

# Appendix B

Result Tables



PFAS In Groundwater																																			
PFBA	PFPeA	PFHxA	PFHpA	PFOA	PFNA	PFDA	PFUnDA	PFDoDA	PFTDA	PFTeDA	di-PFHs (1) <sup>2</sup>	mono-PFHs (1) <sup>2</sup>	L-PFHs (1) <sup>3</sup>	Total PFHs (3) <sup>4</sup>	di-PFOS (5) <sup>5</sup>	mono-PFOS (5) <sup>5</sup>	L-PFOS (5) <sup>6</sup>	Total PFOS (7) <sup>4</sup>	Sum PFHs+PFOS (1) <sup>7</sup>	PFHs	PFBS	PFMS	PFHS	PFNS	PFDS	NEFOSAA	NMFOSAA	NEFOSE-M	NMFOSE-M	NEFOSA-M	NMFOSA-M	PFOSA	4:2 FTS	6:2 FTS	8:2 FTS

Sample Name	Location	Monitoring Zone	Lab Report Number	Sample Date	PFBA	PFPeA	PFHxA	PFHpA	PFOA	PFNA	PFDA	PFUnDA	PFDoDA	PFTDA	PFTeDA	di-PFHs (1) <sup>2</sup>	mono-PFHs (1) <sup>2</sup>	L-PFHs (1) <sup>3</sup>	Total PFHs (3) <sup>4</sup>	di-PFOS (5) <sup>5</sup>	mono-PFOS (5) <sup>5</sup>	L-PFOS (5) <sup>6</sup>	Total PFOS (7) <sup>4</sup>	Sum PFHs+PFOS (1) <sup>7</sup>	PFHs	PFBS	PFMS	PFHS	PFNS	PFDS	NEFOSAA	NMFOSAA	NEFOSE-M	NMFOSE-M	NEFOSA-M	NMFOSA-M	PFOSA	4:2 FTS	6:2 FTS	8:2 FTS					
WBN_ScoutDen_GW8_4_310118	WBN_ScoutDen_GW8	On-site	1026792	31/01/2018	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
WBN_ScoutDen_GW8_5_270218	WBN_ScoutDen_GW8	On-site	1059865	27/02/2018	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN_WTP_GW4_3_181217	WBN_WTP_GW4	On-site	990657	18/12/2017	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
WBN_WTP_GW4_4_310118	WBN_WTP_GW4	On-site	1026792	31/01/2018	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN_WTP_GW4_5_270218	WBN_WTP_GW4	On-site	1059865	27/02/2018	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN_WTP_GWS_3_181217	WBN_WTP_GWS	On-site	990657	18/12/2017	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN_WTP_GWS_4_310118	WBN_WTP_GWS	On-site	1026792	31/01/2018	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
WBN_WTP_GWS_5_270218	WBN_WTP_GWS	On-site	1059865	27/02/2018	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	

Statistical Summary	PFBA	PFPeA	PFHxA	PFHpA	PFOA	PFNA	PFDA	PFUnDA	PFDoDA	PFTDA	PFTeDA	di-PFHs (1) <sup>2</sup>	mono-PFHs (1) <sup>2</sup>	L-PFHs (1) <sup>3</sup>	Total PFHs (3) <sup>4</sup>	di-PFOS (5) <sup>5</sup>	mono-PFOS (5) <sup>5</sup>	L-PFOS (5) <sup>6</sup>	Total PFOS (7) <sup>4</sup>	Sum PFHs+PFOS (1) <sup>7</sup>	PFHs	PFBS	PFMS	PFHS	PFNS	PFDS	NEFOSAA	NMFOSAA	NEFOSE-M	NMFOSE-M	NEFOSA-M	NMFOSA-M	PFOSA	4:2 FTS	6:2 FTS	8:2 FTS			
Number of Results	95	100	100	100	100	100	100	92	59	55	45	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Number of Detects	39	52	52	48	46	32	5	2	0	0	0	2	45	67	67	25	49	53	53	68	30	42	42	26	1	1	0	0	0	0	0	0	0	4	1	35	23		
Minimum Concentration	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Maximum Concentration	0.29	1.8	1.1	0.48	0.13	0.026	0.0067	<0.005	<0.1	<0.1	<0.1	0.0072	0.35	1.5	1.9	0.014	0.18	0.58	0.76	2.4	0.18	0.53	0.43	0.047	<0.005	<0.025	<0.005	<0.005	<0.025	<0.025	<0.025	<0.025	0.0076	<0.005	0.99	0.19			
Geometric Average <sup>8</sup>	0.018	0.038	0.028	0.016	0.0097	0.003	0.0026	NC	NC	NC	NC	0.0086	0.017	0.019	0.003	0.013	0.019	0.03	0.032	0.004	0.0082	0.0078	0.0031	NC	NC	NC	NC	NC	NC	NC	NC	0.003	NC	0.043	0.0064				
Median Concentration <sup>8</sup>	0.019	0.0515	0.0345	0.019	0.01	0.0026	0.0017	NC	NC	NC	NC	0.0092	0.024	0.028	0.003	0.014	0.022	0.039	0.054	0.003	0.0073	0.0066	0.0027	NC	NC	NC	NC	NC	NC	NC	NC	0.003	NC	0.055	0.004				

