Appendix C Chemistry Screening Results July 2022 – June 2023

				Field						BTEX							CRC Care TPH Fractions					TPH						PAH			
				SWL	pH	Electrical conductivity	Redox Potential	Dissolved Oxygen	Temp	Turbidity	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6 - C9	C10 - C14	C15 - C28	C29-C36	+C10 - C36 (Sum of total)	C6-C10	C10-C16	C16-C34	C34-C40	C10 - C40 (Sum of total)	F1: C6-C10 less BTEX	F2: >C10-C16 less Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
				mbtoc	pH	uS/cm	mV	%S	oC	ntu	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL											0.01	1	1	1	2	1	3	20	50	100	100	100	20	50	100	100	100	20	50	1	1	1	1
ANZG (2018) Marine water 90% toxicant DGVs					6-8							900																				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)					6-8.5			80-100																								
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	**Matrix**	**Date**	**Lab Report**																													
DW3	Leachate	11 Aug 2022	913607	-	7.94	21351	34.6	28.2	34.6	-	<0.2	<20	22	<20	<40	27	<60	<400	5,100	14,000	700	19,800	<400	6,000	15,000	<100	21,000	<400	6,000	<1	<1	<1	<1
LP01	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	-	<0.2	<20	<20	<20	<40	<20	<60	<400	1,200	4,000	2,800	8,000	<400	1,600	5,500	800	7,900	<400	1,600	<1	<1	<1	<1
LP02	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	-	<0.4	<40	<40	<40	<80	<40	<120	<800	6,700	38,000	39,000	83,700	<800	11,000	58,000	32,000	101,000	<800	11,000	<1	<1	<1	<1
TC SUMP	Leachate	12 Aug 2022	913607	2.3	8.3	21548	38.4	63.1	33.4	-	<0.2	<20	<20	<20	<40	<20	<60	<400	1,800	6,400	800	9,000	<400	2,400	7,000	1,000	10,400	<400	2,400	<1	<1	<1	<1
GW11-12	Groundwater	11 Aug 2022	913607	11.73	6.06	627	126.6	16.4	30.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	Groundwater	11 Aug 2022	913607	10.8	8.32	26481	89.3	33.1	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	11 Aug 2022	913607	10.78	5.06	79.2	140.3	42.1	31.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	11 Aug 2022	913607	10.92	5.35	93	134.8	34.5	31.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	11 Aug 2022	913607	13.65	4.96	409.3	148.2	31.2	31.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	11 Aug 2022	913607	10.37	4.88	3248	190.3	33.4	30.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	11 Aug 2022	913607	10.47	8.66	13549	175.6	39	30.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	11 Aug 2022	913607	11.69	12.12	17489	179.1	24.3	31.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	11 Aug 2022	913607	6.95	8.59	2510	168.6	33.7	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	Groundwater	11 Aug 2022	913607	7.54	7.23	24311	157.6	29.1	30.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	11 Aug 2022	913607	5.02	7.79	1097	168.8	42.1	32.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	11 Aug 2022	913607	1.22	6.44	1172	183.2	36.9	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	11 Aug 2022	913607	1.32	7.1	3234	173	39	29.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	11 Aug 2022	913607	1.19	6.58	8.62	171.7	18.2	28.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	11 Aug 2022	913607	1.77	6.21	18947	172.3	20.2	27.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	11 Aug 2022	913607	5.1	4.88	73548	194.6	22.6	31.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	11 Aug 2022	913607	6.23	4.54	8145	178.5	37.5	30.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	12 Aug 2022	913607	3.99	5.35	350.4	49.8	17.4	30.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	12 Aug 2022	913607	8.91	6.12	974	37.6	33	30.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	12 Aug 2022	913607	2.37	6.48	82360	129.4	23.4	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	12 Aug 2022	913607	1.49	5.84	20913	113.7	11.8	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Aug 2022	-	-	7.96	2647	127	96.5	29.8	486.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Aug 2022	-	-	7.6	1948	116.9	90.4	30.4	688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Aug 2022	-	-	8.4	2781	108.3	68.3	30.7	712.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Sep 2022	-	-	8.1	3019	164	86	29.6	230.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Sep 2022	-	-	7.83	2601	129.4	94.1	30	254.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Sep 2022	-	-	7.94	2383	150.7	79.4	30.2	384.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Oct 2022	-	-	7.45	755	74.5	89.5	28.7	37.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Oct 2022	-	-	7.21	827	83.9	83.2	28.8	40.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Oct 2022	-	-	7.79	1024	82.1	98	28.8	29.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	Surface Water	05 Oct 2022	-	-	7.37	47803	10.7	14	30.1	70.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	08 Nov 2022	938841	-	8.44	23940	-110.5	8.6	39.6	-	<0.05	<5	<5	<5	<10	<5	<15	<100	720	1,600	400	2,720	<100	850	1,600	<100	2,450	<100	850	<1	<1	<1	<1
LP02	Leachate	08 Nov 2022	938841	-	8.43	24317	-335.7	5.9	40.7	-	<0.05	<5	<5	<5	<10	<5	<15	<100	2,300	6,200	1,800	10,300	<100	2,800	6,500	600	9,900	<100	2,800	<1	<1	<1	<1
GW11-12	Groundwater	08 Nov 2022	938841	9.92	6.5	543	-27.8	28.6	28.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	08 Nov 2022	938841	6.73	5.69	96.5	76.1	70.8	28.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	08 Nov 2022	938841	7.12	3.86	232.2	178.2	66.6	28.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	08 Nov 2022	938841	11.69	6.09	401.4	20.2	46.1	30.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	08 Nov 2022	938841	3.86	5.34	396.7	104.8	37.8	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	08 Nov 2022	938841	3.45	5.52	925	124.5	47.4	27.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	08 Nov 2022	938841	8.91	6.03	198.7	88.2	70.9	27.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	08 Nov 2022	938841	11.06	8.72	11950	23.6	84.5	27.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	08 Nov 2022	938841	10.98	12	4976	6.1	88	27.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	08 Nov 2022	938841	8.72	7.36	8778	94.4	69.4	27.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	08 Nov 2022	938841	5.14	5.47	485.6	151.4	47.6	28.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	08 Nov 2022	938841	1.17	5.96	1058	127.5	73.5	26.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	08 Nov 2022	938841	1.24	7.12	3116	91.8	66.7	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	08 Nov 2022	938841	1.16	6.87	7516	80.1	52.4	26.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	08 Nov 2022	938841	1.34	6.45	10183	94.5	46.3	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	08 Nov 2022	938841	2.26	6.47	77581	102.3	42.6	26.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	08 Nov 2022	938841	1.63	5.51	22783	113.6	38.5	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	08 Nov 2022	938841	3.95	5.35	71476	127.2	25.8	29.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	08 Nov 2022	938841	5.06	5.16	4930	146.3	77.8	26.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	08 Nov 2022	938841	-	6.99	3351	-105.7	20.2	36	11.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPS	Surface Water	08 Nov 2022	938841	-	7.09	4477	-135.9	118.6	36.3	11.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Nov 2022	938841	-	7.63	5434	71.7	99.2	28.8	30.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Nov 2022	938841	-	8.02	1314	89.1	99.2	27.9	74.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Nov 2022	938841	-	7.82	1290	97.3	100.7	29.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	08 Dec 2022	948478	-	5.05	1881	141.2	42.1	26.2	649.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Dec 2022	948478	-	9.24	598	99.1	95.6	26.6	92.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Dec 2022	948478	-	8.86	1545	97.1	106.7	27.1	12.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Dec 2022	948478	-	9.33	332.5	87.3	87.3	27.1	197.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	08 Dec 2022	948478	-	9.77	2245	79.1	54.6	26.7	36.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	05 Jan 2023	953837	-	6.32	897	43.9	28.4	24.3	450.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Jan 2023	953837	-	7.98	435.1	108.4	95.6	24.8	202.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Jan 2023	953837	-	8.03	875.6	110.7	98.6	24.4	37.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Jan 2023	953837	-	8.32	329.1	119.2	98.4	24.3	465.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	05 Jan 2023	953837	-	6.76	559	106.2	104.8	25.9	32.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW16	Surface Water	05 Jan 2023	953837	-	8.14	750	128..5	108.7	25.9	22.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Jan 2023	953837	-	6.65	857	90.4	54.5	24.8	28.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	05 Jan 2023	953837	-	7.08	314.6	138.2	97.6	34.2	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DW3	Leachate	27 Jan 2023	958820	-	8.1	21548	61.8	33.7	36.7	9416.4	<0.1	<10	41	<10	330	190	510	930	320	500	<100	820	1,600	430	500	<100	930	1,000	430	<1	<1	<1	<1

				Field						BTEX							CRC Care TPH Fractions					TPH							PAH			
				SWL	pH	Electrical conductivity	Redox Potential	Dissolved Oxygen	Temp	Turbidity	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6 - C9	C10 - C14	C15 - C28	C29-C36	>C10 - C36 (Sum of total)	C6-C10	C10-C16	C16-C34	C34-C40	C10 - C40 (Sum of total)	F1: C6-C10 less BTEX	F2: >C10-C16 less Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz[a]anthracene
				mbtoc	pH	uS/cm	mV	%S	oC	ntu	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL											0.01	1	1	1	2	1	3	20	50	100	100	100	20	50	100	100	100	20	50	1	1	1	1
ANZG (2018) Marine water 90% toxicant DGVs					6-8							900																				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)					6-8.5			80-100																								
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	**Matrix**	**Date**	**Lab Report**																													
LMP02	Leachate	27 Jan 2023	958820	-	7.39	4197	-68.9	26.1	28.3	-	<0.01	<1	<1	<1	<2	<1	<3	<20	410	2,400	200	3,010	<20	850	2,400	<100	3,250	<20	850	<1	<1	<1	<1
LP01	Leachate	27 Jan 2023	958820	-	8.59	23176	-236.2	12	36.2	-	<0.05	<5	<5	<5	<10	<5	<15	<100	60	200	<100	260	<100	130	200	<100	330	<100	130	<1	<1	<1	<1
LP02	Leachate	27 Jan 2023	958820	-	8.6	23203	242.1	8	35	-	<0.1	<10	<10	<10	<20	<10	<30	<200	120	400	<100	520	<200	220	400	<100	620	<200	220	<1	<1	<1	<1
TC Sump	Leachate	27 Jan 2023	958820	-	8.8	8138	41.2	20.6	33.3	-	<0.05	<5	<5	<5	13	19	31	<100	70	300	<100	370	<100	150	200	<100	350	<100	150	<1	<1	<1	<1
GW1-3	Groundwater	27 Jan 2023	958820	0.95	5.34	1197	1834	20.5	31.2	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW1-12	Groundwater	27 Jan 2023	958820	1.24	12.67	6737	-10.6	80.7	31.3	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW3-3	Groundwater	27 Jan 2023	958820	1.85	9.41	4434	197.7	43.2	31.7	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW3-12	Groundwater	27 Jan 2023	958820	2.21	10.93	857	80.7	88.5	32.4	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW8-3	Groundwater	27 Jan 2023	958820	0.67	7.53	4801	128.7	75.4	30.1	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	300	<100	300	<20	90	300	<100	390	<20	90	<1	<1	<1	<1
GW8-12	Groundwater	27 Jan 2023	958820	0.34	7.24	82385	146.6	84	30.1	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW9-12	Groundwater	27 Jan 2023	958820	4.28	8.75	132.8	109.4	93.3	30.9	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW10-3	Groundwater	27 Jan 2023	958820	2.12	3.99	1561	120	75.1	29.4	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW10-12	Groundwater	27 Jan 2023	958820	2.7	3.3	97.6	157.7	86.2	29.7	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW11-3	Groundwater	27 Jan 2023	958820	1.68	3.36	93.9	189.8	83.6	29.5	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW11-12	Groundwater	27 Jan 2023	958820	1.73	5.63	2049	147.9	41.2	30.2	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW12-3	Groundwater	27 Jan 2023	958820	1.23	5.52	1548	148.3	41	31	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	100	<100	100	<20	<50	200	<100	200	<20	<50	<1	<1	<1	<1
GW12-12	Groundwater	27 Jan 2023	958820	2.13	6.77	201.2	113.3	83.7	31.2	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW12-30	Groundwater	27 Jan 2023	958820	2.3	5.17	83.8	143.1	67.1	31.6	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW13-3	Groundwater	27 Jan 2023	958820	7.37	5.64	1361	6.1	42.4	32.1	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	300	<100	300	<20	140	300	<100	440	<20	140	<1	<1	<1	<1
GW13-12	Groundwater	27 Jan 2023	958820	7.33	5.51	4449	73.3	51.6	31.9	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	300	<100	300	<20	80	300	<100	380	<20	80	<1	<1	<1	<1
GW14-3	Groundwater	27 Jan 2023	958820	1.09	6.16	5004	158.5	65	29.8	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW14-12	Groundwater	27 Jan 2023	958820	1.07	6.41	14495	114.6	79	30.1	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW15-3	Groundwater	27 Jan 2023	958820	1.52	6.11	4601	142.7	36.5	29.9	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW15-12	Groundwater	27 Jan 2023	958820	1.75	5.52	3179	174.6	94.1	30.2	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW16-3	Groundwater	27 Jan 2023	958820	1.37	7.45	575	127.1	45	29.4	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW16-12	Groundwater	27 Jan 2023	958820	1.74	6.41	377.8	172.3	66.9	29.7	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW16-30	Groundwater	27 Jan 2023	958820	6.67	6.86	2152	137.5	75.9	29.8	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW17-3	Groundwater	27 Jan 2023	958820	1.37	8.94	18915	101.3	88.6	31	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW17-12	Groundwater	27 Jan 2023	958820	2.23	10.2	11738	32.9	94	31.6	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW17-30	Groundwater	27 Jan 2023	958820	2.09	12.01	2333	-30.6	72.7	31.7	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW18-3	Groundwater	27 Jan 2023	958820	1.21	8.13	1071	33	75	32.8	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW18-12	Groundwater	27 Jan 2023	958820	1.71	8.13	698	32.1	71	33.8	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW20	Groundwater	27 Jan 2023	958820	-	7.35	4334	79.9	50.5	28.2	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
WW6	Groundwater	27 Jan 2023	958820	1.59	5.09	65870	204.4	41.8	30	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
WW13	Groundwater	27 Jan 2023	958820	4.78	8.52	1494	1142	85.3	30.5	-	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW Sump	Surface Water	27 Jan 2023	958820	-	9.32	755	81.4	75.7	38.8	841	<0.01	<1	<1	<1	<2	<1	<3	<20	70	300	<100	370	<20	140	300	<100	440	<20	140	<1	<1	<1	<1
SW12	Surface Water	27 Jan 2023	958820	-	8.92	660	65.9	92.1	34.9	451.9	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
SW13	Surface Water	27 Jan 2023	958820	-	9.48	677	60.7	91.2	34.8	365.2	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
SW15	Surface Water	27 Jan 2023	958820	-	10.06	448.6	53	96.4	36.4	8.57	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
SWStg1&2	Surface Water	27 Jan 2023	958820	-	8.37	565	40.4	66.7	27.2	53.8	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
SWStg5	Surface Water	27 Jan 2023	958820	-	9.62	1960	52.3	129.2	35.8	30.52	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
LTP Wetland	Leachate	03 Mar 2023	968801	-	8.26	3541	91.4	56.3	30.4	122.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	03 Mar 2023	968801	-	7.53	951	86.8	52.8	25.8	493.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	03 Mar 2023	968801	-	7.92	829	82.8	98.3	25.9	114.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	03 Mar 2023	968801	-	6.99	915	101.3	96.6	25.3	131.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	03 Mar 2023	968801	-	7.56	506	85.4	132.1	24.3	47.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	03 Mar 2023	968801	-	7.63	683	99.6	68.4	24.2	46.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	03 Mar 2023	968801	-	8.57	304.2	66.8	102.4	23	11.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	05 Apr 2023	978461	-	7.73	617	122.6	118.7	27.1	283.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP WETLAND	Leachate	05 Apr 2023	978461	-	8.18	4167	113	62.1	29.3	134.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Apr 2023	978461	-	7.91	1620	70.6	109.1	29.3	19.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Apr 2023	978461	-	7.28	2925	99.1	96.1	28.7	20.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Apr 2023	978461	-	7.5	510	142.8	85	24	13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	10 May 2023	988289	-	8.62	26481	-220.3	7.2	38.4	-	<0.04	<4	<4	<4	<4	<8	<4	<12	110	3,600	8,500	500	12,600	90	4,800	7,200	200	12,200	90	4,800	<1	<1	<1	<1
