

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Sacramento  
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West Sacramento, CA 95605  
Tel: (916)373-5600

TestAmerica Job ID: 320-18316-1  
Client Project/Site: PFOA/PFOS

For:  
Gadsden Water Works  
515 Albert Rains Blvd  
Gadsden, Alabama 35901

Attn: Mike Lankford



Authorized for release by:  
4/22/2016 3:15:00 PM

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### 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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# Definitions/Glossary

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## 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)

# Case Narrative

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

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**Job ID: 320-18316-1**

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**Laboratory: TestAmerica Sacramento**

## Narrative

**Job Narrative  
320-18316-1**

## Comments

No additional comments.

## Receipt

The samples were received on 4/14/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9° C.

## Receipt Exceptions

A Chain-of-Custody (COC) was not received with these samples: 4-13-16 RW ALUM 46PPM (320-18316-1), 4-13-16 RW ALUM 26PPM (320-18316-2), 4-13-16 FW (320-18316-3), 4-13-16 RW (320-18316-4), 4-13-16 MIEX TREATED WATER (320-18316-5), 4-13-16 MIEX PAC 24PPM (320-18316-6) and 4-13-16 MIEX PAC 34 PAC (320-18316-7). The Information was retrieved from the sample bottles.

## LCMS

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



# Detection Summary

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## Client Sample ID: 4-13-16 RW ALUM 46PPM

## Lab Sample ID: 320-18316-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	27		1.9	0.72	ng/L	1		WS-LC-0025	Total/NA
Perfluorooctane Sulfonate (PFOS)	29		1.9	1.2	ng/L	1		WS-LC-0025	Total/NA

## Client Sample ID: 4-13-16 RW ALUM 26PPM

## Lab Sample ID: 320-18316-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	26		1.9	0.71	ng/L	1		WS-LC-0025	Total/NA
Perfluorooctane Sulfonate (PFOS)	23		1.9	1.2	ng/L	1		WS-LC-0025	Total/NA

## Client Sample ID: 4-13-16 FW

## Lab Sample ID: 320-18316-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	29		2.0	0.75	ng/L	1		WS-LC-0025	Total/NA
Perfluorooctane Sulfonate (PFOS)	42		2.0	1.3	ng/L	1		WS-LC-0025	Total/NA

## Client Sample ID: 4-13-16 RW

## Lab Sample ID: 320-18316-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	25		2.0	0.74	ng/L	1		WS-LC-0025	Total/NA
Perfluorooctane Sulfonate (PFOS)	35		2.0	1.3	ng/L	1		WS-LC-0025	Total/NA

## Client Sample ID: 4-13-16 MIEX TREATED WATER

## Lab Sample ID: 320-18316-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	26		2.0	0.75	ng/L	1		WS-LC-0025	Total/NA
Perfluorooctane Sulfonate (PFOS)	42		2.0	1.3	ng/L	1		WS-LC-0025	Total/NA

## Client Sample ID: 4-13-16 MIEX PAC 24PPM

## Lab Sample ID: 320-18316-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	24		2.1	0.79	ng/L	1		WS-LC-0025	Total/NA
Perfluorooctane Sulfonate (PFOS)	36		2.1	1.3	ng/L	1		WS-LC-0025	Total/NA

## Client Sample ID: 4-13-16 MIEX PAC 34 PAC

## Lab Sample ID: 320-18316-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	23		1.9	0.71	ng/L	1		WS-LC-0025	Total/NA
Perfluorooctane Sulfonate (PFOS)	33		1.9	1.2	ng/L	1		WS-LC-0025	Total/NA

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

**Client Sample ID: 4-13-16 RW ALUM 46PPM**

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

**Lab Sample ID: 320-18316-1**

Matrix: Water

**Method: WS-LC-0025 - Perfluorinated Hydrocarbons**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	27		1.9	0.72	ng/L		04/15/16 09:39	04/19/16 08:27	1
Perfluorooctane Sulfonate (PFOS)	29		1.9	1.2	ng/L		04/15/16 09:39	04/19/16 08:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	112		25 - 150				04/15/16 09:39	04/19/16 08:27	1
13C4 PFOA	93		25 - 150				04/15/16 09:39	04/19/16 08:27	1

**Client Sample ID: 4-13-16 RW ALUM 26PPM**

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

**Lab Sample ID: 320-18316-2**

Matrix: Water

**Method: WS-LC-0025 - Perfluorinated Hydrocarbons**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	26		1.9	0.71	ng/L		04/15/16 09:39	04/19/16 08:48	1
Perfluorooctane Sulfonate (PFOS)	23		1.9	1.2	ng/L		04/15/16 09:39	04/19/16 08:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	97		25 - 150				04/15/16 09:39	04/19/16 08:48	1
13C4 PFOA	79		25 - 150				04/15/16 09:39	04/19/16 08:48	1

