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Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.



☒ Eurofins | mgt
Sydney Lab

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Sample Receipt Advice

Company name: **CH2M Hill Australia Pty Ltd NSW**
Contact name: **Luke Clements**
Project name: **DEFENCE HOLSWORTHY PFAS**
Project ID: **NSW_0382_PFAS**
COC number: **Not provided**
Turn around time: **5 Day**
Date/Time received: **Sep 26, 2017 5:29 PM**
Eurofins | mgt reference: **565078**

Sample information

- ☒ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ☒ All samples have been received as described on the above COC.
- ☒ COC has been completed correctly.
- ☒ Attempt to chill was evident.
- ☒ Appropriately preserved sample containers have been used.
- ☒ All samples were received in good condition.
- ☒ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ☒ Appropriate sample containers have been used.
- ☒ Sample containers for volatile analysis received with zero headspace.
- ☒ Split sample sent to requested external lab.
- ☒ Some samples have been subcontracted.

N/A Custody Seals intact (if used).

Notes

0382_SW001_170926 & 0382_SW002_170926 Not received - Analysis Cancelled| 0382_QC2SW01_170925 Forwarded to ALS

Contact notes

If you have any questions with respect to these samples please contact:

Andrew Black on Phone : or by e.mail: Andrew.Black@labmark.com.au

Results will be delivered electronically via e.mail to Luke Clements - Luke.Clements@ch2m.com.au.

Company Name: CH2M Hill Australia Pty Ltd NSW
Address: Level 7, 9 Help St
Chatswood
NSW 2067
Project Name: DEFENCE HOLSWORTHY PFAS
Project ID: NSW_0382_PFAS

Order No.: 4501034657
Report #: 565078
Phone: 02 9950 0200
Fax:

Received: Sep 26, 2017 5:29 PM
Due: Oct 4, 2017
Priority: 5 Day
Contact Name: Luke Clements

Eurofins | mgt Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	Major Anions	Major Cations	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA Site # 1254 & 14271						X	X	X	
Sydney Laboratory - NATA Site # 18217									
Brisbane Laboratory - NATA Site # 20794									X
Perth Laboratory - NATA Site # 23736									
External Laboratory									
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	0382_SW003_170926	Sep 26, 2017		Water	S17-Se32059		X	X	X
2	0382_SW004_170926	Sep 26, 2017		Water	S17-Se32060		X	X	X
3	0382_SW005_170926	Sep 26, 2017		Water	S17-Se32061		X	X	X
4	0382_SW006_170925	Sep 26, 2017		Water	S17-Se32062		X	X	X
5	0382_SW007_170925	Sep 26, 2017		Water	S17-Se32063		X	X	X
6	0382_SW008_	Sep 26, 2017		Water	S17-Se32064		X	X	X

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Sample Detail						CANCELLED	Major Anions	Major Cations	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA Site # 1254 & 14271						X	X	X	
Sydney Laboratory - NATA Site # 18217									
Brisbane Laboratory - NATA Site # 20794									X
Perth Laboratory - NATA Site # 23736									
	170925								
7	0382_SW009_170926	Sep 26, 2017		Water	S17-Se32065		X	X	X
8	0382_SW021_170926	Sep 26, 2017		Water	S17-Se32066		X	X	X
9	0382_SW022_170925	Sep 26, 2017		Water	S17-Se32067		X	X	X
10	0382_SW023_170925	Sep 26, 2017		Water	S17-Se32068		X	X	X
11	0382_SW024_170925	Sep 26, 2017		Water	S17-Se32069		X	X	X
12	0382_SW025_170926	Sep 26, 2017		Water	S17-Se32070		X	X	X
13	0382_SW026_	Sep 26, 2017		Water	S17-Se32071		X	X	X

Company Name: CH2M Hill Australia Pty Ltd NSW
Address: Level 7, 9 Help St
Chatswood
NSW 2067
Project Name: DEFENCE HOLSWORTHY PFAS
Project ID: NSW_0382_PFAS

