500	U	0.100	0.0500	mg/L		12/12/14 11:47	12/17/14 19:12	1
Lead	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 19:12	1
Magnesium	0.03639	I	0.500	0.0300	mg/L		12/12/14 11:47	12/17/14 19:12	1
Manganese	0.00100	U	0.0100	0.00100	mg/L		12/12/14 11:47	12/17/14 19:12	1
Molybdenum	0.00200	U	0.0100	0.00200	mg/L		12/12/14 11:47	12/17/14 19:12	1
Nickel	0.00300	U	0.00500	0.00300	mg/L		12/12/14 11:47	12/17/14 19:12	1
Selenium	0.00400	U	0.0100	0.00400	mg/L		12/12/14 11:47	12/17/14 19:12	1
Silver	0.00200	U	0.00500	0.00200	mg/L		12/12/14 11:47	12/17/14 19:12	1
Tin	0.00500	U	0.0100	0.00500	mg/L		12/12/14 11:47	12/17/14 19:12	1
Titanium	0.00150	U	0.00500	0.00150	mg/L		12/12/14 11:47	12/17/14 19:12	1
Zinc	0.00800	U	0.0200	0.00800	mg/L		12/12/14 11:47	12/17/14 19:12	1

Lab Sample ID: LCS 400-239777/2-A

Matrix: Water

Analysis Batch: 240491

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 239777

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	9.997		mg/L		100	85 - 115
Arsenic	1.00	1.046		mg/L		105	85 - 115
Barium	1.00	1.006		mg/L		101	85 - 115
Beryllium	0.500	0.4994		mg/L		100	85 - 115
Boron	1.00	1.071		mg/L		107	85 - 115
Cadmium	0.500	0.5084		mg/L		102	85 - 115
Chromium	1.00	0.9977		mg/L		100	85 - 115
Cobalt	1.00	0.9940		mg/L		99	85 - 115
Copper	1.00	0.9946		mg/L		99	85 - 115
Iron	10.0	10.04		mg/L		100	85 - 115
Lead	1.00	1.014		mg/L		101	85 - 115
Magnesium	10.0	9.925		mg/L		99	85 - 115
Manganese	1.00	1.005		mg/L		101	85 - 115

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 400-239777/2-A				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total Recoverable			
Analysis Batch: 240491				Prep Batch: 239777			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Molybdenum	1.00	1.003		mg/L		100	85 - 115
Nickel	1.00	0.9905		mg/L		99	85 - 115
Selenium	1.00	1.067		mg/L		107	85 - 115
Silver	0.500	0.5034		mg/L		101	85 - 115
Tin	1.00	0.9790		mg/L		98	85 - 115
Titanium	1.00	0.9762		mg/L		98	85 - 115
Zinc	1.00	1.030		mg/L		103	85 - 115

Lab Sample ID: 490-68000-A-1-B MS						Client Sample ID: Matrix Spike				
Matrix: Water						Prep Type: Total Recoverable				
Analysis Batch: 240491						Prep Batch: 239777				
	Sample	Sample	Spike	MS	MS			%Rec.		
Analyte	Result	Qualifler	Added	Result	Qualifler	Unit	D	%Rec	Limits	
Aluminum	0.0410	I	10.0	9.971		mg/L		99	70 - 130	
Arsenic	0.00400	U	1.00	1.020		mg/L		102	70 - 130	
Barium	0.00451	I	1.00	1.001		mg/L		100	70 - 130	
Beryllium	0.00100	U	0.500	0.4954		mg/L		99	70 - 130	
Boron	0.0207	I	1.00	1.051		mg/L		103	70 - 130	
Cadmium	0.00100	U	0.500	0.4939		mg/L		99	70 - 130	
Chromium	0.00200	U	1.00	0.9702		mg/L		97	70 - 130	
Cobalt	0.00300	U	1.00	0.9721		mg/L		97	70 - 130	
Copper	0.00354	I	1.00	1.006		mg/L		100	70 - 130	
Iron	0.0500	U	10.0	9.835		mg/L		98	70 - 130	
Lead	0.00200	U	1.00	0.9921		mg/L		99	70 - 130	
Magnesium	0.787		10.0	10.47		mg/L		97	70 - 130	
Manganese	0.00924	I	1.00	0.9931		mg/L		98	70 - 130	
Molybdenum	0.00200	U	1.00	0.9831		mg/L		98	70 - 130	
Nickel	0.00300	U	1.00	0.9681		mg/L		97	70 - 130	
Selenium	0.00400	U	1.00	1.020		mg/L		102	70 - 130	
Silver	0.00200	U	0.500	0.4940		mg/L		99	70 - 130	
Tin	0.00500	U	1.00	0.9624		mg/L		96	70 - 130	
Titanium	0.00150	U	1.00	0.9683		mg/L		97	70 - 130	
Zinc	0.0430		1.00	1.036		mg/L		99	70 - 130	

Lab Sample ID: 490-68000-A-1-C MSD						Client Sample ID: Matrix Spike Duplicate					
Matrix: Water						Prep Type: Total Recoverable					
Analysis Batch: 240491						Prep Batch: 239777					
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualiflier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	0.0410	I	10.0	9.941		mg/L		99	70 - 130	0	20
Arsenic	0.00400	U	1.00	1.006		mg/L		101	70 - 130	1	20
Barium	0.00451	I	1.00	1.009		mg/L		100	70 - 130	1	20
Beryllium	0.00100	U	0.500	0.4932		mg/L		99	70 - 130	0	20
Boron	0.0207	I	1.00	1.037		mg/L		102	70 - 130	1	20
Cadmium	0.00100	U	0.500	0.4895		mg/L		98	70 - 130	1	20
Chromium	0.00200	U	1.00	0.9841		mg/L		98	70 - 130	1	20
Cobalt	0.00300	U	1.00	0.9682		mg/L		97	70 - 130	0	20
Copper	0.00354	I	1.00	1.029		mg/L		103	70 - 130	2	20
Iron	0.0500	U	10.0	9.793		mg/L		98	70 - 130	0	20

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 490-68000-A-1-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total Recoverable							
Analysis Batch: 240491				Prep Batch: 239777							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.00200	U	1.00	0.9869		mg/L		99	70 - 130	1	20
Magnesium	0.787		10.0	10.50		mg/L		97	70 - 130	0	20
Manganese	0.00924	I	1.00	0.9925		mg/L		98	70 - 130	0	20
Molybdenum	0.00200	U	1.00	0.9823		mg/L		98	70 - 130	0	20
Nickel	0.00300	U	1.00	0.9605		mg/L		96	70 - 130	1	20
Selenium	0.00400	U	1.00	1.002		mg/L		100	70 - 130	2	20
Silver	0.00200	U	0.500	0.5008		mg/L		100	70 - 130	1	20
Tin	0.00500	U	1.00	0.9642		mg/L		96	70 - 130	0	20
Titanium	0.00150	U	1.00	0.9725		mg/L		97	70 - 130	0	20
Zinc	0.0430		1.00	1.029		mg/L		99	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 680-363360/1-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total Recoverable		
Analysis Batch: 363793							Prep Batch: 363360		
	MB	MB							
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Antimony	0.00230	U	0.00500	0.00230	mg/L		12/16/14 08:30	12/17/14 18:16	1
Thallium	0.000500	U	0.00100	0.000500	mg/L		12/16/14 08:30	12/17/14 18:16	1

Lab Sample ID: LCS 680-363360/2-A					Client Sample ID: Lab Control Sample				
Matrix: Water					Prep Type: Total Recoverable				
Analysis Batch: 363793					Prep Batch: 363360				
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
	Added	Result	Qualifier				Limits		
Antimony	0.0500	0.05130		mg/L		103	85 - 115		
Thallium	0.0400	0.03984		mg/L		100	85 - 115		

Lab Sample ID: 400-99493-7 MS							Client Sample ID: EQ GRAB			
Matrix: Water							Prep Type: Total Recoverable			
Analysis Batch: 363793							Prep Batch: 363360			
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Antimony	0.00230	U	0.0500	0.04816		mg/L		96	70 - 130	
Thallium	0.000500	U	0.0400	0.03750		mg/L		94	70 - 130	

Lab Sample ID: 400-99493-7 MSD				Client Sample ID: EQ GRAB							
Matrix: Water				Prep Type: Total Recoverable							
Analysis Batch: 363793				Prep Batch: 363360							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.00230	U	0.0500	0.05025		mg/L		101	70 - 130	4	20
Thallium	0.000500	U	0.0400	0.03997		mg/L		100	70 - 130	6	20

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 400-239127/14-A
Matrix: Water
Analysis Batch: 239832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 239127

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
Mercury	0.0000700	U	0.000200	0.0000700	mg/L		12/08/14 08:45	12/12/14 14:25	1

Lab Sample ID: LCS 400-239127/15-A
Matrix: Water
Analysis Batch: 239832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 239127

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
		Result	Qualifier					
Mercury	0.00100	0.0009497		mg/L		95	85 - 115	

Lab Sample ID: 400-99199-O-1-F MS
Matrix: Water
Analysis Batch: 239832

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 239127

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
	Result	Qualifier		Result	Qualifier					
Mercury	0.0000700	U	0.00200	0.001685		mg/L		84	70 - 130	

Lab Sample ID: 400-99199-O-1-G MSD
Matrix: Water
Analysis Batch: 239832

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 239127

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifler	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.0000700	U	0.00200	0.001972		mg/L		99	70 - 130	16	20

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 400-240302/1-A
Matrix: Water
Analysis Batch: 240390

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240302

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
HEM (Oil & Grease)	2.20	U	4.00	2.20	mg/L		12/17/14 07:24	12/17/14 12:32	1

Lab Sample ID: LCS 400-240302/2-A
Matrix: Water
Analysis Batch: 240390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240302

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
		Result	Qualifier					
HEM (Oil & Grease)	40.0	37.50		mg/L		94	78 - 114	

Lab Sample ID: 400-99478-A-1-A MS
Matrix: Water
Analysis Batch: 240390

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 240302

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits	
	Result	Qualifier		Result	Qualifier					
HEM (Oil & Grease)	17.6		40.8	63.88		mg/L		113	78 - 114	

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 1664A - HEM and SGT-HEM (Continued)

Lab Sample ID: 400-99478-B-1-A MSD

Matrix: Water

Analysis Batch: 240390

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 240302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM (Oil & Grease)	17.6		41.2	58.97		mg/L		100	78 - 114	8	18

Lab Sample ID: MB 400-240490/1-A

Matrix: Water

Analysis Batch: 240573

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 240490

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
HEM (Oil & Grease)	2.20	U	4.00	2.20	mg/L		12/18/14 07:57	12/18/14 13:11	1

Lab Sample ID: LCS 400-240490/2-A

Matrix: Water

Analysis Batch: 240573

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 240490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	40.0	34.90		mg/L		87	78 - 114

Lab Sample ID: 400-99597-A-1-A MS

Matrix: Water

Analysis Batch: 240573

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 240490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM (Oil & Grease)	4.35	I	47.1	40.94		mg/L		78	78 - 114

Lab Sample ID: 400-99597-B-1-A MSD

Matrix: Water

Analysis Batch: 240573

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 240490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM (Oil & Grease)	4.35	I	47.1	42.24		mg/L		80	78 - 114	3	18

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 400-239735/1-A

Matrix: Water

Analysis Batch: 240211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 239735

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Nitrogen, Kjeldahl	0.260	U	0.500	0.260	mg/L		12/12/14 09:06	12/16/14 12:03	1

Lab Sample ID: LCS 400-239735/2-A

Matrix: Water

Analysis Batch: 240211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Kjeldahl	10.0	9.890		mg/L		99	90 - 110

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 400-99440-D-2-B MS										Client Sample ID: Matrix Spike				
Matrix: Water										Prep Type: Total/NA				
Analysis Batch: 240211										Prep Batch: 239735				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits					
Nitrogen, Kjeldahl	0.324	I	4.00	3.680	J3	mg/L		84	90 - 110					

Lab Sample ID: 400-99440-D-2-C MSD										Client Sample ID: Matrix Spike Duplicate				
Matrix: Water										Prep Type: Total/NA				
Analysis Batch: 240211										Prep Batch: 239735				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit			
Nitrogen, Kjeldahl	0.324	I	4.00	3.910		mg/L		90	90 - 110	6	22			

Lab Sample ID: MRL 400-240211/11										Client Sample ID: Lab Control Sample				
Matrix: Water										Prep Type: Total/NA				
Analysis Batch: 240211														
Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits					
Nitrogen, Kjeldahl			0.500	0.5140		mg/L		103	50 - 150					

Method: 365.4 - Phosphorus, Total

Lab Sample ID: MB 400-239736/1-A										Client Sample ID: Method Blank				
Matrix: Water										Prep Type: Total/NA				
Analysis Batch: 240118										Prep Batch: 239736				
Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac					
Phosphorus, Total	0.0300	U	0.100	0.0300	mg/L		12/12/14 09:08	12/15/14 15:34	1					

Lab Sample ID: LCS 400-239736/2-A										Client Sample ID: Lab Control Sample				
Matrix: Water										Prep Type: Total/NA				
Analysis Batch: 240118										Prep Batch: 239736				
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits					
Phosphorus, Total			2.60	2.310		mg/L		89	75 - 113					

Lab Sample ID: 400-99440-D-2-E MS										Client Sample ID: Matrix Spike				
Matrix: Water										Prep Type: Total/NA				
Analysis Batch: 240118										Prep Batch: 239736				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits					
Phosphorus, Total	9.04		0.400	10.64	J3	mg/L		400	72 - 120					

Lab Sample ID: 400-99440-D-2-F MSD										Client Sample ID: Matrix Spike Duplicate				
Matrix: Water										Prep Type: Total/NA				
Analysis Batch: 240118										Prep Batch: 239736				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit			
Phosphorus, Total	9.04		0.400	10.54	J3	mg/L		375	72 - 120	1	27			

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 365.4 - Phosphorus, Total (Continued)

Lab Sample ID: MRL 400-240118/13				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240118							
Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus, Total	0.100	0.1110		mg/L		111	50 - 150

Method: 420.1 - Phenolics, Total Recoverable

Lab Sample ID: MB 400-240371/1-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 240399							Prep Batch: 240371		
	MB	MB							
Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	0.00450	U	0.0100	0.00450	mg/L		12/17/14 10:50	12/17/14 13:20	1

Lab Sample ID: LCS 400-240371/2-A				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240399				Prep Batch: 240371			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenols, Total	0.0500	0.04044		mg/L		81	79 - 122

Lab Sample ID: 400-99417-B-2-B MS								Client Sample ID: Matrix Spike		
Matrix: Water								Prep Type: Total/NA		
Analysis Batch: 240399								Prep Batch: 240371		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec.	Limits
				Result	Qualifier					
Phenols, Total	0.00450	U	0.0200	0.02169		mg/L		108	57 - 136	

Lab Sample ID: 400-99417-B-2-C MSD							Client Sample ID: Matrix Spike Duplicate				
Matrix: Water							Prep Type: Total/NA				
Analysis Batch: 240399							Prep Batch: 240371				
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
Phenols, Total	0.00450	U	0.0200	0.02123		mg/L		106	57 - 136	2	20

Method: 4500 NH3 H - Ammonia

Lab Sample ID: MB 400-240408/67							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 240408									
Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ammonia	0.0160	U	0.0500	0.0160	mg/L			12/17/14 13:40	1

Lab Sample ID: LCS 400-240408/68				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240408							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.00	2.024		mg/L		101	90 - 110

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: 4500 NH3 H - Ammonia (Continued)

Lab Sample ID: MRL 400-240408/14
Matrix: Water
Analysis Batch: 240408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.0500	0.04090	I	mg/L		82	50 - 150

Lab Sample ID: 400-99646-F-1 MS
Matrix: Water
Analysis Batch: 240408

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.0436	I	1.00	0.8532	J3	mg/L		81	90 - 110

Lab Sample ID: 400-99646-F-1 MSD
Matrix: Water
Analysis Batch: 240408

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.0436	I	1.00	0.8362	J3	mg/L		79	90 - 110	2	11

Lab Sample ID: 400-99700-A-3 MS
Matrix: Water
Analysis Batch: 240408

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.429		1.00	1.181	J3	mg/L		75	90 - 110

Lab Sample ID: 400-99700-A-3 MSD
Matrix: Water
Analysis Batch: 240408

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.429		1.00	1.168	J3	mg/L		74	90 - 110	1	11

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 400-240147/1
Matrix: Water
Analysis Batch: 240147

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color	1.50	U	5.00	1.50	Color Units			12/10/14 16:20	1

Lab Sample ID: 400-99448-B-1 DU
Matrix: Water
Analysis Batch: 240147

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Color	5.10		5.200		Color Units		2	6

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 400-239619/1
Matrix: Water
Analysis Batch: 239619

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.20	U	5.00	3.20	mg/L			12/11/14 12:44	1

Lab Sample ID: LCS 400-239619/2
Matrix: Water
Analysis Batch: 239619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	300	311.0		mg/L		104	82 - 118

Lab Sample ID: 400-99406-A-1 DU
Matrix: Water
Analysis Batch: 239619

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	183		207.5	J3	mg/L		13	5

Lab Sample ID: MB 400-239663/1
Matrix: Water
Analysis Batch: 239663

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.20	U	5.00	3.20	mg/L			12/11/14 16:25	1

Lab Sample ID: LCS 400-239663/2
Matrix: Water
Analysis Batch: 239663

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	300	303.0		mg/L		101	82 - 118

Lab Sample ID: 400-99479-A-1 DU
Matrix: Water
Analysis Batch: 239663

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	213		207.5		mg/L		2	5

Method: SM 4500 CN E - Cyanide, Total

Lab Sample ID: MB 400-240414/1-A
Matrix: Water
Analysis Batch: 240453

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240414

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00500	U	0.00500	0.00500	mg/L		12/17/14 09:45	12/17/14 14:19	1

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 4500 CN E - Cyanide, Total (Continued)

Lab Sample ID: LCS 400-240414/2-A						Client Sample ID: Lab Control Sample				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 240453						Prep Batch: 240414				
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Cyanide, Total			0.318	0.3151		mg/L		99	75 - 125	

Lab Sample ID: 400-99656-G-1-B MS						Client Sample ID: Matrix Spike				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 240453						Prep Batch: 240414				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Cyanide, Total	0.00500	U	0.200	0.1281	J3	mg/L		64	68 - 133	

Lab Sample ID: 400-99656-G-1-C MSD						Client Sample ID: Matrix Spike Duplicate					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 240453						Prep Batch: 240414					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.00500	U	0.200	0.1240	J3	mg/L		62	68 - 133	3	36

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 400-239629/3							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 239629										
Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Fluoride	0.0240	U	0.100	0.0240	mg/L			12/11/14 10:41	1	
Lab Sample ID: LCS 400-239629/4							Client Sample ID: Lab Control Sample			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 239629										
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Fluoride			4.00	4.020		mg/L		101	90 - 110	
Lab Sample ID: 400-99448-D-1 MS							Client Sample ID: Matrix Spike			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 239629										
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Fluoride	0.0240	U	1.00	1.040		mg/L		104	74 - 125	
Lab Sample ID: 400-99448-D-1 MSD							Client Sample ID: Matrix Spike Duplicate			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 239629										
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD
Fluoride	0.0240	U	1.00	1.020		mg/L		102	74 - 125	2

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 400-99232-A-6 DU				Client Sample ID: Duplicate			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 239629							
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD Limit
Fluoride	0.720		0.7100		mg/L		1 4

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 400-240298/40				Client Sample ID: Method Blank			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240298							
Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared Analyzed Dil Fac
Nitrate Nitrite as N	0.0180	U	0.0500	0.0180	mg/L		12/16/14 18:32 1

Lab Sample ID: MB 400-240298/7				Client Sample ID: Method Blank			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240298							
Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared Analyzed Dil Fac
Nitrate Nitrite as N	0.0180	U	0.0500	0.0180	mg/L		12/16/14 17:48 1

Lab Sample ID: LCS 400-240298/41				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240298							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.500	0.4761		mg/L		95	90 - 110

Lab Sample ID: LCS 400-240298/8				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240298							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.500	0.4653		mg/L		93	90 - 110

Lab Sample ID: MRL 400-240298/5				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240298							
Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.0500	0.03080	I	mg/L		62	50 - 150

Lab Sample ID: 400-99493-7 MS				Client Sample ID: EQ GRAB			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 240298							
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D %Rec %Rec. Limits
Nitrate Nitrite as N	0.0180	U	0.500	0.4756		mg/L	95 90 - 110

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 4500 NO3 F - Nitrogen, Nitrate (Continued)

Lab Sample ID: 400-99493-7 MSD

Matrix: Water

Analysis Batch: 240298

Client Sample ID: EQ GRAB

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.0180	U	0.500	0.4794		mg/L		96	90 - 110	1	4

