

Certificate of Analysis

Submission Reference: 501380

Final Report

s. 9(2)(a)

Aurecon New Zealand Ltd, Christchurch
 PO Box 1061
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 New Zealand

Report Issued: 15-Feb-2018

AsureQuality Reference: 18-53664

Sample(s) Received: 01-Feb-2018 11:20

Results

The tests were performed on the samples as received.

Customer Sample Name: WBN_s. 9(2)(a)_GW1_4_310118

AsureQuality ID: 18-53664-1

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
Poly- and Perfluorinated Alkyl Substances (PFAS) in Water			
Perfluoroalkylsulfonic acids			
PFPtS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)

AsureQuality has used reasonable skill, care, and effort to provide an accurate analysis of the sample(s) which form(s) the subject of this report. However, the accuracy of this analysis is reliant on, and subject to, the sample(s) provided by you and your responsibility as to transportation of the sample(s). AsureQuality's standard terms of business apply to the analysis set out in this report.

Test	Result	Unit	Method Reference
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDODA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	113	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	117	%	AsureQuality Method (LC-MS/MS)
M8PFOS	103	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	111	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	108	%	AsureQuality Method (LC-MS/MS)
MPFHpA	107	%	AsureQuality Method (LC-MS/MS)
M8PFOA	112	%	AsureQuality Method (LC-MS/MS)
M9PFNA	115	%	AsureQuality Method (LC-MS/MS)
M6PFDA	107	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDODA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	95	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	62	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	64	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	106	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	89	%	AsureQuality Method (LC-MS/MS)
DNEtFOSE	75	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	78	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	116	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	124	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	83	%	AsureQuality Method (LC-MS/MS)

Customer Sample Name: WBN_s. 9(2)(a)_GW8_4_310118

AsureQuality ID: 18-53664-2

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
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Poly- and Perfluorinated Alkyl Substances (PFAS) in Water

Perfluoroalkylsulfonic acids			
PFPrS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDODA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	119	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	128	%	AsureQuality Method (LC-MS/MS)
M8PFOS	113	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	109	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	119	%	AsureQuality Method (LC-MS/MS)
MPFHpA	118	%	AsureQuality Method (LC-MS/MS)
M8PFOA	118	%	AsureQuality Method (LC-MS/MS)
M9PFNA	118	%	AsureQuality Method (LC-MS/MS)
M6PFDA	108	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDoDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	97	%	AsureQuality Method (LC-MS/MS)
DNEiFOSA	53	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	56	%	AsureQuality Method (LC-MS/MS)
DNEiFOSAA	85	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	88	%	AsureQuality Method (LC-MS/MS)
DNEiFOSE	60	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	71	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	114	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	127	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	100	%	AsureQuality Method (LC-MS/MS)

Customer Sample Name: WBN_s. 9(2)(a) _GW2_4_310118

AsureQuality ID: 18-53664-3

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
Poly- and Perfluorinated Alkyl Substances (PFAS) in Water			
Perfluoroalkylsulfonic acids			
PFPoS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDODA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	123	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	181 (R)	%	AsureQuality Method (LC-MS/MS)
M8PFOS	216 (R)	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	100	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	120	%	AsureQuality Method (LC-MS/MS)
MPFHpA	128	%	AsureQuality Method (LC-MS/MS)
M8PFOA	157 (R)	%	AsureQuality Method (LC-MS/MS)
M9PFNA	177 (R)	%	AsureQuality Method (LC-MS/MS)
M6PFDA	220 (R)	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDODA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	140	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	75	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	72	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	248 (R)	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	211 (R)	%	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
DNEtFOSE	85	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	111	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	108	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	143	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	171 (R)	%	AsureQuality Method (LC-MS/MS)

R = Recovery outside method limits

Customer Sample Name: WBN_WTP_GW4_4_310118

AsureQuality ID: 18-53664-4

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
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Poly- and Perfluorinated Alkyl Substances (PFAS) in Water**Perfluoroalkylsulfonic acids**

PFPoS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)

Perfluoroalkylcarboxylic acids

PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDoDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)

Perfluorooctanesulfonamides

PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
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Test	Result	Unit	Method Reference
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	92	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	72	%	AsureQuality Method (LC-MS/MS)
M8PFOS	53	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	92	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	100	%	AsureQuality Method (LC-MS/MS)
MPFHpA	80	%	AsureQuality Method (LC-MS/MS)
M8PFOA	76	%	AsureQuality Method (LC-MS/MS)
M9PFNA	69	%	AsureQuality Method (LC-MS/MS)
M6PFDA	55	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDoDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	71	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	54	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	55	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	51	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	53	%	AsureQuality Method (LC-MS/MS)
DNEtFOSE	66	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	64	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	93	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	85	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	56	%	AsureQuality Method (LC-MS/MS)