**Client Sample ID: 4-13-16 FW**

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

**Lab Sample ID: 320-18316-3**

Matrix: Water

**Method: WS-LC-0025 - Perfluorinated Hydrocarbons**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	29		2.0	0.75	ng/L		04/15/16 09:39	04/19/16 09:10	1
Perfluorooctane Sulfonate (PFOS)	42		2.0	1.3	ng/L		04/15/16 09:39	04/19/16 09:10	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	99		25 - 150				04/15/16 09:39	04/19/16 09:10	1
13C4 PFOA	62		25 - 150				04/15/16 09:39	04/19/16 09:10	1

**Client Sample ID: 4-13-16 RW**

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

**Lab Sample ID: 320-18316-4**

Matrix: Water

**Method: WS-LC-0025 - Perfluorinated Hydrocarbons**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	25		2.0	0.74	ng/L		04/15/16 09:39	04/19/16 09:31	1
Perfluorooctane Sulfonate (PFOS)	35		2.0	1.3	ng/L		04/15/16 09:39	04/19/16 09:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	109		25 - 150				04/15/16 09:39	04/19/16 09:31	1
13C4 PFOA	83		25 - 150				04/15/16 09:39	04/19/16 09:31	1

**Client Sample ID: 4-13-16 MIEX TREATED WATER**

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

**Lab Sample ID: 320-18316-5**

Matrix: Water

**Method: WS-LC-0025 - Perfluorinated Hydrocarbons**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	26		2.0	0.75	ng/L		04/15/16 09:39	04/19/16 09:52	1

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# Client Sample Results

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## Client Sample ID: 4-13-16 MIEX TREATED WATER

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

## Lab Sample ID: 320-18316-5

Matrix: Water

### Method: WS-LC-0025 - Perfluorinated Hydrocarbons (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctane Sulfonate (PFOS)	42		2.0	1.3	ng/L		04/15/16 09:39	04/19/16 09:52	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	108		25 - 150				04/15/16 09:39	04/19/16 09:52	1
13C4 PFOA	82		25 - 150				04/15/16 09:39	04/19/16 09:52	1

## Client Sample ID: 4-13-16 MIEX PAC 24PPM

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

## Lab Sample ID: 320-18316-6

Matrix: Water

### Method: WS-LC-0025 - Perfluorinated Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	24		2.1	0.79	ng/L		04/15/16 09:39	04/20/16 19:09	1
Perfluorooctane Sulfonate (PFOS)	36		2.1	1.3	ng/L		04/15/16 09:39	04/20/16 19:09	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	116		25 - 150				04/15/16 09:39	04/20/16 19:09	1
13C4 PFOA	87		25 - 150				04/15/16 09:39	04/20/16 19:09	1

## Client Sample ID: 4-13-16 MIEX PAC 34 PAC

Date Collected: 04/13/16 00:00

Date Received: 04/14/16 09:30

## Lab Sample ID: 320-18316-7

Matrix: Water

### Method: WS-LC-0025 - Perfluorinated Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	23		1.9	0.71	ng/L		04/15/16 09:39	04/20/16 19:30	1
Perfluorooctane Sulfonate (PFOS)	33		1.9	1.2	ng/L		04/15/16 09:39	04/20/16 19:30	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	125		25 - 150				04/15/16 09:39	04/20/16 19:30	1
13C4 PFOA	94		25 - 150				04/15/16 09:39	04/20/16 19:30	1

# Isotope Dilution Summary

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## Method: WS-LC-0025 - Perfluorinated Hydrocarbons

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	3C4 PFO:	3C4 PFO:
		(25-150)	(25-150)
320-18316-1	4-13-16 RW ALUM 46PPM	112	93
320-18316-2	4-13-16 RW ALUM 26PPM	97	79
320-18316-3	4-13-16 FW	99	62
320-18316-4	4-13-16 RW	109	83
320-18316-5	4-13-16 MIEX TREATED WATER	108	82
320-18316-6	4-13-16 MIEX PAC 24PPM	116	87
320-18316-7	4-13-16 MIEX PAC 34 PAC	125	94
LCS 320-106516/2-A	Lab Control Sample	105	99
MB 320-106516/1-A	Method Blank	102	89

#### Surrogate Legend

13C4 PFOS = 13C4 PFOS

13C4 PFOA = 13C4 PFOA



# QC Sample Results

Client: Gadsden Water Works  
 Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## Method: WS-LC-0025 - Perfluorinated Hydrocarbons