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Contact Name: Luke Clements

Eurofins | mgt Analytical Services Manager : Andrew Black

Sample Detail						CANCELLED	Major Anions	Major Cations	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA Site # 1254 & 14271						X	X	X	
Sydney Laboratory - NATA Site # 18217									
Brisbane Laboratory - NATA Site # 20794									X
Perth Laboratory - NATA Site # 23736									
	170926								
14	0382_SW015_170926	Sep 26, 2017		Water	S17-Se32072		X	X	X
15	0382_QC101_170925	Sep 25, 2017		Water	S17-Se32073		X	X	X
16	0382_QC301_170925	Sep 25, 2017		Water	S17-Se32074		X	X	X
17	0382_QC302_170925	Sep 25, 2017		Water	S17-Se32075		X	X	X
18	0382_SW001_170926	Sep 26, 2017		Water	S17-Se32558	X			
19	0382_SW002_170926	Sep 26, 2017		Water	S17-Se32559	X			
20	0382_QC501_	Sep 25, 2017		Water	S17-Se32570	X			

Company Name: CH2M Hill Australia Pty Ltd NSW
Address: Level 7, 9 Help St
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NSW 2067
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Sample Detail						CANCELLED	Major Anions	Major Cations	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA Site # 1254 & 14271						X	X	X	
Sydney Laboratory - NATA Site # 18217									
Brisbane Laboratory - NATA Site # 20794									X
Perth Laboratory - NATA Site # 23736									
	170925								
21	0382_QC502_170925	Sep 25, 2017		Water	S17-Se32571	X			
Test Counts						4	17	17	17

Certificate of Analysis

CH2M Hill Australia Pty Ltd NSW
Level 7, 9 Help St
Chatswood
NSW 2067



NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
The results of the tests, calibrations and/or
measurements included in this document are traceable
to Australian/national standards.

Attention: Luke Clements

Report 565078-W-V3
Project name DEFENCE HOLSWORTHY PFAS
Project ID NSW_0382_PFAS
Received Date Sep 26, 2017

Client Sample ID			0382_SW003_1 70926	0382_SW004_1 70926	0382_SW005_1 70926	0382_SW006_1 70925
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32059	S17-Se32060	S17-Se32061	S17-Se32062
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
Perfluoropentanoic acid (PFPeA) ^{N11}	0.01	ug/L	0.04	0.02	^{N09} 0.02	^{N09} 0.02
Perfluorohexanoic acid (PFHxA) ^{N11}	0.01	ug/L	^{N09} 0.09	^{N09} 0.03	^{N09} 0.03	^{N09} 0.02
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.01	ug/L	^{N09} 0.02	< 0.01	^{N09} 0.01	< 0.01
Perfluorooctanoic acid (PFOA) ^{N11}	0.01	ug/L	^{N09} 0.05	^{N09} 0.02	^{N09} 0.03	^{N09} 0.02
Perfluorononanoic acid (PFNA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanoic acid (PFDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotridecanoic acid (PFTrDA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C4-PFBA (surr.)	1	%	99	93	96	99
13C5-PFPeA (surr.)	1	%	68	73	74	72
13C5-PFHxA (surr.)	1	%	107	121	118	122
13C4-PFHpA (surr.)	1	%	105	122	114	112
13C8-PFOA (surr.)	1	%	91	109	95	89
13C5-PFNA (surr.)	1	%	88	117	93	84
13C6-PFDA (surr.)	1	%	74	96	80	72
13C2-PFUnDA (surr.)	1	%	46	67	56	53
13C2-PFDoDA (surr.)	1	%	51	74	61	55
13C2-PFTeDA (surr.)	1	%	30	42	34	39
Perfluoroalkane sulfonamides (PFASAs)						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C8-FOSA (surr.)	1	%	52	71	55	49
D3-N-MeFOSA (surr.)	1	%	39	51	49	41

