



Corporate Accreditation No 63
Accredited for compliance with ISO/IEC 17025 - Testing



Analytical Report 315141

Issue Date: 12/11/2024
Issued By : [Redacted] Commercial Client Representative

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Attention: [Redacted]
Customer: Health Systems Support Group- Health Protection NSW
Customer ID: [Redacted]

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Sydney Water Approved Signatory

[Redacted] Organics Analyst

Where a result is required to meet a compliance limit or specification the associated uncertainty must be considered. Uncertainty estimates are available for all accredited test results.

SAMPLE SUMMARY

<u>Client Sample ID</u>	<u>Sample Number</u>	<u>Sampling Procedure</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Date Authorised</u>	<u>Description</u>
Field Blank	L24090716	1	28/10/2024	29/10/2024	07/11/2024	Port Mac (DW)
M31 Port Mac	L24090717	1	28/10/2024	29/10/2024	11/11/2024	PM-MH-7: Port Base Hospital. PMHEL Ref: H24 2456-1 (DW) A24HA0100001
Port Mac Dup	L24090718	1	28/10/2024	29/10/2024	11/11/2024	(DW)
T43 Telegraph Pt	L24090719	1	28/10/2024	29/10/2024	11/11/2024	TP-T2-2: Telegraph Point School Tap. PMHEL Ref : H24 2456-2 (DW) A24HA0200001
T44 Long Flat	L24090720	1	28/10/2024	29/10/2024	11/11/2024	LF-LF-1: Long Flat Chlorinator Building. PMHEL Ref: H24 2456-3 (DW) A24HA0400001
T42 Comboyne	L24090721	1	28/10/2024	29/10/2024	11/11/2024	CB-CB-2: Comboyne School Tap. PMHEL Ref: H 24 2456-4 (DW) A24HA0300001
M29 Wauchope	L24090722	1	29/10/2024	29/10/2024	11/11/2024	WA-BR-4: Wauchope Park (Cameron St). PMHEL Ref: H24 2456-5 (DW) A24HA0500001

Sampling procedures

- 1 Samples analysed as received.
- 2 Samples collected as per FS procedures SAWI 070, Excluding Oil & Grease which is collected as per clients instructions.
- 3 Samples collected as per FS procedures SAWI 070.
- 4 Results reported as received from WNSW.

ANALYTICAL RESULTS

Client Sample ID	Field Blank	M31 Port Mac	Port Mac Dup	T43 Telegraph Pt	T44 Long Flat	T42 Comboyne	M29 Wauchope	
Sampled Date	28/10/2024 12:25:00 PM	28/10/2024 12:25:00 PM	28/10/2024 12:25:00 PM	28/10/2024 08:45:00 AM	28/10/2024 09:55:00 AM	28/10/2024 10:45:00 AM	29/10/2024 11:55:00 AM	
Sample Number	L24090716	L24090717	L24090718	L24090719	L24090720	L24090721	L24090722	

ORGANICS

TC0066WULL : Analysis of PFAS by LCMSMS

PFPeA (2706-90-3)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
PFHxA (307-24-4)	ug/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
PFHpA (375-85-9)	ug/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
PFOA (335-67-1)	ug/L	<0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	
PFNA (375-95-1)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFDA (335-76-2)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFDaA (307-55-1)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFTrDA (72629-94-8)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
PFTeDA (376-06-7)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
PFHxDA (67905-19-5)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
PFODA (16517-11-6)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

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Sample Number	L24090716	L24090717	L24090718	L24090719	L24090720	L24090721	L24090722	

ORGANICS

TC0066WULL : Analysis of PFAS by LCMSMS(Continued)

FOUEA (70887-84-2)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
PFBS (375-73-5)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFPeS (2706-91-4)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFHxS (355-46-4)	ug/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
PFHpS (375-92-8)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFOS (1763-23-1)	ug/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
PFNS (68259-12-1)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFDS (335-77-3)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFOSA (754-91-6)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	
N-MeFOSA (31506-32-8)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
N-EtFOSA (4151-50-2)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
N-MeFOSAA (2355-31-9)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

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ORGANICS

TC0066WULL : Analysis of PFAS by LCMSMS(Continued)

N-EtFOSAA(2991-50-6)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
N-MeFOSE (24448-09-7)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
N-EtFOSE (1691-99-2)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4:2 FTS (757124-72-4)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
6:2 FTS (27619-97-2)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8:2 FTS (39108-34-4)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10:2 FTS (120226-60-0)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8:2 diPAP (678-41-1)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFMPA (377-73-1)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFMBA (863090-89-5)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
NFDHA (151772-58-6)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
HFPO-DA (13252-13-6)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

