

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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Tel: (850)474-1001

TestAmerica Job ID: 400-121703-1
Client Project/Site: Cake May-2016

For:
Emerald Coast Utilities Authority
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Pensacola, Florida 32514

Attn: Brandy Bowers



Authorized for release by:
5/26/2016 4:47:54 PM

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

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Case Narrative

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Job ID: 400-121703-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative 400-121703-1

Metals

Method(s) 6020: The following samples were diluted to bring the concentration of target analytes within the calibration range: CAKE (400-121703-1) and SDP (400-121703-2). Elevated reporting limits (RLs) are provided.

Method(s) 6020: The following sample was diluted due to the nature of the sample matrix (elevated internal standard): SDP (400-121703-2). Elevated reporting limits (RLs) are provided for Lead.

Method(s) 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 306283 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 Summary

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL PEN
7471A	Mercury (CVAA)	SW846	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Sample Summary

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-121703-1	CAKE	Solid	05/09/16 06:24	05/16/16 15:10
400-121703-2	SDP	Solid	05/16/16 00:00	05/16/16 15:10

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Client Sample Results

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Client Sample ID: CAKE
Date Collected: 05/09/16 06:24
Date Received: 05/16/16 15:10

Lab Sample ID: 400-121703-1
Matrix: Solid
Percent Solids: 19.9

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		2.2	0.48	mg/Kg	☼	05/17/16 08:32	05/17/16 14:45	10
Cadmium	0.92	I	2.2	0.87	mg/Kg	☼	05/17/16 08:32	05/17/16 14:45	10
Molybdenum	5.6	I	13	1.7	mg/Kg	☼	05/17/16 08:32	05/17/16 14:45	10
Nickel	9.5		2.2	0.70	mg/Kg	☼	05/17/16 08:32	05/17/16 14:45	10
Potassium	2100		220	79	mg/Kg	☼	05/17/16 08:32	05/17/16 14:45	10
Selenium	4.0		2.2	0.30	mg/Kg	☼	05/17/16 08:32	05/17/16 14:45	10

Method: 6020 - Metals (ICP/MS) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	250		44	17	mg/Kg	☼	05/17/16 08:32	05/17/16 14:50	100
Zinc	590		170	87	mg/Kg	☼	05/17/16 08:32	05/17/16 14:50	100

Method: 6020 - Metals (ICP/MS) - RA

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.1	0.32	mg/Kg	☼	05/17/16 08:32	05/18/16 18:41	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.40		0.35	0.21	mg/Kg	☼	05/17/16 09:15	05/24/16 09:31	2

Client Sample ID: SDP

Date Collected: 05/16/16 00:00
Date Received: 05/16/16 15:10

Lab Sample ID: 400-121703-2
Matrix: Solid
Percent Solids: 99.3

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		0.49	0.11	mg/Kg	☼	05/17/16 08:32	05/17/16 15:24	10
Cadmium	1.0		0.49	0.20	mg/Kg	☼	05/17/16 08:32	05/17/16 15:24	10
Molybdenum	7.3		2.9	0.39	mg/Kg	☼	05/17/16 08:32	05/17/16 15:24	10
Nickel	12		0.49	0.16	mg/Kg	☼	05/17/16 08:32	05/17/16 15:24	10
Potassium	3300		49	18	mg/Kg	☼	05/17/16 08:32	05/17/16 15:24	10
Selenium	4.3		0.49	0.067	mg/Kg	☼	05/17/16 08:32	05/17/16 15:24	10

Method: 6020 - Metals (ICP/MS) - DL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	290		9.8	3.9	mg/Kg	☼	05/17/16 08:32	05/17/16 15:28	100
Zinc	690		39	20	mg/Kg	☼	05/17/16 08:32	05/17/16 15:28	100

Method: 6020 - Metals (ICP/MS) - RADL

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		2.4	0.72	mg/Kg	☼	05/17/16 08:32	05/18/16 18:50	100

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.63		0.065	0.039	mg/Kg	☼	05/17/16 09:15	05/24/16 09:32	2

Definitions/Glossary

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Qualifiers

Metals

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.