GW1-3	Groundwater	10 May 2023	988289	1.48	10.61	1359	-1.1	81.1	22.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	Groundwater	10 May 2023	988289	1.56	12.13	7329	-74.4	71.2	22.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-3	Groundwater	10 May 2023	988289	1.17	6.13	3135	54.3	45.9	25.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	Groundwater	10 May 2023	988289	1.75	6.56	21226	120.3	92.8	25.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-3	Groundwater	10 May 2023	988289	2.53	4.41	1091	2423	51.6	26.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	10 May 2023	988289	2.68	5.63	2127	1296	47.8	26.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-3	Groundwater	10 May 2023	988289	1.29	3.96	2662	268.1	56.3	27.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-12	Groundwater	10 May 2023	988289	1.37	11.81	7336	-42.1	80.5	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	10 May 2023	988289	~7L/hr	9.24	2317	50.9	76.2	25.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-3	Groundwater	10 May 2023	988289	1.45	6.5	2831	160.9	79.6	26.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	10 May 2023	988289	~2.4L/hr	6.86	4348	141.7	60.9	25.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	10 May 2023	988289	1.15	6.29	19312	67.4	73.5	26.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	10 May 2023	988289	~2L/hr	6.55	8199	48.8	40.6	24.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	10 May 2023	988289	1	6.71	2958	33.9	55.4	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	10 May 2023	988289	0.56	6.38	76537	133.4	50	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW9-12	Groundwater	10 May 2023	988289	6.07	6.47	4341	141.2	56.6	26.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW10-12	Groundwater	10 May 2023	988289	4.36	4.56	76.5	31.5	61.8	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	10 May 2023	988289	3.21	6.69	181.6	257.2	49.4	24.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-3	Groundwater	10 May 2023	988289	1.87	6.15	1362	139.1	43.3	25.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	10 May 2023	988289	2.95	4.48	93.8	326	61.9	25.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	10 May 2023	988289	3.16	5.97	60.1	242.8	82.6	26.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Field						BTEX							CRC Care TPH Fractions					TPH							PAH			
				SWL	pH	Electrical conductivity	Redox Potential	Dissolved Oxygen	Temp	Turbidity	Naphthalene (VOC)	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6 - C9	C10 - C14	C15 - C28	C29-C36	+C10 - C36 (Sum of total)	C6-C10	C10-C16	C16-C34	C34-C40	C10 - C40 (Sum of total)	F1: C6-C10 less BTEX	F2: >C10-C16 less Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene
				mbtoc	pH	uS/cm	mV	%S	oC	ntu	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL											0.01	1	1	1	2	1	3	20	50	100	100	100	20	50	100	100	100	20	50	1	1	1	1
ANZG (2018) Marine water 90% toxicant DGVs					6-8							900																				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)					6-8.5			80-100																								
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	**Matrix**	**Date**	**Lab Report**																													
GW13-12	Groundwater	10 May 2023	988289	7.96	5.78	370.3	66.1	57.1	26.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-3	Groundwater	10 May 2023	988289	1.3	5.41	5823	189.2	77.9	23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-12	Groundwater	10 May 2023	988289	1.27	6.25	12155	101.5	64.8	24.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-3	Groundwater	10 May 2023	988289	1.15	7.72	3736	-115.6	46	24.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	10 May 2023	988289	1.69	6.4	2536	117.4	92.5	25.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	10 May 2023	988289	1.85	6.06	622	197.8	43	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	10 May 2023	988289	2.16	5.04	351.8	273.8	49	25.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	10 May 2023	988289	6.73	5.85	220.8	209.6	78.3	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-3	Groundwater	10 May 2023	988289	1.71	6.95	16549	175.2	81.8	25.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	10 May 2023	988289	2.22	8.77	11152	112.1	96.6	25.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	10 May 2023	988289	2.26	11.26	1982	-1.2	76	25.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-3	Groundwater	10 May 2023	988289	2.12	7.48	1936	1453	64.7	27.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	10 May 2023	988289	2.14	7.68	1415	128.4	47.1	27.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW20	Groundwater	10 May 2023	988289	-	5.68	277.6	138.4	54.1	27.4	5.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW1	Groundwater	10 May 2023	988289	5.61	4.27	1211	268.3	92.1	26.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	10 May 2023	988289	1.97	5.87	62433	199.4	45.4	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	10 May 2023	988289	1.59	5.73	4355	170.6	60	22.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW13	Groundwater	10 May 2023	988289	4.65	5	1690	227.4	59.6	24.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	10 May 2023	988289	-	5.39	706	144.1	59.2	35.9	11.91	<0.01	<1	<1	<1	<2	<1	<3	<20	<50	<100	<100	<100	<20	<50	<100	<100	<100	<20	<50	<1	<1	<1	<1
GW Sump	Surface Water	10 May 2023	988289	-	8.1	1002.4	87.6	68.4	22.9	38.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	10 May 2023	988289	-	9.12	1827	90.3	94.6	20.1	9.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	10 May 2023	988289	-	8.95	4706	126.7	143.8	21.4	28.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Jun 2023	-	-	8.73	1465	84.1	110.3	21	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Jun 2023	-	-	9.24	1864	112.7	86.4	24.5	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Jun 2023	-	-	8.04	3693	98.8	43	21.7	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	04 Jul 2023	-	-	8.25	1324	87.6	98	21.6	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	04 Jul 2023	-	-	8.13	4087	103.1	63.4	21	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																																
Number of Results				106	175	175	174	175	175	56	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Maximum Concentration				13.65	12.67	82385	2423	143.8	40.7	9416.4	<0.4	<40	41	<40	330	190	510	930	6,700	38,000	39,000	83,700	1,600	11,000	58,000	32,000	101,000	1,000	11,000	<1	<1	<1	<1
Average Concentration *				3.86	7.22	8046.71	143.26	64.14	28.52	322.94	0.018	1.8	2.8	1.8	10	6.2	16	55	468	1,709	966	3,082	68	651	2,151	737	3,477	56	651	0.5	0.5	0.5	0.5
Standard Deviation *				3.36	1.78	16272.48	281.69	28.54	3.81	1255.58	0.036	3.6	7.1	3.6	47	27	72	145	1,307	5,840	5,509	12,248	232	1,900	8,500	4,515	14,620	154	1,900	0	0	0	0
% of Detects				-	-	-	-	-	-	-	0	0	4	0	4	6	4	4	26	34	16	34	4	32	34	10	34	4	32	0	0	0	0

* A Non Detect Multiplier of 0.5 has been applied.

				PAH												Metals															
				Benzo[a]pyrene	Benzo[b+j]fluoranthene	Benzo[k]fluoranthene	Benzo[g,h,i]perylene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Aluminium	Aluminium (filtered)	Arsenic	Arsenic (filtered)	Beryllium	Beryllium (filtered)	Boron	Boron (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (hexavalent)	Chromium (hexavalent) (filtered)	Chromium (III+VI)	Chromium (III+VI) (filtered)	Chromium (Trivalent)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				1	1	1	1	1	1	1	1	1	1	1	1	1	0.05	0.05	0.001	0.001	0.001	0.001	0.05	0.05	0.0002	0.0002	0.5	0.005	0.005	0.001	0.001	0.005
ANZG (2018) Marine water 90% toxicant DGVs													90												0.014	0.014		0.02	0.02			0.0486
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	**Matrix**	**Date**	**Lab Report**																													
DW3	Leachate	11 Aug 2022	913607	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	3	<1	<1	1.5	-	0.023	-	-	-	<5	-	<0.002	-	43	-	-	0.07	-	-
LP01	Leachate	12 Aug 2022	913607	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.6	-	<0.05	-	-	-	<10	-	<0.005	-	50	-	-	0.32	-	-
LP02	Leachate	12 Aug 2022	913607	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	2	<1	<1	15	-	0.26	-	-	-	<10	-	<0.005	-	83	-	-	0.86	-	-
TC SUMP	Leachate	12 Aug 2022	913607	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	1	<1	<1	2.3	-	<0.05	-	-	-	<10	-	<0.005	-	44	-	-	0.23	-	-
GW11-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	38	-	-	-	0.005	-
GW1-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26	-	-	1,100	-	-	-	<0.001	-
GW12-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	2.7	-	-	-	<0.001	-
GW12-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	3	-	-	-	<0.001	-
GW13-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	5.5	-	-	-	0.001	-
GW15-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	40	-	-	-	<0.001	-
GW17-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	310	-	-	-	<0.001	-
GW17-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	12	-	-	-	0.004	-
GW18-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	76	-	-	-	0.002	-
GW2-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35	-	-	420	-	-	-	<0.001	-
GW3-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	13	-	-	-	<0.001	-
GW4-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	12	-	-	-	0.002	-
GW5-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.76	-	-	11	-	-	-	0.007	-
GW7-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	35	-	-	-	<0.001	-
GW7-3	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.69	-	-	120	-	-	-	<0.001	-
WW6	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	-	-	1,400	-	-	-	0.002	-
WW9	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	-	81	-	-	-	<0.001	-
GW16-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	2.4	-	-	-	<0.001	-
GW16-30	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	2.4	-	-	-	<0.001	-
GW8-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	1,300	-	-	-	<0.001	-
GW8-3	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79	-	-	230	-	-	-	<0.001	-
SW12	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	08 Nov 2022	938841	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.9	-	0.12	-	<0.01	-	5.7	-	<0.002	-	77	-	-	0.66	-	-
LP02	Leachate	08 Nov 2022	938841	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	-	0.11	-	<0.01	-	5.7	-	<0.002	-	71	-	-	0.65	-	-
GW11-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83	<0.05	0.011	0.006	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	26	-	-	0.008	0.001	-
GW12-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	3.3	-	-	<0.001	<0.001	-
GW12-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	0.07	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	1.3	-	-	<0.001	<0.001	-
GW13-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.003	0.002	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	4.3	-	-	<0.001	<0.001	-
GW16-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46	0.4	0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	3.4	-	-	0.002	<0.001	-
GW16-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	0.46	0.002	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	8.3	-	-	0.012	<0.001	-
GW16-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	5.1	-	-	<0.001	<0.001	-
GW17-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	<0.05	0.002	<0.001	0.003	0.001	<0.05	<0.05	0.0009	0.0009	260	-	-	0.01	<0.001	-
GW17-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	0.13	<0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	440	-	-	0.007	0.006	-
GW18-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	<0.05	0.002	<0.001	<0.001	<0.001	<0.5	<0.5	0.0008	0.0013	400	-	-	0.006	<0.001	-
GW3-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	7.5	-	-	<0.001	<0.001	-
GW4-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	12	-	-	0.002	0.002	-
GW5-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.002	<0.001	<0.001	<0.001	1.1	0.81	<0.0002	<0.0002	11	-	-	0.006	0.005	-
GW7-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	1.8	1.5	<0.0002	<0.0002	32	-	-	<0.001	<0.001	-
GW7-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.16	0.002	<0.001	<0.001	<0.001	<0.05	<0.05	0.0003	<0.0002	25	-	-	0.002	<0.001	-
GW8-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	4.4	4.1	0.0035	0.003	1,000	-	-	<0.001	<0.001	-
GW8-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	<0.05	<0.001	<0.001	0.002	<0.001	1.3	1	<0.0002	<0.0002	180	-	-	<0.001	<0.001	-
WW6	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	<0.05	<0.001	<0.001	0.011	0.012	0.91	1	0.0044	0.0044	1,300	-	-	<0.001	<0.001	-
WW9	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	0.32	<0.001	<0.001	0.001	<0.001	<0.05	<0.05	0.0003	0.0003	68	-	-	<0.001	<0.001	-
GWILP	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	-	0.011	-	<0.001	-	0.14	-	<0.0002	-	11	-	-	0.01	-	-
GWILPS	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	-	0.015	-	<0.001	-	0.4	-	<0.0002	-	11	-	-	0.014	-	-
SW12	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	<0.05	0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	46	-	-	<0.001	<0.001	-
SW13	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	<0.05	0.002	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	52	-	-	0.003	<0.001	-
SW14	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19	<0.05	0.002	0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	64	-	-	<0.001	<0.001	-
GW Sump	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	-	0.025	-	<0.001	-	0.19	-	0.0002	-	52	-	-	0.007	-	-
SW12	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	0.24	0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	31	-	-	0.001	<0.001	-
SW13	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	44	-	-	<0.001	<0.001	-
SW14	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-	0.001	-	<0.001	-	<0.2	-	<0.0002	-	17	-	-	0.003	-	-
SWStg5	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	0.3	0.007	0.006	<0.001	<0.001	0.41	0.36	<0.0002	<0.0002	35	-	-	0.004	0.004	-
GW Sump	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	0.011	-	<0.001	-	<0.5	-	<0.0002	-	36	-	-	0.004	-	-
SW12	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	0.002	-	<0.001	-	<0.5	-	<0.0002	-	18	-	-	0.003	-	-
SW13	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	0.71	<0.05	<0.001	<0.001	<0.001	<0.001	0.09	0.1	<0.0002	<0.0002	32	-	-	<0.001	<0.001	-
SW14	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	<0.05	0.003	<0.001	<0.001	<0.001	0.07	0.06	<0.0002	<0.0002	11	-	-	0.005	<0.001	-
SW15	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	<0.001	<0.001	<0.001	<0.001	0.06	0.05	<0.0002	<0.0002	12	-	-	<0.001	<0.001	-
SW16	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	0.09	<0.001	<0.001	<0.001	<0.001	0.11	0.11	<0.0002	<0.0002	59	-	-	<0.001	<0.001	-
SWStg1&2	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	0.1	0.004	0.004	<0.001	<0.001	0.24	0.22	<0.0002	<0.0002	60	-	-	<0.001	<0.001	-
SWStg5	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	0.06	0.003	0.002	<0.001	<0.001	0.09	0.07	<0.0002	<0.0002	17	-	-	<0.001	<0.001	-
DW3	Leachate	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	1	<1	<1	2.1	<0.5	0.12	0.05	<0.01	<0.01	5.1	3.8	0.0008	<0.002	42	-	-	0.31	0.18	-

				PAH												Metals															
				Benzo[a]pyrene	Benzo[b+j]fluoranthene	Benzo[k]fluoranthene	Benzo[g,h,i]perylene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-c,d]pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Aluminium	Aluminium (filtered)	Arsenic	Arsenic (filtered)	Beryllium	Beryllium (filtered)	Boron	Boron (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (hexavalent)	Chromium (hexavalent) (filtered)	Chromium (III+VI)	Chromium (III+VI) (filtered)	Chromium (Trivalent)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				1	1	1	1	1	1	1	1	1	1	1	1	1	0.05	0.05	0.001	0.001	0.001	0.001	0.05	0.05	0.0002	0.0002	0.5	0.005	0.005	0.001	0.001	0.005