- Notes:
- All values in µg/L.
  - Concentration determined using a branched isomer standard (399-80 transition)
  - Concentration determined using a linear isomer standard (399-80 transition)
  - Total PFOS, PFHs are calculated by summing monoethyl, dimethyl and linear isomers. Where an isomer is below the detection limit it is not added to the summation. This is following the method in the reported lab results.
  - Concentration determined using a branched isomer standard (499-80 transition)
  - Concentration determined using a linear isomer standard (499-80 transition)
  - Summations are made by adding compounds Total PFOS (7), Total PFHs (3) together. Where one compound is below detection, it is not included in the summation.
  - Only samples above the LDR have been included in calculation. Where there were less than three samples above the LDR, the geometric average and median concentration were not calculated.

<0.001	Less than the LDR
-	Value unavailable
NC	Not calculated













						PFAS in Groundwater																																															
Sample Name	Location	Lab Report Number	Sample Date	Monitoring Round		PFBA	PFPeA	PFHxA	PFHpA	PFDA	PFNA	PFDA	PFUnDA	PFDoDA	PFTrDA	PFTeDA	di-PFAS (1) <sup>4</sup>	mono-PFAS (1) <sup>4</sup>	L-PFAS (1) <sup>3</sup>	Total PFAS (3) <sup>6</sup>	di-PFOS (5) <sup>7</sup>	mono-PFOS (5) <sup>7</sup>	L-PFOS (5) <sup>8</sup>	Total PFOS (7) <sup>3</sup>	Sum PFAS+PFOS (1) <sup>9</sup>	PFPS	PFBS	PFPS	PFPS	PFNS	PFDS	NEFOSAA	NMeFOSAA	NEFOSE-M	NMeFOSE-M	NEFOSAM	NMeFOSAM	PFOSA	A2 FTS	B2 FTS	B2 FTS												
Limit of Reporting						0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001					
Interim Guidance Level for Drinking Water, MoH 2017 <sup>2</sup>						0.56																			0.07																												
Recreational Water Quality Guideline <sup>3</sup>						10																			2																												
WBN ADJ GW57_1_141217	WBN ADJ GW57	988841	14/12/2017	Stage A	<0.005	0.0072	0.0057	0.0037	0.0023	<0.001	<0.001	<0.001	-	-	-	-	<0.001	0.0024	0.013	0.015	<0.001	0.0055	0.014	0.02	0.035	<0.001	0.0023	0.0018	<0.001	-	-	<0.005	<0.005	-	-	-	-	-	-	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005					
WBN ADJ GW58_1_141217	WBN ADJ GW58	989022	14/12/2017	Stage A	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
WBN ADJ GW58_2_130218	WBN ADJ GW58	1033738	13/02/2018	Stage B	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.025	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW58_3_170518	WBN ADJ GW58	1143271	17/05/2018	Stage C	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.025	<0.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW59_1_141217	WBN ADJ GW59	989022	14/12/2017	Stage A	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW59_2_130218	WBN ADJ GW59	1033738	13/02/2018	Stage B	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.025	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW6_1_071217	WBN ADJ GW6	969720	7/12/2017	Stage A	<0.005	0.0059	0.005	0.0041	0.0034	<0.001	<0.001	-	-	-	-	-	-	<0.001	0.0044	0.022	0.026	<0.001	0.0087	0.03	0.039	0.065	0.0011	0.0029	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW6_2_130218	WBN ADJ GW6	1035934	13/02/2018	Stage B	<0.005	0.0035	0.003	0.0026	0.0018	<0.001	-	-	-	-	-	-	-	<0.001	0.0017	0.009	0.011	<0.001	0.0039	0.015	0.019	0.03	<0.001	0.0014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW6_3_170518	WBN ADJ GW6	1143547	17/05/2018	Stage C	<0.005	0.0036	0.003	0.0026	0.0017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.1	<0.001	<0.001	<0.001	0.002	0.012	0.014	<0.001	0.0046	0.013	0.018	0.032	<0.001	0.0019	0.0016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW6_4_110918	WBN ADJ GW6	1244085	11/09/2018	Stage D	<0.005	0.0097	0.0085	0.0057	0.0036	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.005	<0.001	<0.001	0.0037	0.021	0.025	<0.001	0.01	0.023	0.033	0.058	0.0013	0.0039	0.0038	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW60_1_151217	WBN ADJ GW60	989010	15/12/2017	Stage A	<0.005	0.0017	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	<0.001	0.0023	0.0023	<0.001	<0.001	0.0017	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW60_2_130218	WBN ADJ GW60	1035292	13/02/2018	Stage B	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW60_3_140518	WBN ADJ GW60	1134722	14/05/2018	Stage C	<0.01	0.0014	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.025	-	-	-	<0.001	<0.001	0.0015	0.0015	<0.001	<0.001	0.0016	0.0016	0.0031	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW60_4_130918	WBN ADJ GW60	1263195	13/09/2018	Stage D	<0.01	0.0031	0.0025	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	-	-	<0.001	0.0014	0.0069	0.0083	<0.001	0.002	0.0034	0.0056	0.014	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
WBN ADJ GW61_1_151217	WBN ADJ GW61	988853	15/12/2017	Stage A	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
WBN ADJ GW61_2_270218	WBN ADJ GW61	1063044	27/02/2018	Stage B	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
WBN ADJ GW61_3_140518	WBN ADJ GW61	1135722	14/05/2018																																																		

















Table B-8: Off-site Per- and Poly-Fluoroalkyl Substances (PFAS) Sampling Results <sup>1</sup>