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ORGANICS									
TC0066WULL : Analysis of PFAS by LCMSMS(Continued)									
ADONA (2250081-67-3)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFEESA (113507-82-7)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9CI-PF3ONS (73606-19-6)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
11CI-PF3OUdS (83329-89-9)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3:3FTCA (356-02-5)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
5:3FTCA (914637-49-3)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
7:3FTCA (812-70-4)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFBA (375-22-4)	ug/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
PFUnDA (2058-94-8)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
PFDoS (79780-39-5)	ug/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
13C4-PFBA surrogate	% Recovery	82.5	80.0	77.5	72.5	72.5	67.5	85.0	
13C5-PFPeA surrogate	% Recovery	75.0	75.0	75.0	75.0	72.5	67.5	70.0	

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ORGANICS

TC0066WULL : Analysis of PFAS by LCMSMS(Continued)

Surrogate	% Recovery	Field Blank	M31 Port Mac	Port Mac Dup	T43 Telegraph Pt	T44 Long Flat	T42 Comboyne	M29 Wauchope
13C5-PFHxA surrogate	% Recovery	80.0	72.5	72.5	72.5	65.0	65.0	67.5
13C4-PFHpA surrogate	% Recovery	72.5	70.0	70.0	67.5	75.0	70.0	70.0
13C8-PFOA surrogate	% Recovery	70.0	70.0	65.0	65.0	65.0	60.0	65.0
13C9-PFNA surrogate	% Recovery	70.0	85.0	72.5	70.0	72.5	72.5	70.0
13C6-PFDA surrogate	% Recovery	95.0	90.0	82.5	85.0	80.0	80.0	77.5
13C2-PFUnDA surrogate	% Recovery	87.5	70.0	60.0	67.5	67.5	60.0	62.5
13C2-PFTeDA surrogate	% Recovery	50.0	35.0	35.0	27.5	35.0	30.0	30.0
13C2-PFHxDA surrogate	% Recovery	52.5	40.0	37.5	40.0	37.5	35.0	37.5
13C2-FOUEA surrogate	% Recovery	80.0	70.0	70.0	67.5	62.5	65.0	70.0
13C3-PFBS surrogate	% Recovery	80.0	82.5	75.0	75.0	77.5	65.0	67.5
13C3-PFHxS surrogate	% Recovery	77.5	85.0	67.5	72.5	72.5	65.0	70.0
13C8-PFOS surrogate	% Recovery	80.0	75.0	75.0	80.0	80.0	72.5	70.0

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ORGANICS									
TC0066WULL : Analysis of PFAS by LCMSMS(Continued)									
13C8-PFOSA surrogate	% Recovery	65.0	57.5	65.0	67.5	65.0	62.5	62.5	
d3-N-MeFOSAA surrogate	% Recovery	65.0	47.5	47.5	52.5	55.0	45.0	45.0	
d5-N-EtFOSAA surrogate	% Recovery	62.5	50.0	52.5	52.5	67.5	55.0	47.5	
d7-N-MeFOSE-M surrogate	% Recovery	60.0	50.0	47.5	40.0	57.5	47.5	42.5	
d9-N-EtFOSE-M surrogate	% Recovery	52.5	42.5	47.5	30.0	45.0	45.0	37.5	
d3-N-MeFOSA-M surrogate	% Recovery	37.5	30.0	30.0	20.0	35.0	20.0	25.0	
d5-N-EtFOSA-M surrogate	% Recovery	35.0	25.0	27.5	20.0	35.0	17.5	22.5	
13C2-6:2FTS surrogate	% Recovery	72.5	65.0	80.0	72.5	72.5	65.0	62.5	
13C2-8:2FTS surrogate	% Recovery	70.0	62.5	65.0	67.5	70.0	55.0	57.5	
13C2-10:2FTS surrogate	% Recovery	67.5	52.5	47.5	52.5	65.0	50.0	47.5	
13C2-8:2diPAP surrogate	% Recovery	75.0	40.0	45.0	47.5	47.5	27.5	42.5	

Client Sample ID	Field Blank	M31 Port Mac	Port Mac Dup	T43 Telegraph Pt	T44 Long Flat	T42 Comboyne	M29 Wauchope	
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Sample Number	L24090716	L24090717	L24090718	L24090719	L24090720	L24090721	L24090722	
ORGANICS								
TC0066WULL : Analysis of PFAS by LCMSMS(Continued)								
13C3-HFPO-DA surrogate	% Recovery	82.5	72.5	70.0	67.5	70.0	70.0	70.0
PFHxS + PFOS	ug/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Date of Performance	DD/MM/YY	31/10/24	31/10/24	31/10/24	31/10/24	31/10/24	31/10/24	31/10/24