Client Sample ID			0382_SW003_1 70926	0382_SW004_1 70926	0382_SW005_1 70926	0382_SW006_1 70925
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32059	S17-Se32060	S17-Se32061	S17-Se32062
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017
Test/Reference	LOR	Unit				
Perfluoroalkane sulfonamides (PFASAs)						
D5-N-EtFOSA (surr.)	1	%	55	69	71	58
D7-N-MeFOSE (surr.)	1	%	24	44	27	22
D9-N-EtFOSE (surr.)	1	%	41	55	50	43
D5-N-EtFOSAA (surr.)	1	%	39	61	51	52
D3-N-MeFOSAA (surr.)	1	%	42	65	54	51
Perfluoroalkane sulfonic acids & Perfluoroalkane sulfonates (PFSAs)						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.01	ug/L	0.04	< 0.01	0.01	< 0.01
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.01	ug/L	^{N09} 0.04	< 0.01	^{N09} 0.01	< 0.01
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.01	ug/L	^{N09} 0.28	^{N09} 0.09	^{N09} 0.09	^{N09} 0.07
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.01	ug/L	^{N09} 0.24	^{N09} 0.16	^{N09} 0.06	^{N09} 0.10
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C3-PFBS (surr.)	1	%	94	105	97	101
18O2-PFHxS (surr.)	1	%	98	109	100	96
13C8-PFOS (surr.)	1	%	80	105	80	78
n:2 Fluorotelomer sulfonic acids						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C2-4:2 FTSA (surr.)	1	%	169	165	162	160
13C2-6:2 FTSA (surr.)	1	%	131	119	114	127
13C2-8:2 FTSA (surr.)	1	%	78	92	88	79
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	0.52	0.25	0.15	0.17
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	0.29	0.18	0.09	0.12
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	0.57	0.27	0.18	0.19
Sum of WA DER PFAS (n=10)*	0.05	ug/L	0.76	0.32	0.25	0.23
Sum of PFASs (n=28)*	0.1	ug/L	0.8	0.32	0.26	0.23
Ammonia (as N)	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
Chloride	1	mg/L	110	65	220	140
Nitrate (as N)	0.02	mg/L	< 0.02	0.03	0.09	0.03
Sulphate (as S)	5	mg/L	15	< 5	< 5	< 5
Alkalinity						
Bicarbonate Alkalinity (as CaCO3)	20	mg/L	< 20	120	63	110
Carbonate Alkalinity (as CaCO3)	10	mg/L	< 10	< 10	34	< 10
Alkali Metals						
Calcium	0.5	mg/L	9.3	18	27	26
Magnesium	0.5	mg/L	5.8	6.1	14	9.3
Potassium	0.5	mg/L	5.6	5.2	3.5	3.3
Sodium	0.5	mg/L	64	45	120	82

Client Sample ID			0382_SW007_1 70925	0382_SW008_1 70925	0382_SW009_1 70926	0382_SW021_1 70926
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32063	S17-Se32064	S17-Se32065	S17-Se32066
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
Perfluoropentanoic acid (PFPeA) ^{N11}	0.01	ug/L	0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanoic acid (PFHxA) ^{N11}	0.01	ug/L	^{N09} 0.02	0.01	< 0.01	< 0.01
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanoic acid (PFOA) ^{N11}	0.01	ug/L	^{N09} 0.02	< 0.01	< 0.01	< 0.01
Perfluorononanoic acid (PFNA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanoic acid (PFDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotridecanoic acid (PFTriDA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C4-PFBA (surr.)	1	%	93	98	100	87
13C5-PFPeA (surr.)	1	%	85	99	87	80
13C5-PFHxA (surr.)	1	%	123	148	123	123
13C4-PFHpA (surr.)	1	%	117	113	119	116
13C8-PFOA (surr.)	1	%	99	139	105	106
13C5-PFNA (surr.)	1	%	95	120	104	105
13C6-PFDA (surr.)	1	%	77	96	83	80
13C2-PFUnDA (surr.)	1	%	53	63	61	60
13C2-PFDoDA (surr.)	1	%	53	57	66	70
13C2-PFTeDA (surr.)	1	%	30	34	40	44
Perfluoroalkane sulfonamides (PFASAs)						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C8-FOSA (surr.)	1	%	57	80	70	70
D3-N-MeFOSA (surr.)	1	%	42	38	60	56
D5-N-EtFOSA (surr.)	1	%	51	35	68	67
D7-N-MeFOSE (surr.)	1	%	21	23	37	43
D9-N-EtFOSE (surr.)	1	%	43	35	56	56
D5-N-EtFOSAA (surr.)	1	%	43	57	51	53
D3-N-MeFOSAA (surr.)	1	%	47	63	58	59
Perfluoroalkane sulfonic acids & Perfluoroalkane sulfonates (PFSA)						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.01	ug/L	^{N09} 0.14	0.02	^{N09} 0.02	^{N09} 0.02
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.01	ug/L	^{N09} 0.09	^{N09} 0.04	^{N09} 0.03	^{N09} 0.02
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C3-PFBS (surr.)	1	%	103	136	104	109
18O2-PFHxS (surr.)	1	%	101	142	110	117
13C8-PFOS (surr.)	1	%	82	105	90	89