**Lab Sample ID: MB 320-106516/1-A**  
**Matrix: Water**  
**Analysis Batch: 106811**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 106516**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	ND		2.0	0.75	ng/L		04/15/16 09:39	04/19/16 04:34	1
Perfluorooctane Sulfonate (PFOS)	ND		2.0	1.3	ng/L		04/15/16 09:39	04/19/16 04:34	1
		MB MB					Prepared	Analyzed	Dil Fac
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFOS	102		25 - 150				04/15/16 09:39	04/19/16 04:34	1
13C4 PFOA	89		25 - 150				04/15/16 09:39	04/19/16 04:34	1

**Lab Sample ID: LCS 320-106516/2-A**  
**Matrix: Water**  
**Analysis Batch: 106811**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 106516**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
Perfluorooctanoic acid (PFOA)	40.0	44.6		ng/L		111	63 - 141		
Perfluorooctane Sulfonate (PFOS)	38.2	36.9		ng/L		96	47 - 162		
		LCS LCS					%Rec.		
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFOS	105		25 - 150						
13C4 PFOA	99		25 - 150						

# QC Association Summary

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## LCMS

### Prep Batch: 106516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-18316-1	4-13-16 RW ALUM 46PPM	Total/NA	Water	3535	
320-18316-2	4-13-16 RW ALUM 26PPM	Total/NA	Water	3535	
320-18316-3	4-13-16 FW	Total/NA	Water	3535	
320-18316-4	4-13-16 RW	Total/NA	Water	3535	
320-18316-5	4-13-16 MIEX TREATED WATER	Total/NA	Water	3535	
320-18316-6	4-13-16 MIEX PAC 24PPM	Total/NA	Water	3535	
320-18316-7	4-13-16 MIEX PAC 34 PAC	Total/NA	Water	3535	
LCS 320-106516/2-A	Lab Control Sample	Total/NA	Water	3535	
MB 320-106516/1-A	Method Blank	Total/NA	Water	3535	

### Analysis Batch: 106811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-18316-1	4-13-16 RW ALUM 46PPM	Total/NA	Water	WS-LC-0025	106516
320-18316-2	4-13-16 RW ALUM 26PPM	Total/NA	Water	WS-LC-0025	106516
320-18316-3	4-13-16 FW	Total/NA	Water	WS-LC-0025	106516
320-18316-4	4-13-16 RW	Total/NA	Water	WS-LC-0025	106516
320-18316-5	4-13-16 MIEX TREATED WATER	Total/NA	Water	WS-LC-0025	106516
LCS 320-106516/2-A	Lab Control Sample	Total/NA	Water	WS-LC-0025	106516
MB 320-106516/1-A	Method Blank	Total/NA	Water	WS-LC-0025	106516

### Analysis Batch: 107119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-18316-6	4-13-16 MIEX PAC 24PPM	Total/NA	Water	WS-LC-0025	106516
320-18316-7	4-13-16 MIEX PAC 34 PAC	Total/NA	Water	WS-LC-0025	106516

# Lab Chronicle

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## Client Sample ID: 4-13-16 RW ALUM 46PPM

Lab Sample ID: 320-18316-1

Date Collected: 04/13/16 00:00

Matrix: Water

Date Received: 04/14/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			516.8 mL	1.00 mL	106516	04/15/16 09:39	SNE	TAL SAC
Total/NA	Analysis	WS-LC-0025		1	516.8 mL	1.00 mL	106811	04/19/16 08:27	JRB	TAL SAC

## Client Sample ID: 4-13-16 RW ALUM 26PPM

Lab Sample ID: 320-18316-2

Date Collected: 04/13/16 00:00

Matrix: Water

Date Received: 04/14/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			526.2 mL	1.00 mL	106516	04/15/16 09:39	SNE	TAL SAC
Total/NA	Analysis	WS-LC-0025		1	526.2 mL	1.00 mL	106811	04/19/16 08:48	JRB	TAL SAC

## Client Sample ID: 4-13-16 FW

Lab Sample ID: 320-18316-3

Date Collected: 04/13/16 00:00

Matrix: Water

Date Received: 04/14/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			500.3 mL	1.00 mL	106516	04/15/16 09:39	SNE	TAL SAC
Total/NA	Analysis	WS-LC-0025		1	500.3 mL	1.00 mL	106811	04/19/16 09:10	JRB	TAL SAC

## Client Sample ID: 4-13-16 RW

Lab Sample ID: 320-18316-4

Date Collected: 04/13/16 00:00

Matrix: Water

Date Received: 04/14/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			506.7 mL	1.00 mL	106516	04/15/16 09:39	SNE	TAL SAC
Total/NA	Analysis	WS-LC-0025		1	506.7 mL	1.00 mL	106811	04/19/16 09:31	JRB	TAL SAC

## Client Sample ID: 4-13-16 MIEX TREATED WATER

Lab Sample ID: 320-18316-5

Date Collected: 04/13/16 00:00

Matrix: Water

Date Received: 04/14/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			495.6 mL	1.00 mL	106516	04/15/16 09:39	SNE	TAL SAC
Total/NA	Analysis	WS-LC-0025		1	495.6 mL	1.00 mL	106811	04/19/16 09:52	JRB	TAL SAC