ANZG (2018) Marine water 90% toxicant DGVs													90												0.014	0.014		0.02	0.02			0.0486
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	Matrix	Date	Lab Report																													
LMP02	Leachate	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.01	<0.01	<0.01	<0.01	2.3	2.3	<0.0002	<0.0002	46	-	-	<0.01	<0.01	-
LP01	Leachate	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	0.96	0.13	0.11	<0.01	<0.01	7	6.8	<0.0002	<0.0002	65	-	-	0.84	0.57	-
LP02	Leachate	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	1	0.13	0.11	<0.01	<0.01	7.6	7	<0.0002	<0.0002	66	-	-	0.83	0.56	-
TC Sump	Leachate	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.54	<0.5	0.045	0.045	<0.01	<0.01	3.3	3.7	<0.0002	<0.0002	52	-	-	0.17	0.13	-
GW1-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.21	0.2	<0.001	<0.001	<0.001	<0.001	0.05	<0.05	<0.0002	<0.0002	9.6	-	-	<0.001	0.002	-
GW1-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	0.001	<0.001	<0.001	<0.001	0.06	0.05	<0.0002	<0.0002	400	-	-	0.005	0.004	-
GW3-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.6	0.99	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	4.1	-	-	0.002	<0.001	-
GW3-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	7.3	-	-	<0.001	<0.001	-
GW8-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	0.93	0.93	<0.0002	<0.0002	80	-	-	<0.001	<0.001	-
GW8-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	2.7	2.3	0.0029	0.0029	1,400	-	-	<0.001	<0.001	-
GW9-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.08	0.05	<0.001	<0.001	<0.001	<0.001	0.09	0.08	<0.0002	<0.0002	<0.5	-	-	<0.001	<0.001	-
GW10-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.26	0.26	<0.001	<0.001	<0.001	<0.001	0.09	0.08	<0.0002	<0.0002	0.8	-	-	<0.001	<0.001	-
GW10-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.5	0.35	<0.001	<0.001	<0.001	<0.001	0.07	0.07	<0.0002	<0.0002	2.2	-	-	0.001	<0.001	-
GW11-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.09	0.08	<0.001	<0.001	<0.001	<0.001	0.09	0.08	<0.0002	<0.0002	1.2	-	-	<0.001	<0.001	-
GW11-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.08	<0.05	<0.001	<0.001	<0.001	<0.001	0.08	0.08	<0.0002	<0.0002	21	-	-	<0.001	<0.001	-
GW12-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.08	<0.05	<0.001	<0.001	<0.001	<0.001	0.13	0.12	<0.0002	<0.0002	52	-	-	0.003	<0.001	-
GW12-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	2.9	-	-	<0.001	<0.001	-
GW12-30	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	0.7	-	-	<0.001	0.002	-
GW13-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	0.08	0.08	<0.0002	<0.0002	44	-	-	<0.001	<0.001	-
GW13-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	0.003	0.002	<0.001	<0.001	0.12	0.12	<0.0002	<0.0002	3.4	-	-	<0.001	<0.001	-
GW14-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.12	<0.05	<0.001	<0.001	<0.001	<0.001	0.19	0.11	0.0007	0.0006	69	-	-	<0.001	<0.001	-
GW14-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.09	<0.05	0.003	0.003	0.005	0.004	0.63	0.55	0.0011	0.0009	170	-	-	0.13	0.11	-
GW15-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.05	<0.05	<0.001	<0.001	<0.001	<0.001	0.07	0.06	<0.0002	<0.0002	13	-	-	0.001	0.001	-
GW15-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.42	0.42	<0.001	<0.001	<0.001	<0.001	0.05	0.05	<0.0002	<0.0002	34	-	-	0.001	<0.001	-
GW16-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.35	0.12	<0.001	<0.001	<0.001	<0.001	0.11	0.11	<0.0002	<0.0002	9.8	-	-	<0.001	<0.001	-
GW16-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.36	0.26	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	5.1	-	-	<0.001	<0.001	-
GW16-30	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	4.5	-	-	<0.001	<0.001	-
GW17-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.28	<0.05	<0.001	<0.001	<0.001	<0.001	0.07	0.05	0.0016	0.0015	420	-	-	<0.001	<0.001	-
GW17-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	<0.001	0.001	<0.05	<0.05	0.0008	0.0007	210	-	-	<0.001	<0.001	-
GW17-30	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.41	0.42	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	160	-	-	0.003	0.003	-
GW18-3	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.27	0.06	0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	13	-	-	<0.001	0.002	-
GW18-12	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.22	<0.05	0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	19	-	-	0.002	0.002	-
GW20	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.16	<0.05	0.002	<0.001	<0.001	<0.001	0.09	0.08	<0.0002	<0.0002	28	-	-	<0.001	<0.001	-
WW6	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.05	<0.001	<0.001	0.01	0.007	0.63	0.44	0.0041	0.0026	780	-	-	0.001	0.001	-
WW13	Groundwater	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.8	0.43	0.005	<0.001	0.001	0.001	<0.05	<0.05	<0.0002	<0.0002	19	-	-	0.003	<0.001	-
GW Sump	Surface Water	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	7	0.05	0.014	0.008	<0.001	<0.001	0.09	0.07	<0.0002	<0.0002	29	-	-	0.012	0.001	-
SW12	Surface Water	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	4.1	<0.05	0.003	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	18	-	-	0.006	<0.001	-
SW13	Surface Water	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<0.05	0.002	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	20	-	-	0.004	<0.001	-
SW15	Surface Water	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.09	0.08	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	33	-	-	<0.001	<0.001	-
SWStg1&2	Surface Water	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.12	0.1	0.003	0.003	<0.001	<0.001	0.06	0.07	<0.0002	<0.0002	30	-	-	<0.001	<0.001	-
SWStg5	Surface Water	27 Jan 2023	958820	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.1	0.07	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	24	-	-	<0.001	<0.001	-
LTP Wetland	Leachate	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39	-	0.022	-	<0.001	-	1.1	-	<0.0002	-	31	-	-	0.12	-	-
GW SUMP	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	-	0.011	-	<0.001	-	<0.5	-	<0.0002	-	39	-	-	0.003	-	-
SW12	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	0.09	0.003	0.002	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	24	-	-	0.02	0.009	-
SW13	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	0.69	0.1	0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	30	-	-	0.001	<0.001	-
SW15	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	0.13	<0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	16	-	-	<0.001	<0.001	-
SWStg1&2	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	0.1	0.004	0.002	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	55	-	-	0.002	0.002	-
SWStg5	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	0.07	0.001	0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	11	-	-	<0.001	<0.001	-
GW SUMP	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	-	0.008	-	<0.001	-	<0.5	-	<0.0002	-	32	-	-	0.001	-	-
LTP WETLAND	Leachate	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	-	0.071	-	<0.01	-	14	-	<0.002	-	88	-	-	0.3	-	-
SW12	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	<0.05	<0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	38	-	-	<0.001	<0.001	-
SW13	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	<0.05	<0.001	<0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	56	-	-	0.002	0.001	-
SWStg1&2	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.003	<0.001	<0.001	<0.001	<0.5	<0.5	<0.0002	<0.0002	30	-	-	<0.001	<0.001	-
LP02	Leachate	10 May 2023	988289	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	2	<1	<1	0.88	-	0.11	-	<0.01	-	4.5	-	<0.002	-	54	<0.05	-	-	-	0.38
GW1-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42	0.4	<0.001	<0.001	0.002	0.002	<0.05	<0.05	<0.0002	<0.0002	18	<0.005	<0.005	-	-	<0.005
GW1-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	830	<0.005	<0.005	-	-	0.007
GW2-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26	<0.05	0.059	<0.001	<0.001	<0.001	0.12	0.12	<0.0002	<0.0002	52	<0.005	<0.005	-	-	0.018
GW2-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.001	<0.001	<0.001	0.001	0.35	0.31	0.0019	0.0019	400	<0.005	<0.005	-	-	<0.005
GW3-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97	0.81	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	3.6	<0.005	<0.005	-	-	<0.005
GW3-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	7.1	<0.005	<0.005	-	-	<0.005
GW4-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	1.4	<0.001	<0.001	<0.001	<0.001	0.11	0.11	0.0002	0.0002	10	<0.005	<0.005	-	-	<0.005
GW4-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	0.11	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	810	<0.005	<0.005	-	-	<0.005
GW4-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.001	<0.001	<0.001	<0.001	0.11	0.11	<0.0002	<0.0002	21	<0.005	<0.005	-	-	<0.005
GW5-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	<0.05	0.001	<0.001	<0.001	<0.001	0.62	0.62	<0.0002	<0.0002	10	<0.005	<0.005	-	-	<0.005
GW5-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	0.94	0.87	<0.0002	<0.0002	22	<0.005	<0.005	-	-	0.006
GW7-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	0.68	0.56	0.001	0.0009	130	<0.005	<0.005	-	-	<0.005
GW7-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	1.4	1.3	<0.0002	<0.0002	33	<0.005	<0.005	-	-	<0.005
GW8-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.002	0.001	<0.001	<0.001	0.92	0.81	<0.0002	<0.0002	48	<0.005	<0.005	-	-	<0.005
GW8-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.001	<0.001	<0.001	<0.001	2.4	2.4	0.0025	0.0025	1,000	<0.005	<0.005	-	-	<0.005
GW9-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	0.1	<0.001	<0.001	<0.001	<0.001	0.1	0.08	<0.0002	<0.0002	16	<0.005	<0.005	-	-	<0.005
GW10-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3	0.3	<0.001	<0.001	<0.001	<0.001	0.08	0.07	<0.0002	<0.0002	1.4	<0.005	<0.005	-	-	<0.005
GW11-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33	<0.05	0.001	<0.001	<0.001	<0.001	0.09	0.09	<0.0002	<0.0002	22	<0.005	<0.005	-	-	<0.005
GW12-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	<0.05	0.017	<0.001	<0.001	<0.001	0.15	0.15	<0.0002	<0.0002	49	<0.005	<0.005	-	-	<0.005
GW12-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	0.1	<0.001	<0.001	<0.001	<0.001	0.06	0.05	<0.0002	<0.0002	3	<0.005	<0.005	-	-	<0.005
GW12-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	<0.05	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	1	<0.005	<0.005	-	-	<0.005

				PAH												Metals																	
				Benzo(a)pyrene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Aluminium	Aluminium (filtered)	Arsenic	Arsenic (filtered)	Beryllium	Beryllium (filtered)	Boron	Boron (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (hexavalent)	Chromium (hexavalent) (filtered)	Chromium (III+VI)	Chromium (III+VI) (filtered)	Chromium (Trivalent)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL				1	1	1	1	1	1	1	1	1	1	1	1	1	0.05	0.05	0.001	0.001	0.001	0.001	0.05	0.05	0.0002	0.0002	0.5	0.005	0.005	0.001	0.001	0.005
ANZG (2018) Marine water 90% toxicant DGVs													90												0.014	0.014		0.02	0.02			0.0486
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																	
PFAS NEMP 2020 Interim Marine 90%																																	
Field ID	**Matrix**	**Date**	**Lab Report**																														
GW13-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.003	0.002	<0.001	<0.001	0.13	0.11	<0.0002	<0.0002	3.6	<0.005	<0.005	-	-	<0.005
GW14-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	0.08	<0.001	<0.001	0.003	0.003	0.3	0.22	0.0007	0.0007	79	<0.005	<0.005	-	-	<0.005
GW14-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	0.09	0.003	0.003	0.004	0.004	0.56	0.47	0.0008	0.0008	140	0.081	0.081	-	-	-
GW15-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	0.07	<0.001	<0.001	<0.001	<0.001	0.19	0.18	<0.0002	<0.0002	15	<0.005	<0.005	-	-	<0.005
GW15-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	0.3	<0.001	<0.001	<0.001	<0.001	0.07	0.05	<0.0002	0.0002	34	<0.005	<0.005	-	-	<0.005
GW16-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.5	<0.5	0.004	0.003	<0.01	<0.01	0.96	0.8	<0.002	<0.002	24	<0.005	<0.005	-	-	0.067
GW16-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.88	0.79	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	2.8	<0.005	<0.005	-	-	<0.005
GW16-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	0.05	0.002	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	2.1	<0.005	<0.005	-	-	<0.005
GW17-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	0.05	<0.001	<0.001	<0.001	<0.001	0.07	0.06	0.0014	0.0014	400	<0.005	<0.005	-	-	<0.005
GW17-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	<0.05	<0.001	<0.001	0.001	0.001	0.06	0.05	0.0009	0.0008	240	<0.005	<0.005	-	-	<0.005
GW17-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35	0.33	<0.001	<0.001	<0.001	<0.001	0.07	0.07	<0.0002	<0.0002	140	<0.005	<0.005	-	-	<0.005
GW18-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	<0.05	0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	17	<0.005	<0.005	-	-	<0.005
GW18-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	<0.05	0.002	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	11	<0.005	<0.005	-	-	<0.005
GW20	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.002	0.001	<0.001	<0.001	0.06	0.05	<0.0002	<0.0002	6.4	<0.005	<0.005	-	-	<0.005
WW1	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	2	<0.001	<0.001	<0.001	<0.001	0.09	0.08	<0.0002	<0.0002	5.6	<0.005	<0.005	-	-	<0.005
WW6	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	0.002	<0.001	0.011	0.002	0.65	<0.05	0.005	0.0004	14	<0.005	<0.005	-	-	<0.005
WW9	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	0.13	0.009	<0.001	<0.001	<0.001	<0.05	<0.05	<0.0002	<0.0002	16	<0.005	<0.005	-	-	0.007
WW13	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0.43	0.015	<0.001	0.002	0.002	<0.05	<0.05	0.0002	<0.0002	16	<0.005	<0.005	-	-	0.009
GWILP	Surface Water	10 May 2023	988289	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.07	0.07	<0.001	<0.001	<0.001	<0.001	0.05	<0.05	<0.0002	<0.0002	7.7	<0.005	<0.005	-	-	<0.005
GW Sump	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	0.027	-	<0.001	-	0.22	-	0.0006	-	7.8	<0.005	-	-	-	<0.005
SW12	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	<0.05	0.001	<0.001	<0.001	<0.001	0.08	0.08	<0.0002	<0.0002	59	<0.005	<0.005	-	-	<0.005
SW13	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	0.1	0.002	0.002	<0.001	<0.001	0.14	0.13	<0.0002	<0.0002	110	<0.005	<0.005	-	-	<0.005
SW12	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																																	
Number of Results				50	50	50	50	50	50	50	50	50	50	50	50	50	151	133	151	133	147	133	151	156	151	133	174	46	44	105	112	45
Maximum Concentration				<1	<1	<1	<1	<1	<1	<1	<1	<1	3	3	<1	<1	15	2	0.26	0.11	0.011	0.012	14	7	0.005	0.0044	1,400	0.081	0.081	0.86	0.57	0.38
Average Concentration *				0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.5	0.5	0.77	0.15	0.01	0.0033	0.0011	0.00096	0.73	0.41	0.00042	0.00032	116	0.0047	0.0043	0.054	0.015	0.013
Standard Deviation *				0	0	0	0	0	0	0	0	0	0.46	0.46	0	0	1.6	0.27	0.032	0.014	0.0019	0.0015	1.8	0.99	0.00083	0.00064	263	0.012	0.012	0.17	0.078	0.057
% of Detects				0	0	0	0	0	0	0	0	0	10	10	0	0	78	44	50	19	9	10	54	51	17	16	99	2	2	54	30	16

* A Non Detect Multiplier of 0.5 has been applied.

				Metals																								Inorganics			
				Chromium (Trivalent) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Lithium	Lithium (filtered)	Magnesium	Manganese	Manganese (filtered)	Mercury	Nickel	Nickel (filtered)	Potassium	Selenium	Selenium (filtered)	Sodium	Vanadium	Vanadium (filtered)	Zinc	Zinc (filtered)	Alkalinity (Bicarbonate as CaCO3)	Carbonate Alkalinity (as CaCO3)	Reactive Phosphorus as P (Orthophosphate as P)	Total Dissolved Solids (Calc.)