Customer Sample Name: WBN_WTP_GW5_4_310118

AsureQuality ID: 18-53664-5

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
Poly- and Perfluorinated Alkyl Substances (PFAS) in Water			
Perfluoroalkylsulfonic acids			
PFPtS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDODA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	103	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	113	%	AsureQuality Method (LC-MS/MS)
M8PFOS	98	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	96	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	108	%	AsureQuality Method (LC-MS/MS)
MPFHpA	108	%	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
M8PFOA	109	%	AsureQuality Method (LC-MS/MS)
M9PFNA	111	%	AsureQuality Method (LC-MS/MS)
M6PFDA	105	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDoDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	111	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	56	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	66	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	101	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	98	%	AsureQuality Method (LC-MS/MS)
DNEtFOSE	85	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	96	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	96	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	125	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	122	%	AsureQuality Method (LC-MS/MS)

Customer Sample Name: WBN_WTP_GW5_GWA_4_310118

AsureQuality ID: 18-53664-6

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
Poly- and Perfluorinated Alkyl Substances (PFAS) in Water			
Perfluoroalkylsulfonic acids			
PFPoS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDoDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	119	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	134	%	AsureQuality Method (LC-MS/MS)
M8PFOS	108	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	101	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	110	%	AsureQuality Method (LC-MS/MS)
MPFHpA	112	%	AsureQuality Method (LC-MS/MS)
M8PFOA	119	%	AsureQuality Method (LC-MS/MS)
M9PFNA	117	%	AsureQuality Method (LC-MS/MS)
M6PFDA	103	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDoDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	116	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	61	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	76	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	94	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	81	%	AsureQuality Method (LC-MS/MS)
DNEtFOSE	79	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	98	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	90	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	123	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	91	%	AsureQuality Method (LC-MS/MS)

Customer Sample Name: WBN_WTP_GW5_GWB_4_310118

AsureQuality ID: 18-53664-7

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
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Poly- and Perfluorinated Alkyl Substances (PFAS) in Water

Perfluoroalkylsulfonic acids			
PFPrS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDODA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	83	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	61	%	AsureQuality Method (LC-MS/MS)
M8PFOS	48	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	88	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	88	%	AsureQuality Method (LC-MS/MS)
MPFHpA	71	%	AsureQuality Method (LC-MS/MS)
M8PFOA	67	%	AsureQuality Method (LC-MS/MS)
M9PFNA	59	%	AsureQuality Method (LC-MS/MS)
M6PFDA	43	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDoDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	69	%	AsureQuality Method (LC-MS/MS)
DNEiFOSA	58	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	60	%	AsureQuality Method (LC-MS/MS)
DNEiFOSAA	56	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	49	%	AsureQuality Method (LC-MS/MS)
DNEiFOSE	68	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	83	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	91	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	74	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	51	%	AsureQuality Method (LC-MS/MS)

Customer Sample Name: WBN_WTP_GW5_s.9(2)(a)_4_310118

AsureQuality ID: 18-53664-8

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
Poly- and Perfluorinated Alkyl Substances (PFAS) in Water			
Perfluoroalkylsulfonic acids			
PFPoS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDODA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	98	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	95	%	AsureQuality Method (LC-MS/MS)
M8PFOS	73	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	95	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	103	%	AsureQuality Method (LC-MS/MS)
MPFHpA	92	%	AsureQuality Method (LC-MS/MS)
M8PFOA	93	%	AsureQuality Method (LC-MS/MS)
M9PFNA	83	%	AsureQuality Method (LC-MS/MS)
M6PFDA	70	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDODA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	94	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	66	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	63	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	77	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	74	%	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
DNEtFOSE	78	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	96	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	93	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	93	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	65	%	AsureQuality Method (LC-MS/MS)

Customer Sample Name: 18-53664-6A-Dup

AsureQuality ID: 18-53664-9

Sample Description: Duplicate of WBN_WTP_GW5_GWA_4_310118

Sample Condition: Acceptable

Sampled Date: 31-Jan-2018

Test	Result	Unit	Method Reference
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Poly- and Perfluorinated Alkyl Substances (PFAS) in Water

Perfluoroalkylsulfonic acids

PFPoS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)

Perfluoroalkylcarboxylic acids

PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDoDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)