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 680-362804/1

Matrix: Water

Analysis Batch: 362804

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	1.00	U	1.00	1.00	mg/L			12/11/14 12:29	1
Sulfide as H2S	1.10	U	1.10	1.10	mg/L			12/11/14 12:29	1

Lab Sample ID: LCS 680-362804/2

Matrix: Water

Analysis Batch: 362804

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	9.99	10.09		mg/L		101	75 - 125
Sulfide as H2S	9.99	10.72		mg/L		107	75 - 125

Lab Sample ID: 680-108079-M-2 MS

Matrix: Water

Analysis Batch: 362804

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	1.27		9.99	10.80		mg/L		95	75 - 125
Sulfide as H2S	1.35		9.99	11.48		mg/L		101	75 - 125

Lab Sample ID: 680-108079-M-2 MSD

Matrix: Water

Analysis Batch: 362804

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	1.27		9.99	10.96		mg/L		97	75 - 125	1	30
Sulfide as H2S	1.35		9.99	11.65		mg/L		103	75 - 125	1	30

Lab Sample ID: 680-108087-B-1 DU

Matrix: Water

Analysis Batch: 362804

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	5.16		5.163		mg/L		0	30
Sulfide as H2S	5.49		5.486		mg/L		0	30

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 4500 SO3 B - Sulfite

Lab Sample ID: MB 680-364211/1

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 364211

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfite	5.00	U	5.00	5.00	mg/L			12/19/14 14:00	1

Lab Sample ID: LCS 680-364211/2

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 364211

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfite	129	129.5		mg/L		101	70 - 130

Lab Sample ID: 400-99493-7 MS

Client Sample ID: EQ GRAB

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 364211

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfite	5.00	U Q	129	106.7		mg/L		83	70 - 130

Lab Sample ID: 400-99493-7 MSD

Client Sample ID: EQ GRAB

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 364211

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfite	5.00	U Q	129	107.8		mg/L		84	70 - 130	1	30

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 400-240715/56

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 240715

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate, Dissolved	1.40	U	5.00	1.40	mg/L			12/19/14 11:51	1

Lab Sample ID: MB 400-240715/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 240715

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate, Dissolved	1.40	U	5.00	1.40	mg/L			12/19/14 09:21	1

Lab Sample ID: LCS 400-240715/57

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 240715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate, Dissolved	15.0	14.53		mg/L		97	90 - 110

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: LCS 400-240715/7

Matrix: Water

Analysis Batch: 240715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate, Dissolved	15.0	14.39		mg/L		96	90 - 110

Lab Sample ID: MRL 400-240715/3

Matrix: Water

Analysis Batch: 240715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate, Dissolved	5.00	4.062	I	mg/L		81	50 - 150

Lab Sample ID: 400-99552-E-1 MS

Matrix: Water

Analysis Batch: 240715

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate, Dissolved	26.3		10.0	34.56		mg/L		82	77 - 128

Lab Sample ID: 400-99552-E-1 MSD

Matrix: Water

Analysis Batch: 240715

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate, Dissolved	26.3		10.0	32.87	J3	mg/L		65	77 - 128	5	5

Lab Sample ID: 400-99557-F-1 MS

Matrix: Water

Analysis Batch: 240715

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate, Dissolved	1.40	U	10.0	12.98	J3	mg/L		130	77 - 128

Lab Sample ID: 400-99557-F-1 MSD

Matrix: Water

Analysis Batch: 240715

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate, Dissolved	1.40	U	10.0	12.65		mg/L		127	77 - 128	3	5

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 400-239467/1

Matrix: Water

Analysis Batch: 239467

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Biochemical Oxygen Demand	2.00	U	2.00	2.00	mg/L			12/10/14 15:29	1

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: LCS 400-239467/2
Matrix: Water
Analysis Batch: 239467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	180.0		mg/L		91	85 - 115

Lab Sample ID: 400-99440-A-1 DU
Matrix: Water
Analysis Batch: 239467

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	429		405.0		mg/L		6	27

Lab Sample ID: USB 400-239637/1
Matrix: Water
Analysis Batch: 239637

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.00	U	2.00	2.00	mg/L			12/11/14 15:14	1

Lab Sample ID: LCS 400-239637/2
Matrix: Water
Analysis Batch: 239637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	173.0		mg/L		87	85 - 115

Lab Sample ID: 400-99519-A-2 DU
Matrix: Water
Analysis Batch: 239637

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	22.9		25.10		mg/L		9	27

Method: SM 5220D - COD

Lab Sample ID: MB 400-240749/5
Matrix: Water
Analysis Batch: 240749

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	6.40	U	10.0	6.40	mg/L			12/19/14 14:42	1

Lab Sample ID: LCS 400-240749/6
Matrix: Water
Analysis Batch: 240749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	50.0	54.11		mg/L		108	90 - 110

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 5220D - COD (Continued)

Lab Sample ID: 400-99378-A-1 MS

Matrix: Water

Analysis Batch: 240749

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	12.3		75.0	98.11	J3	mg/L		114	90 - 110

Lab Sample ID: 400-99378-A-1 MSD

Matrix: Water

Analysis Batch: 240749

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	12.3		75.0	92.72		mg/L		107	90 - 110	6	13

Lab Sample ID: 400-99537-I-1 MS

Matrix: Water

Analysis Batch: 240749

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	56.5		75.0	136.5		mg/L		107	90 - 110

Lab Sample ID: 400-99537-I-1 MSD

Matrix: Water

Analysis Batch: 240749

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	56.5		75.0	135.8		mg/L		106	90 - 110	0	13

Lab Sample ID: MB 400-240750/5

Matrix: Water

Analysis Batch: 240750

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	6.40	U	10.0	6.40	mg/L			12/19/14 14:46	1

Lab Sample ID: LCS 400-240750/6

Matrix: Water

Analysis Batch: 240750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	50.0	53.44		mg/L		107	90 - 110

Lab Sample ID: 400-99493-4 MS

Matrix: Water

Analysis Batch: 240750

Client Sample ID: D001 COMPOSITE

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	18.1		75.0	86.66		mg/L		91	90 - 110

Lab Sample ID: 400-99493-4 MSD

Matrix: Water

Analysis Batch: 240750

Client Sample ID: D001 COMPOSITE

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	18.1		75.0	89.35		mg/L		95	90 - 110	3	13

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Lab Sample ID: 640-50006-B-3 MS
Matrix: Water
Analysis Batch: 240750

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	18.7		75.0	91.37		mg/L		97	90 - 110

Lab Sample ID: 640-50006-B-3 MSD
Matrix: Water
Analysis Batch: 240750

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	18.7		75.0	83.96	J3	mg/L		87	90 - 110	8	13

Method: SM 5310B - Organic Carbon, Total (TOC)

Lab Sample ID: MB 400-239835/2
Matrix: Water
Analysis Batch: 239835

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Total Organic Carbon	0.500	U	1.00	0.500	mg/L			12/12/14 14:39	1

Lab Sample ID: LCS 400-239835/5
Matrix: Water
Analysis Batch: 239835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	10.0	10.23		mg/L		102	80 - 120

Lab Sample ID: MRL 400-239835/3
Matrix: Water
Analysis Batch: 239835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.00	1.100		mg/L		110	50 - 150

Lab Sample ID: 400-99493-2 MS
Matrix: Water
Analysis Batch: 239835

Client Sample ID: I012 COMPOSITE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	2.37		5.00	6.962		mg/L		92	76 - 117

Lab Sample ID: 400-99493-2 MSD
Matrix: Water
Analysis Batch: 239835

Client Sample ID: I012 COMPOSITE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	2.37		5.00	6.869		mg/L		90	76 - 117	1	16

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 5310B - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 400-240335/5
Matrix: Water
Analysis Batch: 240335

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Total Organic Carbon	0.500	U	1.00	0.500	mg/L			12/16/14 18:05	1

Lab Sample ID: LCS 400-240335/6
Matrix: Water
Analysis Batch: 240335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	10.0	10.37		mg/L		104	80 - 120

Lab Sample ID: MRL 400-240335/3
Matrix: Water
Analysis Batch: 240335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.00	0.8058	I	mg/L		81	50 - 150

Lab Sample ID: 400-99537-F-1 MS
Matrix: Water
Analysis Batch: 240335

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	11.9		5.00	16.96		mg/L		102	76 - 117

Lab Sample ID: 400-99537-F-1 MSD
Matrix: Water
Analysis Batch: 240335

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	11.9		5.00	16.76		mg/L		98	76 - 117	1	16

Method: SM 5540C - Methylene Blue Active Substances (MBAS)

Lab Sample ID: MB 680-362694/3
Matrix: Water
Analysis Batch: 362694

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Methylene Blue Active Substances	0.120	U	0.200	0.120	mg/l LAS MW 340			12/11/14 09:49	1

Lab Sample ID: LCS 680-362694/4
Matrix: Water
Analysis Batch: 362694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Blue Active Substances	0.500	0.5498		mg/l LAS MW 340		110	70 - 130

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Method: SM 5540C - Methylene Blue Active Substances (MBAS) (Continued)

Lab Sample ID: 500-89169-H-3 MS							Client Sample ID: Matrix Spike		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 362694									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Blue Active Substances	5.73		10.0	18.01		mg/l LAS MW 340		123	70 - 130

Lab Sample ID: 500-89169-H-3 MSD						Client Sample ID: Matrix Spike Duplicate					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 362694											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Blue Active Substances	5.73		10.0	16.99		mg/l LAS MW 340		113	70 - 130	6	15

Method: SM 9222D - Coliforms, Fecal (Membrane Filter)

Lab Sample ID: MB 400-239693/1							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 239693									
Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Coliform, Fecal	1.00	U	1.00	1.00	CFU/100mL			12/10/14 14:00	1

Lab Sample ID: 400-99474-B-1 DU							Client Sample ID: Duplicate		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 239693									
Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD	Limit
	Result	Qualifier	Result	Qualifier					
Coliform, Fecal	1.00	U	1.00	U	CFU/100mL			NC	

TestAmerica Pensacola

Chain of Custody Record

THE LEADER ———— SPECIAL TESTING

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12/29/2014

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-99493-1

SDG Number: Plant Scholz

Login Number: 99493

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	1.5°C, 1.0°C, 0.7°C, 4.7°C IR6
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	
There are no discrepancies between the containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Certification Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-15
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-15
Florida	NELAP	4	E81010	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200041	10-09-15
Iowa	State Program	7	367	07-31-14 *
Kansas	NELAP	7	E-10253	01-31-15
Kentucky (UST)	State Program	4	53	06-30-15
Kentucky (VW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-15
Maryland	State Program	3	233	09-30-15
Massachusetts	State Program	1	M-FL094	06-30-15
Michigan	State Program	5	9912	06-30-15
New Jersey	NELAP	2	FL006	06-30-15
North Carolina (VW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-15
Pennsylvania	NELAP	3	68-00467	01-31-15
Rhode Island	State Program	1	LAO00307	12-30-14
South Carolina	State Program	4	96026	06-30-15
Tennessee	State Program	4	TN02907	06-30-15
Texas	NELAP	6	T104704286-12-5	09-30-15
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-15
West Virginia DEP	State Program	3	136	06-30-15

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-15
A2LA	ISO/IEC 17025		399.01	02-28-15
Alabama	State Program	4	41450	06-30-15
Arkansas DEQ	State Program	6	88-0692	01-31-15
California	NELAP	9	3217CA	07-31-14 *
Colorado	State Program	8	N/A	12-31-14 *
Connecticut	State Program	1	PH-0161	03-31-15
Florida	NELAP	4	E87052	06-30-15
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-15
Georgia	State Program	4	803	06-30-15
Guam	State Program	9	09-005r	04-16-15
Hawaii	State Program	9	N/A	06-30-15
Illinois	NELAP	5	200022	11-30-14 *
Indiana	State Program	5	N/A	06-30-15
Iowa	State Program	7	353	07-01-15
Kentucky (DW)	State Program	4	90084	12-31-14 *
Kentucky (UST)	State Program	4	18	06-30-15
Louisiana	NELAP	6	30690	06-30-15

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola

Certification Summary

Client: Gulf Power Company
Project/Site: Form 2C

TestAmerica Job ID: 400-99493-1
SDG: Plant Scholz

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Louisiana (DW)	NELAP	6	LA140023	12-31-14 *
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-14 *
Massachusetts	State Program	1	M-GA006	06-30-15
Michigan	State Program	5	9925	06-30-15
Mississippi	State Program	4	N/A	06-30-15
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15
New Jersey	NELAP	2	GA769	06-30-15
New Mexico	State Program	6	N/A	06-30-15
New York	NELAP	2	10842	03-31-15
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-15
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15
Puerto Rico	State Program	2	GA00006	12-31-14 *
South Carolina	State Program	4	98001	06-30-15
Tennessee	State Program	4	TN02961	06-30-15
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-15
Washington	State Program	10	C805	06-10-15
West Virginia (DW)	State Program	3	9950C	12-31-14 *
West Virginia DEP	State Program	3	094	06-30-15
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola



KNL Laboratory Services, Inc.
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Ph: (813) 229-2879 Fax: (813) 229-0002

**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format**

RADIONUCLIDES

62-550.310(6)

Client ID: TA Pensacola 400-99493-2

KNL Report Number/Job ID: 14.10165

PWS ID(From Page 1):

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier *	Analytical Method	Lab MDL	RDL	Analysis Error	Analysis Date	Analysis Time	DOH Lab Certification #
4002	Gross Alpha (incl Uranium)	15 ***	pCi/L	3.9		EPA 900.0	2.8	3	1.9	12-13-14	0800	E84025
	Gross Beta		pCi/L	7.3		EPA 900.0	3.1		1.9	12-13-14	0800	E84025
4020	Total Radium	5	pCi/L	0.8		EPA 903.0	0.3	1	0.3	12-16-14	1100	E84025
4020	Radium-226		pCi/L	0.2		EPA 903.1	0.2	1	0.09	12-19-14	1140	E84025

Reporting Format 62-550.730

Effective January 1995, Revised February 2010.

- * Qualifier Codes: U = indicates that the compound was analyzed for but not detected.
I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.
- ** If the result exceeds 5 pCi/L, a measurement for radium-226 is required. Uranium is reported separately under Contam ID 4006.
- *** If the results exceed 5 pCi/L, a measurement for radium-226 is required. If the results exceed 15 pCi/L, a measurement for Combined Uranium must be reported separately. The DEP/DOH will subtract the U value from the Gross Alpha (ID 4002) to determine compliance with MCL for Gross Alpha (Excl.U) of 15 pCi/L. If the result for ID 4002 Gross Alpha (incl.Uranium) does not exceed 15 pCi/L, Combined Uranium need not be measured nor reported.
- **** If using Uranium testing methods ASTM D5174 or EPA 200.8 only, then Analysis Error need not be reported.

Page of

Test results meet all requirements of the NELAC standards. Contact person: Jim Hayes (813) 229-2879.

Approved by:

James W. Hayes

James W. Hayes
Laboratory Director

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**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format**

RADIONUCLIDES

62-550.310(6)

Client ID: TA Pensacola 400-99493-4

KNL Report Number/Job ID: 14.10166

PWS ID(From Page 1):

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier *	Analytical Method	Lab MDL	RDL	Analysis Error	Analysis Date	Analysis Time	DOH Lab Certification #
4002	Gross Alpha (incl Uranium)	15 ***	pCi/L	2.1	U	EPA 900.0	2.1	3	1.0	12-13-14	0800	E84025
	Gross Beta		pCi/L	4.4		EPA 900.0	3.1		2.1	12-13-14	0800	E84025
4020	Total Radium	5	pCi/L	0.7		EPA 903.0	0.4	1	0.3	12-16-14	1100	E84025
4020	Radium-226		pCi/L	0.2	U	EPA 903.1	0.2	1	0.08	12-19-14	1140	E84025

Reporting Format 62-550.730

Effective January 1995, Revised February 2010.

* Qualifier Codes: U = indicates that the compound was analyzed for but not detected.

I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.

** If the result exceeds 5 pCi/L, a measurement for radium-226 is required. Uranium is reported separately under Contam ID 4006.

*** If the results exceed 5 pCi/L, a measurement for radium-226 is required. If the results exceed 15 pCi/L, a measurement for Combined Uranium must be reported separately. The DEP/DOH will subtract the U value from the Gross Alpha (ID 4002) to determine compliance with MCL for Gross Alpha (Excl.U) of 15 pCi/L. If the result for ID 4002 Gross Alpha (incl Uranium) does not exceed 15 pCi/L, Combined Uranium need not be measured nor reported.

**** If using Uranium testing methods ASTM D5174 or EPA 200.8 only, then Analysis Error need not be reported.

Page of

Test results meet all requirements of the NELAC standards. Contact person: Jim Hayes (813) 229-2879.

Approved by:

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Florida Department of Environmental Protection Safe Drinking Water Program Laboratory Reporting Format

RADIONUCLIDES

62-550.310(6)

Client ID: TA Pensacola 400-99493-6

KNL Report Number/Job ID: 14.10167

PWS ID(From Page 1):

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier *	Analytical Method	Lab MDL	RDL	Analysis Error	Analysis Date	Analysis Time	DOH Lab Certification #
4002	Gross Alpha (incl Uranium)	15 ***	pCi/L	2.2	U	EPA 900.0	2.2	3	1.1	12-13-14	0800	E84025
	Gross Beta		pCi/L	3.2	U	EPA 900.0	3.2		1.7	12-13-14	0800	E84025
4020	Total Radium	5	pCi/L	0.3	U	EPA 903.0	0.3	1	0.2	12-16-14	1100	E84025
4020	Radium-226		pCi/L	0.2		EPA 903.1	0.2	1	0.09	12-19-14	1140	E84025

Reporting Format 62-550.730

Effective January 1995, Revised February 2010.

- * Qualifier Codes: U = indicates that the compound was analyzed for but not detected.
I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.
- ** If the result exceeds 5 pCi/L, a measurement for radium-226 is required. Uranium is reported separately under Contam ID 4006.
- *** If the results exceed 5 pCi/L, a measurement for radium-226 is required. If the results exceed 15 pCi/L, a measurement for Combined Uranium must be reported separately. The DEP/DOH will subtract the U value from the Gross Alpha (ID 4002) to determine compliance with MCL for Gross Alpha (Excl.U) of 15 pCi/L. If the result for ID 4002 Gross Alpha (incl.Uranium) does not exceed 15 pCi/L, Combined Uranium need not be measured nor reported.
- **** If using Uranium testing methods ASTM D5174 or EPA 200.8 only, then Analysis Error need not be reported.

Page of

Test results meet all requirements of the NELAC standards. Contact person: Jim Hayes (813) 229-2879.

Approved by:

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**Florida Department of Environmental Protection
Safe Drinking Water Program Laboratory Reporting Format**

RADIONUCLIDES

62-550.310(6)

Client ID: TA Pensacola 400-99493-7

KNL Report Number/Job ID: 14.10168

PWS ID(From Page 1):

Contam ID	Contam Name	MCL	Units	Analysis Result	Qualifier *	Analytical Method	Lab MDL	RDL	Analysis Error	Analysis Date	Analysis Time	DOH Lab Certification #
4002	Gross Alpha (incl Uranium)	15 ***	pCi/L	1.7	U	EPA 900.0	1.7	3	0.8	12-13-14	0800	E84025
	Gross Beta		pCi/L	3.1	U	EPA 900.0	3.1		1.4	12-13-14	0800	E84025
4020	Total Radium	5	pCi/L	0.4	U	EPA 903.0	0.4	1	0.2	12-16-14	1100	E84025
4020	Radium-226		pCi/L	0.2	U	EPA 903-1	0.2	1	0.08	12-19-14	1140	E84025

Reporting Format 62-550.730
Effective January 1995, Revised February 2010.

- * Qualifier Codes: U = indicates that the compound was analyzed for but not detected.
I = the reported value is between the laboratory detection limit and the laboratory practical quantitation limit.
- ** If the result exceeds 5 pCi/L, a measurement for radium-226 is required. Uranium is reported separately under Contam ID 4006.
- *** If the results exceed 5 pCi/L, a measurement for radium-226 is required. If the results exceed 15 pCi/L, a measurement for Combined Uranium must be reported separately. The DEP/DOH will subtract the U value from the Gross Alpha (ID 4002) to determine compliance with MCL for Gross Alpha (Excl.U) of 15 pCi/L. If the result for ID 4002 Gross Alpha (incl.Uranium) does not exceed 15 pCi/L, Combined Uranium need not be measured nor reported.
- **** If using Uranium testing methods ASTM D5174 or EPA 200.8 only, then Analysis Error need not be reported.

Page of

Test results meet all requirements of the NELAC standards. Contact person: Jim Hayes (813) 229-2879.