Client Sample ID			0382_SW007_1	0382_SW008_1	0382_SW009_1	0382_SW021_1
Sample Matrix			70925	70925	70926	70926
Eurofins mgt Sample No.			Water	Water	Water	Water
Date Sampled			S17-Se32063	S17-Se32064	S17-Se32065	S17-Se32066
Test/Reference	LOR	Unit	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017
n:2 Fluorotelomer sulfonic acids						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C2-4:2 FTSA (surr.)	1	%	162	INT	139	141
13C2-6:2 FTSA (surr.)	1	%	137	180	91	101
13C2-8:2 FTSA (surr.)	1	%	85	69	65	76
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	0.23	0.06	0.05	0.04
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	0.11	0.04	0.03	0.02
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	0.25	0.06	0.05	0.04
Sum of WA DER PFAS (n=10)*	0.05	ug/L	0.28	0.07	0.05	< 0.05
Sum of PFASs (n=28)*	0.1	ug/L	0.28	< 0.1	< 0.1	< 0.1
Ammonia (as N)	0.01	mg/L	< 0.01	0.07	< 0.01	< 0.01
Chloride	1	mg/L	110	5100	210	12000
Nitrate (as N)	0.02	mg/L	< 0.02	0.12	0.03	0.05
Sulphate (as S)	5	mg/L	< 5	250	31	520
Alkalinity						
Bicarbonate Alkalinity (as CaCO ₃)	20	mg/L	94	90	160	110
Carbonate Alkalinity (as CaCO ₃)	10	mg/L	< 10	< 10	< 10	< 10
Alkali Metals						
Calcium	0.5	mg/L	23	170	37	300
Magnesium	0.5	mg/L	6.6	450	26	900
Potassium	0.5	mg/L	3.7	140	9.6	270
Sodium	0.5	mg/L	72	3900	130	5700

Client Sample ID			0382_SW022_1	0382_SW023_1	0382_SW024_1	0382_SW025_1
Sample Matrix			70925	70925	70925	70926
Eurofins mgt Sample No.			Water	Water	Water	Water
Date Sampled			S17-Se32067	S17-Se32068	S17-Se32069	S17-Se32070
Test/Reference	LOR	Unit	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
Perfluoropentanoic acid (PFPeA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanoic acid (PFHxA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanoic acid (PFOA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorononanoic acid (PFNA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanoic acid (PFDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotridecanoic acid (PFTeDA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01

Client Sample ID			0382_SW022_1 70925	0382_SW023_1 70925	0382_SW024_1 70925	0382_SW025_1 70926
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32067	S17-Se32068	S17-Se32069	S17-Se32070
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
13C4-PFBA (surr.)	1	%	78	87	85	90
13C5-PFPeA (surr.)	1	%	69	74	74	85
13C5-PFHxA (surr.)	1	%	108	119	117	121
13C4-PFHpA (surr.)	1	%	110	114	112	113
13C8-PFOA (surr.)	1	%	108	103	108	105
13C5-PFNA (surr.)	1	%	109	104	114	105
13C6-PFDA (surr.)	1	%	90	85	93	84
13C2-PFUnDA (surr.)	1	%	66	71	68	67
13C2-PFDoDA (surr.)	1	%	64	69	65	64
13C2-PFTeDA (surr.)	1	%	32	37	41	45
Perfluoroalkane sulfonamides (PFASAs)						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C8-FOSA (surr.)	1	%	77	71	79	72
D3-N-MeFOSA (surr.)	1	%	58	63	56	56
D5-N-EtFOSA (surr.)	1	%	64	62	69	72
D7-N-MeFOSE (surr.)	1	%	40	40	35	36
D9-N-EtFOSE (surr.)	1	%	56	61	51	53
D5-N-EtFOSAA (surr.)	1	%	56	63	59	59
D3-N-MeFOSAA (surr.)	1	%	64	63	70	69
Perfluoroalkane sulfonic acids & Perfluoroalkane sulfonates (PFSA)						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	^{N09} 0.02
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C3-PFBS (surr.)	1	%	95	105	106	106
18O2-PFHxS (surr.)	1	%	109	113	92	89
13C8-PFOS (surr.)	1	%	98	93	103	97
n:2 Fluorotelomer sulfonic acids						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C2-4:2 FTSA (surr.)	1	%	134	151	152	158
13C2-6:2 FTSA (surr.)	1	%	96	103	112	86
13C2-8:2 FTSA (surr.)	1	%	86	70	79	80

