

Test report ID XXXXX

Customer	Example Company
Assignment	Measurlabs provided PFAS analyses for water samples as requested by the customer.
Sample(s)	Sampling was performed by the customer.

Sample name	Details	Performed measurements
Sample 1	Sample material: drinking water	PFAS in drinking water and natural water (extensive analysis package)
Sample 2	Sample material: drinking water	
Sample 3	Sample material: drinking water	
Sample 4	Sample material: drinking water	

Samples received dd/mm/yyyy

Results The results presented on the next page(s) relate to the tested sample(s) only.

On XXXXX, issued by

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Test results - Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Methods

Testing was performed by an ISO/IEC 17025 accredited external service provider.

PFAS compounds: LC-MS/MS, SPE extraction - Ref. ISO 25101 / DIN 38407-42 / ISO 21675

Additional information

Table 1. Analytes included in the PFAS analysis package

Compound	Abbreviation	CAS number
Perfluorobutansulfonic acid	PFBS	29420-49-3 / 375-73-5 / 59933-66-3 / 749861-23-2
Perfluorohexane sulfonic acid	PFHxS	3871-99-6 / 355-46-4 / 82382-12-15 / 432-50-7 / 55120-77-9 / 68259-08-5
Perfluoro 1-heptanesulphonic acid	PFHpS	375-92-8 / 60270-55-5 / 68555-66-8
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluoro n-hexanoic acid	PFHxA	307-24-4
Perfluoro n-heptanoic acid	PFHpA	375-85-9
7H-Perfluoroheptanoic acid	HPFHpA	1546-95-8
Perfluorooctane sulfonic acid	PFOS	2795-39-3 / 1763-23-1 / 29457-72-5 / 29081-56-9 / 70225-14-8 / 56773-42-3 / 251099-16-8
Perfluorodecane sulfonic acid	PFDS	335-77-3 / 2806-15-7 / 2806-16-8 / 67906-42-7
Perfluorooctane-sulfonamide	PFOSA	754-91-6
Perfluoro octanoic acid	PFOA	335-67-1 / 3825-26-1 / 335-95-5 / 2395-00-8 / 335-93-3 / 335-66-0 / 98241-25-9
Perfluoro nonanoic acid	PFNA	375-95-1 / 21049-39-8 / 4149-60-4
Perfluoro decanoic acid	PFDA	335-76-2 / 3108-42-7 / 3830-45-3
Perfluoroundecanoic acid	PFUnA	2058-94-8 / 4234-23-5
Perfluorododecanoic acid	PFDoA	307-55-1
Perfluorotridecanoic acid	PFTrA	72629-94-8
Perfluorotetradecanoic acid	PFTA	376-06-7
Perfluoro-3,7-dimethyloctanoic acid	H2PFDA	172155-07-6
1H,1H,2H,2H-Perfluorodecane sulfonate	8:2 FTS	39108-34-4
Perfluoro Pentanesulfonic acid	PFPeS	2706-91-4 / 3872-25-1 / 630402-22-1 / 68259-09-6
Perfluoro nonanesulfonic acid	PFNS	35192-74-6 / 29359-39-5 / 17202-41-4 / 474511-07-4
1H,1H,2H,2H-perfluoro-1-hexanesulfonate	4:2 FTS	757124-72-4 / 414911-30-1
1H,1H,2H,2H-perfluoro-1-octanesulfonate	6:2 FTS	27619-97-2 / 425670-75-3
1H,1H,2H,2H-perfluoro-1-dodecane sulfonate	10:2 FTS	108026-35-3 / 120226-60-0
Perfluorododecansulfonic acid	PFDoS	79780-39-5 / 2386-56-0
Perfluorohexadecanoic acid	PFHxDA	67905-19-5
Perfluorooctadecanoic acid	PFODA	16517-11-6
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propanoic acid	HFPO-DA / GenX	62037-80-3
2H,2H,3H,3H-Perfluoroundecanoic acid	HPFUnA	34598-33-9