Approved by:

James W. Hayes

James W. Hayes
Laboratory Director

Chain of Custody Record

LNU



TestAmerica
INC. LEADER IN ENVIRONMENTAL TESTING

[illegible]

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-104876-1
Client Project/Site: Bis(chloromethyl) ether-Scholz

For:
Gulf Power Company
BIN 731
One Energy Place
Pensacola, Florida 32520

Attn: Robert Jernigan



Authorized for release by:
5/6/2015 2:11:28 PM

Cheyenne Whitmire, Project Manager II
(850)474-1001
cheyenne.whitmire@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Method Summary

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL PEN

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-104876-1	INTAKE	Water	04/27/15 10:15	04/28/15 08:00
400-104876-2	DISCHARGE	Water	04/27/15 10:20	04/28/15 08:00
400-104876-3	ASHPOND	Water	04/27/15 10:30	04/28/15 08:00
400-104876-4	INTAKE	Water	04/27/15 16:10	04/28/15 08:00
400-104876-5	DISCHARGE	Water	04/27/15 16:15	04/28/15 08:00
400-104876-6	ASHPOND	Water	04/27/15 16:20	04/28/15 08:00
400-104876-7	INTAKE	Water	04/27/15 22:10	04/28/15 08:00
400-104876-8	DISCHARGE	Water	04/27/15 22:15	04/28/15 08:00
400-104876-9	ASHPOND	Water	04/27/15 22:20	04/28/15 08:00
400-104876-10	INTAKE	Water	04/28/15 04:25	04/28/15 08:00
400-104876-11	DISCHARGE	Water	04/28/15 04:45	04/28/15 08:00
400-104876-12	ASHPOND	Water	04/28/15 05:00	04/28/15 08:00

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Client Sample ID: INTAKE

Date Collected: 04/27/15 10:15

Date Received: 04/28/15 08:00

Lab Sample ID: 400-104876-1

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/05/15 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		78 - 118		05/05/15 23:52	1
Dibromofluoromethane	101		81 - 121		05/05/15 23:52	1
Toluene-d8 (Surr)	97		80 - 120		05/05/15 23:52	1

Client Sample ID: DISCHARGE

Date Collected: 04/27/15 10:20

Date Received: 04/28/15 08:00

Lab Sample ID: 400-104876-2

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		78 - 118		05/06/15 00:18	1
Dibromofluoromethane	102		81 - 121		05/06/15 00:18	1
Toluene-d8 (Surr)	95		80 - 120		05/06/15 00:18	1

Client Sample ID: ASHPOND

Date Collected: 04/27/15 10:30

Date Received: 04/28/15 08:00

Lab Sample ID: 400-104876-3

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		78 - 118		05/06/15 00:44	1
Dibromofluoromethane	104		81 - 121		05/06/15 00:44	1
Toluene-d8 (Surr)	95		80 - 120		05/06/15 00:44	1

Client Sample ID: INTAKE

Date Collected: 04/27/15 16:10

Date Received: 04/28/15 08:00

Lab Sample ID: 400-104876-4

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		78 - 118		05/06/15 01:09	1
Dibromofluoromethane	105		81 - 121		05/06/15 01:09	1
Toluene-d8 (Surr)	96		80 - 120		05/06/15 01:09	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Client Sample ID: DISCHARGE

Lab Sample ID: 400-104876-5

Date Collected: 04/27/15 16:15

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		78 - 118					05/06/15 01:35	1
Dibromofluoromethane	105		81 - 121					05/06/15 01:35	1
Toluene-d8 (Surr)	96		80 - 120					05/06/15 01:35	1

Client Sample ID: ASHPOND

Lab Sample ID: 400-104876-6

Date Collected: 04/27/15 16:20

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		78 - 118					05/06/15 02:01	1
Dibromofluoromethane	105		81 - 121					05/06/15 02:01	1
Toluene-d8 (Surr)	97		80 - 120					05/06/15 02:01	1

Client Sample ID: INTAKE

Lab Sample ID: 400-104876-7

Date Collected: 04/27/15 22:10

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		78 - 118					05/06/15 02:27	1
Dibromofluoromethane	105		81 - 121					05/06/15 02:27	1
Toluene-d8 (Surr)	94		80 - 120					05/06/15 02:27	1

Client Sample ID: DISCHARGE

Lab Sample ID: 400-104876-8

Date Collected: 04/27/15 22:15

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		78 - 118					05/06/15 02:52	1
Dibromofluoromethane	105		81 - 121					05/06/15 02:52	1
Toluene-d8 (Surr)	97		80 - 120					05/06/15 02:52	1

TestAmerica Pensacola

Client Sample Results

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Client Sample ID: ASHPOND

Lab Sample ID: 400-104876-9

Date Collected: 04/27/15 22:20

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		78 - 118					05/06/15 03:18	1
Dibromofluoromethane	105		81 - 121					05/06/15 03:18	1
Toluene-d8 (Surr)	97		80 - 120					05/06/15 03:18	1

Client Sample ID: INTAKE

Lab Sample ID: 400-104876-10

Date Collected: 04/28/15 04:25

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 03:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		78 - 118					05/06/15 03:44	1
Dibromofluoromethane	104		81 - 121					05/06/15 03:44	1
Toluene-d8 (Surr)	96		80 - 120					05/06/15 03:44	1

Client Sample ID: DISCHARGE

Lab Sample ID: 400-104876-11

Date Collected: 04/28/15 04:45

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		78 - 118					05/06/15 04:09	1
Dibromofluoromethane	104		81 - 121					05/06/15 04:09	1
Toluene-d8 (Surr)	93		80 - 120					05/06/15 04:09	1

Client Sample ID: ASHPOND

Lab Sample ID: 400-104876-12

Date Collected: 04/28/15 05:00

Matrix: Water

Date Received: 04/28/15 08:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/06/15 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		78 - 118					05/06/15 04:35	1
Dibromofluoromethane	103		81 - 121					05/06/15 04:35	1
Toluene-d8 (Surr)	94		80 - 120					05/06/15 04:35	1

TestAmerica Pensacola

Definitions/Glossary

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Qualifiers

GC/MS VOA TICs

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Lab Chronicle

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Client Sample ID: INTAKE

Lab Sample ID: 400-104876-1

Date Collected: 04/27/15 10:15

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/05/15 23:52	CLN	TAL PEN

Client Sample ID: DISCHARGE

Lab Sample ID: 400-104876-2

Date Collected: 04/27/15 10:20

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 00:18	CLN	TAL PEN

Client Sample ID: ASHPOND

Lab Sample ID: 400-104876-3

Date Collected: 04/27/15 10:30

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 00:44	CLN	TAL PEN

Client Sample ID: INTAKE

Lab Sample ID: 400-104876-4

Date Collected: 04/27/15 16:10

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 01:09	CLN	TAL PEN

Client Sample ID: DISCHARGE

Lab Sample ID: 400-104876-5

Date Collected: 04/27/15 16:15

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 01:35	CLN	TAL PEN

Client Sample ID: ASHPOND

Lab Sample ID: 400-104876-6

Date Collected: 04/27/15 16:20

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 02:01	CLN	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Client Sample ID: INTAKE

Lab Sample ID: 400-104876-7

Date Collected: 04/27/15 22:10

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 02:27	CLN	TAL PEN

Client Sample ID: DISCHARGE

Lab Sample ID: 400-104876-8

Date Collected: 04/27/15 22:15

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 02:52	CLN	TAL PEN

Client Sample ID: ASHPOND

Lab Sample ID: 400-104876-9

Date Collected: 04/27/15 22:20

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 03:18	CLN	TAL PEN

Client Sample ID: INTAKE

Lab Sample ID: 400-104876-10

Date Collected: 04/28/15 04:25

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 03:44	CLN	TAL PEN

Client Sample ID: DISCHARGE

Lab Sample ID: 400-104876-11

Date Collected: 04/28/15 04:45

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 04:09	CLN	TAL PEN

Client Sample ID: ASHPOND

Lab Sample ID: 400-104876-12

Date Collected: 04/28/15 05:00

Matrix: Water

Date Received: 04/28/15 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	255954	05/06/15 04:35	CLN	TAL PEN

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TestAmerica Pensacola

QC Association Summary

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

GC/MS VOA

Analysis Batch: 255954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-104876-1	INTAKE	Total/NA	Water	624	
400-104876-2	DISCHARGE	Total/NA	Water	624	
400-104876-3	ASHPOND	Total/NA	Water	624	
400-104876-4	INTAKE	Total/NA	Water	624	
400-104876-5	DISCHARGE	Total/NA	Water	624	
400-104876-6	ASHPOND	Total/NA	Water	624	
400-104876-7	INTAKE	Total/NA	Water	624	
400-104876-8	DISCHARGE	Total/NA	Water	624	
400-104876-9	ASHPOND	Total/NA	Water	624	
400-104876-10	INTAKE	Total/NA	Water	624	
400-104876-11	DISCHARGE	Total/NA	Water	624	
400-104876-12	ASHPOND	Total/NA	Water	624	
400-104895-A-1 MS	Matrix Spike	Total/NA	Water	624	
400-104895-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
400-104951-A-1 MS	Matrix Spike	Total/NA	Water	624	
LCS 400-255954/1002	Lab Control Sample	Total/NA	Water	624	
MB 400-255954/31	Method Blank	Total/NA	Water	624	

QC Sample Results

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-255954/31							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 255954									
Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
bis(chloromethyl)ether TIC	5.0	U	ug/L			542-88-1		05/05/15 22:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		78 - 118					05/05/15 22:35	1
Dibromofluoromethane	105		81 - 121					05/05/15 22:35	1
Toluene-d8 (Surr)	96		80 - 120					05/05/15 22:35	1

Lab Sample ID: LCS 400-255954/1002							Client Sample ID: Lab Control Sample		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 255954									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	20.0	20.8		ug/L		104	37 - 151		
1,1-Dichloroethane	20.0	20.6		ug/L		103	59 - 155		
Toluene	20.0	18.9		ug/L		95	47 - 150		
Chlorobenzene	20.0	19.1		ug/L		96	37 - 160		
Trichloroethene	20.0	18.8		ug/L		94	71 - 157		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene	103		78 - 118						
Dibromofluoromethane	109		81 - 121						
Toluene-d8 (Surr)	97		80 - 120						

Lab Sample ID: 400-104895-A-1 MS							Client Sample ID: Matrix Spike		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 255954									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.38	U	50.0	41.6		ug/L		83	10 - 150
1,1-Dichloroethane	0.50	U	50.0	46.2		ug/L		92	10 - 150
Toluene	0.70	U	50.0	33.1		ug/L		66	10 - 150
Chlorobenzene	0.50	U	50.0	29.7		ug/L		59	10 - 150
Trichloroethene	10		50.0	47.7		ug/L		75	10 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	101		78 - 118						
Dibromofluoromethane	107		81 - 121						
Toluene-d8 (Surr)	97		80 - 120						

Lab Sample ID: 400-104895-A-1 MSD							Client Sample ID: Matrix Spike Duplicate			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 255954										
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD
Benzene	0.38	U	50.0	48.0		ug/L		96	10 - 150	14
1,1-Dichloroethane	0.50	U	50.0	51.1		ug/L		102	10 - 150	10
Toluene	0.70	U	50.0	41.7		ug/L		83	10 - 150	23

TestAmerica Pensacola

QC Sample Results

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-104895-A-1 MSD

Matrix: Water

Analysis Batch: 255954

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	0.50	U	50.0	39.7		ug/L		79	10 - 150	29	30
Trichloroethene	10		50.0	56.2		ug/L		92	10 - 150	16	22
Surrogate											
	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	102		78 - 118								
Dibromofluoromethane	108		81 - 121								
Toluene-d8 (Surr)	96		80 - 120								

Lab Sample ID: 400-104951-A-1 MS

Matrix: Water

Analysis Batch: 255954

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.38	U	50.0	43.8		ug/L		88	10 - 150		
1,1-Dichloroethane	0.50	U	50.0	47.8		ug/L		96	10 - 150		
Toluene	0.70	U	50.0	36.9		ug/L		74	10 - 150		
Chlorobenzene	0.50	U	50.0	33.2		ug/L		66	10 - 150		
Trichloroethene	0.50	U	50.0	40.0		ug/L		80	10 - 150		
Surrogate											
	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene	102		78 - 118								
Dibromofluoromethane	107		81 - 121								
Toluene-d8 (Surr)	98		80 - 120								

TestAmerica Pensacola

3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information		Sampler: Brandon Smith		Lab PM: Whitmire, Cheyenne R		Carrier Tracking No(s):		COC No: 400-44831-21671.1	
Client Contact: Robert Jernigan		Phone:		E-Mail: cheyenne.whitmire@testamericainc.com				Page Page 1 of 2	
Company: Gulf Power Company						Analysis Requested		Job #	
Address: BIN 731 One Energy Place		Due Date Requested:		624_5ml - Bis(chloromethyl) ether  400-104876 COC				Preservation Codes:	
City: Pensacola		TAT Requested (days):						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ioe J - DI Water K - EDTA L - EDA	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)
State, Zip: FL, 32520									
Phone: 850-444-6153(Tel)		PO #: Purchase Order not required							
Email: rjemig@southernco.com		WO #:							
Project Name: Bis(chloromethyl) ether - Scholz		Project #: 40000612							
Site:		SSOW#:						Other:	
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab) BT=Tissue, A=Air	Matrix (W=water, S=solid, O=wasteloid, BT=Tissue, A=Air)			Special Instructions/Note:	
Intake		4/27/15	1015	G	Water	X			lab
Discharge			1020		Water				hand composite
Ash pond.			1030		Water				
Intake			1640						
Discharge			1615						
Ash pond			1620						
Intake			2210						
Discharge			2215						
Ash pond.			2220						
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:					
Relinquished by: [Signature]		Date/Time: 4/28/15 0800	Company: Gulf Power	Received by: [Signature]		Date/Time: 4/28/15 0800	Company: TIA		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:		
Custody Seals Intact: Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:		10°C - 10°C			

Page 14 of 17

5/6/2015

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

Login Sample Receipt Checklist

Client: Gulf Power Company

Job Number: 400-104876-1

Login Number: 104876

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	1.2°C IR-2
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	
There are no discrepancies between the containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Certification Summary

Client: Gulf Power Company
Project/Site: Bis(chloromethyl) ether-Scholz

TestAmerica Job ID: 400-104876-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-15
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-15
Florida	NELAP	4	E81010	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200041	10-09-15
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	05-31-15 *
Kentucky (UST)	State Program	4	53	06-30-15
Kentucky (WW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-15
Maryland	State Program	3	233	09-30-15
Massachusetts	State Program	1	M-FL094	06-30-15
Michigan	State Program	5	9912	06-30-15
New Jersey	NELAP	2	FL006	06-30-15
North Carolina (WW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-15
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-15
South Carolina	State Program	4	96026	06-30-15
Tennessee	State Program	4	TN02907	06-30-15
Texas	NELAP	6	T104704286-12-5	09-30-15
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-15
West Virginia DEP	State Program	3	136	06-30-15

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola



Attachment 4

VI IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement order, enforcement compliance schedule letter, stipulations, court orders, and grant or loan conditions.

☐ Yes (complete the following table) ☒ No (go to Item VI-B)

1. Identification of Condition, Agreement, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	a. No.	b. Source of Discharge		a. Required	B. Projected

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ Mark "X" if description of additional control programs is attached.

VII INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding--Complete one set of tables for each outfall -- Annotate the outfall number in the space provided. NOTE: Tables VII-A, VII-B, and VII-C are included on separate sheets number VII-1 through VII-9.

D. Use the space below to list any of the pollutants listed in Table 2CS-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. Pollutant	2. Source	1. Pollutant	2. Source
NA			

Facility ID. Number: FL0002283 Outfall No. D-001

PLEASE PRINT OR TYPE ONLY: You may report some or all of this information on separate sheets instead of completing these pages. Use the same format. SEE INSTRUCTIONS.

VII. INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. Effluent						3.. Units		4. Intake (optional)			
	a. Max. Daily Value		b. Max. 30-day Value		c. Annual Avg. Value		d. No. of Analyses	a. Concentration	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Carbonaceous Biochemical Oxygen Demand (CBOD)	<2	366.69					1	mg/l	lbm/day	2.39	864.01	1
b. Chemical Oxygen Demand (COD)	18.1	6637.01					1	mg/l	lbm/day	17.7	6398.76	1
c. Total Organic Carbon (TOC)	3.97	1455.74					1	mg/l	lbm/day	3.99	1442.43	1
d. Total Suspended Solids (TSS)	3.2	1173.39					1	mg/l	lbm/day	<3.2	578.42	1
e. Total Nitrogen (as N)	0.754	276.48					1	mg/l	lbm/day	0.802	289.93	1
f. Total Phosphorus (as P)	0.03	11.00					1	mg/l	lbm/day	0.03	10.85	1
g. Ammonia (as N)	<0.016	2.93					1	mg/l	lbm/day	<0.016	2.89	1
h. Flow - actual or projected	Value		Value		Value 43.9 MGD		365	MGD		Value 43.3 MGD		365
i. Flow - design	Value 129.6		Value		Value			MGD		Value 129.6		
j. Specific Conductivity	Value 186		Value		Value		1	Umhos/cm		Value 199		1
k. Temperature (winter)	Value		Value		Value 60.19		182	°C		Value 59.98		182
l. Temperature (summer)	Value		Value		Value 78.16		183	°C		Value 80.10		183
m. pH	Min. 6.98	Max 8.10	Min.	Max.			53	STANDARD UNITS				

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. be- lieved present	b. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc...	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Bromide (24949-67-9)	☒	☐	<0.2	36.67					1	Mg/l	Lbm/day	<0.2	36.15	1
b. Chlorine, Total Residual	☐	☒	<0.02	3.67					1	Mg/l	Lbm/day			
c. Color	☒	☐	1.5						1	Color units		27.6		1
d. Fecal Coliform	☐	☒	4						1	MPN/100 ml		6		1
e. Fluoride (16984-48-8)	☒	☐	<0.024	4.40					1	Mg/l	Lbm/day	<0.024	4.34	1
f. Nitrate-Nitrite (as N)	☒	☐	0.438	160.61					1	Mg/l	Lbm/day	0.443	160.15	1

: Item VII-B Contd.