Client Sample ID			0382_SW022_1 70925	0382_SW023_1 70925	0382_SW024_1 70925	0382_SW025_1 70926
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32067	S17-Se32068	S17-Se32069	S17-Se32070
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 26, 2017	Sep 26, 2017
Test/Reference	LOR	Unit				
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	0.02
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	0.02
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	< 0.01	< 0.01	< 0.01	0.02
Sum of WA DER PFAS (n=10)*	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
Sum of PFASs (n=28)*	0.1	ug/L	< 0.1	< 0.1	< 0.1	< 0.1
Ammonia (as N)	0.01	mg/L	0.02	< 0.01	< 0.01	< 0.01
Chloride	1	mg/L	69	100	110	120
Nitrate (as N)	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
Sulphate (as S)	5	mg/L	< 5	< 5	< 5	5.1
Alkalinity						
Bicarbonate Alkalinity (as CaCO ₃)	20	mg/L	< 20	< 20	< 20	190
Carbonate Alkalinity (as CaCO ₃)	10	mg/L	< 10	< 10	< 10	< 10
Alkali Metals						
Calcium	0.5	mg/L	1.7	1.0	1.4	7.6
Magnesium	0.5	mg/L	5.0	6.9	7.3	7.2
Potassium	0.5	mg/L	1.6	1.4	1.8	3.0
Sodium	0.5	mg/L	34	47	50	120

Client Sample ID			0382_SW026_1 70926	0382_SW015_1 70926	0382_QC101_1 70925	0382_QC301_1 70925
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32071	S17-Se32072	S17-Se32073	S17-Se32074
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 25, 2017	Sep 25, 2017
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs)						
Perfluorobutanoic acid (PFBA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
Perfluoropentanoic acid (PFPeA) ^{N11}	0.01	ug/L	< 0.01	^{N09} 0.02	< 0.01	< 0.01
Perfluorohexanoic acid (PFHxA) ^{N11}	0.01	ug/L	< 0.01	^{N09} 0.02	< 0.01	< 0.01
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.01	ug/L	< 0.01	^{N09} < 0.01	< 0.01	< 0.01
Perfluorooctanoic acid (PFOA) ^{N11}	0.01	ug/L	< 0.01	^{N09} 0.01	< 0.01	< 0.01
Perfluorononanoic acid (PFNA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorodecanoic acid (PFDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotridecanoic acid (PFTeDA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C4-PFBA (surr.)	1	%	85	83	60	84
13C5-PFPeA (surr.)	1	%	82	80	73	91
13C5-PFHxA (surr.)	1	%	121	118	102	108
13C4-PFHpA (surr.)	1	%	119	113	111	113
13C8-PFOA (surr.)	1	%	103	103	109	112
13C5-PFNA (surr.)	1	%	100	106	100	109
13C6-PFDA (surr.)	1	%	73	86	85	105
13C2-PFUnDA (surr.)	1	%	56	61	67	101
13C2-PFDoDA (surr.)	1	%	64	58	60	86
13C2-PFTeDA (surr.)	1	%	47	38	51	80