	PFAS in Freshwater Fish and Crustaceans																																			
	PFBA	PFPA	PFNA	PFDA	PFUnDA	PFDDA	PFTrDA	PFTrDA	di-PFHs (1)	mono-PFHs (1)	L-PFHs (1)	Total PFHs (3) <sup>6</sup>	di-PFOS (5)	mono-PFOS (5)	L-PFOS (5)	Total PFOS (7) <sup>6</sup>	Sum PFHs+PFOS (1) <sup>7</sup>	PFPS	PFBS	PFPS	PFHPS	PFNS	PFDS	NEFOSAA	NMFOFAA	NEFOSE-M	NMFOSE-M	NEFOFA-M	NMFOFA-M	PFOSA	4:2 FTS	6:2 FTS	8:2 FTS			
Human Health Trigger Points for Investigation - Crustaceans and Molluscs <sup>2,3</sup>	-	-	-	-	-	520	-	-	-	-	-	-	-	-	-	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Human Health Trigger Points for Investigation - Finfish (all) <sup>2,4</sup>	-	-	-	-	-	41	-	-	-	-	-	-	-	-	-	5.2	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Human Health Trigger Points for Investigation - Fish Liver <sup>2,5</sup>	-	-	-	-	-	2240	-	-	-	-	-	-	-	-	-	280	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sample Name	Location	Sample Date	Matrix Description	PFBA	PFPA	PFNA	PFDA	PFUnDA	PFDDA	PFTrDA	PFTrDA	di-PFHs (1)	mono-PFHs (1)	L-PFHs (1)	Total PFHs (3) <sup>6</sup>	di-PFOS (5)	mono-PFOS (5)	L-PFOS (5)	Total PFOS (7) <sup>6</sup>	Sum PFHs+PFOS (1) <sup>7</sup>	PFPS	PFBS	PFPS	PFHPS	PFNS	PFDS	NEFOSAA	NMFOFAA	NEFOSE-M	NMFOSE-M	NEFOFA-M	NMFOFA-M	PFOSA	4:2 FTS	6:2 FTS	8:2 FTS								
WBN_ADJ_FS01.1a_281118	WBN_ADJ_FS01	28/11/2018	Longfin Eel Flesh	<0.25	<0.25	<0.25	<0.25	0.45	0.47	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	2.6	2.6	<0.25	1.7	91	93	96	<0.25	<0.25	<0.25	0.8	0.38	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25						
WBN_ADJ_FS01.1b_281118	WBN_ADJ_FS01	28/11/2018	Longfin Eel Liver	<1	<1	<1	<1	3.4	2.4	<1	<1	<1	<1	<1	<1	1.4	2.7	28	<1	14	600	610	640	<1	<1	1	5.5	2.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1					
WBN_ADJ_FS01.2_281118 <sup>8</sup>	WBN_ADJ_FS01	28/11/2018	Bully Flesh	<0.25	<0.25	<0.25	<0.25	0.31	0.83	<0.25	0.39	<0.25	0.31	<0.25	<0.25	0.53	0.53	<0.25	2.4	180	180	180	<0.25	<0.25	<0.25	0.73	0.52	<0.25	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	-	-	-					
