

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: SGS Environmental Services, Inc.
Project: 1140659
Sample Matrix: Water

Service Request: K1401882
Date Collected: 02/24/14 10:17
Date Received: 02/26/14 13:20

Sample Name: 17327 [REDACTED]
Lab Code: K1401882-001

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFOA
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	5.0	1	03/03/14 12:37	2/26/14	
Perfluorooctane Sulfonate	ND U	5.0	1	03/03/14 12:37	2/26/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	90	18 - 151	03/03/14 12:37	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	75	16 - 130	03/03/14 12:37	

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Analytical Report

Client: SGS Environmental Services, Inc.
Project: 1140659
Sample Matrix: Water

Service Request: K1401882
Date Collected: 02/24/14 10:38
Date Received: 02/26/14 13:20

Sample Name: 17327 [REDACTED]
Lab Code: K1401882-002

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFOA
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	5.0	1	03/03/14 12:47	2/26/14	
Perfluorooctane Sulfonate	ND U	5.0	1	03/03/14 12:47	2/26/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	88	18 - 151	03/03/14 12:47	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	63	16 - 130	03/03/14 12:47	

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Analytical Report

Client: SGS Environmental Services, Inc.
Project: 1140659
Sample Matrix: Water

Service Request: K1401882
Date Collected: 02/24/14 10:44
Date Received: 02/26/14 13:20

Sample Name: 17327 [REDACTED]
Lab Code: K1401882-003

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFOA
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	5.0	1	03/03/14 12:57	2/26/14	
Perfluorooctane Sulfonate	ND U	5.0	1	03/03/14 12:57	2/26/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	100	18 - 151	03/03/14 12:57	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	70	16 - 130	03/03/14 12:57	

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Analytical Report

Client: SGS Environmental Services, Inc.
Project: 1140659
Sample Matrix: Water

Service Request: K1401882
Date Collected: 02/24/14 10:58
Date Received: 02/26/14 13:20

Sample Name: 17327-
Lab Code: K1401882-004

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFOA
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	5.0	1	03/03/14 13:07	2/26/14	
Perfluorooctane Sulfonate	ND U	5.0	1	03/03/14 13:07	2/26/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	105	18 - 151	03/03/14 13:07	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	76	16 - 130	03/03/14 13:07	

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Analytical Report

Client: SGS Environmental Services, Inc.
Project: 1140659
Sample Matrix: Water

Service Request: K1401882
Date Collected: 02/24/14 11:56
Date Received: 02/26/14 13:20

Sample Name: 17327-
Lab Code: K1401882-005

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFOA
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	5.0	1	03/03/14 13:17	2/26/14	
Perfluorooctane Sulfonate	ND U	5.0	1	03/03/14 13:17	2/26/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	90	18 - 151	03/03/14 13:17	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	73	16 - 130	03/03/14 13:17	

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Analytical Report

Client: SGS Environmental Services, Inc.
Project: 1140659
Sample Matrix: Water

Service Request: K1401882
Date Collected: 02/24/14 17:16
Date Received: 02/26/14 13:20

Sample Name: 17327-
Lab Code: K1401882-006

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFOA
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	5.0	1	03/03/14 13:27	2/26/14	
Perfluorooctane Sulfonate	ND U	5.0	1	03/03/14 13:27	2/26/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	92	18 - 151	03/03/14 13:27	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	66	16 - 130	03/03/14 13:27	

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Analytical Report

Client: SGS Environmental Services, Inc.
Project: 1140659
Sample Matrix: Water

Service Request: K1401882
Date Collected: 02/24/14 11:18
Date Received: 02/26/14 13:20

Sample Name: 17327-
Lab Code: K1401882-007

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFOA
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	5.0	1	03/03/14 13:37	2/26/14	
Perfluorooctane Sulfonate	ND U	5.0	1	03/03/14 13:37	2/26/14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	101	18 - 151	03/03/14 13:37	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	68	16 - 130	03/03/14 13:37	