Perfluorooctanesulfonamides

PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
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Test	Result	Unit	Method Reference
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	89	%	AsureQuality Method (LC-MS/MS)
M3PFHxS	73	%	AsureQuality Method (LC-MS/MS)
M8PFOS	53	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	87	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	94	%	AsureQuality Method (LC-MS/MS)
MPFHpA	81	%	AsureQuality Method (LC-MS/MS)
M8PFOA	73	%	AsureQuality Method (LC-MS/MS)
M9PFNA	63	%	AsureQuality Method (LC-MS/MS)
M6PFDA	48	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDoDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	73	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	40	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	50	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	50	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	42	%	AsureQuality Method (LC-MS/MS)
DNEtFOSE	56	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	67	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	94	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	85	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	47	%	AsureQuality Method (LC-MS/MS)

Nullified fees due to duplicate sample.

QC Results

Blank

Relates to sample(s) 18-53664-1, 18-53664-2, 18-53664-3, 18-53664-4, 18-53664-5, 18-53664-6, 18-53664-7, 18-53664-8, 18-53664-9

Test	Result	Unit	Method Reference
Poly- and Perfluorinated Alkyl Substances (PFAS) in Water			
Perfluoroalkylsulfonic acids			
PFPrS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFBS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFPeS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
L-PFHxS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (3)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFHxS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFHxS (4)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpS	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (5)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (7)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
di-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
mono-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
L-PFOS (6)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Total PFOS (8)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (1)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Sum PFHxS+PFOS (2)	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluoroalkylcarboxylic acids			
PFBA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFPeA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHxA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFHpA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFOA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFNA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFDA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
PFUnDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFDODA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTTrDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
PFTeDA	NR	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamides			
PFOSA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NEtFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSA-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoacetic acids			
NEtFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSAA	<1.0	ng/L	AsureQuality Method (LC-MS/MS)
Perfluorooctanesulfonamidoethanols			
NEtFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
NMeFOSE-M	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Telomere Sulfonic acids			
4:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
6:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
8:2 FTS	<5.0	ng/L	AsureQuality Method (LC-MS/MS)
Internal Standards			
M3PFBS	94	%	AsureQuality Method (LC-MS/MS)

Test	Result	Unit	Method Reference
M3PFHxS	80	%	AsureQuality Method (LC-MS/MS)
M8PFOS	62	%	AsureQuality Method (LC-MS/MS)
M4PFBA	NR	%	AsureQuality Method (LC-MS/MS)
M5PFPeA	90	%	AsureQuality Method (LC-MS/MS)
M5PFHxA	92	%	AsureQuality Method (LC-MS/MS)
MPFHpA	84	%	AsureQuality Method (LC-MS/MS)
M8PFOA	84	%	AsureQuality Method (LC-MS/MS)
M9PFNA	71	%	AsureQuality Method (LC-MS/MS)
M6PFDA	58	%	AsureQuality Method (LC-MS/MS)
M7PFUnDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFDoDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFTeDA	NR	%	AsureQuality Method (LC-MS/MS)
MPFOSA	72	%	AsureQuality Method (LC-MS/MS)
DNEtFOSA	56	%	AsureQuality Method (LC-MS/MS)
DNMeFOSA	65	%	AsureQuality Method (LC-MS/MS)
DNEtFOSAA	70	%	AsureQuality Method (LC-MS/MS)
DNMeFOSAA	53	%	AsureQuality Method (LC-MS/MS)
DNEtFOSE	67	%	AsureQuality Method (LC-MS/MS)
DNMeFOSE	82	%	AsureQuality Method (LC-MS/MS)
M4:2FTS	89	%	AsureQuality Method (LC-MS/MS)
M6:2FTS	84	%	AsureQuality Method (LC-MS/MS)
M8:2FTS	60	%	AsureQuality Method (LC-MS/MS)