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: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Client Sample ID: CAKE
Date Collected: 05/09/16 06:24
Date Received: 05/16/16 15:10

Lab Sample ID: 400-121703-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	306834	05/20/16 11:53	JLB	TAL PEN

Client Sample ID: CAKE
Date Collected: 05/09/16 06:24
Date Received: 05/16/16 15:10

Lab Sample ID: 400-121703-1
Matrix: Solid
Percent Solids: 19.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			306136	05/17/16 08:32	RJB	TAL PEN
Total/NA	Analysis	6020		10	306443	05/17/16 14:45	RJB	TAL PEN
Total/NA	Prep	3050B	DL		306136	05/17/16 08:32	RJB	TAL PEN
Total/NA	Analysis	6020	DL	100	306443	05/17/16 14:50	RJB	TAL PEN
Total/NA	Prep	3050B	RA		306136	05/17/16 08:32	RJB	TAL PEN
Total/NA	Analysis	6020	RA	10	306617	05/18/16 18:41	RJB	TAL PEN
Total/NA	Prep	7471A			306283	05/17/16 09:15	JAP	TAL PEN
Total/NA	Analysis	7471A		2	307232	05/24/16 09:31	JAP	TAL PEN

Client Sample ID: SDP
Date Collected: 05/16/16 00:00
Date Received: 05/16/16 15:10

Lab Sample ID: 400-121703-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	306834	05/20/16 11:53	JLB	TAL PEN

Client Sample ID: SDP
Date Collected: 05/16/16 00:00
Date Received: 05/16/16 15:10

Lab Sample ID: 400-121703-2
Matrix: Solid
Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			306136	05/17/16 08:32	RJB	TAL PEN
Total/NA	Analysis	6020		10	306443	05/17/16 15:24	RJB	TAL PEN
Total/NA	Prep	3050B	DL		306136	05/17/16 08:32	RJB	TAL PEN
Total/NA	Analysis	6020	DL	100	306443	05/17/16 15:28	RJB	TAL PEN
Total/NA	Prep	3050B	RADL		306136	05/17/16 08:32	RJB	TAL PEN
Total/NA	Analysis	6020	RADL	100	306617	05/18/16 18:50	RJB	TAL PEN
Total/NA	Prep	7471A			306283	05/17/16 09:15	JAP	TAL PEN
Total/NA	Analysis	7471A		2	307232	05/24/16 09:32	JAP	TAL PEN

Laboratory References:

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

QC Association Summary

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Metals

Prep Batch: 306136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121593-B-1-B MS ^10	Matrix Spike	Total/NA	Solid	3050B	
400-121593-B-1-C MSD ^10	Matrix Spike Duplicate	Total/NA	Solid	3050B	
400-121703-1 - DL	CAKE	Total/NA	Solid	3050B	
400-121703-1	CAKE	Total/NA	Solid	3050B	
400-121703-1 - RA	CAKE	Total/NA	Solid	3050B	
400-121703-2	SDP	Total/NA	Solid	3050B	
400-121703-2 - DL	SDP	Total/NA	Solid	3050B	
400-121703-2 - RADL	SDP	Total/NA	Solid	3050B	
LCS 400-306136/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
MB 400-306136/1-A ^10	Method Blank	Total/NA	Solid	3050B	
MB 400-306136/6-A ^10	Method Blank	Total/NA	Solid	3050B	

Leach Batch: 306182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121531-A-10-F MS	Matrix Spike	TCLP	Solid	1311	
400-121531-A-10-G MSD	Matrix Spike Duplicate	TCLP	Solid	1311	