Compound	Abbreviation	CAS number
Perfluoro-5-oxahexanoic acid	PF5OHxA	863090-89-5
Perfluoro-3,6-dioxaheptanoic acid	3,6-OPFHpA	151772-58-6
Perfluoro-4-oxapentanoic acid	PF4OPeA	377-73-1
Potassium 9-chloroeicosanfluoro-3-oxaundecane-1-sulfonate	9Cl-PF30UdS	83329-89-9
Potassium 9-chlorohexadecafluoro-3-oxanonana-1-sulfonate	9Cl-PF3ONS	73606-19-6
Potassium perfluoro (2-ethoxyethane)sulfonate	PFEESA	113507-82-7
Sodium 1H,1H,2H,2H-pefluorodecyl phosphate	8:2 PAP	57678-03-2
Sodium 1H,1H,2H,2H-pefluorooctyl phosphate	6:2 PAP	57678-01-0
Sodium 8-chloropefluoro-1-octanesulfonate	8Cl-PFOS	2481740-05-8
Sodium dodecafluoro-3H-4,8-dioxanonanoate	NaDONA	958445-44-8
Perfluoromethanesulfonic acid	PFMS	1493-13-6
Perfluoroethanesulfonic acid	PFES	354-88-1
Perfluoroundecansulfonic acid	PFUnS	749786-16-1
Perfluorotridecansulfonic acid	PFTrS	791563-89-8
F-DIOX Acid - C6O4	-	1190931-41-9
2-Chloro-perfluoroethercarboxylate congener 0,1 - ADV-N2	-	948590-83-8
2-Chloro-perfluoroethercarboxylate congener 0,2 - ADV-N3	-	-
2-Chloro-perfluoroethercarboxylate congener 0,3 - ADV-N4	-	-
2-Chloro-perfluoroethercarboxylate congener 0,4 - ADV-N5	-	-
2-Chloro-perfluoroethercarboxylate congener 1,1 - ADV-M3	-	-
2-Chloro-perfluoroethercarboxylate congener 1,2 - ADV-M4	-	-
Perfluoro(2,5,8,11,14-pentamethyl-3,6,9,12,15-pentaoxaoctadecanoic) acid	HFPO-HxA	-
Perfluoro(2,5,8,11-tetramethyl-3,6,9,12-tetraoxapentadecanoic) acid	HFPO-PeA	65150-95-0
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid	HFPO-TeA	65294-16-8
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid	HFPO-TA	13252-14-7
Trifluoroacetic acid	TFA	76-05-1
Perfluoropropionic acid	PFPrA	422-64-0
Perfluoropropanesulfonic acid	PFPrS	423-41-6

Results

The results are presented in the following table

Table 2. The results for samples 1–4

Compound	Unit	LOQ*	Results			
			Sample 1	Sample 2	Sample 3	Sample 4
PFBS	ng/L	1	< LOQ	2.8	< LOQ	< LOQ
PFHxS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFHpS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFBA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFPeA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFHxA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFHpA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
HPFHpA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFOS	ng/L	1	< LOQ	3.4	1.6	< LOQ
PFDS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFOSA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFOA	ng/L	1	1.8	< LOQ	< LOQ	2.5
PFNA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFDA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFUnA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFDoA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFTra	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFTA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
H2PFDA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
8:2 FTS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFPeS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFNS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
4:2 FTS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
6:2 FTS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
10:2 FTS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFDoS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFHxDA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFODA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
HFPO-DA / GenX	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
HPFUnA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PF5OHxA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
3,6-OPFHpA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PF4OPeA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
Compound	Unit	LOQ*	Results			

			Sample 1	Sample 2	Sample 3	Sample 4
9CI-PF30UdS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
9CI-PF30NS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFEESA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
8:2 PAP	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
6:2 PAP	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
8CI-PFOS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
NaDONA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFMS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFES	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFUnS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFTTrS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
F-DIOX Acid - C604	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
2-Chloro-perfluoroether carboxylate congener 0,1 - ADV-N2	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
2-Chloro-perfluoroether carboxylate congener 0,2 - ADV-N3	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
2-Chloro-perfluoroether carboxylate congener 0,3 - ADV-N4	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
2-Chloro-perfluoroether carboxylate congener 0,4 - ADV-N5	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
2-Chloro-perfluoroether carboxylate congener 1,1 - ADV-M3	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
2-Chloro-perfluoroether carboxylate congener 1,2 - ADV-M4	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
HFPO-HxA	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
HFPO-PeA	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
HFPO-TeA	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
HFPO-TA	ng/L	10	< LOQ	< LOQ	< LOQ	< LOQ
TFA	ng/L	50	153.2	346.4	98.5	110.3
PFPrA	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ
PFPrS	ng/L	1	< LOQ	< LOQ	< LOQ	< LOQ

*LOQ - Limit of Quantification

End of the test report