## Client Sample ID: 4-13-16 MIEX PAC 24PPM

Lab Sample ID: 320-18316-6

Date Collected: 04/13/16 00:00

Matrix: Water

Date Received: 04/14/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			474.3 mL	1.00 mL	106516	04/15/16 09:39	SNE	TAL SAC
Total/NA	Analysis	WS-LC-0025		1	474.3 mL	1.00 mL	107119	04/20/16 19:09	JRB	TAL SAC

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# Lab Chronicle

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

**Client Sample ID: 4-13-16 MIEX PAC 34 PAC**

**Lab Sample ID: 320-18316-7**

**Date Collected: 04/13/16 00:00**

**Matrix: Water**

**Date Received: 04/14/16 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			527.2 mL	1.00 mL	106516	04/15/16 09:39	SNE	TAL SAC
Total/NA	Analysis	WS-LC-0025		1	527.2 mL	1.00 mL	107119	04/20/16 19:30	JRB	TAL SAC

#### Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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# Certification Summary

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

## Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-17
Alaska (UST)	State Program	10	UST-055	12-18-16
Arizona	State Program	9	AZ0708	08-11-16
Arkansas DEQ	State Program	6	88-0691	06-17-16
California	State Program	9	2897	01-31-17
Colorado	State Program	8	CA00044	08-31-16
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-16
Hawaii	State Program	9	N/A	01-31-17
Illinois	NELAP	5	200060	03-17-17
Kansas	NELAP	7	E-10375	05-31-16
Louisiana	NELAP	6	30612	06-30-16
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-16
New Jersey	NELAP	2	CA005	06-30-16
New York	NELAP	2	11666	04-01-17
Oregon	NELAP	10	4040	01-29-17
Pennsylvania	NELAP	3	68-01272	03-31-17
Texas	NELAP	6	T104704399	05-31-16
US Fish & Wildlife	Federal		LE148388-0	10-31-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	CA00044	02-28-17
Virginia	NELAP	3	460278	03-14-17
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-16
Wyoming	State Program	8	8TMS-L	01-29-17

# Method Summary

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

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Method	Method Description	Protocol	Laboratory
WS-LC-0025	Perfluorinated Hydrocarbons	TAL SOP	TAL SAC

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**Protocol References:**

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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# Sample Summary

Client: Gadsden Water Works  
Project/Site: PFOA/PFOS

TestAmerica Job ID: 320-18316-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-18316-1	4-13-16 RW ALUM 46PPM	Water	04/13/16 00:00	04/14/16 09:30
320-18316-2	4-13-16 RW ALUM 26PPM	Water	04/13/16 00:00	04/14/16 09:30
320-18316-3	4-13-16 FW	Water	04/13/16 00:00	04/14/16 09:30
320-18316-4	4-13-16 RW	Water	04/13/16 00:00	04/14/16 09:30
320-18316-5	4-13-16 MIEX TREATED WATER	Water	04/13/16 00:00	04/14/16 09:30
320-18316-6	4-13-16 MIEX PAC 24PPM	Water	04/13/16 00:00	04/14/16 09:30
320-18316-7	4-13-16 MIEX PAC 34 PAC	Water	04/13/16 00:00	04/14/16 09:30

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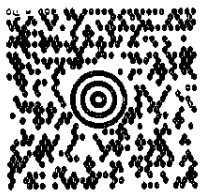
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BLAKE WELLS  
(256) 543-2855  
GADSDEN WATER WORKS  
515 ALBERT RAINS BLVD.  
GADSDEN AL 35901

22 L

SHIP TO:  
TESTAMERICA  
880 RIVERSIDE PARKWAY  
WEST SACRAMENTO CA 95605-1500

4-13-14



CA 958 9-01



**UPS NEXT DAY AIR**  
TRACKING #: 1Z 336 988 01 6211 6271

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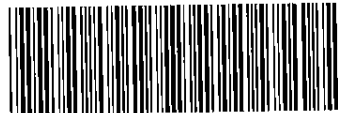


BILLING: P/P

REF 1:MMJ

W6 18.0.24 Zebra ZP 460 76.0A 04/2016

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320-18316 Chain of Custody

nokoe

Ready Jim Nelson  
930 4-14-16



# Login Sample Receipt Checklist

Client: Gadsden Water Works

Job Number: 320-18316-1

**Login Number: 18316**  
**List Number: 1**  
**Creator: Nelson, Kym D**

**List Source: TestAmerica Sacramento**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
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	
COC is present.	False	Refer to Job Narrative for details.
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	No COC -- taken from containers
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