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	MG/L	mg/L	mg/L
EQL				0.005	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.005	0.005	0.5	0.005	0.005	0.0001	0.001	0.001	0.5	0.001	0.001	0.5	0.005	0.005	0.005	0.005	20	10	0.01	10
ANZG (2018) Marine water 90% toxicant DGVs				0.0486	0.014	0.014	0.003	0.003			0.0066	0.0066						0.0007	0.2	0.2					0.16	0.16	0.023	0.023				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														0.01	
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	**Matrix**	**Date**	**Lab Report**																												
DW3	**Leachate**	**11 Aug 2022**	**913607**	-	0.01	-	0.073	-	12	-	0.019	-	<0.05	-	33	0.12	-	<0.001	0.045	-	660	<0.01	-	1,700	<0.05	-	1.1	-	8,200	430	9.2	-
LP01	**Leachate**	**12 Aug 2022**	**913607**	-	<0.05	-	<0.01	-	4.4	-	<0.01	-	<0.05	-	37	0.086	-	<0.001	0.12	-	490	<0.01	-	1,200	<0.05	-	0.23	-	4,400	<10	7.3	-
LP02	**Leachate**	**12 Aug 2022**	**913607**	-	0.15	-	0.081	-	22	-	0.075	-	<0.2	-	63	0.52	-	<0.001	0.43	-	1,300	<0.01	-	3,200	<0.05	-	0.59	-	5,600	810	13	-
TC SUMP	**Leachate**	**12 Aug 2022**	**913607**	-	<0.05	-	<0.01	-	10	-	<0.01	-	<0.05	-	34	0.1	-	<0.001	0.18	-	570	<0.01	-	1,600	<0.05	-	0.2	-	5,800	930	8.2	-
GW11-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.002	-	-	-	0.002	-	-	6.4	-	-	-	-	0.003	25	-	-	28	-	-	-	0.015	220	<10	0.03	-
GW1-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	0.005	-	-	1,100	-	-	-	-	0.052	30	-	-	6,000	-	-	-	0.23	160	<10	0.15	-
GW12-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	<0.5	-	-	-	-	0.003	1	-	-	4.8	-	-	-	0.028	<20	<10	<0.01	-
GW12-30	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.004	-	-	-	<0.001	-	-	1.7	-	-	-	-	0.005	2.1	-	-	11	-	-	-	0.082	<20	<10	0.05	-
GW13-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.004	-	-	-	0.001	-	-	1.3	-	-	-	-	0.007	8.2	-	-	34	-	-	-	0.24	<20	<10	<0.01	-
GW15-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.013	-	-	-	0.005	-	-	49	-	-	-	-	0.019	7.5	-	-	400	-	-	-	0.049	<20	<10	<0.01	-
GW17-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	200	-	-	-	-	0.1	13	-	-	1,800	-	-	-	0.49	25	<10	0.04	-
GW17-30	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.002	-	-	-	<0.001	-	-	9.1	-	-	-	-	0.003	4	-	-	150	-	-	-	<0.005	<20	77	<0.01	-
GW18-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.002	-	-	-	<0.001	-	-	20	-	-	-	-	0.001	16	-	-	170	-	-	-	<0.005	170	<10	0.07	-
GW2-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	410	-	-	-	-	0.051	32	-	-	3,800	-	-	-	0.27	620	<10	0.43	-
GW3-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	8.3	-	-	-	-	0.005	2.3	-	-	90	-	-	-	0.053	<20	<10	0.05	-
GW4-30	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	10	-	-	-	-	0.004	4.4	-	-	170	-	-	-	0.017	<20	<10	0.05	-
GW5-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.002	-	-	-	0.001	-	-	20	-	-	-	-	0.003	19	-	-	550	-	-	-	0.011	95	<10	0.07	-
GW7-12	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	66	-	-	-	-	0.005	40	-	-	1,400	-	-	-	0.035	150	<10	0.09	-
GW7-3	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.003	-	-	-	<0.001	-	-	200	-	-	-	-	0.008	81	-	-	2,100	-	-	-	0.028	76	<10	0.01	-
WW6	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.001	-	-	-	0.002	-	-	1,700	-	-	-	-	0.72	220	-	-	12,000	-	-	-	0.29	23	<10	0.43	-
WW9	**Groundwater**	**11 Aug 2022**	**913607**	-	-	-	-	0.003	-	-	-	<0.001	-	-	110	-	-	-	-	0.054	21	-	-	970	-	-	-	0.15	<20	<10	0.02	-
GW16-12	**Groundwater**	**12 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	0.5	-	-	-	-	<0.001	<0.5	-	-	46	-	-	-	0.007	37	<10	<0.01	-
GW16-30	**Groundwater**	**12 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	1.9	-	-	-	-	0.003	4.7	-	-	34	-	-	-	0.013	51	<10	0.02	-
GW8-12	**Groundwater**	**12 Aug 2022**	**913607**	-	-	-	-	<0.001	-	-	-	<0.001	-	-	2,300	-	-	-	-	0.013	440	-	-	16,000	-	-	-	0.055	240	<10	0.01	-
GW8-3	**Groundwater**	**12 Aug 2022**	**913607**	-	-	-	-	0.006	-	-	-	<0.001	-	-	470	-	-	-	-	0.006	95	-	-	3,800	-	-	-	0.11	<20	<10	0.04	-
SW12	**Surface Water**	**12 Aug 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**12 Aug 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	**Surface Water**	**12 Aug 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**08 Sep 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**08 Sep 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	**Surface Water**	**08 Sep 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**05 Oct 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**05 Oct 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	**Surface Water**	**05 Oct 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	**Surface Water**	**05 Oct 2022**	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	**Leachate**	**08 Nov 2022**	**938841**	-	0.058	-	0.028	-	5.1	-	0.015	-	0.17	-	74	0.18	-	-	0.26	-	770	<0.01	-	2,000	0.23	-	0.5	-	6,300	200	12	8,000
LP02	**Leachate**	**08 Nov 2022**	**938841**	-	0.054	-	0.028	-	4.7	-	0.014	-	0.17	-	78	0.17	-	-	0.2	-	760	<0.01	-	1,900	0.22	-	0.47	-	6,600	<10	12	8,500
GW11-12	**Groundwater**	**08 Nov 2022**	**938841**	-	0.008	0.007	0.013	<0.001	37	33	0.016	<0.001	0.008	0.008	4.2	0.26	0.24	-	0.008	0.005	19	0.001	<0.001	21	0.014	<0.005	0.076	0.007	36	<10	0.02	-
GW12-12	**Groundwater**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	0.005	0.002	0.11	<0.05	<0.001	<0.001	<0.005	<0.005	<0.5	0.012	0.011	-	<0.001	<0.001	2.7	<0.001	<0.001	8	0.006	<0.005	0.024	0.012	<20	<10	0.17	-
GW12-30	**Groundwater**	**08 Nov 2022**	**938841**	-	0.001	0.001	0.002	0.002	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	0.6	0.014	0.014	-	0.002	0.002	1.1	<0.001	<0.001	2.8	0.005	<0.005	0.019	0.015	<20	<10	0.05	-
GW13-12	**Groundwater**	**08 Nov 2022**	**938841**	-	0.002	0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.005	<0.005	1.4	0.11	0.11	-	0.003	0.003	10	<0.001	<0.001	42	0.005	<0.005	0.014	0.011	59	<10	0.02	-
GW16-12	**Groundwater**	**08 Nov 2022**	**938841**	-	0.002	0.001	0.001	0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	1.4	0.023	0.021	-	0.001	0.001	<0.5	0.002	<0.001	52	<0.005	<0.005	0.009	0.013	<20	<10	0.03	130
GW16-3	**Groundwater**	**08 Nov 2022**	**938841**	-	0.002	0.002	0.005	0.003	2.2	<0.05	0.003	<0.001	<0.005	<0.005	4	0.028	0.026	-	0.003	0.002	9.2	0.002	<0.001	85	0.015	<0.005	0.026	0.022	88	<10	<0.01	240
GW16-30	**Groundwater**	**08 Nov 2022**	**938841**	-	0.001	0.001	0.001	0.002	<0.05	<0.05	<0.001	<0.001	0.005	<0.005	2.7	0.013	0.015	-	0.003	0.003	4.1	<0.001	<0.001	29	0.007	<0.005	0.016	0.02	<20	<10	0.13	81
GW17-12	**Groundwater**	**08 Nov 2022**	**938841**	-	0.009	0.006	0.004	<0.001	3.6	<0.05	0.003	<0.001	0.13	0.12	190	0.17	0.15	-	0.1	0.091	17	<0.001	<0.001	1,900	0.013	<0.005	0.49	0.44	23	<10	0.05	5,500
GW17-30	**Groundwater**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	0.002	0.002	<0.05	<0.05	<0.001	<0.001	0.046	0.043	1.1	<0.005	<0.005	-	<0.001	<0.001	9	0.001	0.001	390	<0.005	<0.005	<0.005	<0.005	<20	84	0.02	1,900
GW18-12	**Groundwater**	**08 Nov 2022**	**938841**	-	0.002	<0.001	0.004	<0.001	2.9	<0.05	0.005	<0.001	0.067	0.094	320	0.045	0.023	-	0.011	0.012	23	<0.001	<0.001	2,500	0.013	<0.005	0.074	0.081	89	<10	0.04	3,700
GW3-12	**Groundwater**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	0.001	0.002	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	4.9	0.031	0.03	-	0.007	0.007	2.5	<0.001	<0.001	64	0.008	<0.005	0.041	0.038	<20	<10	0.02	-
GW4-30	**Groundwater**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	0.016	0.017	10	<0.005	<0.005	-	0.003	0.003	4.7	<0.001	<0.001	170	0.008	<0.005	0.016	0.015	<20	<10	0.07	-
GW5-12	**Groundwater**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	0.011	0.01	21	<0.005	<0.005	-	0.001	<0.001	20	0.007	<0.001	490	0.009	<0.005	0.018	0.007	98	<10	0.07	-
GW7-12	**Groundwater**	**08 Nov 2022**	**938841**	-	0.004	0.004	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	0.025	0.024	63	0.17	0.17	-	0.005	0.005	39	0.001	<0.001	1,300	0.008	0.005	0.036	0.026	150	<10	0.09	-
GW7-3	**Groundwater**	**08 Nov 2022**	**938841**	-	0.004	0.003	0.005	0.004	0.98	0.09	0.003	<0.001	0.005	<0.005	18	0.31	0.28	-	0.005	0.004	45	0.002	0.003	120	0.01	<0.005	0.033	0.025	140	<10	0.03	-
GW8-12	**Groundwater**	**08 Nov 2022**	**938841**	-	0.029	0.028	0.002	0.002	<0.05	<0.05	<0.001	<0.001	0.043	0.041	2,100	0.38	0.36	-	0.019	0.018	380	<0.001	<0.001	16,000	<0.005	<0.005	0.07	0.065	270	<10	0.03	-
GW8-3	**Groundwater**	**08 Nov 2022**	**938841**	-	0.008	0.003	0.006	0.005	0.08	<0.05	<0.001	<0.001	0.015	0.007	120	0.092	0.18	-	0.007	0.004	66	0.002	0.001	920	<0.005	<0.005	0.17	0.063	62	<10	0.09	-
WW6	**Groundwater**	**08 Nov 2022**	**938841**	-	1.2	1.2	0.002	0.003	0.1	<0.05	0.004	0.004	0.75	0.74	1,600	50	49	-	0.82	0.83	210	<0.001	<0.001	12,000	<0.005	<0.005	0.74	0.74	20	<10	0.14	-
WW9	**Groundwater**	**08 Nov 2022**	**938841**	-	0.045	0.049	0.003	0.003	<0.05	<0.05	<0.001	<0.001	0.038	0.038	110	1.1	1.2	-	0.036	0.038	15	<0.001	<0.001	780	<0.005	<0.005	0.096	0.096	<20	<10	0.03	-
GWILP	**Surface Water**	**08 Nov 2022**	**938841**	-	0.004	-	0.002	-	8.2	-	<0.001	-	<0.005	-	15	0.07	-	-	0.012	-	73	0.002	-	240	0.018	-	0.033	-	670	<10	0.12	1,200
GWILPS	**Surface Water**	**08 Nov 2022**	**938841**	-	0.006	-	0.001	-	11	-	<0.001	-	<0.005	-	10	0.073	-	-	0.015	-	100	0.002	-	320	0.024	-	0.031	-	910	<10	0.18	1,600
SW12	**Surface Water**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	<0.001	<0.001	0.11	<0.05	<0.001	<0.001	<0.005	<0.005	16	0.013	<0.005	-	<0.001	<0.001	11	<0.001	<0.001	110	<0.005	<0.005	0.005	<0.005	24	<10	<0.01	-
SW13	**Surface Water**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	0.002	<0.001	3.5	<0.05	0.002	<0.001	<0.005	<0.005	18	0.033	0.008	-	<0.001	<0.001	8.5	<0.001	<0.001	110	0.016	<0.005	<0.005	<0.005	<20	<10	<0.01	-
SW14	**Surface Water**	**08 Nov 2022**	**938841**	-	<0.001	<0.001	0.002	0.001	0.24	<0.05	<0.001	<0.001	<0.005	<0.005	14	<0.005	<0.005	-	<0.001	0.002	12	<0.001	<0.001	94	0.007	<0.005	0.007	<0.005	88	<10	0.01	-
GW Sump	**Surface Water**	**08 Dec 2022**	**948478**	-	0.002	-	0.011	-	15	-	0.009	-	<0.005	-	26	0.26	-	-	0.004	-	140	0.002	-	59	0.034	-	0.051	-	<20	<10	1.5	-
SW12	**Surface Water**	**08 Dec 2022**	**948478**	-	<0.001	<0.001	<0.001	<0.001	1.7	0.08	0.001	<0.001	<0.005	<0.005	8.9	0.092	0.029	-	<0.001	<0.001	6.8	0.001	<0.001	47	0.009	<0.005	0.007	<0.005	45	<10	0.01	-
SW13	**Surface Water**	**08 Dec 2022**	**948478**	-	<0.001	<0.001	<0.001	<0.001	0.15	<0.05	<0.001	<0.001	<0.005	<0.005	23	0.09	0.077	-	<0.001	<0.001	8.3	0.001	0.001	160	<0.005	<0.005	<0.005	<0.005	30	<10	0.01	-
SW14	**Surface Water**	**08 Dec 2022**	**948478**	-	<0.001	-	0.002	-	2	-	0.002	-	<0.005	-	3.4	0.029	-	-	<0.001	-	4	<0.001	-	20	<0.005	-	0.007	-	38	<10	0.2	-
SWStg5	**Surface Water**	**08 Dec 2022**	**948478**	-	0.005	0.005	0.008	0.006	0.38	0.23	<0.001	<0.001	<0.005	<0.005	13	0.26	0.11	-	0.017	0.016	120	0.003	0.003	290	0.01	0.007	0.007	0.006	180	11	<0.01	-
GW Sump	**Surface Water**	**05 Jan 2023**	**953837**	-	0.002	-	0.011	-	5.8	-	0.006	-	<0.005	-	22	0.17	-	-	0.003	-	90	0.002	-	39	0.019	-	0.073	-	380	<10	5.4	-
SW12	**Surface Water**	**05 Jan 2023**	**953837**	-	0.003	-	0.002	-	4.4	-	0.003	-	<0.005	-	6.6	0.22	-	-	0.002	-	3	<0.001	-	37	0.01	-	0.006	-	35	<10	0.02	-
SW13	**Surface Water**	**05 Jan 2023**	**953837**	-	0.001	0.001	<0.001	<0.001	1.2	<0.05	<0.001	<0.001	<0.005	<0.005	15	0.16	0.15	-	0.001	0.001	6.1	0.001	0.001	93	<0.005	<0.005	0.008	<0.005	47	<10	0.03	-
SW14	**Surface Water**	**05 Jan 2023**	**953837**	-	0.002	<0.001	0.002	<0.001	6.3	<0.05	0.005	<0.001	<0.005	<0.005	2.7	0.067	0.01	-	0.002	<0.001	1.3	<0.001	<0.001	20	0.022	<0.005	0.012	<0.005	140	<10	0.01	-
SW15	**Surface Water**	**05 Jan 2023**	**953837**	-	0.005	0.003	0.002	0.002	0.07	<0.05	<0.001	<0.001	0.009	0.008	8.8	0.099	0.098	-	0.005	0.004	1.8	<0.001	<0.001	67	<0.005	<0.005	0.02	0.018	<20	<10	0.01	-
SW16	**Surface Water**	**05 Jan 2023**	**953837**	-	<0.001	<0.001	0.002	0.002	0.15	<0.05	<0.001	<0.001	<0.005	<0.005	9.8	0.095	0.092	-	0.002	0.002	7.6	<0.001	<0.001	54	0.007	<0.005	0.064	0.062	370	<10	0.02	-
SWStg1&2	**Surface Water**	**05 Jan 2023**	**953837**	-	0.001	0.001	<0.001	<0.001	1.5	0.84	<0.001	<0.001	<0.005	<0.005	7.9	0.51	0.47	-	0.001	0.001	9.3	<0.001	<0.001	33	<0.005	<0.005	0.007	0.005	170	<10	0.06	-
SWStg5	**Surface Water**	**05 Jan 2023**	**953837**	-	<0.001	<0.001	<0.001	<0.001	0.31	0.16	<0.001	<0.001	<0.005	<0.005	3.4	0.055	0.055	-	<0.001	<0.001	2.8	<0.001	<0.001	30	<0.005	<0.005	0.009	<0.005	170	<10	0.11	-
DW3	**Leachate**	**27 Jan 2023**	**958820**	-	0.046	0.035	0.058	<0.01	100	11	0.035	<0.01	0.08	0.063	33	0.43	0.12	-	0.18	0.14	520	<0.01	<0.01	1,400	0.16	0.098	2.1	0.041	4,800	<10	6	-

				Metals																							Inorganics			
				Chromium (Trivalent) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Lithium	Lithium (filtered)	Magnesium	Manganese	Manganese (filtered)	Mercury	Nickel	Nickel (filtered)	Potassium	Selenium	Selenium (filtered)	Sodium	Vanadium	Vanadium (filtered)	Zinc	Zinc (filtered)	Alkalinity (Bicarbonate as CaCO3)	Carbonate Alkalinity (as CaCO3)	Reactive Phosphorus as P (Orthophosphate as P)	Total Dissolved Solids (Calc.)