Prep Batch: 306283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121531-A-10-F MS	Matrix Spike	TCLP	Solid	7471A	306182
400-121531-A-10-G MSD	Matrix Spike Duplicate	TCLP	Solid	7471A	306182
400-121703-1	CAKE	Total/NA	Solid	7471A	
400-121703-2	SDP	Total/NA	Solid	7471A	
LCS 400-306283/15-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 400-306283/14-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 306443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121593-B-1-B MS ^10	Matrix Spike	Total/NA	Solid	6020	306136
400-121593-B-1-C MSD ^10	Matrix Spike Duplicate	Total/NA	Solid	6020	306136
400-121703-1	CAKE	Total/NA	Solid	6020	306136
400-121703-1 - DL	CAKE	Total/NA	Solid	6020	306136
400-121703-2	SDP	Total/NA	Solid	6020	306136
400-121703-2 - DL	SDP	Total/NA	Solid	6020	306136
LCS 400-306136/2-A ^5	Lab Control Sample	Total/NA	Solid	6020	306136
MB 400-306136/6-A ^10	Method Blank	Total/NA	Solid	6020	306136

Analysis Batch: 306617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121593-B-1-B MS ^10	Matrix Spike	Total/NA	Solid	6020	306136
400-121593-B-1-C MSD ^10	Matrix Spike Duplicate	Total/NA	Solid	6020	306136
400-121703-1 - RA	CAKE	Total/NA	Solid	6020	306136
400-121703-2 - RADL	SDP	Total/NA	Solid	6020	306136
LCS 400-306136/2-A ^5	Lab Control Sample	Total/NA	Solid	6020	306136
MB 400-306136/1-A ^10	Method Blank	Total/NA	Solid	6020	306136

Analysis Batch: 307232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121531-A-10-F MS	Matrix Spike	TCLP	Solid	7471A	306283
400-121531-A-10-G MSD	Matrix Spike Duplicate	TCLP	Solid	7471A	306283
400-121703-1	CAKE	Total/NA	Solid	7471A	306283

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QC Association Summary

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Metals (Continued)

Analysis Batch: 307232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121703-2	SDP	Total/NA	Solid	7471A	306283
LCS 400-306283/15-A	Lab Control Sample	Total/NA	Solid	7471A	306283
MB 400-306283/14-A	Method Blank	Total/NA	Solid	7471A	306283

General Chemistry

Analysis Batch: 306834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121677-A-5 DU	Duplicate	Total/NA	Solid	Moisture	
400-121703-1	CAKE	Total/NA	Solid	Moisture	
400-121703-2	SDP	Total/NA	Solid	Moisture	

QC Sample Results

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-306136/1-A ^10
Matrix: Solid
Analysis Batch: 306617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306136

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.074	U	0.25	0.074	mg/Kg		05/16/16 09:39	05/18/16 13:23	10
Zinc	2.0	U	4.0	2.0	mg/Kg		05/16/16 09:39	05/18/16 13:23	10

Lab Sample ID: MB 400-306136/6-A ^10
Matrix: Solid
Analysis Batch: 306443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306136

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.11	U	0.50	0.11	mg/Kg		05/17/16 08:32	05/17/16 14:41	10
Copper	0.40	U	1.0	0.40	mg/Kg		05/17/16 08:32	05/17/16 14:41	10
Molybdenum	0.40	U	3.0	0.40	mg/Kg		05/17/16 08:32	05/17/16 14:41	10
Nickel	0.16	U	0.50	0.16	mg/Kg		05/17/16 08:32	05/17/16 14:41	10
Potassium	18	U	50	18	mg/Kg		05/17/16 08:32	05/17/16 14:41	10
Selenium	0.069	U	0.50	0.069	mg/Kg		05/17/16 08:32	05/17/16 14:41	10
Zinc	2.0	U	4.0	2.0	mg/Kg		05/17/16 08:32	05/17/16 14:41	10

Lab Sample ID: LCS 400-306136/2-A ^5
Matrix: Solid
Analysis Batch: 306443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.00	5.28		mg/Kg		106	80 - 120
Copper	5.00	5.21		mg/Kg		104	80 - 120
Molybdenum	5.00	5.09		mg/Kg		102	80 - 120
Nickel	5.00	5.12		mg/Kg		102	80 - 120
Potassium	500	434		mg/Kg		87	80 - 120
Selenium	5.00	5.04		mg/Kg		101	80 - 120
Zinc	5.00	4.78		mg/Kg		96	80 - 120