COMMENTS

Analysis

TC0066WULL

Analysis Requirements

See PFAS comments below

PFAS comments**Recovery corrected through true isotope dilution**

Perfluoro-n-butyanoic acid (PFBA)
 Perfluoro-n-pentanoic (PFPeA)
 Perfluoro-n-hexanoic Acid (PFHxA)
 Perfluoro-n-heptanoic Acid (PFHpA)
 Perfluoro-n-octanoic Acid (PFOA)
 Perfluoro-n-nonanoic Acid (PFNA)
 Perfluoro-n-decanoic Acid (PFDA)
 Perfluoro-n-undecanoic Acid (PFUnA)
 Perfluoro-n-dodecanoic Acid (PFDoA)
 Perfluoro-n-tetradecanoic Acid (PFTeDA)
 Perfluoro-n-hexadecanoic Acid (PFHxDA)
 2H-Perfluoro-2-decenoic Acid (FOUEA)
 Perfluoro-1-butanefulfonic Acid (PFBS)
 Perfluoro-1-hexanesulfonic Acid (PFHxS)
 Perfluoro-1-octanesulfonic Acid (PFOS)
 Perfluoro-1-ctanesulfonamide (PFOSA)
 N-methyl perfluorooctanesulfonamide (N-MeFOSA)
 N-ethyl perfluorooctanesulfonamide (N-EtFOSA)
 N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)
 N-ethylperfluorooctanesulfonamidoacetic acid (N-EtFOSAA)
 N-methylperfluorooctanesulfonamidoethanol (N-MeFOSE)
 N-ethylperfluorooctanesulfonamidoethanol (N-EtFOSE)
 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)
 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2 FTS)
 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTS)
 1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)
 Bis(1H,1H,2H,2H-perfluorodecyl)Phosphate (8:2 diPAP)
 Hexafluoropropylene oxide dimer acid (HFPO-DA)

Recovery corrected through extracted internal standard

Perfluoro-n-tridecanoic Acid (PFTrDA)
 Perfluoro-n-octadecanoic Acid (PFODA)
 Perfluoro-1-pentanesulfonic Acid (PFPeS)
 Perfluoro-1-heptanesulfonic Acid (PFHpS)
 Perfluoro-1-nonanesulfonic Acid (PFNS)
 Perfluoro-1-decanesulfonic Acid (PFDS)
 Perfluoro-1-dodecanesulfonic Acid (PFDoS)
 Perfluoro-3-methoxypropionic acid (PFMPA)
 Perfluoro-4-methoxybutanoic acid (PFMBA)
 Perfluoro-3,6-dioxaheptanoic acid (NFDHA)
 4,8-dioxa-3H-perfluorononanoate (ADONA)
 Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)
 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3 ONS)
 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3 OUs)
 3-Perfluoropropyl Propanoic Acid (3:3FTCA)
 3-Perfluoropentyl propanoic acid (5:3FTCA)
 3-Perfluoroheptyl propanoic acid (7:3FTCA)

NOTE

PFOA, PFNA, PFHxS, PFOS, PFOSA, N-MeFOSAA, N-EtFOSAA, N-MeFOSE and N-EtFOSE are quantified and reported as sum of the isomers.

For liquid samples

Whole sample is analysed.

For solid samples

Sample analysed as received and reported on dry weight basis.

LABORATORY QC RESULTS

N/A - Not Applicable

PQL - Practical Quantitation Limit

LOQ - Limit of Quantification

RPD - Relative Percent Difference

SPIKE/Positive Control - Addition of a known amount and concentration

Duplicate Precision = Accepted - Result 2 within 95% confidence limits of result 1

Duplicate Precision = Outlier - Result 2 outside 95% confidence limits of result 1

