

*Seychelle*®

EVIDENCE DOSSIER  
PFAS Reduction Testing

ALS Group USA, Corp.  
dba ALS Environmental

Analytical Report

**Client:** Seychelle Water Filtration Products  
**Project:** Water Filter Research  
**Sample Matrix:** Water  
**Sample Name:** Pitcher/Reservoir/filter (First Pass)  
**Lab Code:** K1905989-001

**Service Request:** K1905989  
**Date Collected:** NA  
**Date Received:** 06/27/19 10:30

**Units:** ng/L  
**Basis:** NA

**Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS**

**Analysis Method:** 537  
**Prep Method:** Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.39	1.22	1	08/14/19 18:42	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.39	0.964	1	08/14/19 18:42	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.39	1.20	1	08/14/19 18:42	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.39	1.54	1	08/14/19 18:42	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.39	1.36	1	08/14/19 18:42	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.39	1.28	1	08/14/19 18:42	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.39	1.02	1	08/14/19 18:42	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.39	1.20	1	08/14/19 18:42	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.39	0.580	1	08/14/19 18:42	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.39	0.901	1	08/14/19 18:42	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.39	1.20	1	08/14/19 18:42	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.39	0.939	1	08/14/19 18:42	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	1.21	1	08/14/19 18:42	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	0.994	1	08/14/19 18:42	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	103	70 - 130	08/14/19 18:42	
13C2-PFDA	116	70 - 130	08/14/19 18:42	
D5-EtFOSAA	97	70 - 130	08/14/19 18:42	

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Analytical Report

**Client:** Seychelle Water Filtration Products  
**Project:** Water Filter Research  
**Sample Matrix:** Water  
**Sample Name:** Pitcher/Reservoir/filter Blank (First Pass)  
**Lab Code:** K1905989-002

**Service Request:** K1905989  
**Date Collected:** NA  
**Date Received:** 06/27/19 10:30

**Units:** ng/L  
**Basis:** NA

**Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS**

**Analysis Method:** 537  
**Prep Method:** Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.39	1.22	1	08/14/19 19:04	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.39	0.964	1	08/14/19 19:04	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.39	1.20	1	08/14/19 19:04	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.39	1.54	1	08/14/19 19:04	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.39	1.36	1	08/14/19 19:04	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.39	1.28	1	08/14/19 19:04	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.39	1.02	1	08/14/19 19:04	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.39	1.20	1	08/14/19 19:04	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.39	0.580	1	08/14/19 19:04	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.39	0.901	1	08/14/19 19:04	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.39	1.20	1	08/14/19 19:04	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.39	0.939	1	08/14/19 19:04	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	1.21	1	08/14/19 19:04	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.39	0.994	1	08/14/19 19:04	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	101	70 - 130	08/14/19 19:04	
13C2-PFDA	105	70 - 130	08/14/19 19:04	
D5-EtFOSAA	96	70 - 130	08/14/19 19:04	

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Analytical Report

**Client:** Seychelle Water Filtration Products  
**Project:** Water Filter Research  
**Sample Matrix:** Water  
**Sample Name:** Bottle/filter set (First Pass)  
**Lab Code:** K1905989-003

**Service Request:** K1905989  
**Date Collected:** NA  
**Date Received:** 06/27/19 10:30

**Units:** ng/L  
**Basis:** NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

**Analysis Method:** 537  
**Prep Method:** Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.31	1.22	1	08/14/19 19:15	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.31	0.964	1	08/14/19 19:15	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.31	1.20	1	08/14/19 19:15	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.31	1.54	1	08/14/19 19:15	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.31	1.36	1	08/14/19 19:15	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.31	1.28	1	08/14/19 19:15	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.31	1.02	1	08/14/19 19:15	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.31	1.20	1	08/14/19 19:15	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.31	0.580	1	08/14/19 19:15	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.31	0.901	1	08/14/19 19:15	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.31	1.20	1	08/14/19 19:15	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.31	0.939	1	08/14/19 19:15	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	1.21	1	08/14/19 19:15	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	0.994	1	08/14/19 19:15	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	100	70 - 130	08/14/19 19:15	
13C2-PFDA	117	70 - 130	08/14/19 19:15	
D5-EtFOSAA	90	70 - 130	08/14/19 19:15	