Lab Sample ID: LCS 400-306136/2-A ^5
Matrix: Solid
Analysis Batch: 306617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	5.00	4.94		mg/Kg		99	80 - 120
Zinc	5.00	5.30		mg/Kg		106	80 - 120

Lab Sample ID: 400-121593-B-1-B MS ^10
Matrix: Solid
Analysis Batch: 306443

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 306136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.10	U	4.51	5.02		mg/Kg		111	75 - 125
Copper	0.38	U	4.51	4.75		mg/Kg		105	75 - 125
Molybdenum	0.38	U	4.51	4.68		mg/Kg		104	75 - 125
Nickel	0.46	I	4.51	5.07		mg/Kg		102	75 - 125
Potassium	17	U	451	406		mg/Kg		90	75 - 125
Selenium	0.065	U	4.51	4.44		mg/Kg		98	75 - 125
Zinc	1.9	U	4.51	4.43		mg/Kg		98	75 - 125

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QC Sample Results

Client: Emerald Coast Utilities Authority
Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Lab Sample ID: 400-121593-B-1-B MS ^10
Matrix: Solid
Analysis Batch: 306617

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 306136
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	0.070	U	4.51	4.40		mg/Kg		97	75 - 125
Zinc	1.9	U	4.51	4.77		mg/Kg		106	75 - 125

Lab Sample ID: 400-121593-B-1-C MSD ^10
Matrix: Solid
Analysis Batch: 306443

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 306136
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	0.10	U	4.56	5.02		mg/Kg		110	75 - 125	0	20
Copper	0.38	U	4.56	4.86		mg/Kg		106	75 - 125	2	20
Molybdenum	0.38	U	4.56	4.73		mg/Kg		104	75 - 125	1	20
Nickel	0.46	I	4.56	5.28		mg/Kg		106	75 - 125	4	20
Potassium	17	U	456	418		mg/Kg		92	75 - 125	3	20
Selenium	0.065	U	4.56	4.35		mg/Kg		95	75 - 125	2	20
Zinc	1.9	U	4.56	4.43		mg/Kg		97	75 - 125	0	20

Lab Sample ID: 400-121593-B-1-C MSD ^10
Matrix: Solid
Analysis Batch: 306617

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 306136
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	0.070	U	4.56	4.41		mg/Kg		97	75 - 125	0	20
Zinc	1.9	U	4.56	4.72		mg/Kg		103	75 - 125	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 400-306283/14-A
Matrix: Solid
Analysis Batch: 307232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 306283

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0077	U	0.013	0.0077	mg/Kg		05/17/16 09:15	05/24/16 09:28	1

Lab Sample ID: LCS 400-306283/15-A
Matrix: Solid
Analysis Batch: 307232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 306283
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0666	0.0616		mg/Kg		93	80 - 120

Lab Sample ID: 400-121531-A-10-F MS
Matrix: Solid
Analysis Batch: 307232

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 306283
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0095	U	0.160	0.120	J3	mg/Kg		75	80 - 120

TestAmerica Pensacola

QC Sample Results

Client: Emerald Coast Utilities Authority
 Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 400-121531-A-10-G MSD

Matrix: Solid

Analysis Batch: 307232

Client Sample ID: Matrix Spike Duplicate

Prep Type: TCLP

Prep Batch: 306283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0095	U	0.155	0.113	J3	mg/Kg		73	80 - 120	6	20

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Login Sample Receipt Checklist

Client: Emerald Coast Utilities Authority

Job Number: 400-121703-1

Login Number: 121703

List Number: 1

Creator: Perez, Trina M

List Source: TestAmerica Pensacola

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	4.6°C IR-5
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Certification Summary

Client: Emerald Coast Utilities Authority
 Project/Site: Cake May-2016

TestAmerica Job ID: 400-121703-1

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	06-30-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	07-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.