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	MG/L	mg/L	mg/L
EQL				0.005	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.005	0.005	0.5	0.005	0.005	0.0001	0.001	0.001	0.5	0.001	0.001	0.5	0.005	0.005	0.005	0.005	20	10	0.01	10
ANZG (2018) Marine water 90% toxicant DGVs				0.0486	0.014	0.014	0.003	0.003			0.0066	0.0066						0.0007	0.2	0.2					0.16	0.16	0.023	0.023				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														0.01	
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	**Matrix**	**Date**	**Lab Report**																												
LMP02	**Leachate**	**27 Jan 2023**	**958820**	-	<0.01	<0.01	<0.01	<0.01	13	5.8	<0.01	<0.01	<0.05	<0.05	15	0.17	0.15	-	0.02	0.016	89	<0.01	<0.01	190	<0.05	<0.05	<0.05	<0.05	1,100	<10	0.04	-
LP01	**Leachate**	**27 Jan 2023**	**958820**	-	0.058	0.058	0.028	<0.01	4.6	3.7	0.015	<0.01	0.18	0.18	74	0.2	0.16	-	0.23	0.22	750	<0.01	<0.01	1,800	0.26	0.25	0.5	0.21	5,000	320	16	-
LP02	**Leachate**	**27 Jan 2023**	**958820**	-	0.058	0.055	0.031	0.011	4.6	3.7	0.018	0.01	0.19	0.18	74	0.19	0.16	-	0.23	0.21	750	<0.01	<0.01	1,800	0.25	0.25	0.52	0.32	24,000	280	16	-
TC Sump	**Leachate**	**27 Jan 2023**	**958820**	-	0.046	0.048	0.029	0.021	12	13	0.023	0.024	<0.05	<0.05	38	0.2	0.2	-	0.15	0.16	520	<0.01	<0.01	1,400	<0.05	0.05	0.24	0.32	6,800	<10	0.87	-
GW1-3	**Groundwater**	**27 Jan 2023**	**958820**	-	0.003	0.003	<0.001	<0.001	<0.05	<0.05	0.001	0.001	0.012	0.012	14	0.098	0.086	-	0.005	0.005	<0.5	<0.001	<0.001	160	<0.005	<0.005	0.025	0.021	49	<10	0.02	-
GW1-12	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.009	0.008	<0.05	<0.05	<0.001	<0.001	0.13	0.12	<1	<0.005	<0.005	-	0.002	0.002	26	0.001	0.001	660	0.012	0.011	0.01	<0.005	<20	49	0.02	-
GW3-3	**Groundwater**	**27 Jan 2023**	**958820**	-	0.002	0.002	<0.001	<0.001	0.64	<0.05	0.002	<0.001	<0.005	<0.005	2.6	0.034	0.033	-	0.005	0.004	1.1	<0.001	<0.001	46	<0.005	<0.005	0.017	0.016	<20	<10	0.06	-
GW3-12	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.002	0.002	<0.05	<0.05	0.001	<0.001	<0.005	<0.005	4.1	0.032	0.031	-	0.005	0.005	2.4	<0.001	<0.001	83	<0.005	<0.005	0.081	0.046	50	<10	0.1	-
GW8-3	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.007	0.006	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	74	0.011	0.008	-	0.004	0.004	45	<0.001	<0.001	700	<0.005	<0.005	0.054	0.043	210	<10	0.03	-
GW8-12	**Groundwater**	**27 Jan 2023**	**958820**	-	0.029	0.028	0.003	0.002	<0.05	<0.05	<0.001	<0.001	0.035	0.031	2,600	0.39	0.38	-	0.018	0.017	460	<0.001	<0.001	15,000	<0.005	<0.005	0.077	0.072	410	<10	0.03	-
GW9-12	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.002	0.001	<0.05	<0.05	0.001	<0.001	<0.005	<0.005	<0.5	<0.005	<0.005	-	0.001	<0.001	<0.5	<0.001	<0.001	3.3	<0.005	<0.005	0.011	0.011	<20	<10	0.02	-
GW10-3	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	0.6	<0.005	<0.005	-	0.001	<0.001	<0.5	<0.001	<0.001	4.6	<0.005	<0.005	0.006	0.005	<20	<10	0.03	-
GW10-12	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.004	0.003	0.14	<0.05	<0.001	<0.001	<0.005	<0.005	1	0.007	0.007	-	0.002	0.002	<0.5	<0.001	<0.001	6.8	<0.005	<0.005	0.024	0.023	<20	<10	0.02	-
GW11-3	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	1.2	0.01	0.01	-	<0.001	<0.001	0.9	<0.001	<0.001	8	<0.005	<0.005	<0.005	<0.005	<20	<10	0.02	-
GW11-12	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	<0.001	<0.001	0.05	<0.05	<0.001	<0.001	<0.005	<0.005	0.9	0.011	0.01	-	<0.001	<0.001	4.1	<0.001	<0.001	9.2	<0.005	<0.005	<0.005	<0.005	62	<10	0.03	-
GW12-3	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.004	0.004	1.6	0.16	<0.001	<0.001	<0.005	<0.005	28	0.014	0.012	-	0.002	0.001	130	0.002	0.002	77	<0.005	<0.005	0.011	0.011	110	<10	0.02	-
GW12-12	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.001	0.001	<0.05	<0.05	<0.001	<0.001	0.006	0.005	<0.5	0.016	0.015	-	0.001	0.001	2.4	<0.001	<0.001	8	<0.005	<0.005	0.044	0.042	<20	<10	0.17	-
GW12-30	**Groundwater**	**27 Jan 2023**	**958820**	-	0.001	0.001	0.003	0.001	0.07	<0.05	<0.001	<0.001	0.015	0.014	0.5	0.014	0.013	-	0.001	0.001	7.9	<0.001	<0.001	5.8	<0.005	<0.005	0.015	0.012	55	<10	0.03	-
GW13-3	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	<0.001	<0.001	33	31	<0.001	<0.001	<0.005	<0.005	6.9	0.22	0.24	-	0.005	0.006	12	<0.001	<0.001	51	<0.005	<0.005	0.011	0.008	56	<10	<0.01	-
GW13-12	**Groundwater**	**27 Jan 2023**	**958820**	-	0.001	0.001	0.001	<0.001	15	13	<0.001	<0.001	<0.005	<0.005	1.3	0.1	0.1	-	0.003	0.003	11	<0.001	<0.001	44	<0.005	<0.005	0.018	0.012	38	<10	0.01	-
GW14-3	**Groundwater**	**27 Jan 2023**	**958820**	-	0.018	0.018	0.002	0.002	1.7	<0.05	<0.001	<0.001	0.019	0.012	71	1.1	1.1	-	0.023	0.026	19	<0.001	<0.001	580	<0.005	<0.005	0.051	0.049	<20	<10	0.02	-
GW14-12	**Groundwater**	**27 Jan 2023**	**958820**	-	0.076	0.065	0.008	0.005	0.07	<0.05	<0.001	<0.001	0.65	0.61	200	2.9	2.6	-	0.051	0.046	97	<0.001	<0.001	2,300	0.024	0.021	0.12	0.1	77	<10	0.15	-
GW15-3	**Groundwater**	**27 Jan 2023**	**958820**	-	0.013	0.011	0.002	0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	14	0.11	0.1	-	0.004	0.003	6	<0.001	<0.001	30	<0.005	<0.005	0.018	0.017	<20	<10	0.01	-
GW15-12	**Groundwater**	**27 Jan 2023**	**958820**	-	0.008	0.008	0.021	0.021	<0.05	<0.05	0.003	0.002	0.012	0.01	42	0.26	0.24	-	0.013	0.013	8.9	<0.001	<0.001	380	<0.005	<0.005	0.048	0.047	<20	<10	0.02	-
GW16-3	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.002	<0.001	0.37	<0.05	<0.001	<0.001	<0.005	<0.005	9.4	0.024	0.023	-	<0.001	<0.001	11	<0.001	<0.001	120	<0.005	<0.005	0.014	0.012	<20	<10	0.01	-
GW16-12	**Groundwater**	**27 Jan 2023**	**958820**	-	0.002	0.002	0.001	0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	1	0.025	0.025	-	0.001	0.001	0.6	<0.001	<0.001	51	<0.005	<0.005	0.012	0.011	<20	<10	0.02	-
GW16-30	**Groundwater**	**27 Jan 2023**	**958820**	-	0.001	0.001	0.003	<0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	1.1	0.011	0.011	-	0.003	0.003	3.6	<0.001	<0.001	21	<0.005	<0.005	0.012	0.012	<20	<10	0.02	-
GW17-3	**Groundwater**	**27 Jan 2023**	**958820**	-	0.006	0.006	0.002	0.002	0.2	<0.05	0.007	0.006	0.1	0.089	330	0.19	0.17	-	0.071	0.065	18	<0.001	<0.001	2,500	<0.005	<0.005	0.31	0.29	<20	<10	0.03	-
GW17-12	**Groundwater**	**27 Jan 2023**	**958820**	-	0.004	0.003	0.003	0.001	0.05	<0.05	0.003	0.002	0.11	0.11	170	0.13	0.13	-	0.085	0.081	15	<0.001	<0.001	1,700	<0.005	<0.005	0.44	0.42	<20	<10	0.04	-
GW17-30	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.002	0.002	<0.05	<0.05	0.005	0.004	0.02	0.012	<0.5	<0.005	<0.005	-	<0.001	<0.001	4.4	<0.001	<0.001	180	<0.005	<0.005	<0.005	<0.005	<20	120	0.05	-
GW18-3	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.002	0.003	0.11	<0.05	<0.001	<0.001	0.018	0.017	10	<0.005	<0.005	-	0.002	0.002	1	0.002	<0.001	160	<0.005	<0.005	0.007	<0.005	52	<10	0.02	-
GW18-12	**Groundwater**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.006	0.002	0.43	<0.05	0.002	<0.001	0.008	<0.005	3.1	0.018	<0.005	-	0.002	<0.001	6.9	<0.001	<0.001	89	0.009	<0.005	0.012	<0.005	130	<10	0.03	-
GW20	**Groundwater**	**27 Jan 2023**	**958820**	-	0.002	0.002	0.003	0.002	1	0.15	<0.001	<0.001	<0.005	<0.005	3.8	0.26	0.24	-	0.002	0.002	8.6	<0.001	<0.001	27	<0.005	<0.005	0.022	0.01	81	<10	0.06	-
WW6	**Groundwater**	**27 Jan 2023**	**958820**	-	1.1	0.69	0.005	0.007	<0.05	<0.05	0.003	0.001	0.64	0.45	990	44	25	-	0.75	0.48	130	<0.001	0.001	6,000	<0.005	<0.005	0.9	0.75	920	<10	0.19	-
WW13	**Groundwater**	**27 Jan 2023**	**958820**	-	0.008	0.006	0.005	<0.001	2.4	<0.05	0.031	0.009	0.038	0.035	18	0.13	0.087	-	0.036	0.03	2.4	<0.001	<0.001	200	<0.005	<0.005	0.12	0.096	<20	<10	0.16	-
GW Sump	**Surface Water**	**27 Jan 2023**	**958820**	-	0.002	<0.001	0.022	0.009	10	0.29	0.015	<0.001	<0.005	<0.005	12	0.14	0.15	-	0.004	0.002	62	0.003	0.001	28	0.06	0.015	0.092	0.01	120	<10	0.43	-
SW12	**Surface Water**	**27 Jan 2023**	**958820**	-	0.003	<0.001	0.003	<0.001	6.1	<0.05	0.006	<0.001	<0.005	<0.005	7	0.15	0.017	-	0.003	<0.001	5.7	<0.001	<0.001	60	0.02	<0.005	0.016	<0.005	20	<10	<0.01	-
SW13	**Surface Water**	**27 Jan 2023**	**958820**	-	0.002	<0.001	0.003	<0.001	4.5	<0.05	0.004	<0.001	<0.005	<0.005	7.2	0.1	0.005	-	0.002	<0.001	5.7	<0.001	<0.001	61	0.015	<0.005	0.005	<0.005	23	<10	<0.01	-
SW15	**Surface Water**	**27 Jan 2023**	**958820**	-	<0.001	<0.001	0.002	0.001	0.09	<0.05	<0.001	<0.001	<0.005	<0.005	8.4	0.028	0.027	-	<0.001	0.002	9.6	<0.001	0.001	67	<0.005	<0.005	<0.005	<0.005	27	<10	<0.01	-
SWStg1&2	**Surface Water**	**27 Jan 2023**	**958820**	-	0.001	0.001	0.002	0.002	1.3	0.29	<0.001	<0.001	<0.005	<0.005	3.5	0.27	0.26	-	0.001	0.001	7.1	<0.001	<0.001	19	<0.005	<0.005	0.008	<0.005	110	<10	0.01	-
SWStg5	**Surface Water**	**27 Jan 2023**	**958820**	-	0.002	0.002	0.002	0.002	0.11	<0.05	<0.001	<0.001	0.016	0.015	19	0.067	0.062	-	0.004	0.004	3.7	<0.001	<0.001	160	<0.005	<0.005	0.015	0.013	<20	<10	0.02	-
LTP Wetland	**Leachate**	**03 Mar 2023**	**968801**	-	0.029	-	0.016	-	2.4	-	<0.001	-	0.032	-	21	2.8	-	-	0.061	-	320	0.001	-	780	0.06	-	0.033	-	820	<10	0.75	-
GW SUMP	**Surface Water**	**03 Mar 2023**	**968801**	-	0.001	-	0.008	-	4	-	0.004	-	<0.005	-	21	0.17	-	-	0.003	-	100	<0.001	-	43	0.017	-	0.03	-	170	<10	1.5	-
SW12	**Surface Water**	**03 Mar 2023**	**968801**	-	0.005	0.003	0.003	0.002	0.6	0.16	0.002	<0.001	<0.005	<0.005	10	0.22	0.18	-	0.005	0.003	16	<0.001	<0.001	91	0.009	<0.005	0.008	<0.005	140	<10	0.04	-
SW13	**Surface Water**	**03 Mar 2023**	**968801**	-	0.001	<0.001	0.003	0.002	1.2	0.1	0.002	<0.001	<0.005	<0.005	17	0.075	0.071	-	0.001	<0.001	7.3	<0.001	<0.001	120	0.007	<0.005	0.008	<0.005	70	<10	0.02	-
SW15	**Surface Water**	**03 Mar 2023**	**968801**	-	<0.001	<0.001	0.002	0.002	0.14	<0.05	<0.001	<0.001	0.007	0.007	9.4	0.037	0.03	-	0.003	0.003	3	<0.001	<0.001	72	<0.005	<0.005	0.017	0.015	<20	<10	0.25	-
SWStg1&2	**Surface Water**	**03 Mar 2023**	**968801**	-	0.001	0.001	0.001	<0.001	1.3	0.29	0.001	<0.001	<0.005	<0.005	8.2	0.28	0.28	-	0.004	0.003	15	<0.001	<0.001	57	<0.005	<0.005	0.01	0.006	160	<10	0.03	-
SWStg5	**Surface Water**	**03 Mar 2023**	**968801**	-	<0.001	<0.001	0.003	0.001	0.13	0.07	<0.001	<0.001	<0.005	<0.005	3.2	0.021	0.016	-	<0.001	<0.001	4.6	<0.001	<0.001	37	<0.005	<0.005	0.007	<0.005	<20	<10	0.02	-
GW SUMP	**Surface Water**	**05 Apr 2023**	**978461**	-	<0.001	-	0.005	-	4.5	-	0.003	-	<0.005	-	12	0.14	-	-	0.002	-	66	0.001	-	29	0.018	-	0.03	-	140	<10	0.26	-
LTP WETLAND	**Leachate**	**05 Apr 2023**	**978461**	-	0.052	-	<0.01	-	4.3	-	<0.01	-	0.095	-	63	0.44	-	-	0.15	-	920	<0.01	-	2,100	0.094	-	0.094	-	1,800	<10	10	-
SW12	**Surface Water**	**05 Apr 2023**	**978461**	-	0.002	0.002	0.001	<0.001	0.15	<0.05	<0.001	<0.001	<0.005	<0.005	23	0.65	0.57	-	0.001	0.001	9.1	<0.001	<0.001	200	<0.005	<0.005	<0.005	<0.005	45	<10	<0.01	-
SW13	**Surface Water**	**05 Apr 2023**	**978461**	-	<0.001	<0.001	0.003	0.003	0.36	<0.05	<0.001	<0.001	<0.005	<0.005	47	0.13	0.11	-	0.005	0.005	15	<0.001	<0.001	420	<0.005	<0.005	0.005	<0.005	52	<10	<0.01	-
SWStg1&2	**Surface Water**	**05 Apr 2023**	**978461**	-	<0.001	<0.001	0.001	0.001	0.99	0.12	<0.001	<0.001	<0.005	<0.005	7.5	0.066	0.038	-	0.002	0.002	19	0.007	<0.001	50	<0.005	<0.005	0.006	<0.005	150	<10	<0.01	-
LP02	**Leachate**	**10 May 2023**	**988289**	-	0.051	-	0.031	-	8.1	-	<0.01	-	0.11	-	38	0.2	-	-	0.2	-	750	<0.01	-	1,800	0.19	-	0.26	-	5,100	<10	8.5	-