Facility ID. Number FL0002283 Outfall No. D-001

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. believed present	b. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
g. Nitrogen, Total Organic (as N)	☒	☐	0.26	95.34					1	Mg/l	Lbm/day	0.26	93.99	1
h. Oil and grease	☐	☒	<2.44	447.36					1	Mg/l	Lbm/day	<2.24	404.89	1
i. Phosphorus, Total (as P) (7723-14-0)	☒	☐	0.03	11.00					1	Mg/l	Lbm/day	0.03	10.85	1
j. Radioactivity														
(1) Alpha, Total	☒	☐	<2.1+/-1.0						1	pCi/l		<2.2 +/- 1.1		1
(2) Beta, Total	☒	☐	4.4 +/- 2.1						1	pCi/l		<3.2 +/- 1.7		1
(3) Radium, Total	☒	☐	0.7 +/- 0.3						1	pCi/l		<0.3 +/- 0.2		1
(4) Radium 226, Total	☒	☐	<0.2 +/- 0.08						1	pCi/l		0.2 +/- 0.09		1
k. Sulfate (as SO ₄) (14808-79-8)	☒	☐	9.46	3468.85					1	mg/L	lbm/day	10.3	3723.57	1
l. Sulfide (as S)	☒	☐	<1	183.34					1	mg/L	lbm/day	<1	180.76	1
m. Sulfite (as SO ₃) (14265-45-3)	☒	☐	5	1833.43					1	mg/L	lbm/day	5	1807.56	1
n. Surfactants	☒	☐	<0.12	22.00					1	mg/l LAS MW 340	lbm/day	<0.12	21.69	1
o. Aluminum, Total (7429-90-5)	☒	☐	0.184	67.47					1	mg/L	lbm/day	0.167	60.37	1
p. Barium, Total (7440-39-3)	☒	☐	0.0193	7.08					1	mg/L	lbm/day	0.0189	6.83	1
q. Boron, Total (7440-42-8)	☒	☐	0.015	5.50					1	mg/L	lbm/day	0.015	5.42	1
r. Cobalt, Total (7440-48-4)	☐	☒	<0.003	0.55					1	mg/L	lbm/day	<0.003	0.54	1
s. Iron, Total (7439-89-6)	☒	☐	0.317	116.24					1	mg/L	lbm/day	0.288	104.12	1
t. Magnesium, Total (7439-95-4)	☒	☐	2.39	876.38					1	mg/L	lbm/day	2.41	871.24	1
u. Molybdenum, Total (7439-98-7)	☐	☒	<0.002	0.37					1	mg/L	lbm/day	<0.002	0.36	1
v. Manganese, Total (7439-96-5)	☒	☐	0.0512	18.77					1	mg/L	lbm/day	0.048	17.35	1
w. Tin, Total (7440-31-5)	☐	☒	<0.005	0.92					1	mg/L	lbm/day	<0.005	0.90	1
x. Titanium, Total (7440-32-6)	☒	☐	0.0015	0.55					1	mg/L	lbm/day	0.0015	0.54	1

Facility ID. Number: FL0002283 Outfall No. D-001

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2a for all GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2b for each pollutant you know or have reason to believe is present. Mark "X" in column 2c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	☒	☐	☐	<0.0023	0.42					1	mg/L	lbm/day	<0.0023	0.42	1
2M. Arsenic, Total (7723-14-0)	☒	☐	☐	<0.004	0.73					1	mg/L	lbm/day	<0.004	0.72	1
3M. Beryllium, Total (7440-41-7)	☒	☐	☐	<0.001	0.18					1	mg/L	lbm/day	<0.001	0.18	1
4M. Cadmium, Total (7440-43-9)	☒	☐	☐	<0.000118	0.02					1	mg/L	lbm/day	<0.001	0.18	1
5M. Chromium, Total (7440-47-3)	☒	☐	☐	<0.002	0.37					1	mg/L	lbm/day	<0.002	0.36	1
6M. Copper, Total (7440-50-8)	☒	☐	☐	<0.002	0.37					1	mg/L	lbm/day	<0.002	0.362	1
7M. Lead, Total (7439-92-1)	☒	☐	☐	<0.002	0.37					1	mg/L	lbm/day	<0.002	0.36	1
8M. Mercury, Total (7439-97-6)	☒	☐	☐	0.000791	0.0003					1	ug/L	lbm/day	0.000544	0.0002	1
9M. Nickel, Total (7440-02-0)	☒	☐	☐	<0.003	0.55					1	mg/L	lbm/day	<0.003	0.54	1
10M. Selenium, Total (7782-49-2)	☒	☐	☐	<0.004	0.73					1	mg/L	lbm/day	<0.004	0.72	1
11M. Silver, Total (7440-22-4)	☒	☐	☐	<0.002	0.37					1	mg/L	lbm/day	<0.002	0.36	1
12M. Thallium, Total (7440-28-0)	☒	☐	☐	<0.0005	0.09					1	mg/L	lbm/day	<0.0005	0.09	1
13M. Zinc, Total (7440-66-6)	☒	☐	☐	<0.008	1.47					1	mg/L	lbm/day	<0.008	1.45	1
14M. Cyanide, Total (57-12-5)	☒	☐	☐	<0.005	0.92					1	mg/L	lbm/day	<0.005	0.90	1
15M. Phenols, Total	☒	☐	☐	0.0045	1.65					1	mg/L	lbm/day	0.0045	1.63	1
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)	☐	☐	☒												
GC/MS FRACTION -VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	☒	☐	☐	<10	1.83					1	ug/L	lbm/day	<10	1.81	1
2V. Acrylonitrile (107-13-1)	☒	☐	☐	<2.8	0.51					1	ug/L	lbm/day	<2.8	0.51	1

Facility ID. Number: FL0002283 Outfall No. D-001

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
3V. Benzene (71-43-2)	☒	☐	☐	<0.38	0.07					1	ug/L	lbm/day	<0.38	0.07	1
4V. Bis (Chloromethyl) Ether (542-88-1)	☒	☐	☐	<5	0.9					4	ug/L	lbm/day	<5	0.9	4
5V. Bromoform (75-25-2)	☒	☐	☐	<0.71	0.13					1	ug/L	lbm/day	<0.71	0.13	1
6V. Carbon Tetrachloride (56-23-5)	☒	☐	☐	<0.5	0.09					1	ug/L	lbm/day	<0.5	0.09	1
7V. Chlorobenzene (108-90-7)	☒	☐	☐	<0.5	0.09					1	ug/L	lbm/day	<0.5	0.09	1
8V. Chlorodibromomethane (124-8-1)	☒	☐	☐	<0.5	0.09					1	ug/L	lbm/day	<0.5	0.09	1
9V. Chloroethane (74-00-3)	☒	☐	☐	<0.76	0.14					1	ug/L	lbm/day	<0.76	0.14	1
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	☒	☐	☐	<2	0.37					1	ug/L	lbm/day	<2	0.36	1
11V. Chloroform (67-86-3)	☒	☐	☐	<0.6	0.11					1	ug/L	lbm/day	<0.6	0.11	1
12V. Dichlorobromomethane (75-24-4)	☒	☐	☐	<0.5	0.09					1	ug/L	lbm/day	<0.5	0.09	1
13V. Dichlorodifluoromethane (75-71-8)	☒	☐	☐	<0.85	0.16					1	ug/L	lbm/day	<0.85	0.15	1
14V. 1,1-Dichloroethane (75-34-3)	☒	☐	☐	<0.5	0.09					1	ug/L	lbm/day	<0.5	0.09	1
15V. 1,2-Dichloroethane (107-06-2)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.09	1
16V. 1,1-Dichloroethylene (75-35-4)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.09	1
17V. 1,2-Dichloropropane (78-87-5)	☒	☐	☐	<0.5	0.09					1	ug/L	lbm/day	<0.5	0.09	1
18V. 1,3-Dichloropropylene (542-75-6)	☒	☐	☐	<1	0.18					1	ug/L	lbm/day	<1	0.181	1
19V. Ethylbenzene (100-41-4)	☒	☐	☐	<0.5	0.09					1	ug/L	lbm/day	<0.5	0.090	1
20V. Methyl Bromide (74-83-9)	☒	☐	☐	<0.98	0.18					1	ug/L	lbm/day	<0.98	0.18	1
21V. Methyl Chloride (74-87-3)	☒	☐	☐	<0.83	0.152					1	ug/L	lbm/day	<0.83	0.150	1
22V. Methylene Chloride (74-98-2)	☒	☐	☐	<3	0.550					1	ug/L	lbm/day	<3	0.542	1
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.09	1
24V. Tetrachloroethylene (127-18-4)	☒	☐	☐	<0.58	0.106					1	ug/L	lbm/day	<0.58	0.105	1

Facility ID. Number: FL0002283 Outfall No. D-001

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
25V. Toluene (108-88-3)	☒	☐	☐	<0.7	0.128					1	ug/L	lbm/day	<0.7	0.127	1
26V. 1,2-Trans-Dichloroethylene (156-60-5)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.090	1
27V. 1,1,2-Trichloroethane (71-55-6)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.090	1
28V. 1,1,2-Trichloroethane (79-00-5)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.090	1
29V. Trichloroethylene (79-01-6)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.090	1
30V. Trichlorofluoromethane (75-69-4)	☒	☐	☐	<0.52	0.095					1	ug/L	lbm/day	<0.52	0.094	1
31V. Vinyl Chloride (75-01-4)	☒	☐	☐	<0.5	0.092					1	ug/L	lbm/day	<0.5	0.090	1
1A. 2-Chlorophenol (95-57-8)	☒	☐	☐	<2.1	0.39					1	ug/L	lbm/day	<2.1	0.38	1
2A. 2,4-Dichlorophenol (120-83-2)	☒	☐	☐	<2.86	0.52					1	ug/L	lbm/day	<2.86	0.52	1
3A. 2,4-Dimethylphenol (105-67-9)	☒	☐	☐	<3.33	0.61					1	ug/L	lbm/day	<3.33	0.60	1
4A. 4,6-Dinitro-O-Cresol (534-53-1)	☒	☐	☐	<1.9	0.35					1	ug/L	lbm/day	<1.9	0.34	1
5A. 2,4-Dinitrophenol (51-28-5)	☒	☐	☐	<3.24	0.59					1	ug/L	lbm/day	<3.24	0.59	1
6A. 2-Nitrophenol (88-75-5)	☒	☐	☐	<0.619	0.11					1	ug/L	lbm/day	<0.619	0.11	1
7A. 4-Nitrophenol (100-02-7)	☒	☐	☐	<2	0.37					1	ug/L	lbm/day	<2	0.36	1
8A. P-Chloro-M-Cresol (59-50-7)	☒	☐	☐	<3.62	0.66					1	ug/L	lbm/day	<3.62	0.65	1
9A. Pentachlorophenol (87-86-5)	☒	☐	☐	<1.72	0.32					1	ug/L	lbm/day	<1.72	0.31	1
10A. Phenol (108-95-2)	☒	☐	☐	<2.48	0.45					1	ug/L	lbm/day	<2.48	0.45	1
11A. 2,4,5-Trichlorophenol (88-06-2)	☒	☐	☐	<3.33	0.61					1	ug/L	lbm/day	<3.33	0.60	1
1B. Acenaphthene (63-32-9)	☒	☐	☐	<0.438	0.08					1	ug/L	lbm/day	<0.438	0.08	1
2B. Acenaphthylene (208-96-8)	☒	☐	☐	<0.533	0.10					1	ug/L	lbm/day	<0.533	0.10	1
3B. Anthracene (120-12-7)	☒	☐	☐	<0.4	0.07					1	ug/L	lbm/day	<0.4	0.07	1
4B. Benzidine (92-87-5)	☒	☐	☐	<19	3.48					1	ug/L	lbm/day	<19	3.43	1

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
5B. Benzo (a) Anthracene (56-55-3)	☒	☐	☐	<0.324	0.06					1	ug/L	lbm/day	<0.324	0.06	1
6B. Benzo (a) Pyrene (50-32-8)	☒	☐	☐	<0.41	0.08					1	ug/L	lbm/day	<0.41	0.07	1
7B. 3,4-Benzo-fluoranthene (205-99-2)	☒	☐	☐	<0.362	0.07					1	ug/L	lbm/day	<0.362	0.07	1
8B. Benzo (ghi) Perylene (191-24-2)	☒	☐	☐	<1.01	0.19					1	ug/L	lbm/day	<1.01	0.18	1
9B. Benzo (k) Fluoranthene (207-08-9)	☒	☐	☐	<0.514	0.09					1	ug/L	lbm/day	<0.514	0.09	1
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	☒	☐	☐	<0.657	0.12					1	ug/L	lbm/day	<0.657	0.12	1
11B. Bis (2-chloroethyl) Ether (111-44-4)	☒	☐	☐	<0.705	0.13					1	ug/L	lbm/day	<0.705	0.13	1
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	☒	☐	☐	<0.771	0.14					1	ug/L	lbm/day	<0.771	0.14	1
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	☒	☐	☐	<2.15	0.39					1	ug/L	lbm/day	<2.15	0.39	1
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	☒	☐	☐	<0.305	0.06					1	ug/L	lbm/day	<0.305	0.06	1
15B Butyl Benzyl Phthalate (84-68-7)	☒	☐	☐	<0.657	0.12					1	ug/L	lbm/day	<0.657	0.12	1
16B. 2-Chloronaphthalene (91-58-7)	☒	☐	☐	<0.495	0.09					1	ug/L	lbm/day	<0.495	0.09	1
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	☒	☐	☐	<1.9	0.35					1	ug/L	lbm/day	<1.9	0.34	1
18B. Chrysene (218-01-9)	☒	☐	☐	<0.467	0.09					1	ug/L	lbm/day	<0.467	0.08	1
19B. Dibenzo (a,h) Anthracene (53-70-3)	☒	☐	☐	<1.11	0.20					1	ug/L	lbm/day	<1.11	0.20	1
20B. 1,2-Dichlorobenzene (95-50-1)	☒	☐	☐	<0.543	0.10					1	ug/L	lbm/day	<0.543	0.10	1
21B. 1,3-Dichlorobenzene (541-73-1)	☒	☐	☐	<0.448	0.08					1	ug/L	lbm/day	<0.448	0.08	1
22B. 1,4-Dichlorobenzene (106-46-7)	☒	☐	☐	<0.495	0.09					1	ug/L	lbm/day	<0.495	0.09	1
23B. 3,3'-Dichlorobenzidine (92-94-1)	☒	☐	☐	<2.48	0.45					1	ug/L	lbm/day	<2.48	0.45	1
24B. Diethyl Phthalate (84-66-2)	☒	☐	☐	<0.667	0.12					1	ug/L	lbm/day	<0.667	0.12	1
25B. Dimethyl Phthalate (131-11-3)	☒	☐	☐	<0.571	0.10					1	ug/L	lbm/day	<0.571	0.10	1
26B. Di-N-Butyl Phthalate (84-74-2)	☒	☐	☐	<2.57	0.47					1	ug/L	lbm/day	<2.57	0.46	1
27B. 2,4-Dinitrotoluene (121-14-2)	☒	☐	☐	<1.81	0.33					1	ug/L	lbm/day	<1.81	0.33	1
28B. 2,6-Dinitrotoluene (606-20-2)	☒	☐	☐	<1.81	0.33					1	ug/L	lbm/day	<1.81	0.33	1

Facility ID. Number: FL0002283 Outfall No. D-001

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
29B. Di-N-Octyl Phthalate (117-84-0)	☒	☐	☐	<0.419	0.08					1	ug/L	lbm/day	<0.419	0.08	1
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	☒	☐	☐	<0.952	0.17					1	ug/L	lbm/day	<0.952	0.17	1
31B. Fluoranthene (206-44-0)	☒	☐	☐	<0.733	0.13					1	ug/L	lbm/day	<0.733	0.13	1
32B. Fluorene (86-73-7)	☒	☐	☐	<0.533	0.10					1	ug/L	lbm/day	<0.533	0.096	1
33B. Hexachlorobenzene (118-74-1)	☒	☐	☐	<0.238	0.04					1	ug/L	lbm/day	<0.238	0.04	1
34B. Hexachlorobutadiene (87-68-3)	☒	☐	☐	<3.43	0.63					1	ug/L	lbm/day	<3.43	0.62	1
35B. Hexachlorocyclopentadiene (77-47-4)	☒	☐	☐	<2.48	0.45					1	ug/L	lbm/day	<2.48	0.45	1
36B. Hexachloroethane (67-72-1)	☒	☐	☐	<4	0.73					1	ug/L	lbm/day	<4	0.72	1
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	☒	☐	☐	<0.971	0.18					1	ug/L	lbm/day	<0.971	0.18	1
38B. Isophorone (78-59-1)	☒	☐	☐	<0.543	0.10					1	ug/L	lbm/day	<0.543	0.10	1
39B. Naphthalene (91-20-3)	☒	☐	☐	<0.6	0.11					1	ug/L	lbm/day	<0.6	0.11	1
40B. Nitrobenzene (98-95-9)	☒	☐	☐	<0.524	0.10					1	ug/L	lbm/day	<0.524	0.09	1
41B N-Nitrosodimethylamine (62-75-9)	☒	☐	☐	<3.33	0.61					1	ug/L	lbm/day	<3.33	0.60	1
42B. N-Nitrosodi-N-Propylamine (621-64-7)	☒	☐	☐	<3.14	0.58					1	ug/L	lbm/day	<3.14	0.57	1
43B. N-Nitro-sodiphenylamine (86-30-6)	☒	☐	☐	<0.448	0.08					1	ug/L	lbm/day	<0.448	0.08	1
44B Phenanthrene (85-01-8)	☒	☐	☐	<0.39	0.07					1	ug/L	lbm/day	<0.39	0.07	1
45B. Pyrene (129-00-0)	☒	☐	☐	<1.04	0.19					1	ug/L	lbm/day	<1.04	0.19	1
46B. 1,2,4-Trichlorobenzene (120-82-1)	☒	☐	☐	<0.505	0.09					1	ug/L	lbm/day	<0.505	0.09	1
1P. Aldrin (309-00-2)	☒	☐	☐	<0.003	0.001					1	ug/L	lbm/day	<0.003	0.0005	1
2P. -BHC (319-84-6)	☒	☐	☐	<0.0036	0.001					1	ug/L	lbm/day	<0.0036	0.0007	1
3P -BHC (319-85-7)	☒	☐	☐	<0.003	0.001					1	ug/L	lbm/day	<0.003	0.0005	1
4P. -BHC (58-89-9)	☒	☐	☐	<0.0027	0.000					1	ug/L	lbm/day	<0.0027	0.0005	1
5P. -BHC (319-86-8)	☒	☐	☐	<0.025	0.005					1	ug/L	lbm/day	<0.025	0.0045	1

Facility ID. Number: FL0002283 Outfall No. D-001

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
6P. Chlordane (57-74-9)	☒	☐	☐	<0.13	0.024					1	ug/L	lbm/day	<0.13	0.0235	1
7P. 4,4'-DDT (50-29-3)	☒	☐	☐	<0.0039	0.001					1	ug/L	lbm/day	<0.0039	0.0007	1
8P. 4,4'-DDE (72-55-9)	☒	☐	☐	<0.004	0.001					1	ug/L	lbm/day	<0.004	0.0007	1
9P. 4,4'-DDD (72-54-8)	☒	☐	☐	<0.003	0.001					1	ug/L	lbm/day	<0.003	0.0005	1
10P. Dieldrin (60-57-1)	☒	☐	☐	<0.0059	0.001					1	ug/L	lbm/day	<0.0059	0.0011	1
11P. -Endosulfan (115-29-7)	☒	☐	☐	<0.003	0.001					1	ug/L	lbm/day	<0.003	0.0005	1
12P. -Endosulfan (115-29-7)	☒	☐	☐	<0.0074	0.001					1	ug/L	lbm/day	<0.0074	0.0013	1
13P. Endosulfan Sulfate (1031-07-8)	☒	☐	☐	<0.0021	0.0004					1	ug/L	lbm/day	<0.0021	0.0004	1
14P. Endrin (72-20-8)	☒	☐	☐	<0.003	0.001					1	ug/L	lbm/day	<0.003	0.0005	1
15P. Endrin Aldehyde (7421-92-4)	☒	☐	☐	<0.0028	0.001					1	ug/L	lbm/day	<0.0028	0.0005	1
16P. Heptachlor (76-44-8)	☒	☐	☐	<0.0031	0.001					1	ug/L	lbm/day	<0.0031	0.0006	1
17P. Heptachlor Epoxide (1024-57-3)	☒	☐	☐	<0.0032	0.001					1	ug/L	lbm/day	<0.0032	0.0006	1
18P. PCB-1242 (53469-21-9)	☒	☐	☐	<0.18	0.033					1	ug/L	lbm/day	<0.18	0.0325	1
19P. PCB-1254 (11097-59-1)	☒	☐	☐	<0.31	0.057					1	ug/L	lbm/day	<0.31	0.0560	1
20P. PCB-1221 (11104-28-2)	☒	☐	☐	<0.22	0.040					1	ug/L	lbm/day	<0.22	0.0398	1
21P. PCB-1232 (11141-16-5)	☒	☐	☐	<0.41	0.075					1	ug/L	lbm/day	<0.41	0.0741	1
22P. PCB-1248 (12672-29-6)	☒	☐	☐	<0.02	0.004					1	ug/L	lbm/day	<0.02	0.0036	1
23P. PCB-1260 (11096-82-5)	☒	☐	☐	0.034	0.012					1	ug/L	lbm/day	0.034	0.0123	1
24P. PCB-1016 (12674-11-2)	☒	☐	☐	<0.048	0.009					1	ug/L	lbm/day	<0.048	0.0087	1
25P. Toxaphene (8001-35-2)	☒	☐	☐	<0.4	0.073					1	ug/L	lbm/day	<0.4	0.0723	1

Facility ID. Number: FL0002283 Outfall No. I-012

PLEASE PRINT OR TYPE ONLY: You may report some or all of this information on separate sheets instead of completing these pages. Use the same format.
SEE INSTRUCTIONS.

VII. INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. Effluent						3. Units		4. Intake (optional)			
	a. Max. Daily Value		b. Max. 30-day Value		c. Annual Avg. Value		d. No. of Analyses	a. Concentration	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Carbonaceous Biochemical Oxygen Demand (CBOD)	<2	5.17					1	mg/l	lbm/day			
b. Chemical Oxygen Demand (COD)	<6.4	16.56					1	mg/l	lbm/day			
c. Total Organic Carbon (TOC)	2.37	12.26					1	mg/l	lbm/day			
d. Total Suspended Solids (TSS)	<3.2	8.28					1	mg/l	lbm/day			
e. Total Nitrogen (as N)	<0.26	0.67					1	mg/l	lbm/day			
f. Total Phosphorus (as P)	0.125	0.65					1	mg/l	lbm/day			
g. Ammonia (as N)	<0.016	0.04					1	mg/l	lbm/day			
h. Flow - actual or projected	Value: 0.62		Value		Value			MGD		Value MGD		
i. Flow - design	Value: NA		Value		Value			MGD		Value		
j. Specific Conductivity	Value: 611		Value		Value		1	Ms/cm		Value		
k. Temperature (winter)	Value 21.5		Value		Value		27	°C		Value		
l. Temperature (summer)	Value 27.0		Value		Value		27	°C		Value		
m. pH	Min. 6.55	Max 8.14	Min.	Max.			54	STANDARD UNITS				

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. be- lieved present	b. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc...	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Bromide (24949-67-9)	☒	☐	0.2	1.03					1	Mg/l	Lbm/day			
b. Chlorine, Total Residual	☐	☒								Mg/l	Lbm/day			
c. Color	☒	☐	8.5						1	Color units				
d. Fecal Coliform	☐	☒	34						1	MPN/100 ml				
e. Fluoride (16984-48-8)	☒	☐	0.3	1.55					1	Mg/l	Lbm/day			
f. Nitrate-Nitrite (as N)	☒	☐	<0.018	0.05					1	Mg/l	Lbm/day			

: Item VII-B Contd.