Client Sample ID			0382_SW026_1 70926	0382_SW015_1 70926	0382_QC101_1 70925	0382_QC301_1 70925
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32071	S17-Se32072	S17-Se32073	S17-Se32074
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 25, 2017	Sep 25, 2017
Test/Reference	LOR	Unit				
Perfluoroalkane sulfonamides (PFASAs)						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
13C8-FOSA (surr.)	1	%	68	72	68	79
D3-N-MeFOSA (surr.)	1	%	46	50	59	92
D5-N-EtFOSA (surr.)	1	%	53	53	54	84
D7-N-MeFOSE (surr.)	1	%	28	29	49	73
D9-N-EtFOSE (surr.)	1	%	46	46	44	69
D5-N-EtFOSAA (surr.)	1	%	53	56	88	144
D3-N-MeFOSAA (surr.)	1	%	61	58	92	137
Perfluoroalkane sulfonic acids & Perfluoroalkane sulfonates (PFASs)						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.01	ug/L	< 0.01	^{N09} < 0.01	< 0.01	< 0.01
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.01	ug/L	^{N09} 0.03	^{N09} 0.08	< 0.01	< 0.01
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.01	ug/L	^{N09} 0.03	^{N09} 0.07	< 0.01	< 0.01
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C3-PFBS (surr.)	1	%	108	107	102	107
18O2-PFHxS (surr.)	1	%	92	86	109	114
13C8-PFOS (surr.)	1	%	89	97	81	94
n:2 Fluorotelomer sulfonic acids						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA) ^{N11}	0.05	ug/L	< 0.05	< 0.05	< 0.05	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N15}	0.01	ug/L	< 0.01	< 0.01	< 0.01	< 0.01
13C2-4:2 FTSA (surr.)	1	%	158	151	137	124
13C2-6:2 FTSA (surr.)	1	%	102	127	130	133
13C2-8:2 FTSA (surr.)	1	%	71	78	104	129
PFASs Summations						
Sum (PFHxS + PFOS)*	0.01	ug/L	0.06	0.15	< 0.01	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	0.03	0.08	< 0.01	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	0.06	0.16	< 0.01	< 0.01
Sum of WA DER PFAS (n=10)*	0.05	ug/L	0.06	0.2	< 0.05	< 0.05
Sum of PFASs (n=28)*	0.1	ug/L	< 0.1	0.2	< 0.1	< 0.1
Ammonia (as N)	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
Chloride	1	mg/L	10000	200	110	< 1
Nitrate (as N)	0.02	mg/L	0.05	< 0.02	< 0.02	< 0.02
Sulphate (as S)	5	mg/L	450	7.1	< 5	< 5

Client Sample ID			0382_SW026_1 70926	0382_SW015_1 70926	0382_QC101_1 70925	0382_QC301_1 70925
Sample Matrix			Water	Water	Water	Water
Eurofins mgt Sample No.			S17-Se32071	S17-Se32072	S17-Se32073	S17-Se32074
Date Sampled			Sep 26, 2017	Sep 26, 2017	Sep 25, 2017	Sep 25, 2017
Test/Reference	LOR	Unit				
Alkalinity						
Bicarbonate Alkalinity (as CaCO ₃)	20	mg/L	110	100	< 20	< 20
Carbonate Alkalinity (as CaCO ₃)	10	mg/L	< 10	< 10	< 10	< 10
Alkali Metals						
Calcium	0.5	mg/L	290	8.8	2.5	< 0.5
Magnesium	0.5	mg/L	890	14	6.9	< 0.5
Potassium	0.5	mg/L	260	8.6	1.8	< 0.5
Sodium	0.5	mg/L	4200	120	50	< 0.5

Client Sample ID			0382_QC302_1 70925
Sample Matrix			Water
Eurofins mgt Sample No.			S17-Se32075
Date Sampled			Sep 25, 2017
Test/Reference	LOR	Unit	
Perfluoroalkyl carboxylic acids (PFCAs)			
Perfluorobutanoic acid (PFBA) ^{N11}	0.05	ug/L	< 0.05
Perfluoropentanoic acid (PFPeA) ^{N11}	0.01	ug/L	< 0.01
Perfluorohexanoic acid (PFHxA) ^{N11}	0.01	ug/L	< 0.01
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.01	ug/L	< 0.01
Perfluorooctanoic acid (PFOA) ^{N11}	0.01	ug/L	< 0.01
Perfluorononanoic acid (PFNA) ^{N11}	0.01	ug/L	< 0.01
Perfluorodecanoic acid (PFDA) ^{N11}	0.01	ug/L	< 0.01
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.01	ug/L	< 0.01
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.01	ug/L	< 0.01
Perfluorotridecanoic acid (PFTrDA) ^{N15}	0.01	ug/L	< 0.01
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.01	ug/L	< 0.01
13C4-PFBA (surr.)	1	%	89
13C5-PFPeA (surr.)	1	%	97
13C5-PFHxA (surr.)	1	%	119
13C4-PFHpA (surr.)	1	%	124
13C8-PFOA (surr.)	1	%	125
13C5-PFNA (surr.)	1	%	119
13C6-PFDA (surr.)	1	%	105
13C2-PFUnDA (surr.)	1	%	93
13C2-PFDoDA (surr.)	1	%	84
13C2-PFTeDA (surr.)	1	%	85
Perfluoroalkane sulfonamides (PFASAs)			
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.05	ug/L	< 0.05
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.05	ug/L	< 0.05
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.05	ug/L	< 0.05
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE) ^{N11}	0.05	ug/L	< 0.05
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol (N-EtFOSE) ^{N11}	0.05	ug/L	< 0.05
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.05	ug/L	< 0.05
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.05	ug/L	< 0.05