WBN_ADJ_FS01.3_281118 <sup>8</sup>	WBN_ADJ_FS01	28/11/2018	Inanga Flesh	<0.25	<0.25	<0.25	<0.25	1.2	1.3	0.76	<0.25	<0.25	<0.25	<0.25	<0.25	7.2	7.2	<0.25	5.9	320	330	340	<0.25	<0.25	<0.25	2.6	0.99	<0.25	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25				
WBN_ADJ_FS02.1_281118	WBN_ADJ_FS02	28/11/2018	Longfin Flesh	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.37	<0.25	0.38	<0.25	<0.25	0.33	0.33	<0.25	0.6	18	19	19	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25				
WBN_ADJ_FS02.4a_281118	WBN_ADJ_FS02	28/11/2018	Brown Trout Flesh	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.28	<0.25	0.4	<0.25	<0.25	<0.25	<0.25	0.26	13	13	13	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25				
WBN_ADJ_FS02.4b_281118	WBN_ADJ_FS02	28/11/2018	Brown Trout Liver	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	2.1	<1	1.2	1.2	<1	2.7	140	140	140	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1				
WBN_ADJ_FS02.4c_281118 <sup>8</sup>	WBN_ADJ_FS02	28/11/2018	Brown Trout Eggs	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.31	<0.25	1.4	0.66	1.3	<0.25	<0.25	0.79	0.79	<0.25	1.5	78	80	81	<0.25	<0.25	<0.25	0.39	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25			
WBN_ADJ_FS02.5_281118	WBN_ADJ_FS02	28/11/2018	Freshwater Crayfish	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.55	<0.25	<0.25	<0.25	<0.25	<0.25	1.1	1.1	1.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25				
WBN_ADJ_FS03.1_291118	WBN_ADJ_FS03	29/11/2018	Shortfin Eel Flesh	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.31	0.31	0.31	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25				
WBN_ADJ_FS03.2_291118	WBN_ADJ_FS03	29/11/2018	Bully Flesh	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25				
WBN_ADJ_FS04.1_291118	WBN_ADJ_FS04	29/11/2018	Longfin Eel Flesh	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25			
WBN_ADJ_FS04.2_291118 <sup>8</sup>	WBN_ADJ_FS04	29/11/2018	Bully Flesh	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
WBN_ADJ_FS04.3_291118	WBN_ADJ_FS04	29/11/2018	Inanga Flesh	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
WBN_ADJ_FS04.4_291118	WBN_ADJ_FS04	29/11/2018	Freshwater Crayfish	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25