GW1-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.007	0.007	<0.001	<0.001	<0.05	<0.05	0.002	0.002	0.019	0.013	18	0.14	0.15	-	0.012	0.013	1.1	<0.001	<0.001	160	<0.005	<0.005	0.047	0.042	<20	<10	<0.01	-
GW1-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	0.002	0.002	0.041	0.036	<0.5	<0.005	<0.005	-	0.001	<0.001	4.5	<0.001	<0.001	210	<0.005	<0.005	<0.005	<0.005	<20	250	<0.01	-
GW2-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.021	0.014	<0.001	<0.001	92	0.82	0.013	<0.001	<0.005	<0.005	50	0.54	0.57	-	0.019	0.007	11	0.003	<0.001	550	0.053	<0.005	0.032	0.006	47	<10	0.02	-
GW2-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	0.63	<0.05	<0.001	<0.001	0.067	0.052	470	0.017	0.015	-	0.06	0.054	36	<0.001	<0.001	4,300	<0.005	<0.005	0.38	0.36	40	<10	0.24	-
GW3-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.002	0.002	<0.001	<0.001	0.1	<0.05	<0.001	<0.001	<0.005	<0.005	5.1	0.031	0.03	-	0.005	0.004	1.3	<0.001	<0.001	65	<0.005	<0.005	0.014	0.013	<20	<10	0.02	-
GW3-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	4.5	0.023	0.022	-	0.005	0.004	2.8	<0.001	<0.001	57	<0.005	<0.005	0.056	0.055	<20	<10	0.02	-
GW4-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.007	0.005	<0.001	<0.001	2.5	0.37	0.002	0.001	<0.005	<0.005	30	0.063	0.061	-	0.028	0.028	6.2	<0.001	<0.001	420	0.005	<0.005	0.074	0.073	<20	<10	0.02	-
GW4-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	0.001	0.001	0.028	0.024	<0.5	<0.005	<0.005	-	<0.001	<0.001	11	<0.001	<0.001	370	<0.005	<0.005	<0.005	<0.005	<20	94	0.01	-
GW4-30	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	0.025	0.025	21	0.017	0.015	-	0.007	0.007	9.2	0.002	<0.001	310	<0.005	<0.005	0.026	0.024	20	<10	0.04	-
GW5-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.002	<0.001	<0.001	<0.001	0.94	<0.05	0.003	<0.001	0.006	0.006	17	0.035	<0.005	-	0.005	0.003	17	<0.001	<0.001	480	<0.005	<0.005	0.029	0.016	84	<10	0.02	-
GW5-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	0.011	0.01	45	<0.005	<0.005	-	0.002	0.002	28	<0.001	<0.001	820	<0.005	<0.005	0.013	0.011	95	<10	0.08	-
GW7-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	0.014	0.012	250	<0.005	<0.005	-	0.006	0.006	79	<0.001	<0.001	2,100	<0.005	<0.005	0.022	0.021	100	<10	0.02	-
GW7-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.003	0.003	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	0.021	0.02	72	0.16	0.15	-	0.006	0.006	42	<0.001	<0.001	1,500	<0.005	<0.005	0.035	0.035	130	<10	0.05	-
GW8-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.003	0.002	<0.001	<0.001	6.4	0.15	<0.001	<0.001	<0.005	<0.005	32	0.089	0.081	-	0.008	0.008	47	0.001	<0.001	310	<0.005	<0.005	0.03	0.025	340	<10	0.03	-
GW8-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.029	0.029	0.002	0.001	<0.05	<0.05	<0.001	<0.001	0.03	0.025	2,100	0.32	0.31	-	0.073	0.07	370	<0.001	<0.001	18,000	<0.005	<0.005	0.062	0.06	230	<10	0.03	-
GW9-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	0.13	<0.05	<0.001	<0.001	0.023	0.022	9.7	0.008	0.012	-	0.002	0.001	10	0.001	0.001	89	<0.005	<0.005	0.02	0.012	<20	<10	0.15	-
GW10-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	1	0.005	0.005	-	<0.001	<0.001	<0.5	<0.001	<0.001	7.6	<0.005	<0.005	0.016	0.011	<20	<10	<0.01	-
GW11-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	0.55	<0.05	<0.001	<0.001	<0.005	<0.005	1.1	0.034	<0.005	-	0.001	0.001	5.3	<0.001	<0.001	9	<0.005	<0.005	0.017	0.006	67	<10	<0.01	-
GW12-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	99	0.19	0.004	<0.001	<0.005	<0.005	29	0.048	0.029	-	0.003	0.002	120	0.005	0.001	77	0.064	<0.005	0.03	0.011	92	<10	<0.01	-
GW12-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	0.08	<0.05	<0.001	<0.001	<0.005	<0.005	<0.5	0.016	0.015	-	0.001	0.001	2.5	<0.001	<0.001	6.5	<0.005	<0.005	0.033	0.031	<20	<10	0.39	-
GW12-30	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.001	0.001	<0.001	<0.001	0.12	<0.05	<0.001	<0.001	0.016	0.015	0.7	0.012	0.012	-	0.002	0.001	5.4	<0.001	<0.001	3.7	<0.005	<0.005	0.025	0.018	<20	<10	<0.01	-

				Metals																								Inorganics			
				Chromium (Trivalent) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Lithium	Lithium (filtered)	Magnesium	Manganese	Manganese (filtered)	Mercury	Nickel	Nickel (filtered)	Potassium	Selenium	Selenium (filtered)	Sodium	Vanadium	Vanadium (filtered)	Zinc	Zinc (filtered)	Alkalinity (Bicarbonate as CaCO3)	Carbonate Alkalinity (as CaCO3)	Reactive Phosphorus as P (Orthophosphate as P)	Total Dissolved Solids (Calc.)
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	MG/L	mg/L	mg/L
EQL				0.005	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.005	0.005	0.5	0.005	0.005	0.0001	0.001	0.001	0.5	0.001	0.001	0.5	0.005	0.005	0.005	0.005	20	10	0.01	10
ANZG (2018) Marine water 90% toxicant DGVs				0.0486	0.014	0.014	0.003	0.003			0.0066	0.0066						0.0007	0.2	0.2					0.16	0.16	0.023	0.023				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														0.01	
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	**Matrix**	**Date**	**Lab Report**																												
GW13-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.002	0.002	<0.001	<0.001	13	12	<0.001	<0.001	<0.005	<0.005	1.3	0.13	0.12	-	0.004	0.004	9.6	<0.001	<0.001	41	<0.005	<0.005	0.009	0.007	30	<10	0.02	-
GW14-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.03	0.027	<0.001	<0.001	2.3	<0.05	<0.001	<0.001	0.037	0.025	100	1.3	1.1	-	0.033	0.032	26	<0.001	<0.001	940	<0.005	<0.005	0.084	0.083	<20	<10	<0.01	-
GW14-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.071	0.071	0.002	0.002	0.06	<0.05	<0.001	<0.001	0.36	0.35	190	2.4	2.3	-	0.041	0.04	89	<0.001	<0.001	2,400	0.018	0.01	0.083	0.082	67	<10	0.14	-
GW15-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	0.1	<0.05	<0.001	<0.001	<0.005	<0.005	7.3	0.026	0.026	-	0.002	0.002	12	<0.001	<0.001	110	<0.005	<0.005	0.007	0.006	21	<10	0.02	-
GW15-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.009	0.01	0.015	0.015	<0.05	<0.05	0.002	0.002	0.016	0.015	44	0.29	0.21	-	0.016	0.014	10	<0.001	<0.001	400	<0.005	<0.005	0.051	0.044	<20	<10	0.02	-
GW16-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.028	0.019	0.15	0.12	1.8	1.2	<0.01	<0.01	<0.05	<0.05	12	0.1	0.1	-	0.053	0.053	190	0.004	0.003	530	<0.05	<0.05	<0.05	<0.05	57	<10	0.51	-
GW16-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.002	0.002	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	<0.005	<0.005	1.1	0.023	0.022	-	0.002	0.001	0.6	<0.001	<0.001	55	<0.005	<0.005	0.009	0.007	<20	<10	0.03	-
GW16-30	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.002	0.001	<0.001	<0.001	0.1	<0.05	<0.001	<0.001	0.006	0.006	1.4	0.015	0.014	-	0.004	0.004	4.3	0.003	<0.001	29	<0.005	<0.005	0.019	0.017	<20	<10	0.02	-
GW17-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.01	0.01	<0.001	<0.001	0.1	<0.05	0.002	0.002	0.11	0.1	330	0.27	0.27	-	0.071	0.064	17	<0.001	<0.001	2,500	<0.005	<0.005	0.29	0.21	<20	<10	0.02	-
GW17-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.005	0.004	<0.001	<0.001	0.11	<0.05	0.002	<0.001	0.13	0.11	200	0.14	0.13	-	0.092	0.089	16	<0.001	<0.001	1,900	<0.005	<0.005	0.45	0.43	<20	<10	0.02	-
GW17-30	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	<0.05	<0.05	0.004	0.004	0.02	0.012	<0.5	<0.005	<0.005	-	<0.001	<0.001	5	<0.001	<0.001	200	<0.005	<0.005	<0.005	<0.005	<20	36	0.02	-
GW18-3	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.002	<0.001	<0.001	<0.001	1.2	<0.05	0.004	<0.001	0.032	0.027	12	0.024	<0.005	-	0.006	0.002	1.3	<0.001	<0.001	220	0.01	<0.005	0.015	0.007	110	<10	0.01	-
GW18-12	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	0.63	<0.05	0.002	<0.001	0.016	<0.005	2.1	0.026	<0.005	-	0.003	<0.001	4.4	<0.001	<0.001	15	0.016	<0.005	0.013	<0.005	40	<10	0.09	-
GW20	**Groundwater**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	2.5	2.5	<0.001	<0.001	<0.005	<0.005	2.9	0.05	0.042	-	0.003	<0.001	15	<0.001	<0.001	18	<0.005	<0.005	<0.005	<0.005	20	<10	<0.01	-
WW1	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.003	0.003	0.003	<0.001	0.06	<0.05	<0.001	<0.001	<0.005	<0.005	7.5	0.045	0.046	-	0.005	0.003	2.8	<0.001	<0.001	150	<0.005	<0.005	0.047	0.035	<20	<10	0.02	-
WW6	**Groundwater**	**10 May 2023**	**988289**	<0.005	1.2	0.02	<0.001	0.008	0.62	<0.05	0.004	<0.001	0.68	0.015	14	48	0.53	-	0.77	0.016	11	<0.001	<0.001	300	<0.005	<0.005	1.3	0.55	<20	<10	0.26	-
WW9	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.013	0.012	0.003	<0.001	19	<0.05	0.003	<0.001	0.011	0.01	26	0.36	0.33	-	0.011	0.01	3.6	<0.001	<0.001	190	0.013	<0.005	0.028	0.027	<20	<10	<0.01	-
WW13	**Groundwater**	**10 May 2023**	**988289**	<0.005	0.009	0.006	0.004	<0.001	7.3	<0.05	0.046	0.005	0.054	0.049	15	0.12	0.066	-	0.051	0.038	1.5	<0.001	<0.001	160	0.012	<0.005	0.16	0.12	<20	<10	0.35	-
GWILP	**Surface Water**	**10 May 2023**	**988289**	<0.005	0.004	0.004	0.003	0.002	3.6	3.6	<0.001	<0.001	<0.005	<0.005	6.7	0.13	0.12	-	0.007	0.007	3.1	<0.001	<0.001	96	<0.005	<0.005	0.019	0.017	<20	<10	0.02	-
GW Sump	**Surface Water**	**10 May 2023**	**988289**	-	0.006	-	0.007	-	26	-	0.01	-	<0.005	-	6.4	0.69	-	-	0.009	-	3.8	0.002	-	93	0.086	-	0.31	-	280	<10	0.08	-
SW12	**Surface Water**	**10 May 2023**	**988289**	<0.005	<0.001	<0.001	<0.001	<0.001	0.09	0.05	<0.001	<0.001	<0.005	<0.005	35	0.043	0.029	-	0.002	0.002	14	<0.001	<0.001	300	<0.005	<0.005	0.013	0.01	66	<10	0.02	-
SW13	**Surface Water**	**10 May 2023**	**988289**	<0.005	0.002	0.002	<0.001	<0.001	0.27	0.06	<0.001	<0.001	<0.005	<0.005	97	0.2	0.077	-	0.005	0.004	29	<0.001	<0.001	880	<0.005	<0.005	0.007	0.007	54	<10	0.02	-
SW12	**Surface Water**	**12 Jun 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**12 Jun 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	**Surface Water**	**12 Jun 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**04 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	**Surface Water**	**04 Jul 2023**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																																
Number of Results				**44**	**151**	**133**	**151**	**156**	**151**	**133**	**151**	**156**	**151**	**133**	**174**	**151**	**133**	**4**	**151**	**156**	**174**	**151**	**133**	**174**	**151**	**133**	**151**	**156**	**174**	**174**	**174**	**10**
Maximum Concentration				**<0.005**	**1.2**	**1.2**	**0.15**	**0.12**	**100**	**33**	**0.075**	**0.024**	**0.75**	**0.74**	**2,600**	**50**	**49**	**<0.001**	**0.82**	**0.83**	**1,300**	**<0.01**	**<0.01**	**18,000**	**0.26**	**0.25**	**2.1**	**0.75**	**24,000**	**930**	**16**	**8,500**
Average Concentration *				**0.0025**	**0.032**	**0.02**	**0.0062**	**0.0028**	**4.8**	**1.2**	**0.0037**	**0.0012**	**0.042**	**0.033**	**123**	**1.1**	**0.71**	**0.0005**	**0.041**	**0.028**	**84**	**0.0013**	**0.0008**	**1,078**	**0.018**	**0.0081**	**0.11**	**0.062**	**570**	**26**	**0.79**	**3,085**
Standard Deviation *				**0**	**0.16**	**0.12**	**0.016**	**0.01**	**14**	**4.6**	**0.0086**	**0.0024**	**0.12**	**0.098**	**397**	**6.6**	**4.8**	**0**	**0.12**	**0.099**	**199**	**0.0015**	**0.00095**	**2,823**	**0.044**	**0.032**	**0.26**	**0.13**	**2,260**	**105**	**2.8**	**3,209**
% of Detects				**0**	**62**	**50**	**62**	**46**	**75**	**28**	**40**	**15**	**42**	**41**	**94**	**91**	**84**	**0**	**86**	**79**	**96**	**23**	**13**	**100**	**38**	**8**	**89**	**72**	**63**	**9**	**84**	**100**

* A Non Detect Multiplier of 0.5 has been applied.