Client Sample ID			0382_QC302_1
Sample Matrix			Water
Eurofins mgt Sample No.			S17-Se32075
Date Sampled			Sep 25, 2017
Test/Reference	LOR	Unit	
Perfluoroalkane sulfonamides (PFASAs)			
13C8-FOSA (surr.)	1	%	87
D3-N-MeFOSA (surr.)	1	%	104
D5-N-EtFOSA (surr.)	1	%	104
D7-N-MeFOSE (surr.)	1	%	80
D9-N-EtFOSE (surr.)	1	%	72
D5-N-EtFOSAA (surr.)	1	%	137
D3-N-MeFOSAA (surr.)	1	%	134
Perfluoroalkane sulfonic acids & Perfluoroalkane sulfonates (PFSAAs)			
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.01	ug/L	< 0.01
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.01	ug/L	< 0.01
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.01	ug/L	< 0.01
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.01	ug/L	< 0.01
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.01	ug/L	< 0.01
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.01	ug/L	< 0.01
13C3-PFBS (surr.)	1	%	112
18O2-PFHxS (surr.)	1	%	115
13C8-PFOS (surr.)	1	%	97
n:2 Fluorotelomer sulfonic acids			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.01	ug/L	< 0.01
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA) ^{N11}	0.05	ug/L	< 0.05
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.01	ug/L	< 0.01
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N15}	0.01	ug/L	< 0.01
13C2-4:2 FTSA (surr.)	1	%	138
13C2-6:2 FTSA (surr.)	1	%	145
13C2-8:2 FTSA (surr.)	1	%	136
PFASs Summations			
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01
Sum of US EPA PFAS (PFOS + PFOA)*	0.01	ug/L	< 0.01
Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	0.01	ug/L	< 0.01
Sum of WA DER PFAS (n=10)*	0.05	ug/L	< 0.05
Sum of PFASs (n=28)*	0.1	ug/L	< 0.1
Ammonia (as N)	0.01	mg/L	< 0.01
Chloride	1	mg/L	< 1
Nitrate (as N)	0.02	mg/L	< 0.02
Sulphate (as S)	5	mg/L	< 5
Alkalinity			
Bicarbonate Alkalinity (as CaCO ₃)	20	mg/L	< 20
Carbonate Alkalinity (as CaCO ₃)	10	mg/L	< 10
Alkali Metals			
Calcium	0.5	mg/L	< 0.5
Magnesium	0.5	mg/L	< 0.5
Potassium	0.5	mg/L	< 0.5
Sodium	0.5	mg/L	< 0.5

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported.
A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results (regarding both quality and NATA accreditation).

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Brisbane	Sep 29, 2017	14 Day
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Brisbane	Sep 29, 2017	14 Day
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Brisbane	Sep 29, 2017	14 Day
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Brisbane	Sep 29, 2017	14 Day
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Major Cations			
Ammonia (as N)	Melbourne	Oct 02, 2017	28 Day
- Method: APHA 4500-NH3 Ammonia Nitrogen by FIA			
Alkali Metals	Melbourne	Sep 28, 2017	180 Day
- Method: USEPA 6010 Alkali Metals			
Major Anions			
Chloride	Melbourne	Sep 28, 2017	28 Day
- Method: LTM-INO-4090 Chloride by Discrete Analyser			
Nitrate (as N)	Melbourne	Oct 02, 2017	28 Day
- Method: APHA 4500-NO3 Nitrate Nitrogen by FIA			
Sulphate (as S)	Melbourne	Sep 28, 2017	28 Day
- Method: LTM-INO-4110 Sulfate by Discrete Analyser			
Alkalinity (speciated)	Melbourne	Sep 28, 2017	14 Day
- Method: APHA 2320 Alkalinity by Titration			