Statistical Summary	PFBA	PFPA	PFNA	PFDA	PFUnDA	PFDDA	PFTrDA	PFTrDA	di-PFHs (1)	mono-PFHs (1)	L-PFHs (1)	Total PFHs (3) <sup>6</sup>	di-PFOS (5)	mono-PFOS (5)	L-PFOS (5)	Total PFOS (7) <sup>6</sup>	Sum PFHs+PFOS (1) <sup>7</sup>	PFPS	PFBS	PFPS	PFHPS	PFNS	PFDS	NEFOSAA	NMFOFAA	NEFOSE-M	NMFOSE-M	NEFOFA-M	NMFOFA-M	PFOSA	4:2 FTS	6:2 FTS	8:2 FTS							
Number of Results	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	12	12	15	15	15	15	15	15	10	10	10					
Number of Detects	0	0	0	0	3	4	3	0	5	1	6	0	1	7	7	0	8	10	10	10	0	0	1	5	4	0	0	0	0	0	0	0	0	0	0	0				
Number of Guideline	NA	NA	NA	NA	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Minimum Concentration	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Maximum Concentration	<1	<1	<1	<1	3.4	2.4	<1	<1	2	<1	2.1	<1	1.4	27	28	<1	14	600	610	640	<1	<1	1	5.5	2.2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Geometric Average <sup>9</sup>	NC	NC	NC	NC	1.2	0.82	0.58	NC	0.65	NC	0.64	NC	NC	1.9	1.9	NC	2	35	35	36	NC	NC	NC	1.3	0.81	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		
Median concentration <sup>9</sup>	NC	NC	NC	NC	1.2	0.89	0.76	NC	0.39	NC	0.48	NC	NC	1.2	1.2	NC	2.05	84.5	86.5	88.5	NC	NC	NC	0.8	0.76	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC		

- Notes:
- All values in µg/kg.
  - Australian Government Department of Health - Perfluorinated chemicals in food accessed 16/07/2018 (<http://www.health.gov.au/internet/main/publishing.nsf/content/2200FE086D480353CA2580C900817CDDC/DF/Consolidated-report-perfluorinated-chemicals-food.pdf>).
  - Trigger values are only relevant to the Freshwater Crayfish Samples.
  - Trigger values are only relevant to the Freshwater Finfish Flesh Samples.
  - Trigger values are only relevant to the Fish Liver Samples.
  - Total PFOS, PFHs are calculated by summing monoethyl, dimethyl and linear isomers. Where one isomer is below the detection limit it is not added to the summation. This is following the method in the reported lab results.
  - Summations are made by adding compounds Total PFOS (7), Total PFHs (3) together. Where one compound is below detection, it is not included in the summation.
  - Composite sample of three or more fish.
  - Only samples above the Limit of Reporting (LOR) are included in the calculation. Geometric average and median are only calculated where there are three or more samples above the LOR.

66	Exceeds Trigger point for further investigation for Crustaceans and Molluscs
5.2	Exceeds Trigger point for further investigation for Freshwater Finfish (Flesh)
680	Exceeds Trigger point for further investigation for Fish Liver
<0.25	Less than the limit of reporting (LOR)
NA	Not applicable
NC	Not calculated



Table B-10: On-site Per- and Poly-Fluoroalkyl Substances (PFAS) Sampling Results - Tradewaste Sludge <sup>1,2</sup>