				Inorganics													Organic		SVOCs	Phenols										
				Phosphate total (as P)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Ammonia as N	Chloride	COD	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrate & Nitrite (NOx)	Nitrogen (Total)	Sulfate	TDS	TSS	Nitrogen (Organic)	TOC	EPN	3/4-Methylphenol (m/p-cresol)	Total Non-Halogenated Phenol*	2,4-dimethylphenol	2,4-dinitrophenol	2-methylphenol	2-nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-nitrophenol	Cresol (Total)	Phenol
				MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	MG/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.01	20	20	0.01	1	25	0.2	0.02	0.02	0.05	0.2	5	10	5	0.2	5	2	0.006	0.1	3	0.03	3	10	30	100	10	30	0.01	3
ANZG (2018) Marine water 90% toxicant DGVs							1.2																								520
Darwin Harbour WQO (Shoal Bay upper area ambient marine)							0.02						0.02	0.3			10														
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	**Matrix**	**Date**	**Lab Report**																												
DW3	Leachate	11 Aug 2022	913607	15	<20	8,600	1,700	2,700	4,300	2,400	<0.5	<0.2	<0.5	2,400	<5	6,800	230	-	1,400	-	0.017	<0.1	<3	<0.03	22	<10	<30	<100	<10	<30	0.04	14
LP01	Leachate	12 Aug 2022	913607	13	<20	4,400	820	1,100	3,500	820	<2.5	<1	<2.5	820	32	4,400	140	-	800	-	<0.006	<0.1	<3	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
LP02	Leachate	12 Aug 2022	913607	20	<20	6,400	950	3,800	6,200	1,200	<5	<2	<5	1,200	23	12,000	200	-	1,700	-	0.009	<0.1	<3	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
TC SUMP	Leachate	12 Aug 2022	913607	9.6	<20	6,700	1,200	1,900	3,800	1,100	<1	<1	<2.5	1,100	8	6,100	1,100	-	900	-	<0.006	<0.1	3	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
GW11-12	Groundwater	11 Aug 2022	913607	0.13	<20	220	0.96	76	35	2.3	<0.02	<0.02	<0.05	2.3	65	480	910	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	Groundwater	11 Aug 2022	913607	1.9	<20	160	<0.01	17,000	180	<0.2	0.19	<0.02	0.19	<0.2	1,400	28,000	120	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	11 Aug 2022	913607	0.09	<20	<20	<0.01	12	530	<0.2	2.4	<0.02	2.4	2.4	<5	59	1,100	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	11 Aug 2022	913607	0.05	<20	<20	<0.01	11	<25	1.9	0.8	<0.02	0.8	2.7	<5	44	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	11 Aug 2022	913607	0.07	<20	<20	2.1	69	210	6.3	0.03	<0.02	<0.05	6.3	32	150	220	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	11 Aug 2022	913607	0.03	<20	<20	<0.01	780	790	1.1	0.13	<0.02	0.15	1.25	130	1,400	17	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	11 Aug 2022	913607	0.15	<20	25	<0.01	3,800	200	2	0.24	<0.02	0.24	2.24	320	5,900	1,200	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	11 Aug 2022	913607	0.04	880	960	0.24	4,800	130	2.2	0.7	0.11	0.81	3.01	450	9,400	41	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	11 Aug 2022	913607	0.17	<20	170	<0.01	290	54	3.1	4.1	<0.02	4.1	7.2	180	1,100	100	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	Groundwater	11 Aug 2022	913607	0.48	<20	620	<0.01	7,400	210	<0.2	2.1	<0.02	2.1	2.1	810	7,800	21	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	11 Aug 2022	913607	0.08	<20	<20	<0.01	200	<25	<0.2	0.77	<0.02	0.77	0.77	11	320	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	11 Aug 2022	913607	0.08	<20	<20	<0.01	280	<25	2	0.12	<0.02	0.12	2.12	27	550	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	11 Aug 2022	913607	0.09	<20	95	<0.01	800	<25	1.4	0.07	<0.02	0.07	1.47	110	1,400	6.4	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	11 Aug 2022	913607	0.14	<20	150	0.13	2,300	<25	2.4	0.03	<0.02	<0.05	2.4	330	3,900	11	-	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	11 Aug 2022	913607	0.04	<20	76	<0.01	4,300	160	3.4	26	<0.02	26	29.4	380	3,900	22	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	11 Aug 2022	913607	0.55	<20	23	1.4	26,000	350	14	0.24	<0.02	0.24	14.24	2,400	41,000	130	-	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	11 Aug 2022	913607	0.02	<20	<20	<0.01	2,000	52	1.9	1.3	<0.02	1.3	3.2	160	2,900	420	-	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	12 Aug 2022	913607	0.02	<20	37	<0.01	77	<25	1.3	1.1	<0.02	1.1	2.4	<5	170	<5	-	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	12 Aug 2022	913607	0.01	<20	51	<0.01	37	<25	2.9	0.13	<0.02	0.13	3.03	21	240	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	12 Aug 2022	913607	0.05	<20	240	0.02	26,000	370	1.1	3.1	<0.02	3.1	4.2	3,500	77,000	210	-	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	12 Aug 2022	913607	0.03	<20	<20	17	7,000	170	17	5.5	0.03	5.5	22.5	930	1,900	22	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	08 Nov 2022	938841	28	<20	6,500	1,200	2,700	4,300	1,200	<1	<0.55	<1	1,200	73	-	53	-	1,800	-	0.16	0.47	<3	<0.03	<5	<10	<30	<100	<10	<30	0.16	150
LP02	Leachate	08 Nov 2022	938841	27	<20	6,600	310	2,600	4,600	1,100	<1	<0.5	<1	1,100	71	-	55	-	1,900	-	0.56	1.47	<3	<0.03	<5	<10	<30	<100	<10	<30	0.56	350
GW11-12	Groundwater	08 Nov 2022	938841	0.04	<20	36	0.55	66	32	0.8	<0.02	<0.02	<0.05	0.8	93	320	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	08 Nov 2022	938841	0.31	<20	<20	0.01	14	<25	<0.2	0.37	<0.02	0.37	0.37	<5	66	-	-	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	08 Nov 2022	938841	0.05	<20	<20	<0.01	5.5	<25	2.5	0.69	<0.02	0.69	3.19	25	78	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	08 Nov 2022	938841	0.02	<20	59	2.4	68	<25	2.5	<0.02	<0.02	<0.05	2.5	5.8	200	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	08 Nov 2022	938841	<0.01	<20	<20	0.11	81	<25	<0.2	1.8	<0.02	1.8	1.8	5.2	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	08 Nov 2022	938841	0.03	<20	88	0.06	130	45	1.1	6.1	<0.02	6.1	7.2	21	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	08 Nov 2022	938841	<0.01	<20	<20	<0.01	25	<25	<0.2	0.2	<0.02	0.2	0.2	22	-	-	-	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	08 Nov 2022	938841	0.04	<20	23	<0.01	3,800	47	0.5	0.25	<0.02	0.26	0.76	330	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	08 Nov 2022	938841	0.01	310	390	0.08	870	<25	0.3	2.6	0.04	2.7	3	250	-	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	08 Nov 2022	938841	0.08	<20	89	<0.01	2,400	79	0.7	0.89	<0.02	0.89	1.59	260	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	08 Nov 2022	938841	0.01	<20	<20	0.02	120	<25	<0.2	0.48	<0.02	0.48	0.48	23	220	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	08 Nov 2022	938841	0.06	<20	<20	0.02	280	<25	<0.2	0.14	<0.02	0.15	<0.2	30	510	-	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	08 Nov 2022	938841	0.07	<20	98	0.03	820	<25	<0.2	0.08	<0.02	0.08	<0.2	110	1,500	-	-	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	08 Nov 2022	938841	0.06	<20	150	0.1	1,800	32	<0.2	0.05	<0.02	<0.05	<0.2	320	3,700	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	08 Nov 2022	938841	0.03	<20	140	0.15	5,900	74	2.4	15	0.08	15	17.4	760	9,200	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	08 Nov 2022	938841	0.03	<20	270	0.72	1,200	400	0.9	2.7	0.14	2.9	3.8	3,600	64,000	-	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	08 Nov 2022	938841	0.03	<20	62	17	5,900	110	13	93	0.13	93	106	840	9,300	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	08 Nov 2022	938841	0.16	<20	20	1	24,000	300	1.3	0.78	<0.02	0.78	2.08	2,700	51,000	-	-	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	08 Nov 2022	938841	0.02	<20	<20	0.04	1,200	<25	<0.2	1.5	<0.02	1.5	1.5	190	2,800	-	-	8.1	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	08 Nov 2022	938841	0.35	<20	670	130	400	210	140	<0.1	<0.1	<0.25	140	33	-	13	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPS	Surface Water	08 Nov 2022	938841	0.44	<20	910	190	460	290	200	<0.1	<0.1	<0.25	200	29	-	22	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Nov 2022	938841	0.02	<20	24	0.03	230	<25	<0.2	0.62	<0.02	0.63	0.63	92	660	13	-	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Nov 2022	938841	0.02	<20	<20	0.03	250	37	0.3	1.3	<0.02	1.3	1.6	130	690	150	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Nov 2022	938841	0.01	<20	88	0.07	180	45	<0.2	0.81	0.05	0.86	0.86	120	710	40	-	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	08 Dec 2022	948478	2.8	<20	<20	7.8	340	350	29	<0.1	<0.1	<0.25	29	360	1,200	280	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Dec 2022	948478	<0.01	<20	45	0.07	120	25	0.9	2.6	0.07	2.7	3.6	66	330	21	-	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Dec 2022	948478	<0.01	<20	30	0.03	450	<25	1	2.3	0.04	2.3	3.3	110	880	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Dec 2022	948478	0.01	<20	38	0.19	58	<25	11	0.58	<0.02	0.59	11.59	31	320	25	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	08 Dec 2022	948478	0.04	<20	190	0.32	530	280	10	<0.1	<0.1	<0.25	10	240	1,400	24	-	97	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	05 Jan 2023	953837	3.3	<20	380	6	150	270	11	<0.25	<0.1	<0.25	11	<5	580	290	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Jan 2023	953837	0.02	<20	35	0.03	73	<25	1.6	2.5	0.02	2.6	4.2	33	280	110	-	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Jan 2023	953837	<0.01	<20	47	0.02	180	<25	1.7	2.3	<0.02	2.3	4	92	570	22	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Jan 2023	953837	<0.01	<20	140	<0.01	40	70	4.2	1.3	<0.02	1.3	5.5	17	240	220	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	05 Jan 2023	953837	0.01	<20	<20	<0.01	130	<25	21	0.86	<0.02	0.87	21.87	34	290	8	-	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-
SW16	Surface Water	05 Jan 2023	953837	0.04	<20	370	<0.01	86	25	0.2	20	0.08	20	20.2	150	630	7.8	-	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Jan 2023	953837	0.02	<20	170	2.5	54	40	3.7	<0.02	<0.02	<0.05	3.7	91	400	8.7	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	05 Jan 2023	953837	0.01	<20	170	0.53	58	<25	1.9	0.19	0.08	0.27	2.17	29	190	<5	-	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-
DW3	Leachate	27 Jan 2023	958820	20	<20	4,800	220	2,200	4,600	1,400	<0.5	<0.2	<0.5	1,400	<50	5,400	1,300	-	1,600	-	0.014	<0.1	11	<0.03	14	<10	<30	<100	<10	<30	0.03	8

				Inorganics													Organic		SVOCs	Phenols									
				Phosphate total (as P)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Ammonia as N	Chloride	COD	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrate & Nitrite (NOx)	Nitrogen (Total)	Sulfate	TDS	TSS	Nitrogen (Organic)	TOC	EPN	3/4-Methylphenol (m/p-cresol)	Total Non-Halogenated Phenol*	2,4-dimethylphenol	2,4-dinitrophenol	2-methylphenol	2-nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-nitrophenol	Cresol (Total)	Phenol
				MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	MG/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
EQL				0.01	20	20	0.01	1	25	0.2	0.02	0.02	0.05	0.2	5	10	5	0.2	5	2	0.006	0.1	3	0.03	3	10	30	100	10	30	0.01	3
ANZG (2018) Marine water 90% toxicant DGVs							1.2																								520
Darwin Harbour WQO (Shoal Bay upper area ambient marine)							0.02						0.02	0.3			10														
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	**Matrix**	**Date**	**Lab Report**																												
LMP02	**Leachate**	**27 Jan 2023**	**958820**	0.36	<20	1,100	1,100	480	220	8,700	<25	<10	<25	8,700	30	1,200	6.6	-	79	-	<0.006	<0.1	<3	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
LP01	**Leachate**	**27 Jan 2023**	**958820**	27	<20	5,300	1,200	3,100	4,400	1,100	<25	<10	<25	1,100	130	9,900	25	-	1,900	-	0.006	<0.1	4	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
LP02	**Leachate**	**27 Jan 2023**	**958820**	27	<20	24,000	1,000	3,000	4,000	950	<25	<10	<25	950	120	6,800	28	-	1,900	-	0.008	<0.1	5	<0.03	3	<10	<30	<100	<10	<30	0.01	<3
TC Sump	**Leachate**	**27 Jan 2023**	**958820**	6.8	<20	6,800	1,000	1,900	2,800	900	<25	<10	<25	900	<5	4,700	27	-	1,100	-	<0.006	<0.1	<3	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