Analysis Summary

Wellington Laboratory

Analysis	Method	Authorised by
Poly- and Perfluorinated Alkyl Substances (PFAS) in Water		
DX-PFCS01, 03-SUITE_B	AsureQuality Method (LC-MS/MS)	s. 9(2)(a)
di-PFHxS (1) = Concentration determined using a branched di-PFHxS isomer standard (399>80 transition) mono-PFHxS (1) = Concentration determined using a branched mono-PFHxS isomer standard (399>80 transition) L-PFHxS (1) = Concentration determined using the linear PFHxS isomer standard (399>80 transition) Total PFHxS (3) = The numerical sum of di-PFHxS (1), mono-PFHxS (1), and L-PFHxS (1) di-PFHxS (2) = Concentration determined using the linear PFHxS isomer standard (399>80 transition) mono-PFHxS (2) = Concentration determined using the linear PFHxS isomer standard (399>80 transition) L-PFHxS (2) = Concentration determined using the linear PFHxS isomer standard (399>80 transition). This result is identical to L-PFHxS (1). Total PFHxS (4) = The numerical sum of di-PFHxS (2), mono-PFHxS (2), and L-PFHxS (2) di-PFOS (5) = Concentration determined using a branched di-PFOS isomer standard (499>80 transition) mono-PFOS (5) = Concentration determined using a branched mono-PFOS isomer standard (499>80 transition) L-PFOS (5) = Concentration determined using the linear PFOS isomer standard (499>230 transition) Total PFOS (7) = The numerical sum of di-PFOS (5), mono-PFOS (5), and L-PFOS (5) di-PFOS (6) = Concentration determined using the linear PFOS isomer standard (499>80 transition) mono-PFOS (6) = Concentration determined using the linear PFOS isomer standard (499>80 transition) L-PFOS (6) = Concentration determined using the linear PFOS isomer standard (499>80 transition) Total PFOS (8) = The numerical sum of di-PFOS (6), mono-PFOS (6), and L-PFOS (6) Sum PFHxS+PFOS (1) = The numerical sum of Total PFHxS (3) and Total PFOS (7) Sum PFHxS+PFOS (2) = The numerical sum of Total PFHxS (4) and Total PFOS (8) For all Totals, where a component is detected below the LOR, the value of zero is used in the calculation of the sum. The result represents the lower-bound concentration present in the sample. Reported results are corrected for internal standard recovery		
Results that are prefixed with '<' indicate the lowest level at which the analyte can be reported, and that in this case the analyte was not observed above this limit. NR = Not Reportable		

s. 9(2)(a)

s. 9(2)(a)

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Appendix

Analyte LOR Summary

Poly- and Perfluorinated Alkyl Substances (PFAS) in Water - AsureQuality Method (LC-MS/MS)

Analyte	LOR (ng/L)
Perfluoroalkylsulfonic acids	
PFPoS	1.0
PFBS	1.0
PFPeS	1.0
di-PFHxS (1)	1.0
mono-PFHxS (1)	1.0
L-PFHxS (1)	1.0
Total PFHxS (3)	1.0
di-PFHxS (2)	1.0
mono-PFHxS (2)	1.0
L-PFHxS (2)	1.0
Total PFHxS (4)	1.0
PFHpS	1.0
di-PFOS (5)	1.0
mono-PFOS (5)	1.0
L-PFOS (5)	1.0
Total PFOS (7)	1.0
di-PFOS (6)	1.0
mono-PFOS (6)	1.0
L-PFOS (6)	1.0
Total PFOS (8)	1.0
Sum PFHxS+PFOS (1)	1.0
Sum PFHxS+PFOS (2)	1.0
PFNS	1.0
PFDS	1.0
Perfluoroalkylcarboxylic acids	
PFBA	NR
PFPeA	1.0
PFHxA	1.0
PFHpA	1.0
PFOA	1.0
PFNA	1.0
PFDA	1.0
PFUnDA	NR
PFDoDA	NR
PFTTrDA	NR
PFTeDA	NR
Perfluorooctanesulfonamides	
PFOSA	1.0
NEtFOSA-M	1.0
NMeFOSA-M	1.0
Perfluorooctanesulfonamidoacetic acids	
NEtFOSAA	1.0
NMeFOSAA	1.0
Perfluorooctanesulfonamidoethanols	
NEtFOSE-M	1.0
NMeFOSE-M	1.0
Telomere Sulfonic acids	
4:2 FTS	1.0

6:2 FTS	1.0
8:2 FTS	1.0

Analyte Definitions

Poly- and Perfluorinated Alkyl Substances (PFAS) in Water - AsureQuality Method (LC-MS/MS)