Sample Name	Lab Report Number	Sample Date	PFAS in Tradewaste Sludge																																				
			PFBA	PFPeA	PFHxA	PFHpA	PFDA	PFNA	PFEDA	PFUnDA	PFDDA	PFTDA	di-PFHs (1)	mono-PFHs (1)	L-PFHs (1)	Total PFHs (3) <sup>3</sup>	di-PFOS (5)	mono-PFOS (5)	L-PFOS (5)	Total PFOS (7) <sup>3</sup>	Sum PFHs+PFOS (1) <sup>4</sup>	PFPS	PFBS	PFPS	PFHpS	PFNS	PFDS	NEFOSAA	NMeFOSAA	NEFOSE-M	NMeFOSE-M	NEFOSA-M	NMeFOSA-M	PFOSA	4:2 FTS	6:2 FTS	8:2 FTS		
WBN Tradewaste S1_270218	1072990	27/02/2018	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.005	<0.025	NR	<0.001	<0.001	0.002	0.002	0.0018	0.035	0.11	0.15	0.15	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0067	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	0.0011	<0.001	0.004	0.0043	
WBN Tradewaste S2_270218	1072990	27/02/2018	<0.001	<0.001	0.0012	<0.001	0.0022	<0.001	<0.001	<0.005	<0.025	NR	<0.001	<0.001	0.0012	0.0012	<0.001	0.0099	0.047	0.057	0.058	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0046	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.001	0.017	0.03
<b>Statistical Summary</b>																																							
Number of Results			2	2	2	2	2	2	2	2	2	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Number of Detects			0	0	1	0	2	0	0	0	0	0	0	0	2	2	1	2	2	2	2	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	2	2	

1. All values in mg/kg (dry weight).  
 2. There are no current relevant New Zealand Guidelines for PFAS in Tradewaste sludge.  
 3. Total PFOS, PFHs are calculated by summing monoethyl, dimethyl and linear isomers. Where an isomer is below the detection limit it is not added to the summation. This is following the method in the reported lab results.  
 4. Summations are made by adding compounds Total PFOS (7), Total PFHs (3) together. Where one compound is below detection, it is not included in the summation.

<0.001	Below the limit of reporting
NR	Non reportable

## Appendix C

Quality Assurance / Quality Control

## Appendix C: Quality Assurance / Quality Control

An internal quality assurance/quality control (QA/QC) function ('QAChecker') in the environmental database software ESdat was used to calculate relative percent differences (RPDs) between sample duplicates and to check for detections of PFAS in blanks. The QAChecker results for the samples collected from Woodbourne, both on-site and off-site are attached below.

The QAChecker results for each external sampling campaign were discussed in the relevant summary reports (PDP, 2018a; PDP, 2018b; PDP, 2018c; PDP, 2018d; PDP, 2019) with the exception of one detection in a rinsate blank collected during Stage D. This rinsate sample was the only rinsate sample collected off-site to have PFOS and PFHxS above the LOR. As a large number of QA samples have been collected during the entire off-site investigation, this detection is considered to have no effect on the validity of the remaining results.