Facility ID. Number FL0002283 Outfall No. I-012

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. believed present	b. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
g. Nitrogen, Total Organic (as N)	☒	☐	<0.26	0.67					1	Mg/l	Lbm/day			
h. Oil and grease	☐	☒	2.72	14.07					1	Mg/l	Lbm/day			
i. Phosphorus, Total (as P) (7723-14-0)	☒	☐	0.125	0.65					1	Mg/l	Lbm/day			
j. Radioactivity														
(1) Alpha, Total	☒	☐	3.9 +/- 1.9						1	pCi/l				
(2) Beta, Total	☒	☐	7.3 +/- 1.9						1	pCi/l				
(3) Radium, Total	☒	☐	0.8 +/- 0.3						1	pCi/l				
(4) Radium 226, Total	☒	☐	0.2 +/- 0.09						1	pCi/l				
k. Sulfate (as SO ₄) (14808-79-8)	☒	☐	117	605.4					1	mg/L	lbm/day			
l. Sulfide (as S)	☒	☐	<1	2.59					1	mg/L	lbm/day			
m. Sulfite (as SO ₃) (14265-45-3)	☒	☐	5	25.87					1	mg/L	lbm/day			
n. Surfactants	☒	☐	<0.12	0.31					1	mg/l LAS MW 340	lbm/day			
o. Aluminum, Total (7429-90-5)	☒	☐	<0.04	0.10					1	mg/L	lbm/day			
p. Barium, Total (7440-39-3)	☒	☐	0.208	1.08					1	mg/L	lbm/day			
q. Boron, Total (7440-42-8)	☒	☐	1.26	6.52					1	mg/L	lbm/day			
r. Cobalt, Total (7440-48-4)	☐	☒	<0.003	0.01					1	mg/L	lbm/day			
s. Iron, Total (7439-89-6)	☒	☐	0.539	2.79					1	mg/L	lbm/day			
t. Magnesium, Total (7439-95-4)	☒	☐	11.8	61.06					1	mg/L	lbm/day			
u. Molybdenum, Total (7439-98-7)	☐	☒	0.0449	0.23					1	mg/L	lbm/day			
v. Manganese, Total (7439-96-5)	☒	☐	0.444	2.30					1	mg/L	lbm/day			
w. Tin, Total (7440-31-5)	☐	☒	<0.005	0.01					1	mg/L	lbm/day			
x. Titanium, Total (7440-32-6)	☒	☐	<0.0015	0.004					1	mg/L	lbm/day			

Facility ID. Number: FL0002283 Outfall No. I-012

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2a for all GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2b for each pollutant you know or have reason to believe is present. Mark "X" in column 2c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent								4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses		
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass			
METALS, CYANIDE, AND TOTAL PHENOLS																	
1M. Antimony, Total (7440-36-0)	☒	☐	☐	<0.0023	0.01					1	mg/L	lbm/day					
2M. Arsenic, Total (7723-14-0)	☒	☐	☐	0.133	0.69					1	mg/L	lbm/day					
3M. Beryllium, Total (7440-41-7)	☒	☐	☐	<0.001	0.003					1	mg/L	lbm/day					
4M. Cadmium, Total (7440-43-9)	☒	☐	☐	<0.001	0.003					1	mg/L	lbm/day					
5M. Chromium, Total (7440-47-3)	☒	☐	☐	<0.002	0.01					1	mg/L	lbm/day					
6M. Copper, Total (7440-50-8)	☒	☐	☐	<0.002	0.01					1	mg/L	lbm/day					
7M. Lead, Total (7439-92-1)	☒	☐	☐	0.00504	0.03					1	mg/L	lbm/day					
8M. Mercury, Total (7439-97-6)	☒	☐	☐	0.0002	0.000001					1	ug/L	lbm/day					
9M. Nickel, Total (7440-02-0)	☒	☐	☐	<0.003	0.01					1	mg/L	lbm/day					
10M. Selenium, Total (7782-49-2)	☒	☐	☐	0.004	0.02					1	mg/L	lbm/day					
11M. Silver, Total (7440-22-4)	☒	☐	☐	<0.002	0.01					1	mg/L	lbm/day					
12M. Thallium, Total (7440-28-0)	☒	☐	☐	<0.0005	0.001					1	mg/L	lbm/day					
13M. Zinc, Total (7440-66-6)	☒	☐	☐	<0.008	0.02					1	mg/L	lbm/day					
14M. Cyanide, Total (57-12-5)	☒	☐	☐	<0.005	0.01					1	mg/L	lbm/day					
15M. Phenols, Total	☒	☐	☐	<0.0045	0.01					1	mg/L	lbm/day					
DIOXIN																	
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)	☐	☐	☒	NA	NA												
GC/MS FRACTION -VOLATILE COMPOUNDS																	
1V. Acrolein (107-02-8)	☒	☐	☐	<10	0.03					1	ug/L	lbm/day					
2V. Acrylonitrile (107-13-1)	☒	☐	☐	<2.8	0.01					1	ug/L	lbm/day					

Facility ID. Number: FL0002283 Outfall No. I-012

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
3V. Benzene (71-43-2)	☒	☐	☐	<0.38	0.001					1	ug/L	lbm/day			
4V. Bis (Chloromethyl) Ether (542-88-1)	☒	☐	☐	<5	0.01					4	ug/L	lbm/day			
5V. Bromoform (75-25-2)	☒	☐	☐	<0.71	0.002					1	ug/L	lbm/day			
6V. Carbon Tetrachloride (56-23-5)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
7V. Chlorobenzene (108-90-7)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
8V. Chlorodi-bromomethane (124-8-1)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
9V. Chloroethane (74-00-3)	☒	☐	☐	<0.76	0.002					1	ug/L	lbm/day			
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	☒	☐	☐	<2	0.005					1	ug/L	lbm/day			
11V. Chloroform (67-86-3)	☒	☐	☐	<0.6	0.002					1	ug/L	lbm/day			
12V. Dichloro-bromomethane (75-24-4)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
13V. Dichloro-difluoromethane (75-71-8)	☒	☐	☐	<0.85	0.002					1	ug/L	lbm/day			
14V. 1,1-Dichloroethane (75-34-3)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
15V. 1,2-Dichloroethane (107-06-2)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
16V. 1,1-Dichloroethylene (75-35-4)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
17V. 1,2-Dichloropropane (78-87-5)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
18V. 1,3-Dichloropropylene (542-75-6)	☒	☐	☐	<1	0.003					1	ug/L	lbm/day			
19V. Ethylbenzene (100-41-4)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
20V. Methyl Bromide (74-83-9)	☒	☐	☐	<0.98	0.003					1	ug/L	lbm/day			
21V. Methyl Chloride (74-87-3)	☒	☐	☐	<0.83	0.002					1	ug/L	lbm/day			
22V. Methylene Chloride (74-98-2)	☒	☐	☐	<3	0.008					1	ug/L	lbm/day			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
24V. Tetrachloroethylene (127-18-4)	☒	☐	☐	<0.58	0.002					1	ug/L	lbm/day			

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
25V. Toluene (108-88-3)	☒	☐	☐	<0.7	0.002					1	ug/L	lbm/day			
26V. 1,2-Trans-Dichloroethylene (156-60-5)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
27V. 1,1,2-Trichloroethane (71-55-6)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
28V. 1,1,2-Trichloroethane (79-00-5)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
29V. Trichloroethylene (79-01-6)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
30V. Trichlorofluoromethane (75-69-4)	☒	☐	☐	<0.52	0.001					1	ug/L	lbm/day			
31V. Vinyl Chloride (75-01-4)	☒	☐	☐	<0.5	0.001					1	ug/L	lbm/day			
1A. 2-Chlorophenol (95-57-8)	☒	☐	☐	<2.1	0.005					1	ug/L	lbm/day			
2A. 2,4-Dichlorophenol (120-83-2)	☒	☐	☐	<2.86	0.007					1	ug/L	lbm/day			
3A. 2,4-Dimethylphenol (105-67-9)	☒	☐	☐	<3.33	0.009					1	ug/L	lbm/day			
4A. 4,6-Dinitro-O-Cresol (534-53-1)	☒	☐	☐	<1.9	0.005					1	ug/L	lbm/day			
5A. 2,4-Dinitrophenol (51-28-5)	☒	☐	☐	<3.24	0.008					1	ug/L	lbm/day			
6A. 2-Nitrophenol (88-75-5)	☒	☐	☐	<0.619	0.002					1	ug/L	lbm/day			
7A. 4-Nitrophenol (100-02-7)	☒	☐	☐	<2	0.005					1	ug/L	lbm/day			
8A P-Chloro-M-Cresol (59-50-7)	☒	☐	☐	<3.62	0.009					1	ug/L	lbm/day			
9A Pentachlorophenol (87-86-5)	☒	☐	☐	<1.72	0.004					1	ug/L	lbm/day			
10A Phenol (108-95-2)	☒	☐	☐	<2.48	0.006					1	ug/L	lbm/day			
11A 2,4,5-Trichlorophenol (88-06-2)	☒	☐	☐	<3.33	0.009					1	ug/L	lbm/day			
1B. Acenaphthene (63-32-9)	☒	☐	☐	<0.438	0.001					1	ug/L	lbm/day			
2B. Acenaphthylene (208-96-8)	☒	☐	☐	<0.533	0.001					1	ug/L	lbm/day			
3B. Anthracene (120-12-7)	☒	☐	☐	<0.4	0.001					1	ug/L	lbm/day			
4B. Benzidine (92-87-5)	☒	☐	☐	<19	0.049					1	ug/L	lbm/day			

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
5B. Benzo (a) Anthracene (56-55-3)	☒	☐	☐	<0.324	0.001					1	ug/L	lbm/day			
6B. Benzo (a) Pyrene (50-32-8)	☒	☐	☐	<0.41	0.001					1	ug/L	lbm/day			
7B. 3,4-Benzo-fluoranthene (205-99-2)	☒	☐	☐	<0.362	0.001					1	ug/L	lbm/day			
8B. Benzo (ghi) Perylene (191-24-2)	☒	☐	☐	<1.01	0.003					1	ug/L	lbm/day			
9B. Benzo (k) Fluoranthene (207-08-9)	☒	☐	☐	<0.514	0.001					1	ug/L	lbm/day			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	☒	☐	☐	<0.657	0.002					1	ug/L	lbm/day			
11B. Bis (2-chloroethyl) Ether (111-44-4)	☒	☐	☐	<0.705	0.002					1	ug/L	lbm/day			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)	☒	☐	☐	<0.771	0.002					1	ug/L	lbm/day			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	☒	☐	☐	<2.15	0.006					1	ug/L	lbm/day			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	☒	☐	☐	<0.305	0.001					1	ug/L	lbm/day			
15B Butyl Benzyl Phthalate (84-68-7)	☒	☐	☐	<0.657	0.002					1	ug/L	lbm/day			
16B. 2-Chloronaphthalene (91-58-7)	☒	☐	☐	<0.495	0.001					1	ug/L	lbm/day			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	☒	☐	☐	<1.9	0.005					1	ug/L	lbm/day			
18B. Chrysene (218-01-9)	☒	☐	☐	<0.467	0.001					1	ug/L	lbm/day			
19B. Dibenzo (a,h) Anthracene (53-70-3)	☒	☐	☐	<1.11	0.003					1	ug/L	lbm/day			
20B. 1,2-Dichlorobenzene (95-50-1)	☒	☐	☐	<0.543	0.001					1	ug/L	lbm/day			
21B. 1,3-Dichlorobenzene (541-73-1)	☒	☐	☐	<0.448	0.001					1	ug/L	lbm/day			
22B. 1,4-Dichlorobenzene (106-46-7)	☒	☐	☐	<0.495	0.001					1	ug/L	lbm/day			
23B. 3,3'-Dichlorobenzidine (92-94-1)	☒	☐	☐	<2.48	0.006					1	ug/L	lbm/day			
24B. Diethyl Phthalate (84-66-2)	☒	☐	☐	<0.667	0.002					1	ug/L	lbm/day			
25B. Dimethyl Phthalate (131-11-3)	☒	☐	☐	<0.571	0.001					1	ug/L	lbm/day			
26B. Di-N-Butyl Phthalate (84-74-2)	☒	☐	☐	<2.57	0.007					1	ug/L	lbm/day			
27B. 2,4-Dinitrotoluene (121-14-2)	☒	☐	☐	<1.81	0.005					1	ug/L	lbm/day			
28B. 2,6-Dinitrotoluene (606-20-2)	☒	☐	☐	<1.81	0.005					1	ug/L	lbm/day			

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						d. No. of Analyses	4. Units		5. Intake (optional)		
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)			a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
29B. Di-N-Octyl Phthalate (117-84-0)	☒	☐	☐	<0.419	0.001					1	ug/L	lbm/day			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	☒	☐	☐	<0.952	0.002					1	ug/L	lbm/day			
31B. Fluoranthene (206-44-0)	☒	☐	☐	<0.733	0.002					1	ug/L	lbm/day			
32B. Fluorene (86-73-7)	☒	☐	☐	<0.533	0.001					1	ug/L	lbm/day			
33B. Hexachlorobenzene (118-74-1)	☒	☐	☐	<0.238	0.001					1	ug/L	lbm/day			
34B. Hexachlorobutadiene (87-68-3)	☒	☐	☐	<3.43	0.009					1	ug/L	lbm/day			
35B. Hexachlorocyclopentadiene (77-47-4)	☒	☐	☐	<2.48	0.006					1	ug/L	lbm/day			
36B. Hexachloroethane (67-72-1)	☒	☐	☐	<4	0.010					1	ug/L	lbm/day			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	☒	☐	☐	<0.971	0.003					1	ug/L	lbm/day			
38B. Isophorone (78-59-1)	☒	☐	☐	<0.543	0.001					1	ug/L	lbm/day			
39B. Naphthalene (91-20-3)	☒	☐	☐	<0.6	0.002					1	ug/L	lbm/day			
40B. Nitrobenzene (98-95-9)	☒	☐	☐	<0.524	0.001					1	ug/L	lbm/day			
41B N-Nitrosodimethylamine (62-75-9)	☒	☐	☐	<3.33	0.009					1	ug/L	lbm/day			
42B. N-Nitrosodi-N-Propylamine (621-64-7)	☒	☐	☐	<3.14	0.008					1	ug/L	lbm/day			
43B. N-Nitro-sodiphenylamine (86-30-6)	☒	☐	☐	<0.448	0.001					1	ug/L	lbm/day			
44B Phenanthrene (85-01-8)	☒	☐	☐	<0.39	0.001					1	ug/L	lbm/day			
45B. Pyrene (129-00-0)	☒	☐	☐	<1.04	0.003					1	ug/L	lbm/day			
46B. 1,2,4-Trichlorobenzene (120-82-1)	☒	☐	☐	<0.505	0.001					1	ug/L	lbm/day			
1P. Aldrin (309-00-2)	☒	☐	☐	<0.003	0.00001					1	ug/L	lbm/day			
2P. -BHC (319-84-6)	☒	☐	☐	<0.0036	0.00001					1	ug/L	lbm/day			
3P -BHC (319-85-7)	☒	☐	☐	<0.003	0.00001					1	ug/L	lbm/day			
4P. -BHC (58-89-9)	☒	☐	☐	<0.0027	0.00001					1	ug/L	lbm/day			
5P. -BHC (319-86-8)	☒	☐	☐	<0.025	0.00006					1	ug/L	lbm/day			

Facility ID. Number: FL0002283 Outfall No. I-012

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
6P. Chlordane (57-74-9)	☒	☐	☐	<0.13	0.00034					1	ug/L	lbm/day			
7P. 4,4'-DDT (50-29-3)	☒	☐	☐	<0.0039	0.00001					1	ug/L	lbm/day			
8P. 4,4'-DDE (72-55-9)	☒	☐	☐	<0.004	0.00001					1	ug/L	lbm/day			
9P. 4,4'-DDD (72-54-8)	☒	☐	☐	<0.003	0.00001					1	ug/L	lbm/day			
10P. Dieldrin (60-57-1)	☒	☐	☐	<0.0059	0.00002					1	ug/L	lbm/day			
11P. -Endosulfan (115-29-7)	☒	☐	☐	<0.003	0.00001					1	ug/L	lbm/day			
12P. -Endosulfan (115-29-7)	☒	☐	☐	<0.0074	0.00002					1	ug/L	lbm/day			
13P. Endosulfan Sulfate (1031-07-8)	☒	☐	☐	<0.0021	0.00001					1	ug/L	lbm/day			
14P. Endrin (72-20-8)	☒	☐	☐	<0.003	0.00001					1	ug/L	lbm/day			
15P. Endrin Aldehyde (7421-92-4)	☒	☐	☐	<0.0028	0.00001					1	ug/L	lbm/day			
16P. Heptachlor (76-44-8)	☒	☐	☐	<0.0031	0.00001					1	ug/L	lbm/day			
17P. Heptachlor Epoxide (1024-57-3)	☒	☐	☐	<0.0032	0.00001					1	ug/L	lbm/day			
18P. PCB-1242 (53469-21-9)	☒	☐	☐	<0.18	0.00047					1	ug/L	lbm/day			
19P. PCB-1254 (11097-69-1)	☒	☐	☐	<0.31	0.00080					1	ug/L	lbm/day			
20P. PCB-1221 (11104-28-2)	☒	☐	☐	<0.22	0.00057					1	ug/L	lbm/day			
21P. PCB-1232 (11141-16-5)	☒	☐	☐	<0.41	0.00106					1	ug/L	lbm/day			
22P. PCB-1248 (12672-29-6)	☒	☐	☐	<0.02	0.00005					1	ug/L	lbm/day			
23P. PCB-1260 (11096-82-5)	☒	☐	☐	0.034	0.00018					1	ug/L	lbm/day			
24P. PCB-1016 (12674-11-2)	☒	☐	☐	<0.048	0.00012					1	ug/L	lbm/day			
25P. Toxaphene (8001-35-2)	☒	☐	☐	<0.4	0.00103					1	ug/L	lbm/day			

Attachment 5

PLEASE PRINT OR TYPE ONLY: You may report some or all of this information on separate sheets instead of completing these pages. Use the same format.

SEE INSTRUCTIONS.

V. INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. Pollutant	2. Effluent						3.. Units		4. Intake (optional)			
	a. Max. Daily Value		b. Max. 30-day Value		c. Annual Avg. Value		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. BOD, Carbonaceous , 5-day, 20 Deg. C.	<6.4						1	mg/L				
b. Chemical Oxygen Demand (COD)	2.37						1	mg/L				
c. Total Organic Carbon (TOC)	<3.2						1	mg/L				
d. Total Suspended Solids (TSS)	<0.26						1	mg/L				
e. Total Nitrogen (as N)	0.125						1	mg/l				
f. Total Phosphorus (as P)	<0.016						1	mg/L				
g. Ammonia (as N)	<6.4						1	mg/L				
h. Flow - actual or projected	Value		Value		Value 0.01104		estimated	MGD		Value		
i. Flow - design	Value NA		Value		Value					Value		
j. Specific Conductivity	Value 611		Value		Value		2	Ms/cm		Value		
k. Temperature (winter)	Value 21.5		Value		Value			°C		Value		
l. Temperature (summer)	Value 27.0		Value		Value			°C		Value		
m. pH	Min. 6.55	Max 8.14	Min.	Max.				STANDARD UNITS				

*Conc. = Concentration

PART B - Mark "X" in column 2a for each pollutant you know or have reason to believe is present. Mark "X" in column 2b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent						4. Units		5. Intake (optional)			
	a. be- lieved present	b. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
a. Bromide (24949-67-9)	☒	☐	0.2						1	mg/L				
b. Chlorine, Total Residual	☐	☒							1	Mg/l				
c. Color	☒	☐	8.5						1	Color Units				
d. Fecal Coliform	☒	☐	34						1	MPN/100 ml				
e. Fluoride (16984-48-8)	☒	☐	0.3						1	mg/L				
f. Nitrate-Nitrite (as N)	☒	☐	<0.018						1	mg/L				

Item V-B Contd

Facility ID. Number: FL0002283 Outfall No. I-012

1. Pollutant and CAS No. (if available)	2. Mark "X"		3. Effluent								4. Units		5. Intake (optional)		
	a. believed present	b. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass		a. Long Term Avg. Value		b. No. of Analyses
			(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass					(1) Conc.	(2) Mass	
g. Nitrogen, Total Organic (as N)	☒	☐	<0.26						1	mg/L					
h. Oil and grease	☒	☐	2.72						1	mg/L					
i. Phosphorus, Total (as P) (7723-14-0)	☒	☐	0.125						1	mg/L					
j. Radioactivity															
(1) Alpha, Total	☒	☐	3.9 +/- 1.9						1	pCi/l					
(2) Beta, Total	☒	☐	7.3 +/- 1.9						1	pCi/l					
(3) Radium, Total	☒	☐	0.8 +/- 0.3						1	pCi/l					
(4) Radium 226, Total	☒	☐	0.2 +/- 0.09						1	pCi/l					
k. Sulfate (as SO ₄) (14808-79-8)	☒	☐	117						1	mg/L					
l. Sulfide (as S)	☐	☒	<1						1	mg/L					
m. Sulfite (as SO ₃) (14265-45-3)	☒	☐	5						1	mg/L					
n. Surfactants	☐	☒	<0.12						1	Mg/l LAS MW					
o. Aluminum, Total (7429-90-5)	☒	☐	<0.04						1	mg/L					
p. Barium, Total (7440-39-3)	☒	☐	0.208						1	mg/L					
q. Boron, Total (7440-42-8)	☒	☐	1.26						1	mg/L					
r. Cobalt, Total (7440-48-4)	☐	☒	<0.003						1	mg/L					
s. Iron, Total (7439-89-6)	☒	☐	0.539						1	mg/L					
t. Magnesium, Total (7439-95-4)	☒	☐	11.8						1	mg/L					
u. Molybdenum, Total (7439-98-7)	☒	☐	0.0449						1	mg/L					
v. Manganese, Total (7439-96-5)	☒	☐	0.444						1	mg/L					
w. Tin, Total (7440-31-5)	☐	☒	<0.005						1	mg/L					
x. Titanium, Total (7440-32-6)	☐	☒	<0.0015						1	mg/L					

Facility ID. Number: FL0002283 Outfall No. I-012

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2a for all GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2a (secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions), mark "X" in column 2b for each pollutant you know or have reason to believe is present. Mark "X" in column 2c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	☒	☐	☐	<0.0023						1	mg/L				
2M. Arsenic, Total (7723-14-0)	☒	☐	☐	0.133						1	mg/L				
3M. Beryllium, Total (7440-41-7)	☒	☐	☐	<0.001						1	mg/L				
4M. Cadmium, Total (7440-43-9)	☒	☐	☐	<0.001						1	mg/L				
5M. Chromium, Total (7440-47-3)	☒	☐	☐	<0.002						1	mg/L				
6M. Copper, Total (7440-50-8)	☒	☐	☐	<0.002						1	mg/L				
7M. Lead, Total (7439-92-1)	☒	☐	☐	0.00504						1	mg/L				
8M. Mercury, Total (7439-97-6)	☒	☐	☐	0.0002						1	ug/L				
9M. Nickel, Total (7440-02-0)	☒	☐	☐	<0.003						1	mg/L				
10M. Selenium, Total (7782-49-2)	☒	☐	☐	0.004						1	mg/L				
11M. Silver, Total (7440-22-4)	☒	☐	☐	<0.002						1	mg/L				
12M. Thallium, Total (7440-28-0)	☒	☐	☐	<0.0005						1	mg/L				
13M. Zinc, Total (7440-66-6)	☒	☐	☐	<0.008						1	mg/L				
14M. Cyanide, Total (57-12-5)	☒	☐	☐	<0.005						1	mg/L				
15M. Phenols, Total	☒	☐	☐	<0.0045						1	mg/L				
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)	☐	☐	☒												
GC/MS FRACTION -VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	☒	☐	☐	<10						1	ug/L				
2V. Acrylonitrile (107-13-1)	☒	☐	☐	<2.8						1	ug/L				

Facility ID. Number: FL0002283 Outfall No. I-012

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a . testing required	b. be- lieved present	c. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
3V. Benzene (71-43-2)	☒	☐	☐	<0.38						1	ug/L				
4V. Bis (Chloromethyl) Ether (542-88-1)	☒	☐	☒	<5						4	ug/L				
5V. Bromoform (75-25-2)	☒	☐	☐	<0.71						1	ug/L				
6V. Carbon Tetrachloride (56-23-5)	☒	☐	☐	<0.5						1	ug/L				
7V Chlorobenzene (108-90-7)	☒	☐	☐	<0.5						1	ug/L				
8V. Chlorodi- bromomethane (124-8-1)	☒	☐	☐	<0.5						1	ug/L				
9V. Chloroethane (74-00-3)	☒	☐	☐	<0.76						1	ug/L				
10V. 2-Chloro-ethylvinyl Ether (110-75-8)	☒	☐	☐	<2						1	ug/L				
11V. Chloroform (67-86-3)	☒	☐	☐	<0.6						1	ug/L				
12V. Dichloro- bromomethane (75-24-4)	☒	☐	☐	<0.5						1	ug/L				
13V. Dichloro- difluoromethane (75-71-8)	☒	☐	☐	<0.85						1	ug/L				
14V. 1,1-Dichloroethane (75-34-3)	☒	☐	☐	<0.5						1	ug/L				
15V. 1,2-Dichloroethane (107-06-2)	☒	☐	☐	<0.5						1	ug/L				
16V. 1,1-Dichloroethylene (75-35-4)	☒	☐	☐	<0.5						1	ug/L				
17V. 1,2,-Dichloropropane (78-87-5)	☒	☐	☐	<0.5						1	ug/L				
18V. 1,3-Dichloropropylene (542-75-6)	☒	☐	☐	<1						1	ug/L				
19V. Ethylbenzene (100-41-4)	☒	☐	☐	<0.5						1	ug/L				
20V. Methyl Bromide (74-83-9)	☒	☐	☐	<0.98						1	ug/L				
21V. Methyl Chloride (74-87-3)	☒	☐	☐	<0.83						1	ug/L				
22V. Methylene Chloride (74-98-2)	☒	☐	☐	<3						1	ug/L				
23V. 1,1,2,2-Tetra- chloroethane (79-34-5)	☒	☐	☐	<0.5						1	ug/L				
24V. Tetrachloroethylene (127-18-4)	☒	☐	☐	<0.58						1	ug/L				

Facility ID. Number: FL0002283 Outfall No. I-012

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b.Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
25V. Toluene (108-88-3)	☒	☐	☐	<0.7						1	ug/L				
26V. 1,2-Trans-Dichloroethylene (156-60-5)	☒	☐	☐	<0.5						1	ug/L				
27V. 1,1,2-Trichloroethane (71-55-6)	☒	☐	☐	<0.5						1	ug/L				
28V. 1,1,2-Trichloroethane (79-00-5)	☒	☐	☐	<0.5						1	ug/L				
29V. Trichloroethylene (79-01-6)	☒	☐	☐	<0.5						1	ug/L				
30V. Trichloro-fluoromethane (75-69-4)	☒	☐	☐	<0.52						1	ug/L				
31V. Vinyl Chloride (75-01-4)	☒	☐	☐	<0.5						1	ug/L				
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	☒	☐	☐	<2.1						1	ug/L				
2A. 2,4-Dichlorophenol (120-83-2)	☒	☐	☐	<2.86						1	ug/L				
3A. 2,4-Dimethylphenol (105-67-9)	☒	☐	☐	<3.33						1	ug/L				
4A. 4,6-Dinitro-O-Cresol (534-53-1)	☒	☐	☐	<1.9						1	ug/L				
5A. 2,4-Dinitrophenol (51-28-5)	☒	☐	☐	<3.24						1	ug/L				
6A. 2-Nitrophenol (88-75-5)	☒	☐	☐	<0.619						1	ug/L				
7A. 4-Nitrophenol (100-02-7)	☒	☐	☐	<2						1	ug/L				
8A. P-Chloro-M-Cresol (59-50-7)	☒	☐	☐	<3.62						1	ug/L				
9A. Pentachlorophenol (87-86-5)	☒	☐	☐	<1.72						1	ug/L				
10A. Phenol (108-95-2)	☒	☐	☐	<2.48						1	ug/L				
11A. 2,4,5-Trichloro-phenol (88-06-2)	☒	☐	☐	<3.33						1	ug/L				
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (63-32-9)	☒	☐	☐	<0.438						1	ug/L				
2B. Acenaphthylene (208-96-8)	☒	☐	☐	<0.533						1	ug/L				
3B. Anthracene (120-12-7)	☒	☐	☐	<0.4						1	ug/L				
4B. Benzidine (92-87-5)	☒	☐	☐	<19						1	ug/L				

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a . testing required	b. be- lieved present	c. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
5B. Benzo (a) Anthracene (56-55-3)	☒	☐	☐	<0.324						1	ug/L				
6B. Benzo (a) Pyrene (50-32-8)	☒	☐	☐	<0.41						1	ug/L				
7B. 3,4-Benzo-fluoranthene (205-99-2)	☒	☐	☐	<0.362						1	ug/L				
8B. Benzo (ghi) Perylene (191-24-2)	☒	☐	☐	<1.01						1	ug/L				
9B. Benzo (k) Fluoranthene (207-08-9)	☒	☐	☐	<0.514						1	ug/L				
10B. Bis (2-Chloroethoxy) Methane (111-91-1)	☒	☐	☐	<0.657						1	ug/L				
11B. Bis (2-chloroethyl) Ether (111-44-4)	☒	☐	☐	<0.705						1	ug/L				
12B. Bis (2-Chloropropyl) Ether (102-60-1)	☒	☐	☐	<0.771						1	ug/L				
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)	☒	☐	☐	<2.15						1	ug/L				
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	☒	☐	☐	<0.305						1	ug/L				
15B Butyl Benzyl Phthalate (84-68-7)	☒	☐	☐	<0.657						1	ug/L				
16B. 2-Chloronaphthalene (91-58-7)	☒	☐	☐	<0.495						1	ug/L				
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	☒	☐	☐	<1.9						1	ug/L				
18B. Chrysene (218-01-9)	☒	☐	☐	<0.467						1	ug/L				
19B. Dibenzo (a,h) Anthracene (53-70-3)	☒	☐	☐	<1.11						1	ug/L				
20B. 1,2-Dichlorobenzene (95-50-1)	☒	☐	☐	<0.543						1	ug/L				
21B. 1,3-Dichlorobenzene (541-73-1)	☒	☐	☐	<0.448						1	ug/L				
22B. 1,4-Dichlorobenzene (106-46-7)	☒	☐	☐	<0.495						1	ug/L				
23B. 3,3'-Dichlorobenzidine (92-94-1)	☒	☐	☐	<2.48						1	ug/L				
24B. Diethyl Phthalate (84-66-2)	☒	☐	☐	<0.667						1	ug/L				
25B. Dimethyl Phthalate (131-11-3)	☒	☐	☐	<0.571						1	ug/L				
26B. Di-N-Butyl Phthalate (84-74-2)	☒	☐	☐	<2.57						1	ug/L				
27B. 2,4-Dinitrotoluene (121-14-2)	☒	☐	☐	<1.81						1	ug/L				
28B. 2,6-Dinitrotoluene (606-20-2)	☒	☐	☐	<1.81						1	ug/L				

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						d. No. of Analyses	4. Units		5. Intake (optional)		
	a. testing required	b. believed present	c. believed absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)			a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
29B. Di-N-Octyl Phthalate (117-84-0)	☒	☐	☐	<0.419						1	ug/L				
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	☒	☐	☐	<0.952						1	ug/L				
31B. Fluoranthene (206-44-0)	☒	☐	☐	<0.733						1	ug/L				
32B. Fluorene (86-73-7)	☒	☐	☐	<0.533						1	ug/L				
33B. Hexachlorobenzene (118-74-1)	☒	☐	☐	<0.238						1	ug/L				
34B. Hexachlorobutadiene (87-68-3)	☒	☐	☐	<3.43						1	ug/L				
35B. Hexachlorocyclopentadiene (77-47-4)	☒	☐	☐	<2.48						1	ug/L				
36B. Hexachloroethane (67-72-1)	☒	☐	☐	<4						1	ug/L				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	☒	☐	☐	<0.971						1	ug/L				
38B. Isophorone (78-59-1)	☒	☐	☐	<0.543						1	ug/L				
39B. Naphthalene (91-20-3)	☒	☐	☐	<0.6						1	ug/L				
40B. Nitrobenzene (98-95-9)	☒	☐	☐	<0.524						1	ug/L				
41B N-Nitrosodimethylamine (62-75-9)	☒	☐	☐	<3.33						1	ug/L				
42B. N-Nitrosodi-N-Propylamine (621-64-7)	☒	☐	☐	<3.14						1	ug/L				
43B. N-Nitrosodiphenylamine (86-30-6)	☒	☐	☐	<0.448						1	ug/L				
44B Phenanthrene (85-01-8)	☒	☐	☐	<0.39						1	ug/L				
45B. Pyrene (129-00-0)	☒	☐	☐	<1.04						1	ug/L				
46B. 1,2,4-Trichlorobenzene (120-82-1)	☒	☐	☐	<0.505						1	ug/L				
MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	☐	☐	☒	<0.003						1	ug/L				
2P. -BHC (319-84-6)	☐	☐	☒	<0.0036						1	ug/L				
3P -BHC (319-85-7)	☐	☐	☒	<0.003						1	ug/L				
4P. -BHC (58-89-9)	☐	☐	☒	<0.0027						1	ug/L				
5P. -BHC (319-86-8)	☐	☐	☒	<0.025						1	ug/L				

Facility ID. Number: FL0002283

Outfall No. I-012

1. Pollutant and CAS No. (if available)	2. Mark "X"			3. Effluent						4. Units		5. Intake (optional)			
	a . testing required	b. be- lieved present	c. be- lieved absent	a. Maximum Daily Value		b. Max. 30-day Value (if available)		c. Long Term Avg. Value (if available)		d. No. of Analyses	a. Conc.	b. Mass	a. Long Term Avg. Value		b. No. of Analyses
				(1) Conc.	(2) Mass	(1) Conc.	(2) Mass	(1) Conc.	(2) Mass				(1) Conc.	(2) Mass	
6P. Chlordane (57-74-9)	☐	☐	☒	<0.13						1	ug/L				
7P. 4,4'-DDT (50-29-3)	☐	☐	☒	<0.0039						1	ug/L				
8P. 4,4'-DDE (72-55-9)	☐	☐	☒	<0.004						1	ug/L				
9P. 4,4'-DDD (72-54-8)	☐	☐	☒	<0.003						1	ug/L				
10P. Dieldrin (60-57-1)	☐	☐	☒	<0.0059						1	ug/L				
11P. -Endosulfan (115-29-7)	☐	☐	☒	<0.003						1	ug/L				
12P. -Endosulfan (115-29-7)	☐	☐	☒	<0.0074						1	ug/L				
13P. Endosulfan Sulfate (1031-07-8)	☐	☐	☒	<0.0021						1	ug/L				
14P. Endrin (72-20-8)	☐	☐	☒	<0.003						1	ug/L				
15P. Endrin Aldehyde (7421-92-4)	☐	☐	☒	<0.0028						1	ug/L				
16P. Heptachlor (76-44-8)	☐	☐	☒	<0.0031						1	ug/L				
17P. Heptachlor Epoxide (1024-57-3)	☐	☐	☒	<0.0032						1	ug/L				
18P. PCB-1242 (53469-21-9)	☐	☐	☒	<0.18						1	ug/L				
19P. PCB-1254 (11097-69-1)	☐	☐	☒	<0.31						1	ug/L				
20P. PCB-1221 (11104-28-2)	☐	☐	☒	<0.22						1	ug/L				
21P. PCB-1232 (11141-16-5)	☐	☐	☒	<0.41						1	ug/L				
22P. PCB-1248 (12672-29-6)	☐	☐	☒	<0.02						1	ug/L				
23P. PCB-1260 (11096-82-5)	☐	☐	☒	0.034						1	ug/L				
24P. PCB-1016 (12674-11-2)	☐	☐	☒	<0.048						1	ug/L				
25P. Toxaphene (8001-35-2)	☐	☐	☒	<0.4						1	ug/L				



EVALUATION OF PLANT SCHOLZ
ASH POND DISCHARGE TO GROUNDWATER

EVALUATION OF PLANT SCHOLZ ASH POND DISCHARGE TO GROUNDWATER

**Gulf Power Company
Scholz Electric Generating Plant
Sneads, Florida**

Submitted to: Mr. Richard Markey
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0328 USA

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Distribution:

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May 2015

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1.0 INTRODUCTION

Based on numerical groundwater modeling of the Plant Scholz ash pond and a detailed water budget analysis of the surficial aquifer, the ash pond annual average discharge to ground water is calculated to be between 6,050 gallons per day (gpd) and 11,040 gpd. The basis for the calculation and conclusion is described below.

Section 2.0 discusses the regional water budget around the Plant Scholz facility. This information is used to establish reasonable values for some of the hydrologic input parameters. Section 3.0 describes the groundwater hydrology at the plant site and provides a reasonable range of values for hydrogeologic parameters. Section 4.0 describes the measured and contoured potentiometric water levels in the surficial aquifer and discusses some preliminary modeling results. Section 5.0 describes the multilayer groundwater model for the lower ash pond area that was used to calculate groundwater discharge from the lower ash pond, including flow through the seepage face on the inside of the lower berm. Section 6.0 discusses the surficial aquifer water balance used to calculate hydrologic flows through the surficial aquifer and the total ash pond discharge to groundwater. Section 7.0 describes an alternative water balance used to calculate the maximum ash pond discharge to groundwater.



2.0 REGIONAL WATER BUDGET

Annual average precipitation (P) in the area of Plant Scholz is approximately 54 inches per year (NOAA 30-year normal at the Woodruff Dam, 1981-2010, <http://www.ncdc.noaa.gov/cdo-web/datatools/normals>). Annual average evapotranspiration (ET) is approximately 33 inches, lake evaporation is approximately 45 inches and total surface runoff (RO: direct and indirect) is approximately 19 inches (Fernald and Patton, Water Resources Atlas of Florida, Florida State University, Institute of Science and Public Affairs, 1984). Therefore, recharge to the Floridan is estimated to be less than 2 inches per year (P-ET-RO). This estimate of Floridan aquifer recharge is consistent with the estimate given in the USGS Map Series (Map 98, J.W. Stewart, Tallahassee, Florida, 1980). Based on climate data from Quincy and Chipley, Florida (<http://climatecenter.fsu.edu/climate-data-access-tools/climate-data-visualization>) and using the curve number methodology, direct surface runoff from upland areas is estimated to be between 9 and 15 inches per year. Therefore, recharge to the surficial aquifer is estimated to be between 4 and 10 inches per year.



3.0 GROUNDWATER HYDROLOGY OF THE PLANT SCHOLZ SITE

There are three hydrogeologic units at the Plant Scholz site that are important in understanding the geohydrology. In descending order they are: the unconfined surficial or water table aquifer (referred to in the groundwater monitoring plans as Unit 1), the clay confining unit (Unit 2) and the confined Floridan aquifer (Unit 3).

Unit 1 is composed of unconsolidated sands, silts and clays. It is between 5 and 20 feet thick at the site. The horizontal permeability is generally between 0.5 and 2.0 feet per day. The vertical permeability is between $1.0\text{E-}04$ and 2 feet/day.

The clay unit (Unit 2) between the surficial aquifer and the Floridan aquifer is between 30 and 50 feet thick over most of the site. This unit becomes thinner near the Apalachicola River. The vertical permeability of this unit is between $1.0\text{E-}05$ and $1.0\text{E-}03$ feet/day. Due to the thickness and the low vertical permeability of this layer, movement of water between the surficial and the Floridan aquifers is limited over most of the site.

The upper portion of Floridan aquifer (Unit 3) is composed of limestone approximately 250 feet thick. The permeability is estimated to be between 250 and 500 feet/day.



4.0 POTENTIOMETRIC WATER LEVELS IN THE SURFICIAL AQUIFER (UNIT 1)

Potentiometric water levels in the surficial aquifer (Unit 1) are shown in Exhibit 1. These contours are based on water levels measured in four surficial aquifer monitoring wells on February 18, 2014. The contours were calculated using Civil-3D, a contouring package that is part of AutoCAD, which is commercially available software. Also shown on this exhibit is a profile or cross-section line that passes through the up gradient monitoring well and the ash pond V-notch weir outflow control structure. Based on the contoured water levels, the horizontal hydraulic gradient in the surficial aquifer near the lower ash pond berm is between 0.067 ft/ft $[(80-60)/300]$ and .070 ft/ft $[(75-65)/142]$.

