

## ANALYTICAL REPORT


Job Number: 280-85954-1

Job Description: ADEM PFC Sampling

For:

Alabama Dept. Environmental Management  
2715 Sandlin Road, SW  
Decatur, AL 35603

Attention: Mr. Ed Poolos



Approved for release.  
Stephanie K Kupper  
Project Manager I  
8/4/2016 10:19 AM

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08/04/2016

The test results in this report relate only to the samples in this report and meet all requirements of NELAP, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is 4025.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

**TestAmerica Laboratories, Inc.**

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## Client Sample Results

Client: Alabama Dept. Environmental Management  
 Project/Site: ADEM PFC Sampling

TestAmerica Job ID: 280-85954-1

**Client Sample ID: GADSDEN-RW25**

**Lab Sample ID: 280-85954-5**

Date Collected: 07/20/16 02:02

Matrix: Water

Date Received: 07/21/16 07:10

Method: DV-LC-0012 - Perfluorinated Hydrocarbons									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutane Sulfonate (PFBS)	0.055		0.020	0.0080	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorobutanoic acid (PFBA)	0.015	J	0.020	0.0096	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorodecane sulfonate (PFDS)	0.0089	U	0.020	0.0089	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorodecanoic acid (PFDA)	0.0076	U	0.020	0.0076	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorododecanoic acid (PFDoA)	0.015	U	0.029	0.015	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluoroheptanoic acid (PFHpA)	0.013	U	0.029	0.013	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorohexane Sulfonate (PFHxS)	0.0068	U	0.029	0.0068	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorohexanoic acid (PFHxA)	0.038		0.020	0.0028	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorononanoic acid (PFNA)	0.017	U	0.039	0.017	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorooctanoic acid (PFOA)	0.026		0.020	0.0095	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorooctane Sulfonate (PFOS)	0.036		0.029	0.013	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluoropentanoic acid (PFPA)	0.055		0.029	0.011	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorotetradecanoic acid (PFTeA)	0.014	U	0.029	0.014	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluorotridecanoic Acid (PFTriA)	0.017	U	0.039	0.017	ug/L		07/28/16 11:25	07/29/16 16:29	1
Perfluoroundecanoic acid (PFUnA)	0.0067	U	0.020	0.0067	ug/L		07/28/16 11:25	07/29/16 16:29	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C8 PFOA	103		60 - 155				07/28/16 11:25	07/29/16 16:29	1
13C8 PFOS	98		45 - 130				07/28/16 11:25	07/29/16 16:29	1
Method: PFC -FOSA - FOSA in Water (LC/MS/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctane Sulfonamide (FOSA)	0.0056	U	0.049	0.0056	ug/L		07/29/16 12:21	08/01/16 18:49	1

## Client Sample Results

Client: Alabama Dept. Environmental Management  
 Project/Site: ADEM PFC Sampling

TestAmerica Job ID: 280-85954-1

Client Sample ID: GADSDEN-FINISHED

Lab Sample ID: 280-85954-8

Date Collected: 07/20/16 11:00

Matrix: Water

Date Received: 07/21/16 07:10

**Method: DV-LC-0012 - Perfluorinated Hydrocarbons**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutane Sulfonate (PFBS)	0.061		0.019	0.0078	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorobutanoic acid (PFBA)	0.015	J	0.019	0.0092	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorodecane sulfonate (PFDS)	0.0086	U	0.019	0.0086	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorodecanoic acid (PFDA)	0.0074	U	0.019	0.0074	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorododecanoic acid (PFDoA)	0.014	U	0.028	0.014	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluoroheptanoic acid (PFHpA)	0.012	J	0.028	0.012	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorohexane Sulfonate (PFHxS)	0.0066	U	0.028	0.0066	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorohexanoic acid (PFHxA)	0.041		0.019	0.0027	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorononanoic acid (PFNA)	0.016	U	0.038	0.016	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorooctanoic acid (PFOA)	0.025		0.019	0.0092	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorooctane Sulfonate (PFOS)	0.040		0.028	0.013	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluoropentanoic acid (PFPA)	0.052		0.028	0.010	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorotetradecanoic acid (PFTeA)	0.014	U	0.028	0.014	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluorotridecanoic Acid (PFTriA)	0.017	U	0.038	0.017	ug/L		07/28/16 11:25	07/29/16 17:06	1
Perfluoroundecanoic acid (PFUnA)	0.0065	U	0.019	0.0065	ug/L		07/28/16 11:25	07/29/16 17:06	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C8 PFOA	101		60 - 155				07/28/16 11:25	07/29/16 17:06	1
13C8 PFOS	101		45 - 130				07/28/16 11:25	07/29/16 17:06	1

**Method: PFC -FOSA - FOSA in Water (LC/MS/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctane Sulfonamide (FOSA)	0.0056	U	0.049	0.0056	ug/L		07/29/16 12:21	08/01/16 19:25	1