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Detects in Blanks

SDG	Lab_Report_Number	Matrix_Type	SampleCode	Field_ID	Sampled_Date-Time	Sample_Type	Compound	Prefix	Result	Extraction_Date
A02684802	1035283	Water	A02684802_WBN_ADJ_GWAE_2_140218	WBN_ADJ_GWAE_2_140218	14/02/2018	Rinsate	6:2 FTS		0.0015 µg/L	20/02/2018
A02684802	1036365	Water	A02684802_WBN_ADJ_GWAF_1_140218	WBN_ADJ_GWAF_1_140218	14/02/2018	Rinsate	6:2 FTS		0.013 µg/L	21/02/2018
A02684802	1041212	Water	A02684802_WBN_ADJ_GWAQ_1_150218	WBN_ADJ_GWAQ_1_150218	15/02/2018	Rinsate	6:2 FTS		0.0077 µg/L	26/02/2018
AO2744105 WBN	991933	Water	AO2744105_WBN_WBN_ADJ_GWBA_1_181217	WBN_ADJ_GWBA_1_181217	18/12/2017	Trip_B	PFBA		5.7 ng/L	27/12/2017
AO2744105 WBN	988852	Water	AO2744105_WBN_WBN_ADJ_GWBB_1_181217	WBN_ADJ_GWBB_1_181217	18/12/2017	Rinsate	6:2 FTS		4.8 ng/L	27/12/2017
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	PFBS		0.0011 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	PFPeS		0.0016 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	mono-PFHxS (1)		0.0019 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	L-PFHxS (1)		0.011 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	Total PFHxS (3)		0.013 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	mono-PFOS (5)		0.0028 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	L-PFOS (5)		0.0062 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	Total PFOS (7)		0.009 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	Sum PFHxS+PFOS (1)		0.022 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	PFPeA		0.0018 µg/L	27/06/2018
A02684802	1166946	Water	A02684802_WBN_ADJ_GWDAD_1_210618	WBN_ADJ_GWDAD_1_210618	21/06/2018	Field_B	PFHxA		0.0021 µg/L	27/06/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	PFBS		0.0011 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	PFPeS		0.001 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	mono-PFHxS (1)		0.0011 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	L-PFHxS (1)		0.0056 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	Total PFHxS (3)		0.0067 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	mono-PFOS (5)		0.0028 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	L-PFOS (5)		0.0048 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	Total PFOS (7)		0.0076 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	Sum PFHxS+PFOS (1)		0.014 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	PFHxA		0.0028 µg/L	26/09/2018
A02684802	1256420	Water	1256420_18-232649-8	WBN_ADJ_GWGCC_4_130918	13/09/2018	Rinsate	PFHpA		0.0016 µg/L	26/09/2018
AO2744105 WBN	988924	Water	AO2744105_WBN_WBN_ADJ_GWL_1_081217	WBN_ADJ_GWL_1_081217	8/12/2017	Rinsate	6:2 FTS		5.3 ng/L	13/12/2017
A02684802	1035194	Water	A02684802_WBN_ADJ_GWK_2_130218	WBN_ADJ_GWK_2_130218	13/02/2018	Rinsate	6:2 FTS		0.012 µg/L	19/02/2018
AO02744105 (WBN)	997925	Water	AO02744105 (WBN)_WBN_ADJ_GWM_1_081217	WBN_ADJ_GWM_1_081217	8/12/2017	Rinsate	6:2 FTS		6.6 ng/L	13/12/2017
AO2744105 WBN	969551	Water	AO2744105_WBN_WBN_ADJ_GWS_1_081217	WBN_ADJ_GWS_1_081217	8/12/2017	Rinsate	6:2 FTS		10 ng/L	13/12/2017
A02684802	1036737	Water	A02684802_WBN_ADJ_GWX_2_140218	WBN_ADJ_GWX_2_140218	14/02/2018	Rinsate	6:2 FTS		0.002 µg/L	21/02/2018
AsureQuality, 21 Dec 2017	996782	water	WBN_MW_MW2B_Rinsate_3_201217	WBN_monitoringwell_MW2B_Rinsate_3_201217	20/12/2017	Rinsate	PFPeA		2.3 ng/L	10/01/2018
AsureQuality, 21 Dec 2017	996782	water	WBN_MW_MW2B_Rinsate_3_201217	WBN_monitoringwell_MW2B_Rinsate_3_201217	20/12/2017	Rinsate	PFHxA		2 ng/L	10/01/2018
AsureQuality, 03 Mar 2018	1066668	water	WBN_MW_GWG_1_010318	WBN_MW_GWG_1_010318	28/02/2018	Trip_B	Total PFHxS (3)		0.003 µg/L	21/03/2018
AsureQuality, 03 Mar 2018	1066668	water	WBN_MW_GWG_1_010318	WBN_MW_GWG_1_010318	28/02/2018	Trip_B	Sum PFHxS+PFOS (1)		0.003 µg/L	21/03/2018
AsureQuality, 03 Mar 2018	1066668	water	WBN_MW_GWG_1_010318	WBN_MW_GWG_1_010318	28/02/2018	Trip_B	L-PFHxS (1)		0.003 µg/L	21/03/2018

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Field Duplicates with high RPDs