Exhibit 2A is a location map showing the cross-section (line A-A'), well and boring log information and 10-foot topographic contours overlaid on an aerial photograph of the ash pond and surrounding areas. The origin of line A-A' corresponds approximately to a topographic divide that is oriented northeast to southwest and located approximately 600 to 700 feet northwest of monitoring well MWB-2051 (near the northwest corner of the Plant Scholz property boundary). This topographic divide likely corresponds approximately with a groundwater divide. At Plant Scholz, groundwater in Unit 1 flows from the topographic divide to the southeast toward the Apalachicola River.

Exhibit 2B shows a vertical cross-section of the aquifer system along the line A-A'. The top and bottom of the confining unit between the surficial aquifer and the Floridan aquifer was contoured using elevation data from the wells shown on Exhibit 2A. The potentiometric water levels in the Unit 1 aquifer are based on monitor well data from February 18, 2014 (see Exhibit 1). Also shown in this exhibit are the predicted potentiometric water levels in the surficial aquifer calculated using a single-layer MODFLOW model after calibration using the Parameter Estimation program called PEST. In this model, the confining unit is considered to be a no-flow boundary; and the ash pond areas and the area up-gradient of the ash pond are simulated as recharge boundaries. The model was calibrated by adjusting the recharge rates in each area to match seven water level targets along the profile determined from the contoured water level data. The PEST model calibration assigned over 99 percent of the recharge to the up-gradient area and less than 1 percent to the ash pond areas. The results of this preliminary modeling effort indicate that the groundwater recharge rate from the ash pond is low.

5.0 MULTILAYER GROUNDWATER MODEL OF THE LOWER ASH POND

To evaluate groundwater discharge from the lower ash pond, including flow through the seepage face on the inside of the berm, a second groundwater model of the lower ash pond and lower berm was setup and run. This model used a more refined vertical cell structure (model layers are 1 foot thick) to simulate the flow through the ash, the berm and the Unit 1 aquifer. Exhibit 3 shows a cross-section of the model including potentiometric contours. In this model, the confining unit is a no-flow boundary. The ash, the Unit 1 aquifer and the berm are zoned as three distinct materials. The hydrogeologic properties are shown on Exhibit 3. Note that Exhibit 3 uses an expanded vertical scale relative to the horizontal scale, which makes the slope of the berm appear much steeper than it is in reality.

The up-gradient and down-gradient general-head boundary (GHB) potentiometric water levels in the Unit 1 aquifer (91 feet and 60 feet, respectively) were obtained from the potentiometric contour map (Exhibit 1) and from the topographic contours on Exhibit 2A that shows the head of the gully is at approximately the 60-foot contour. Since the gully is dry except when the river stage is high or following a significant storm event, this represents a conservative down-gradient boundary condition.

To account for standing water above the ash, a constant-head boundary was included in the model above the ash and the water level was set at the invert elevation of the ash pond outflow drop structure (97.90 feet). Based on observation, the seepage face at the berm (i.e., the standing water above the ash, was estimated to be approximately 2 feet. To account for potential seepage flow out of the down-slope side of the model, drain cells were included at the land surface between elevation 83 and the down-gradient GHB. The invert elevations for all drain cells were set to the land surface elevation.

Since the berm was likely constructed from mixed and compacted Unit 1 material, the horizontal hydraulic conductivity of the berm was assigned a value equal to the lower limit of the horizontal hydraulic conductivity estimate for Unit 1 (0.5 feet/day); and the vertical hydraulic conductivity was assigned a value of 0.1 feet/day, which gives an anisotropy ratio (H/V) of 5.

The horizontal hydraulic conductivity of Unit 1 was also assigned a value equal to the lower limit of the estimated range (0.5 feet/day). The vertical hydraulic conductivity of Unit 1 was set to 0.01, which is approximately the geometric mean of the minimum and maximum values measured in this unit. This results in an anisotropy ratio (H/V) for Unit 1 of 50. The anisotropy ratio (H/V) for the ash was estimated to be approximately 10.

Finally, the vertical hydraulic conductivity of the ash was adjusted until the phreatic surface at the outside of the berm was 75 feet (i.e., the approximate elevation of the lowest observed seep).

The model results show that groundwater flows from the ash pond down to the surficial aquifer (Unit 1) and then flows toward the river. However, most of the groundwater flow from the lower ash pond

originates at the seepage face on the inside of the berm. The vertical infiltration rate through the ash is 0.35 inches per year.



6.0 SURFICIAL AQUIFER WATER BALANCE

Using the geohydrologic information and the groundwater modeling results discussed above, a detailed water balance was developed for the Plant Scholz ash pond. The control volume is 1 foot wide and follows the cross-sectional profile used for the groundwater modeling. The final results are then multiplied by the width of the ash pond in the direction perpendicular to the profile, which is approximately 1200 feet. The water balance also accounts for downward vertical leakage through the confining layer between the surficial aquifer and the Floridan aquifer. The detailed water balance using input values from the final multilayer groundwater model simulation is shown in Table 1. For reference, the regional water budget information is summarized at the top of the water balance table. When the water budget is appropriately balanced (i.e., inflows equal outflows), the water budget error, shown at the bottom of the table (highlighted in yellow), will be zero.

In Section 1 of the water balance, inflow from recharge up-gradient of the ash pond is calculated based on an estimated surficial aquifer recharge rate. The recharge length along the profile is 1200 feet. When the water budget is balanced, the surficial aquifer recharge rate and the Unit 1 horizontal hydraulic conductivity shown in Section 6 of the water balance (also highlighted in yellow) must be within the expected reasonable range for each parameter. As discussed in the regional water budget section of this report, the surficial aquifer recharge value should be in the range of 4 to 10 inches per year. Based on data from the Plant Scholz site, the Unit 1 horizontal hydraulic conductivity should be in the range of 0.5 to 2.0 feet/day.

Section 2 of the water balance calculates inflow from the lower ash pond area based on the groundwater model results for the lower ash pond infiltration rate and the seepage face recharge rate.

Section 3 of the water balance calculates the inflow from the middle and upper ash pond areas along the path of the cross-section using the infiltration rate per unit area calculated from the multilayer model of the lower ash pond area.

Available information on the confining unit vertical hydraulic conductivity is summarized below Section 3 in the water balance table. The last value listed is the value used in the water balance calculations. Since the confining layer begins to thin near the lower ash pond, the groundwater outflow from the surficial aquifer to the Floridan aquifer was calculated separately for these two areas.

Section 4 of the water balance calculates the outflow through the confining layer up-gradient of the lower ash pond; and Section 5 calculates the outflow through the confining layer in the area of the lower ash pond. The total recharge to the Floridan aquifer is calculated in the results section, at the bottom of the table.



Based on the regional estimate of the Floridan aquifer recharge rate (<2 inches/year), the average vertical hydraulic conductivity of the confining layer should be less than $4.3\text{E-}04$ feet/day. The geometric mean of the minimum and the maximum reported values is $8.2\text{E-}05$ feet/day, which gives a Floridan aquifer recharge rate of 0.38 inches/year. This represents a reasonable lower limit. The value used in the Table 1 water balance is $1.7\text{E-}04$ feet/day, which gives a Floridan aquifer recharge rate of 0.79 inches/year. This value was selected because it represents a reasonable middle estimate for Floridan aquifer recharge between 0 and 2 inches/year.

Section 6 of the water balance calculates the groundwater outflow through the Unit 1 surficial aquifer. The horizontal hydraulic gradient is from the potentiometric map (Exhibit 1). The horizontal hydraulic conductivity is determined by adjusting the value until the water budget is balanced (i.e., inflows equal outflows, and the water budget error is zero). The surficial aquifer recharge rate and the Unit 1 horizontal hydraulic conductivity values are both within a reasonable range.

The water budget results are shown at the bottom of Table 1. Under this scenario, the total ash pond discharge to groundwater is 6,050 gallons per day. The total ash pond inflow (infiltration plus seepage face inflow) is 36 percent ($8\% + 28\%$) of the Unit 1 outflow. This value is consistent with estimates based on water quality measurements taken from the seep and the ash pond samples in January 2015. The Floridan aquifer recharge is only 33 percent of the up-gradient surficial aquifer recharge. This indicates that water recharging the Floridan originates primarily in the area up-gradient of the ash pond.



7.0 ALTERNATIVE WATER BALANCE

The water balance shown in Table 1, as discussed above, provides the most probable estimate of the ash pond discharge to groundwater because three primary control parameters (i.e., the surficial aquifer recharge rate up-gradient of the ash pond, the surficial aquifer (Unit 1) horizontal hydraulic conductivity and the Floridan aquifer recharge rate) are all within their reasonable and expected range of values.

To determine a more conservative rate for the ash pond discharge to groundwater, an alternative water balance was developed. In the alternative water balance, the ash pond infiltration rate was increased until the three primary parameters could no longer be maintained within their reasonable range of values. The alternative water balance is shown in Table 2. In this water balance, the three control parameters are at their upper limits. The surficial aquifer recharge rate is 10 inches per year, the Unit 1 hydraulic conductivity is 2.0 feet per day and the Floridan aquifer recharge rate is 2 inches per year. The ash pond infiltration rate at the upper limit is 0.25 ft³/day/ft, or 2.2 inches/year.

In this scenario, the total ash pond discharge to groundwater is 11,040 gallons per day. The total ash pond inflow (infiltration plus seepage face inflow) is 49 percent (28% + 21%) of the Unit 1 outflow. This value is consistent with estimates based on water quality measurements taken from seep and ash pond samples in January 2015.

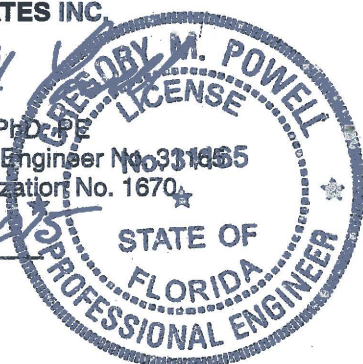
Based on the above analyses, the ash pond annual average discharge to ground water is calculated to be between 6,050 gpd and 11,040 gpd.

GOLDER ASSOCIATES INC

Gregory M. Powell
Gregory M. Powell, Ph.D., P.E.
Florida Professional Engineer No. 31165
Certificate of Authorization No. 1670

May 8, 2015
Date

GMP/ams



FN: G:\Projects\14-14-16206\NPDES Report for Renewal\Final\Evaluation of Ash Pond Discharge to GW.docx

TABLES

Table 1: Detailed Unit 1 Aquifer Water Balance Final Model

By: Gregory Powell

	Values	Units	Source
Annual Average Rainfall =	54 inches/yr		NOAA 30-year average annual
Annual Average Evapotranspiration =	33 inches/yr		Fernald & Patton, 1984
Total Surface (direct & indirect) Runoff =	19 inches/yr		Fernald & Patton, 1984
Recharge to Floridan Aquifer =	<2 inches/yr		Stewart, USGS Map Series
1: Inflow from Recharge Upgradient of Ash Ponds			
Length =	1200 feet		aerial photo; topo cross-section
Unit 1 Aquifer Recharge Rate (4 to 10) =	6.5 inches/yr		input value
Unit 1 Aquifer Recharge Rate =	13.321 gal/day/ft		calculated
Direct Surface Runoff =	12.5 inches/yr		calculated
2: Inflow from Lower Ash Pond			
Length =	500 feet		aerial photo; topo cross-section
Lower Ash Pond Infiltration Rate =	0.04 ft ³ /day/ft		Berm Model
Seepage Face Recharge Rate =	0.53 ft ³ /day/ft		Berm Model
Lower Ash Pond Infiltration Rate =	0.2992 gal/day/ft		calculated
Seepage Face Recharge Rate =	3.9644 gal/day/ft		calculated
3: Inflow from Upper and Middle Ash Ponds			
Length =	1300 feet		Unit 1 Model Profile
Upper & Middle Ash Ponds Infiltration Rate =	8.00E-05 ft/day		Same rate as lower pond
Upper & Middle Ash Ponds Infiltration Rate =	0.78 gal/day/ft		Calculated at unit gradient
Confining Unit Between Surficial and Floridan (Unit 2)			
Minimum Confining Unit Vertical Hydraulic Conductivity =	3.80E-09 cm/sec		Ardaman April 17, 1992, pge 3
Maximum Confining Unit Vertical Hydraulic Conductivity =	2.20E-07 cm/sec		Ardaman April 17, 1992, pge 4
Minimum Confining Unit Vertical Hydraulic Conductivity =	1.08E-05 feet/day		calculated
Maximum Confining Unit Vertical Hydraulic Conductivity =	6.24E-04 feet/day		calculated
Confining Unit Vertical Hydraulic Conductivity (used in calculations) =	1.70E-04 feet/day		input value - best estimate
4: Outflow to Floridan Aquifer Upgradient of Lower Ash Pond			
Length =	2500 feet		Sum of lengths from 1 & 3, above
Average Thickness of Confining Unit =	43.0 feet		Unit 1 model profile from GIS & well data
Average Head Difference Between Unit 1 and Unit 3 =	50.0 feet		Unit 1 model profile from GIS & well data
Outflow to Floridan =	3.70 gal/day/ft		calculated
5: Outflow to Floridan Aquifer from Lower Ash Pond & Berm			
Length =	750 feet		Unit 1 Model Profile (pond and berm)
Average Thickness of Confining Unit =	23.0 feet		Unit 1 model profile from GIS & well data
Average Head Difference Between Unit 1 and Unit 3 =	17.0 feet		Unit 1 model profile from GIS & well data
Outflow to Floridan =	0.70 gal/day/ft		calculated
6: Outflow from Unit 1 (horizontal toward river)			
Unit 1 Horizontal Hydraulic Conductivity =	1.5 ft/day		Input Value
Horizontal Hydraulic Gradient at Outlet =	0.0667 ft/ft		Potentiometric Map Exhibit 1
Average Aquifer Thickness at Outflow =	19 feet		Berm Model & unit 1 Model Profile
Outflow from Unit 1 =	1.866 ft ³ /day/ft		calculated
Outflow from Unit 1 =	13.96 gal/day/ft		calculated
Water Budget Error =	0.000		Used solver to make error = 0
Ash Pond Inflow as Percent of Total Inflow =	6%		Calculated
Ash Pond Inflow as Percent of Unit 1 Outflow =	8%		Calculated
Seepage Face Inflow as Percent of Total Inflow =	22%		Calculated
Seepage Face Inflow as Percent of Unit 1 Outflow =	28%		Calculated
Total Recharge to Floridan Aquifer =	4.40 gal/day/ft		Calculated
Total Recharge to Floridan Aquifer =	0.79 in/year		Calculated
Floridan Aquifer Recharge as Percent of Upgradient Recharge =	33%		Calculated
Surface Rainfall Runoff from Ash Ponds =	0.071 MGD		Calculated
Total Ash Pond Discharge to Groundwater =	5.04 gal/day/ft		Calculated
Total Ash Pond Discharge to Groundwater =	6050 gal/day		Based on ash pond width of 1200 feet

Table 2: Detailed Unit 1 Aquifer Water Balance Alternate Model

By: Gregory Powell

	Values	Units	Source
Annual Average Rainfall =	54 inches/yr		NOAA 30-year average annual
Annual Average Evapotranspiration =	33 inches/yr		Fernald & Patton, 1984
Total Surface (direct & indirect) Runoff =	19 inches/yr		Fernald & Patton, 1984
Recharge to Floridan Aquifer =	<2 inches/yr		Stewart, USGS Map Series
1: Inflow from Recharge Upgradient of Ash Ponds			
Length =	1200 feet		aerial photo; topo cross-section
Unit 1 Aquifer Recharge Rate (4 to 10) =	10 inches/yr		input value
Unit 1 Aquifer Recharge Rate =	20.493 gal/day/ft		calculated
Direct Surface Runoff =	9.0 inches/yr		calculated
2: Inflow from Lower Ash Pond			
Length =	500 feet		aerial photo; topo cross-section
Lower Ash Pond Infiltration Rate =	0.25 ft ³ /day/ft		Berm Model
Seepage Face Recharge Rate =	0.53 ft ³ /day/ft		Berm Model
Lower Ash Pond Infiltration Rate =	1.87 gal/day/ft		calculated
Seepage Face Recharge Rate =	3.9644 gal/day/ft		calculated
3: Inflow from Upper and Middle Ash Ponds			
Total Length =	1300 feet		Unit 1 Model Profile
Pond Length =	900 feet		Unit 1 Model Profile
Upper & Middle Ash Ponds Infiltration Rate =	5.00E-04 ft/day		Same rate as lower pond
Upper & Middle Ash Ponds Infiltration Rate =	3.37 gal/day/ft		Calculated at unit gradient
Confining Unit Between Surficial and Floridan (Unit 2)			
Minimum Confining Unit Vertical Hydraulic Conductivity =	3.80E-09 cm/sec		Ardaman April 17, 1992, pge 3
Maximum Confining Unit Vertical Hydraulic Conductivity =	2.20E-07 cm/sec		Ardaman April 17, 1992, pge 4
Minimum Confining Unit Vertical Hydraulic Conductivity =	1.08E-05 feet/day		calculated
Maximum Confining Unit Vertical Hydraulic Conductivity =	6.24E-04 feet/day		calculated
Confining Unit Vertical Hydraulic Conductivity (used in calculations) =	4.29E-04 feet/day		Best estimate
4: Outflow to Floridan Aquifer Upgradient of Lower Ash Pond			
Length =	2500 feet		Sum of lengths from 1 & 3, above
Average Thickness of Confining Unit =	43.0 feet		Unit 1 model profile from GIS & well data
Average Head Difference Between Unit 1 and Unit 3 =	50.0 feet		Unit 1 model profile from GIS & well data
Outflow to Floridan =	9.32 gal/day/ft		calculated
5: Outflow to Floridan Aquifer from Lower Ash Pond & Berm			
Length =	750 feet		Unit 1 Model Profile (pond and berm)
Average Thickness of Confining Unit =	23.0 feet		Unit 1 model profile from GIS & well data
Average Head Difference Between Unit 1 and Unit 3 =	17.0 feet		Unit 1 model profile from GIS & well data
Outflow to Floridan =	1.78 gal/day/ft		calculated
6: Outflow from Unit 1 (horizontal toward river)			
Unit 1 Horizontal Hydraulic Conductivity =	2.0 ft/day		Input Value
Horizontal Hydraulic Gradient at Outlet =	0.0667 ft/ft		Potentiometric Map Exhibit 1
Average Aquifer Thickness at Outflow =	19 feet		Berm Model & unit 1 Model Profile
Outflow from Unit 1 =	2.486 ft ³ /day/ft		calculated
Outflow from Unit 1 =	18.59 gal/day/ft		calculated
Water Budget Error =	0.000		Used solver to make error = 0
Ash Pond Inflow as Percent of Total Inflow =	18%		Calculated
Ash Pond Inflow as Percent of Unit 1 Outflow =	28%		Calculated
Seepage Face Inflow as Percent of Total Inflow =	13%		Calculated
Seepage Face Inflow as Percent of Unit 1 Outflow =	21%		Calculated
Total Recharge to Floridan Aquifer =	11.10 gal/day/ft		Calculated
Total Recharge to Floridan Aquifer =	2.00 in/year		Calculated
Floridan Aquifer Recharge as Percent of Upgradient Recharge =	54%		Calculated
Surface Rainfall Runoff from Ash Ponds =	0.066 MGD		Calculated
Total Ash Pond Discharge to Groundwater =	9.20 gal/day/ft		Calculated
Total Ash Pond Discharge to Groundwater =	11040 gal/day		Based on ash pond width of 1200 feet

EXHIBITS

N:\P\2014\14-10209B - RC Trunkline Drawings\1410209-9003.dwg | FIGURE — Modified: Tuesday, 01/01/2015 2:37 PM | Plotted: Tuesday, 04/02/15 | Jacksonville, FL