Analyte	Full Name
Perfluoroalkylsulfonic acids	
PFPtS	Perfluoro-1-propanesulfonic acid
PFBS	Perfluoro-1-butanesulfonic acid
PFPeS	Perfluoro-1-pentanesulfonic acid
di-PFHxS (1)	Total Perfluorodimethylbutane sulfonic acids
mono-PFHxS (1)	Total Perfluoromethylpentane sulfonic acids
L-PFHxS (1)	Linear Perfluorohexanesulfonic acid
di-PFHxS (2)	Total Perfluorodimethylbutane sulfonic acids
mono-PFHxS (2)	Total Perfluoromethylpentane sulfonic acids
L-PFHxS (2)	Linear Perfluorohexanesulfonic acid
PFHpS	Perfluoro-1-heptanesulfonic acid
di-PFOS (5)	Total Perfluorodimethylhexane sulfonic acids
mono-PFOS (5)	Total Perfluoromethylheptane sulfonic acids
L-PFOS (5)	Linear Perfluorooctanesulfonic acid
di-PFOS (6)	Total Perfluorodimethylhexane sulfonic acids
mono-PFOS (6)	Total Perfluoromethylheptane sulfonic acids
L-PFOS (6)	Linear Perfluorooctanesulfonic acid
PFNS	Perfluoro-1-nonanesulfonic acid
PFDS	Perfluoro-1-decanesulfonic acid
Perfluoroalkylcarboxylic acids	
PFBA	Perfluoro-n-butanoic acid
PFPeA	Perfluoro-n-pentanoic acid
PFHxA	Perfluoro-n-hexanoic acid
PFHpA	Perfluoro-n-heptanoic acid
PFOA	Perfluoro-n-octanoic acid
PFNA	Perfluoro-n-nonanoic acid
PFDA	Perfluoro-n-decanoic acid
PFUnDA	Perfluoro-n-undecanoic acid
PFDoDA	Perfluoro-n-dodecanoic acid
PFTrDA	Perfluoro-n-tridecanoic acid
PFTeDA	Perfluoro-n-tetradecanoic acid
Perfluorooctanesulfonamides	
PFOSA	Perfluoro-1-octanesulfonamide
NEtFOSA-M	N-ethylperfluoro-1-octanesulfonamide
NMeFOSA-M	N-methylperfluoro-1-octanesulfonamide
Perfluorooctanesulfonamidoacetic acids	
NEtFOSAA	N-ethylperfluoro-1-octanesulfonamidoacetic acid
NMeFOSAA	N-methylperfluoro-1-octanesulfonamidoacetic acid
Perfluorooctanesulfonamidoethanols	
NEtFOSE-M	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol
NMeFOSE-M	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol
Telomere Sulfonic acids	
4:2 FTS	1H,1H,2H,2H-perfluoro-1-hexanesulfonic acid
6:2 FTS	1H,1H,2H,2H-perfluoro-1-octanesulfonic acid
8:2 FTS	1H,1H,2H,2H-perfluoro-1-decanesulfonic acid
Internal Standards	
M3PFBS	Perfluoro-1-[2,3,4-13C3]butanesulfonic acid
M3PFHxS	Perfluoro-1-[1,2,3-13C3]hexanesulfonic acid
M8PFOS	Perfluoro-1-[13C8]octanesulfonic acid

Analyte	Full Name
M4PFBA	Perfluoro-n-[1,2,3,4-13C4]butanoic acid
M5PFPeA	Perfluoro-n-[1,2,3,4,5-13C5]pentanoic acid
M5PFHxA	Perfluoro-n-[1,2,3,4,6-13C5]hexanoic acid
MPFHpA	Perfluoro-n-[1,2,3,4-13C4]heptanoic acid
M8PFOA	Perfluoro-n-[13C8]octanoic acid
M9PFNA	Perfluoro-n-[13C9]nonanoic acid
M6PFDA	Perfluoro-n-[1,2,3,4,5,6-13C6]decanoic acid
M7PFUnDA	Perfluoro-n-[1,2,3,4,5,6,7-13C7]undecanoic acid
MPFDoDA	Perfluoro-n-[1,2-13C2]dodecanoic acid
MPFTeDA	Perfluoro-n-[1,2-13C2]tetradecanoic acid
MPFOSA	Perfluoro-1-[13C8]octanesulfonamide
DNEtFOSA	N-ethyl-D5-perfluoro-1-octanesulfonamide
DNMeFOSA	N-methyl-D3-perfluoro-1-octanesulfonamide
DNEtFOSAA	N-ethyl-D5-perfluoro-1-octanesulfonamidoacetic acid
DNMeFOSAA	N-methyl-D3-perfluoro-1-octanesulfonamidoacetic acid
DNEtFOSE	2-(N-ethyl-D5-perfluoro-1-octanesulfonamido)ethan-D4-ol
DNMeFOSE	2-(N-methyl-D3-perfluoro-1-octanesulfonamido)ethan-D4-ol
M4:2FTS	1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-hexane sulfonic acid
M6:2FTS	1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonic acid
M8:2FTS	1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonic acid

LOR = Limit of Reporting

LOD = Limit of Detection

NR = Not Reportable