SDG	Matrix_Type	Dupe_Field_ID	Parent_Field_ID	Sampled_Date-Time	Method_Name	Compound	Parent_Result	Dupe_Result	Result_Unit	EQL	RPD
A02684802	Water	WBN_ADJ_GWGCH_4_140918	WBN_ADJ_GW90_3_140918	14/09/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	Sum PFHxS+PFOS (1)	<0.001	0.0024	µg/L	0.001 µg/L	82
501380	water	WBN_MW_GWF_2_280318	WBN_MW_P9_2_280318	28/03/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	PFPeS	0.0012	0.0059	µg/L	0.001 µg/L	132
501380	water	WBN_MW_GWF_2_280318	WBN_MW_P9_2_280318	28/03/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	Total PFHxS (3)	0.018	0.034	µg/L	0.001 µg/L	62
501380	water	WBN_MW_GWF_2_280318	WBN_MW_P9_2_280318	28/03/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	PFBA	0.05	0.011	µg/L	0.001 µg/L	128
501380	water	WBN_MW_GWF_2_280318	WBN_MW_P9_2_280318	28/03/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	PFBS	0.0013	0.0075	µg/L	0.001 µg/L	141
501380	water	WBN_MW_GWF_2_280318	WBN_MW_P9_2_280318	28/03/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	PFNA	0.012	0.0043	µg/L	0.001 µg/L	94
501380	water	WBN_MW_GWF_2_280318	WBN_MW_P9_2_280318	28/03/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	L-PFHxS (1)	0.017	0.029	µg/L	0.001 µg/L	52
501380	water	WBN_MW_GWF_2_280318	WBN_MW_P9_2_280318	28/03/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	mono-PFHxS (1)	0.0013	0.0049	µg/L	0.001 µg/L	116

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Lab Duplicates with high RPDs

SDG	Lab_Report_Number	Matrix_Type	Lab_Duplicate	Field_ID	Depth	Sampled_Date-Time	Method_Name	Compound	Parent_Result	Dupe_Result	Result_Unit	EQL	RPD
A02684802	1166946	Water	A02684802_18-171621-2 duplicate	WBN_ADJ_GW115_4_210618		21/06/2018	DX-PFCS01, 03-SUITE_B - AsureQuality Method (LC-MS/MS)	PFTeDA	-999	<0.1	-		0



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Detects in Blanks

SDG	La	Report Num er	Matrix T pe	SampleCode	Field ID	Sampled Date Time	Sample T pe	Compound	Prefix	Result	Extraction Date
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	L-PFHxS (1)		0.0047 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	Total PFHxS (3)		0.0047 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	mono-PFOS (5)		0.0025 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	L-PFOS (5)		0.0035 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	Total PFOS (7)		0.006 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	Sum PFHxS+PFOS (1)		0.011 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	PFPeA		0.0025 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	PFHxA		0.0017 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	PFHpA		0.0014 µg/L	27/03/2018
A02684802	1081242		Water	1081242_18-97148-7	OHA_ADJ_GWAC_2_220318	22/03/2018	Trip_B	PFOA		0.0013 µg/L	27/03/2018
A02684802	1071080		Water	A02684802_OHA_ADJ_GWDO_2_080318	OHA_ADJ_GWDO_2_080318	8/03/2018	Trip_B	L-PFHxS (1)		0.0022 µg/L	21/03/2018
A02684802	1071080		Water	A02684802_OHA_ADJ_GWDO_2_080318	OHA_ADJ_GWDO_2_080318	8/03/2018	Trip_B	Total PFHxS (3)		0.0022 µg/L	21/03/2018
A02684802	1071080		Water	A02684802_OHA_ADJ_GWDO_2_080318	OHA_ADJ_GWDO_2_080318	8/03/2018	Trip_B	Sum PFHxS+PFOS (1)		0.0022 µg/L	21/03/2018
A02684802	1071080		Water	A02684802_OHA_ADJ_GWDO_2_080318	OHA_ADJ_GWDO_2_080318	8/03/2018	Trip_B	PFPeA		0.001 µg/L	21/03/2018
A02684802	1033812		Water	A02684802_OHA_ADJ_GWY_2_130218	OHA_ADJ_GWY_2_130218	13/02/2018	Trip_B	L-PFOS (5)		0.0015 µg/L	15/02/2018
A02684802	1033812		Water	A02684802_OHA_ADJ_GWY_2_130218	OHA_ADJ_GWY_2_130218	13/02/2018	Trip_B	Total PFOS (7)		0.0015 µg/L	15/02/2018
A02684802	1033812		Water	A02684802_OHA_ADJ_GWY_2_130218	OHA_ADJ_GWY_2_130218	13/02/2018	Trip_B	Sum PFHxS+PFOS (1)		0.0015 µg/L	15/02/2018