Duplicate Precision = Not calculated - Result is outside test range

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
TC0066WULL 10:2 FTS (120226-60-0)						
<0.0005 ug/L	<0.0005	119 <i>70.0 - 130.0 ug/L</i>	81.9 % Recovery <i>60.0 - 140.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL 11CI-PF3OUdS (83329-89-9)						
<0.0005 ug/L	<0.0005	94.5 <i>70.0 - 130.0 ug/L</i>	70.2 % Recovery <i>50.0 - 150.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL 3:3FTCA (356-02-5)						
<0.0005 ug/L	<0.0005	90.5 <i>70.0 - 130.0 ug/L</i>	82.0 % Recovery <i>70.0 - 130.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL 4:2 FTS (757124-72-4)						
<0.001 ug/L	<0.001	126 <i>70.0 - 130.0 ug/L</i>	112 % Recovery <i>70.0 - 135.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>
TC0066WULL 5:3FTCA (914637-49-3)						
<0.0005 ug/L	<0.0005	86.7 <i>70.0 - 130.0 ug/L</i>	70.3 % Recovery <i>70.0 - 130.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL 6:2 FTS (27619-97-2)						
<0.0005 ug/L	<0.0005	114 <i>70.0 - 130.0 ug/L</i>	100 % Recovery <i>70.0 - 135.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
TC0066WULL 7:3FTCA (812-70-4)						
<0.0005 ug/L	<0.0005	85.2 <i>70.0 - 130.0 ug/L</i>	73.9 % Recovery <i>50.0 - 135.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL 8:2 diPAP (678-41-1)						
<0.0005 ug/L	<0.0005	128 <i>70.0 - 130.0 ug/L</i>	90.6 % Recovery <i>60.0 - 140.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL 8:2 FTS (39108-34-4)						
<0.0005 ug/L	<0.0005	125 <i>70.0 - 130.0 ug/L</i>	109 % Recovery <i>70.0 - 130.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL 9CI-PF3ONS (73606-19-6)						
<0.0005 ug/L	<0.0005	85.5 <i>70.0 - 130.0 ug/L</i>	76.9 % Recovery <i>70.0 - 145.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL ADONA (2250081-67-3)						
<0.0005 ug/L	<0.0005	95.0 <i>70.0 - 130.0 ug/L</i>	78.8 % Recovery <i>70.0 - 135.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL FOUEA (70887-84-2)						
<0.001 ug/L	<0.001	77.7 <i>70.0 - 130.0 ug/L</i>	67.4 % Recovery <i>60.0 - 140.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>
TC0066WULL HFPO-DA (13252-13-6)						
<0.0005 ug/L	<0.0005	86.5 <i>70.0 - 130.0 ug/L</i>	72.1 % Recovery <i>70.0 - 135.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
TC0066WULL N-EtFOSA (4151-50-2)						
<0.001 ug/L	<0.001	104 <i>70.0 - 130.0 ug/L</i>	91.8 % Recovery <i>70.0 - 130.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>
TC0066WULL N-EtFOSE (1691-99-2)						
<0.001 ug/L	<0.001	70.8 <i>70.0 - 130.0 ug/L</i>	74.1 % Recovery <i>70.0 - 130.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>
TC0066WULL NFDHA (151772-58-6)						
<0.0005 ug/L	<0.0005	78.3 <i>70.0 - 130.0 ug/L</i>	76.9 % Recovery <i>65.0 - 140.0 % Recovery</i>	<0.0005	<0.0005	B <i>0.0 - 0.0 %</i>
TC0066WULL N-MeFOSA (31506-32-8)						
<0.001 ug/L	<0.001	112 <i>70.0 - 130.0 ug/L</i>	107 % Recovery <i>70.0 - 135.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>
TC0066WULL N-MeFOSAA (2355-31-9)						
<0.001 ug/L	<0.001	122 <i>70.0 - 130.0 ug/L</i>	103 % Recovery <i>65.0 - 140.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>
TC0066WULL N-MeFOSE (24448-09-7)						
<0.001 ug/L	<0.001	85.5 <i>70.0 - 130.0 ug/L</i>	72.8 % Recovery <i>70.0 - 135.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>
TC0066WULL PFBA (375-22-4)						
<0.001 ug/L	<0.001	120 <i>70.0 - 130.0 ug/L</i>	92.6 % Recovery <i>70.0 - 135.0 % Recovery</i>	<0.001	<0.001	B <i>0.0 - 0.0 %</i>

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
TC0066WULL PFBS (375-73-5)						
<0.0005 ug/L	<0.0005	125 70.0 - 130.0 ug/L	105 % Recovery 70.0 - 140.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFDA (335-76-2)						
<0.0005 ug/L	<0.0005	120 70.0 - 130.0 ug/L	113 % Recovery 65.0 - 140.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFDoA (307-55-1)						
<0.0005 ug/L	<0.0005	120 70.0 - 130.0 ug/L	89.2 % Recovery 70.0 - 130.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFDoS (79780-39-5)						
<0.0005 ug/L	<0.0005	93.3 70.0 - 130.0 ug/L	69.3 % Recovery 45.0 - 135.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFDS (335-77-3)						
<0.0005 ug/L	<0.0005	130 70.0 - 130.0 ug/L	100 % Recovery 70.0 - 135.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFEESA (113507-82-7)						
<0.0005 ug/L	<0.0005	94.2 70.0 - 130.0 ug/L	79.7 % Recovery 70.0 - 135.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFHpA (375-85-9)						
<0.0002 ug/L	<0.0002	125 70.0 - 130.0 ug/L	129 % Recovery 70.0 - 135.0 % Recovery	<0.0002	<0.0002	B 0.0 - 0.0 %