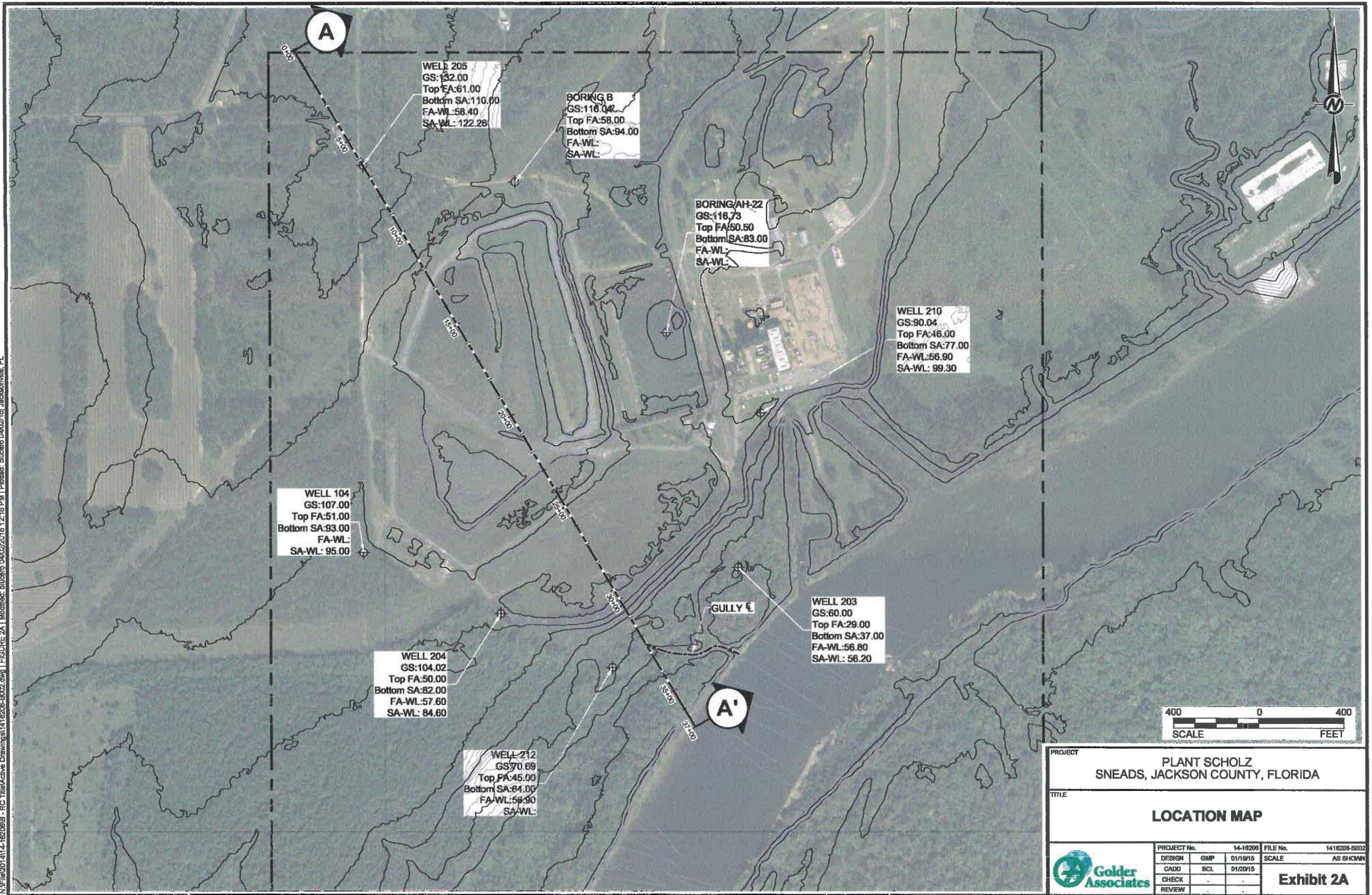


REV	DATE	BY	DESCRIPTION	CHKD	CHK	REV
PROJECT						
PLANT SCHOLZ SNEADS, JACKSON COUNTY, FLORIDA						
TITLE						
POTENTIOMETRIC MAP UNIT 1 WELLS (FEBRUARY 18, 2014)						
PROJECT No.			FILE No.			
DESIGN			SCALE			
CADD			AS SHOWN			
CHECK						
REVIEW						

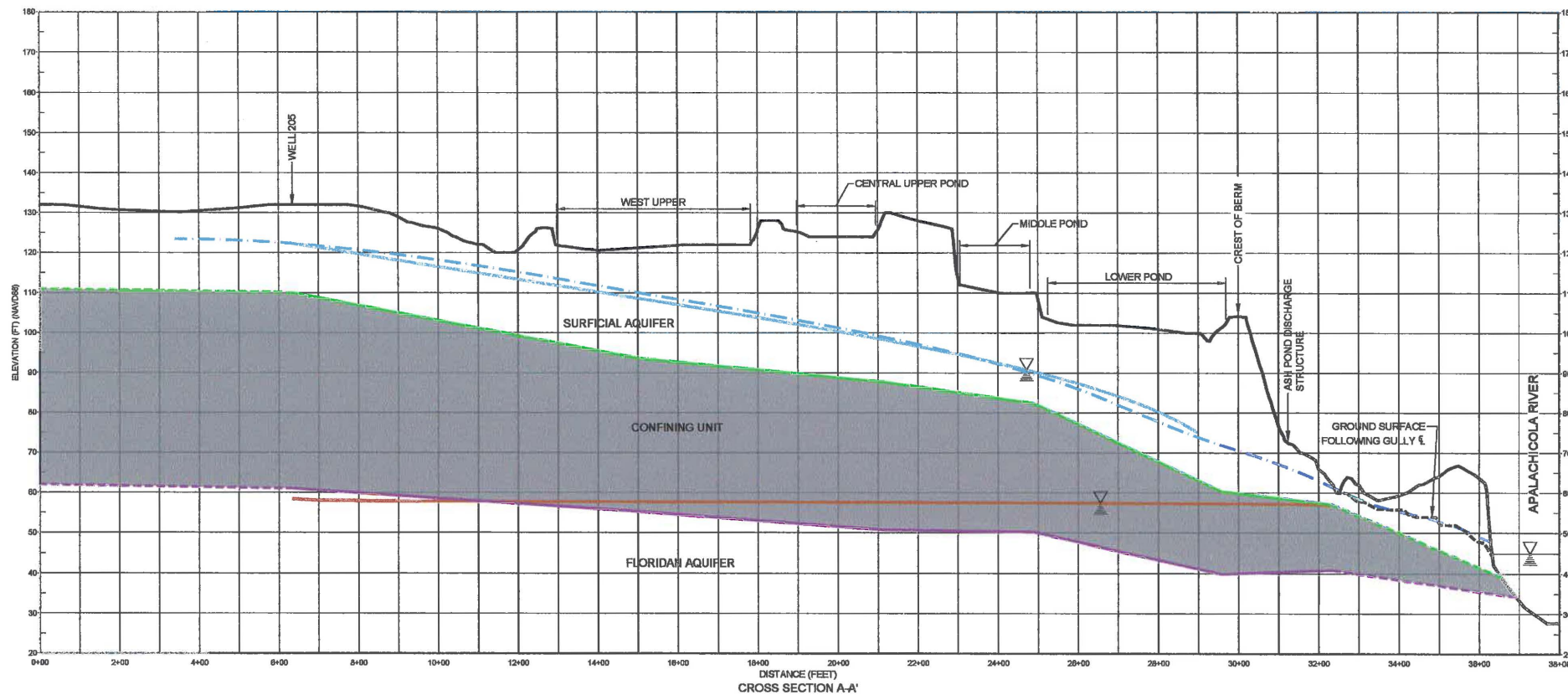


Exhibit 1

N:\P\14-162088 - RC Trailside Drawings\1416208-8002.dwg | FIGURE 2A | Modified: Thursday, 04/02/2015 12:18 PM | Plotted: Tuesday, 04/02/15 | Jacksonville, FL

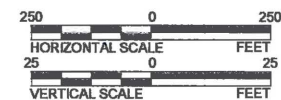


N:\P\14-16202B - RC Title\Drawings\1416202B-002.dwg | FIGURE 2B | Modified: Nuevo 04/02/2015 12:16 PM | Printed: Nuevo 04/02/15 | Jacksonville, FL



LEGEND

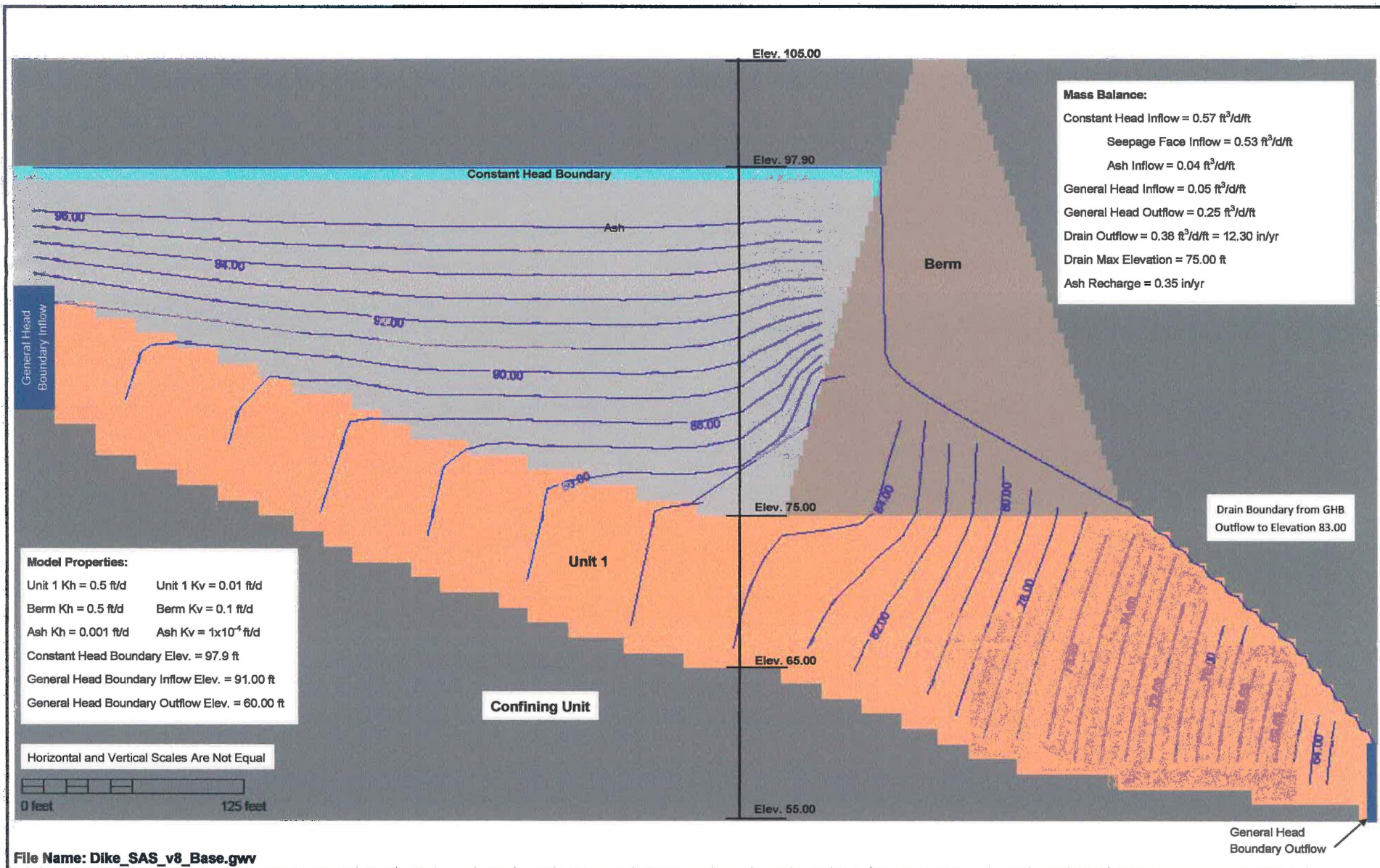
- GROUND SURFACE
- - - - GROUND SURFACE FOLLOWING GULLY CENTERLINE
- BOTTOM OF SURFICIAL AQUIFER
- TOP OF FLORIDAN AQUIFER
- - - - MODEL WATER SURFACE PROFILE IN SURFICIAL AQUIFER
- POTENTIOMETRIC SURFACE SURFICIAL AQUIFER (2014 WELL DATA)
- POTENTIOMETRIC SURFACE FLORIDAN AQUIFER (2014 WELL DATA)



REV	DATE	BY	REVISION DESCRIPTION	CADD	CHK	SWR
PROJECT						
PLANT SCHOLZ SNEADS, JACKSON COUNTY, FLORIDA						
TITLE						
CROSS-SECTION A-A'						
PROJECT No.		14-16202		FILE No.		1416202-002
DESIGN	GMP	01/15/15	SCALE		AS SHOWN	
CADD	BCL	01/20/15				
CHECK						
REVIEW						



Exhibit 2B



Attachment 6

d. Facility Identification Number of Facility Which
Receives the Flow

e. Average Daily Flow Rate to the Receiving Facility

mgd

9. Residuals Use or Disposal

a. Amount of Residuals Generated by the Facility

About 1800 gals. every 4 - 5 years

dry tons/year

b. Does this facility receive residuals from another
facility for further treatment and disposal?

☐ Yes ☒ No

c. Method of Residuals Use or Disposal

Method	Number of Sites or Number of Receiving Facilities	Dry Tons Used or Disposed per Year
Land Application (Chapter 62-640, F.A.C.)		
Distribution and Marketing (Chapter 62-640, F.A.C.)		
Landfill Disposal (Chapter 62-701, F.A.C.)		
Incineration (Chapter 62-200 Series, F.A.C.)		
Transport to Another Treatment Facility	1	0
Other (Describe)		
Total		

d. If residuals are transported to another facility
for landfill disposal, incineration, or treatment,
provide the facility name, Facility identification
number and address.

Name

City of Port St. Joe WWTF

Facility Identification Number

FL0020206

Number and Street

455 County Road 382

City/State/Zip Code

Port St. Joe, Florida 32456

County

Gulf

Telephone

850-229-6390

Treatment Processes Used by Receiving Facility

Ala, Lts, Otl

SECTION 2. TREATMENT FACILITY DESCRIPTION

1. Flow

a. Design Capacity

Current Design Capacity	.0025	mgd
Proposed Incremental Design Capacity	+	0
Proposed Total Design Capacity	=	.0025

b. Basis of Design Flow

- ☒ Annual Average Daily Flow
☐ Maximum Monthly Average Daily Flow
☐ Three-Month Average Daily Flow
☐ Other. If other, specify.

	Two Years Ago	Last Year	This Year	
c. Annual Average Daily Flow Rate	.00024	.00025	.00034	mgd
d. Maximum Daily Flow Rate	.00590	.00369	.00575	mgd

2. Design Treatment Levels

Parameter	Effluent Concentration	Units	Basis	Percent Removal
pH	6.0 - 8.5	Standard Units		
CBOD ₅	30.0	mg/L	Monthly Average	
TSS	30.0	mg/L	Monthly Average	

3. Disinfection Level Provided

- ☐ Low-level
☒ Basic
☐ Intermediate
☐ High-level
☐ High-level Alternative

If the facility disinfects by chlorination and the discharge is to surface waters, is dechlorination provided?

☒ Yes ☐ No

7. Type of Reuse or Land Application System

- ☐ Slow-rate land application system/restricted public access (Chapter 62-610, F.A.C., Part II)
- ☐ Slow-rate land application system/public access areas, residential irrigation, and edible crop irrigation (Chapter 62-610, F.A.C., Part III)
- ☐ Rapid-rate land application system (Chapter 62-610, F.A.C., Part IV)
- ☐ Absorption field system (Chapter 62-610, F.A.C., Part V)
- ☐ Overland flow system (Chapter 62-610, F.A.C., Part VI)
- ☐ Other land application system with additional levels of preapplication treatment (Rule 62-610.660, F.A.C.)
- ☒ Other land application system with lower levels of preapplication treatment (Rule 62-610.670, F.A.C.)

8. Application Areas and Rates

Site/Use Type/Major User	Area (acres)	Rate (inches/week)	Capacity (mgd)
N/A			
Total			

9. Additional Information Required for Reuse Systems Permitted Under Part III of Chapter 62-610, F.A.C.

a. Areas Irrigated

- ☐ Residential lawns
- ☐ Golf courses
- ☐ Cemeteries
- ☐ Parks, playgrounds
- ☐ Landscape areas
- ☐ Highway medians, rights-of-way
- ☐ Edible crops
- ☐ Others

If other, specify _____

b. Other Uses of Reclaimed Water

- ☐ Toilet flushing
- ☐ Fire protection
- ☐ Construction dust control
- ☐ Aesthetic purposes (decorative ponds, fountains, etc.)
- ☐ Others

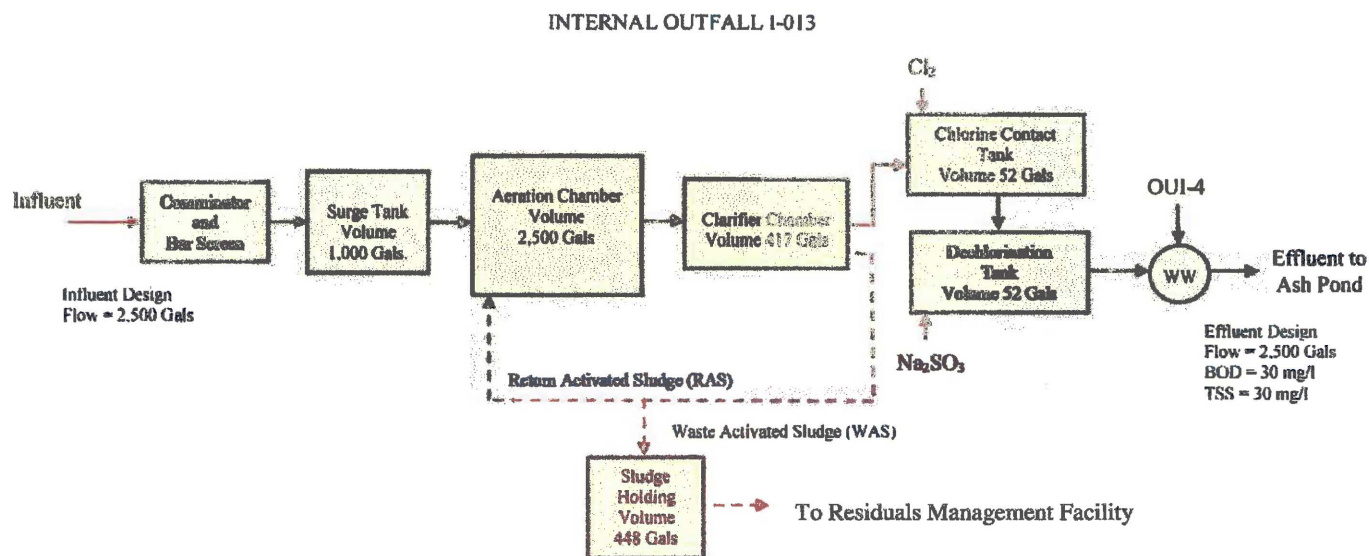
If other, specify. _____



Gulf Power Company Scholz Plant WWTF
2015 Operation Maintenance and Performance Report



Figure 2 - Scholz Plant Process Flow Schematic



Legend:

—→ Process Flow

- - -→ WAS/RAS Flow

WW Discharge Wetwell



2 Physical Condition

On January 16, 2015, Baskerville-Donovan, Inc., (BDI), along with facility representatives, inspected the physical and operational conditions of each treatment process unit at the Scholz WWTF. Those present during the inspection were:

Scott Jernigan, P.E.	Baskerville-Donovan, Inc.
Ken Self, EI	Baskerville-Donovan, Inc.
Robert Jernigan	Gulf Power Company
Roger Danley	Gulf Power Company

The physical condition of each facility component was evaluated based on the following criteria:

1. Do facilities meet applicable requirements of Rules 62-600.400(1)(b), (2)(b), (4)(a), and (4)(b) Florida Administrative Code?
2. Is there evidence of hydraulic or organic overloading?
3. Is the general condition good, considering wear, corrosion, rust, etc.?
4. Are there physical signs that the treatment units and associated equipment are operating properly and are expected to continue to operate properly for the permit period?
5. Do treatment units have adequate safety features and are they operated properly?

Table 2 has the results of the evaluation:

Table 2 – Physical Condition Criteria

Facility Components	Criteria 1	Criteria 2	Criteria 3	Criteria 4	Criteria 5
Pump Station	N/A	No	Yes	Yes	Yes
Comminutor	Yes	No	Yes	Yes	Yes
Flow Meter	Yes	No	Yes	Yes	Yes
Surge Tank	Yes	No	Yes	Yes	Yes
Aeration Basin	Yes	No	Yes	Yes	Yes
Final Clarifiers	Yes	No	Yes	Yes	Yes
Chlorine Contact Tanks	Yes	No	Yes	Yes	Yes
Dechlorination	Yes	No	Yes	Yes	Yes
Aerobic Sludge Tank	Yes	No	Yes	Yes	Yes
Plant Air Supply	Yes	No	Yes	Yes	Yes
Effluent Pump Station	N/A	No	Yes	Yes	Yes