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Analytical Report

**Client:** Seychelle Water Filtration Products  
**Project:** Water Filter Research  
**Sample Matrix:** Water  
**Sample Name:** Bottle/filter set Blank (First Pass)  
**Lab Code:** K1905989-004

**Service Request:** K1905989  
**Date Collected:** NA  
**Date Received:** 06/27/19 10:30

**Units:** ng/L  
**Basis:** NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

**Analysis Method:** 537  
**Prep Method:** Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	4.31	1.22	1	08/14/19 19:37	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.31	0.964	1	08/14/19 19:37	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.31	1.20	1	08/14/19 19:37	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	4.31	1.54	1	08/14/19 19:37	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	4.31	1.36	1	08/14/19 19:37	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	4.31	1.28	1	08/14/19 19:37	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	4.31	1.02	1	08/14/19 19:37	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	4.31	1.20	1	08/14/19 19:37	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.31	0.580	1	08/14/19 19:37	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	4.31	0.901	1	08/14/19 19:37	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.31	1.20	1	08/14/19 19:37	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	4.31	0.939	1	08/14/19 19:37	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	1.21	1	08/14/19 19:37	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	4.31	0.994	1	08/14/19 19:37	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	106	70 - 130	08/14/19 19:37	
13C2-PFDA	122	70 - 130	08/14/19 19:37	
D5-EtFOSAA	92	70 - 130	08/14/19 19:37	

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Analytical Report

**Client:** Seychelle Water Filtration Products  
**Project:** Water Filter Research  
**Sample Matrix:** Water  
**Sample Name:** Method Blank  
**Lab Code:** KQ1911276-03

**Service Request:** K1905989  
**Date Collected:** NA  
**Date Received:** NA  
**Units:** ng/L  
**Basis:** NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

**Analysis Method:** 537  
**Prep Method:** Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorobutane sulfonic acid (PFBS)	ND U	5.00	1.22	1	08/14/19 18:09	8/12/19	
Perfluorohexane sulfonic acid (PFHxS)	ND U	5.00	0.964	1	08/14/19 18:09	8/12/19	
Perfluorooctane sulfonic acid (PFOS)	ND U	5.00	1.20	1	08/14/19 18:09	8/12/19	
Perfluorohexanoic acid (PFHxA)	ND U	5.00	1.54	1	08/14/19 18:09	8/12/19	
Perfluoroheptanoic acid (PFHpA)	ND U	5.00	1.36	1	08/14/19 18:09	8/12/19	
Perfluorooctanoic acid (PFOA)	ND U	5.00	1.28	1	08/14/19 18:09	8/12/19	
Perfluorononanoic acid (PFNA)	ND U	5.00	1.02	1	08/14/19 18:09	8/12/19	
Perfluorodecanoic acid (PFDA)	ND U	5.00	1.20	1	08/14/19 18:09	8/12/19	
Perfluoroundecanoic acid (PFUnDA)	ND U	5.00	0.580	1	08/14/19 18:09	8/12/19	
Perfluorododecanoic acid (PFDoDA)	ND U	5.00	0.901	1	08/14/19 18:09	8/12/19	
Perfluorotridecanoic acid (PFTrDA)	ND U	5.00	1.20	1	08/14/19 18:09	8/12/19	
Perfluorotetradecanoic acid (PFTeDA)	ND U	5.00	0.939	1	08/14/19 18:09	8/12/19	
N-Methyl perfluorooctane sulfonamidoacetic acid	ND U	5.00	1.21	1	08/14/19 18:09	8/12/19	
N-Ethyl perfluorooctane sulfonamidoacetic acid	ND U	5.00	0.994	1	08/14/19 18:09	8/12/19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C2-PFHxA	107	70 - 130	08/14/19 18:09	
13C2-PFDA	120	70 - 130	08/14/19 18:09	
D5-EtFOSAA	98	70 - 130	08/14/19 18:09	