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
TC0066WULL PFHpS (375-92-8)						
<0.0005 ug/L	<0.0005	106 70.0 - 130.0 ug/L	96.9 % Recovery 70.0 - 140.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFHxA (307-24-4)						
<0.0002 ug/L	<0.0002	120 70.0 - 130.0 ug/L	101 % Recovery 70.0 - 135.0 % Recovery	<0.0002	<0.0002	B 0.0 - 0.0 %
TC0066WULL PFHxDA (67905-19-5)						
<0.001 ug/L	<0.001	104 70.0 - 130.0 ug/L	105 % Recovery 60.0 - 140.0 % Recovery	<0.001	<0.001	B 0.0 - 0.0 %
TC0066WULL PFHxS (355-46-4)						
<0.0001 ug/L	<0.0001	122 70.0 - 130.0 ug/L	111 % Recovery 70.0 - 135.0 % Recovery	<0.0001	<0.0001	B 0.0 - 0.0 %
TC0066WULL PFMBA (863090-89-5)						
<0.0005 ug/L	<0.0005	75.1 70.0 - 130.0 ug/L	66.2 % Recovery 65.0 - 145.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFMPA (377-73-1)						
<0.0005 ug/L	<0.0005	80.1 70.0 - 130.0 ug/L	78.1 % Recovery 60.0 - 140.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFNA (375-95-1)						
<0.0005 ug/L	<0.0005	127 70.0 - 130.0 ug/L	130 % Recovery 70.0 - 140.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
TC0066WULL PFNS (68259-12-1)						
<0.0005 ug/L	<0.0005	126 70.0 - 130.0 ug/L	117 % Recovery 70.0 - 135.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFOA (335-67-1)						
<0.0001 ug/L	<0.0001	114 70.0 - 130.0 ug/L	129 % Recovery 65.0 - 155.0 % Recovery	0.0001	0.0001	B 0.0 - 0.0 %
TC0066WULL PFODA (16517-11-6)						
<0.001 ug/L	<0.001	107 70.0 - 130.0 ug/L	65.7 % Recovery 60.0 - 140.0 % Recovery	<0.001	<0.001	B 0.0 - 0.0 %
TC0066WULL PFOS (1763-23-1)						
<0.0001 ug/L	<0.0001	121 70.0 - 130.0 ug/L	113 % Recovery 70.0 - 140.0 % Recovery	<0.0001	<0.0001	B 0.0 - 0.0 %
TC0066WULL PFOSA (754-91-6)						
<0.0005 ug/L	<0.0005	129 70.0 - 130.0 ug/L	94.6 % Recovery 70.0 - 135.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %
TC0066WULL PFPeA (2706-90-3)						
<0.001 ug/L	<0.001	124 70.0 - 130.0 ug/L	108 % Recovery 70.0 - 135.0 % Recovery	<0.001	<0.001	B 0.0 - 0.0 %
TC0066WULL PFPeS (2706-91-4)						
<0.0005 ug/L	<0.0005	122 70.0 - 130.0 ug/L	94.6 % Recovery 70.0 - 135.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
TC0066WULL PFTeDA (376-06-7)						
<0.001 ug/L	<0.001	125 70.0 - 130.0 ug/L	118 % Recovery 70.0 - 145.0 % Recovery	<0.001	<0.001	B 0.0 - 0.0 %
TC0066WULL PFTrDA (72629-94-8)						
<0.001 ug/L	<0.001	120 70.0 - 130.0 ug/L	127 % Recovery 60.0 - 145.0 % Recovery	<0.001	<0.001	B 0.0 - 0.0 %
TC0066WULL PFUnDA (2058-94-8)						
<0.0005 ug/L	<0.0005	122 70.0 - 130.0 ug/L	115 % Recovery 70.0 - 135.0 % Recovery	<0.0005	<0.0005	B 0.0 - 0.0 %

Extra Note:

B: Duplicate RPD reject criteria is not applicable, results are <10 times LOQ