GW1-3	**Groundwater**	**27 Jan 2023**	**958820**	0.01	<20	49	<0.01	260	<25	<0.2	0.5	<0.02	0.5	0.5	34	460	<5	-	6.2	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	**Groundwater**	**27 Jan 2023**	**958820**	0.22	210	250	0.57	1,600	35	1	0.92	<0.02	0.92	1.92	130	3,300	8.6	-	8	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW3-3	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	<0.05	68	<25	1.3	11	<0.1	11	12.3	<5	180	<5	-	5.9	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	**Groundwater**	**27 Jan 2023**	**958820**	0.01	<20	50	<0.01	110	<25	<0.2	0.63	<0.02	0.63	0.63	16	200	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	**Groundwater**	**27 Jan 2023**	**958820**	0.03	<20	210	2.8	1,100	47	4.9	48	<0.1	48	52.9	190	2,400	<5	-	16	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	**Groundwater**	**27 Jan 2023**	**958820**	0.03	<20	410	0.05	32,000	<25	<0.2	3	<0.02	3	3	4,000	61,000	51	-	9	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW9-12	**Groundwater**	**27 Jan 2023**	**958820**	0.01	<20	<20	<0.01	4.6	<25	<0.2	0.2	<0.02	0.2	0.2	<5	19	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW10-3	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	0.05	8.2	<25	0.7	1.8	<0.02	1.8	2.5	<5	74	14	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW10-12	**Groundwater**	**27 Jan 2023**	**958820**	0.02	<20	<20	<0.01	8.6	<25	<0.2	3.6	<0.02	3.6	3.6	<5	58	<5	-	6.5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW11-3	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	0.09	11	<25	0.3	2.1	<0.02	2.1	2.4	<5	62	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	**Groundwater**	**27 Jan 2023**	**958820**	0.05	<20	62	0.19	13	<25	7.2	1.1	<0.02	1.1	8.3	5.6	100	5.6	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW12-3	**Groundwater**	**27 Jan 2023**	**958820**	0.02	<20	110	0.43	330	49	1.8	2.3	<0.02	2.3	4.1	45	830	<5	-	29	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	**Groundwater**	**27 Jan 2023**	**958820**	0.21	<20	<20	0.31	13	<25	3.3	1.1	<0.02	1.1	4.4	<5	56	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	**Groundwater**	**27 Jan 2023**	**958820**	0.04	<20	55	0.23	3.7	<25	1.4	1.8	<0.02	1.8	3.2	<5	98	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW13-3	**Groundwater**	**27 Jan 2023**	**958820**	0.45	<20	56	4.1	180	91	8.3	0.03	<0.02	<0.05	8.3	37	480	280	-	38	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	**Groundwater**	**27 Jan 2023**	**958820**	0.02	<20	38	2.8	80	57	<0.2	0.03	<0.02	<0.05	<0.2	5.8	200	12	-	12	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW14-3	**Groundwater**	**27 Jan 2023**	**958820**	0.02	<20	<20	0.09	1,200	28	<0.2	4.3	<0.02	4.3	4.3	300	2,300	34	-	7.6	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW14-12	**Groundwater**	**27 Jan 2023**	**958820**	0.14	<20	77	0.12	4,800	130	0.4	2.8	<0.02	2.8	3.2	640	6,800	17	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW15-3	**Groundwater**	**27 Jan 2023**	**958820**	0.04	<20	<20	0.03	99	<25	1.5	2.2	<0.02	2.2	3.7	15	220	160	-	7.7	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	0.9	780	54	<0.2	0.34	<0.02	0.34	0.34	120	1,400	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	<1	220	<25	0.4	5.8	<2	5.8	6.2	16	300	21	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	0.51	86	<25	<0.2	1.8	<0.02	1.8	1.8	<5	160	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	0.14	24	<25	1	0.15	<0.02	0.15	1.15	23	120	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW17-3	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	<20	0.07	5,600	170	<0.2	0.79	<0.02	0.79	0.79	470	8,700	25	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	**Groundwater**	**27 Jan 2023**	**958820**	0.03	<20	<20	0.2	3,400	150	<0.2	0.31	<0.02	0.31	0.31	330	6,200	18	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	53	170	0.07	370	<25	0.4	2.8	<0.02	2.8	3.2	180	960	12	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW18-3	**Groundwater**	**27 Jan 2023**	**958820**	<0.01	<20	52	0.03	220	<25	0.5	4.9	<0.02	4.9	5.4	67	530	18	-	8.5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	**Groundwater**	**27 Jan 2023**	**958820**	0.02	<20	130	<0.01	58	<25	1.1	4.4	<0.02	4.4	5.5	70	360	5.9	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW20	**Groundwater**	**27 Jan 2023**	**958820**	0.03	<20	81	0.47	52	25	<0.2	0.32	<0.02	0.32	0.32	20	180	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
WW6	**Groundwater**	**27 Jan 2023**	**958820**	0.08	<20	920	0.93	20,000	590	<0.2	0.88	<0.02	0.88	0.88	2,700	39,000	21	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
WW13	**Groundwater**	**27 Jan 2023**	**958820**	0.07	<20	<20	0.32	410	<25	0.7	3.8	<0.02	3.8	4.5	36	860	<5	-	<5	<2	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	**Surface Water**	**27 Jan 2023**	**958820**	1.2	<20	120	0.72	110	140	3.8	0.34	<0.02	0.34	4.14	10	820	39	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**27 Jan 2023**	**958820**	<0.01	<20	20	0.31	120	<25	4.2	1.1	<0.02	1.1	5.3	39	270	9.9	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**27 Jan 2023**	**958820**	0.02	<20	23	0.07	140	25	<0.2	1.1	<0.02	1.1	1.1	33	300	9.7	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	**Surface Water**	**27 Jan 2023**	**958820**	0.02	<20	27	0.01	150	<25	1.6	3.9	<0.02	3.9	5.5	56	380	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	**Surface Water**	**27 Jan 2023**	**958820**	0.02	<20	110	0.82	34	<25	0.3	0.25	<0.02	0.25	0.55	9.9	200	<5	-	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	**Surface Water**	**27 Jan 2023**	**958820**	<0.01	<20	<20	<0.01	350	<25	<0.2	0.66	<0.02	0.66	0.66	57	690	<5	-	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP Wetland	**Leachate**	**03 Mar 2023**	**968801**	4.6	<20	820	11	890	850	76	<0.25	<0.25	<0.25	76	<50	2,100	120	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	**Surface Water**	**03 Mar 2023**	**968801**	3.7	<20	170	3.4	140	170	6.4	<0.02	0.07	0.08	6.48	7.6	680	49	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**03 Mar 2023**	**968801**	0.25	<20	140	17	130	42	19	<0.25	<0.1	<0.25	19	43	370	19	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**03 Mar 2023**	**968801**	0.02	<20	70	0.08	190	<25	0.6	0.23	<0.02	0.23	0.83	52	510	28	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	**Surface Water**	**03 Mar 2023**	**968801**	0.02	<20	<20	0.03	110	<25	0.4	0.81	0.03	0.84	1.24	42	300	7.4	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	**Surface Water**	**03 Mar 2023**	**968801**	0.21	<20	160	7	86	32	8.6	0.14	0.09	0.23	8.83	49	370	7.9	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	**Surface Water**	**03 Mar 2023**	**968801**	0.02	<20	<20	0.21	71	<25	0.4	0.27	0.05	0.33	0.73	12	150	<5	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	**Surface Water**	**05 Apr 2023**	**978461**	1.4	<20	140	0.64	85	91	13	<0.02	<0.02	<0.05	13	<5	330	220	12.36	47	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP WETLAND	**Leachate**	**05 Apr 2023**	**978461**	12	<20	1,800	32	2,700	2,800	93	15	1.2	16	109	<50	6,600	49	61	2,900	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**05 Apr 2023**	**978461**	<0.01	<20	45	0.1	370	<25	1.5	0.05	<0.02	0.05	1.55	58	830	8.1	1.4	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**05 Apr 2023**	**978461**	<0.01	<20	52	0.03	760	42	3.4	0.04	<0.02	<0.05	3.4	92	1,500	9.2	3.37	20	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	**Surface Water**	**05 Apr 2023**	**978461**	<0.01	<20	150	3.3	74	25	10	1.7	0.73	2.4	12.4	12	270	<5	6.7	12	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	**Leachate**	**10 May 2023**	**988289**	11	<20	5,100	840	2,000	3,500	1,200	<0.2	<0.2	0.6	1,200.60	<50	5,700	150	360	150	-	<0.006	<0.1	7	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
GW1-3	**Groundwater**	**10 May 2023**	**988289**	0.03	<20	<20	0.03	330	<25	<0.2	0.25	<0.02	0.25	0.25	35	610	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	**Groundwater**	**10 May 2023**	**988289**	0.03	880	1,100	0.09	830	<25	0.6	0.1	0.02	0.13	0.73	32	3,600	11	0.51	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-3	**Groundwater**	**10 May 2023**	**988289**	0.14	<20	47	3.1	1,000	130	4.5	0.06	<0.02	0.07	4.57	160	1,700	43	1.4	38	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	**Groundwater**	**10 May 2023**	**988289**	0.23	<20	40	0.22	8,200	230	0.3	0.44	<0.02	0.45	0.75	1,100	13,000	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-3	**Groundwater**	**10 May 2023**	**988289**	0.01	<20	<20	0.24	110	<25	1.8	9.5	<0.02	9.5	11.3	10	270	5.1	1.56	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	**Groundwater**	**10 May 2023**	**988289**	0.02	<20	<20	0.22	110	<25	0.4	0.53	<0.02	0.53	0.93	18	230	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-3	**Groundwater**	**10 May 2023**	**988289**	0.01	<20	<20	<0.01	750	<25	0.6	0.11	<0.02	0.11	0.71	45	1,300	<5	0.6	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-12	**Groundwater**	**10 May 2023**	**988289**	0.01	510	610	0.03	1,500	<25	0.3	0.13	<0.02	0.14	0.44	30	4,800	17	0.27	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	**Groundwater**	**10 May 2023**	**988289**	0.05	<20	20	0.04	540	<25	<0.2	0.1	<0.02	0.1	<0.2	70	1,000	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-3	**Groundwater**	**10 May 2023**	**988289**	0.01	<20	84	0.27	720	420	0.27	0.34	<0.02	0.34	0.61	120	1,600	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	**Groundwater**	**10 May 2023**	**988289**	0.07	<20	95	0.07	1,300	<25	0.2	0.07	<0.02	0.07	0.27	190	2,000	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	**Groundwater**	**10 May 2023**	**988289**	0.03	<20	100	0.03	4,100	120	1.3	24	<0.02	24	25.3	530	5,900	57	1.27	9.2	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	**Groundwater**	**10 May 2023**	**988289**	0.05	<20	130	0.2	2,300	<25	0.2	0.02	<0.02	<0.05	0.2	360	3,700	13	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	**Groundwater**	**10 May 2023**	**988289**	0.03	<20	340	40	470	49	44	0.47	<0.02	0.47	44.47	57	1,100	14	4	24	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	**Groundwater**	**10 May 2023**	**988289**	0.36	<20	230	2.7	32,000	1,900	3.8	0.49	0.04	0.53	4.33	4,000	61,000	150	1.1	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW9-12	**Groundwater**	**10 May 2023**	**988289**	0.38	<20	<20	2.4	42	<25	7	2.7	<0.02	2.8	9.8	61	390	11	4.6	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW10-12	**Groundwater**	**10 May 2023**	**988289**	0.02	<20	<20	0.08	12	<25	0.3	2	<0.02	2	2.3	<5	68	<5	0.22	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	**Groundwater**	**10 May 2023**	**988289**	0.04	<20	67	0.11	13	<25	0.8	0.62	<0.02	0.62	1.42	9.8	140	<5	0.69	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-3	**Groundwater**	**10 May 2023**	**988289**	0.18	<20	92	0.09	300	52	1.5	0.15	<0.02	0.15	1.65	42	960	81	1.41	30	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	**Groundwater**	**10 May 2023**	**988289**	0.38	<20	<20	0.43	14	<25	1.1	2.3	<0.02	2.4	3.5	15	90	<5	0.67	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	**Groundwater**	**10 May 2023**	**988289**	0.06	<20	<20	0.15	4.3	<25	0.3	1	<0.02	1	1.3	16	170	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-

				Inorganics													Organic		SVOCs	Phenols										
				Phosphate total (as P)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Ammonia as N	Chloride	COD	Kjeldahl Nitrogen Total	Nitrate (as N)	Nitrite (as N)	Nitrate & Nitrite (NOx)	Nitrogen (Total)	Sulfate	TDS	TSS	Nitrogen (Organic)	TOC	EPN	3/4-Methylphenol (m/p-cresol)	Total Non-Halogenated Phenol*	2,4-dimethylphenol	2,4-dinitrophenol	2-methylphenol	2-nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-chloro-3-methylphenol	4-nitrophenol	Cresol (Total)	Phenol
				MG/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	mg/L	MG/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.01	20	20	0.01	1	25	0.2	0.02	0.02	0.05	0.2	5	10	5	0.2	5	2	0.006	0.1	3	0.03	3	10	30	100	10	30	0.01	3
ANZG (2018) Marine water 90% toxicant DGVs							1.2																								520
Darwin Harbour WQO (Shoal Bay upper area ambient marine)							0.02						0.02	0.3			10														
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	**Matrix**	**Date**	**Lab Report**																												
GW13-12	Groundwater	10 May 2023	988289	0.04	<20	30	2.3	76	<25	2.3	<0.02	<0.02	<0.05	2.3	10	230	12	<0.2	6.2	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-3	Groundwater	10 May 2023	988289	0.02	<20	<20	0.14	1,700	<25	0.5	5.3	<0.02	5.8	6.3	320	3,000	<5	0.36	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-12	Groundwater	10 May 2023	988289	0.13	<20	67	0.13	4,200	47	1.3	1.4	<0.02	1.4	2.7	600	6,000	7	1.17	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-3	Groundwater	10 May 2023	988289	0.01	<20	21	0.8	120	<25	5.4	8.2	<0.02	8.2	13.6	36	380	<5	4.6	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	10 May 2023	988289	0.01	<20	<20	0.03	800	<25	0.3	0.27	<0.02	0.28	0.58	120	1,500	5.4	0.27	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	10 May 2023	988289	1.3	<20	57	0.2	790	350	8.1	0.13	<0.02	0.13	8.23	29	3,400	20	7.9	180	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	10 May 2023	988289	0.01	<20	<20	0.02	98	<25	0.8	1.9	<0.02	1.9	2.7	5.5	200	<5	0.78	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	10 May 2023	988289	0.01	<20	<20	<0.01	32	<25	<0.2	0.11	<0.02	0.11	<0.2	33	91	<5	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-3	Groundwater	10 May 2023	988289	0.09	<20	<20	0.02	5,600	280	<0.2	0.8	<0.02	0.8	0.8	480	9,300	25	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	10 May 2023	988289	0.04	<20	<20	<0.01	3,300	110	2.4	0.24	<0.02	0.24	2.64	330	5,300	13	2.4	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	10 May 2023	988289	0.02	48	84	0.04	370	<25	0.4	2.7	0.04	2.7	3.1	180	1,200	<5	0.36	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-3	Groundwater	10 May 2023	988289	0.03	<20	110	<0.01	430	<25	0.5	1.8	<0.02	1.8	2.3	86	980	7.1	0.5	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	10 May 2023	988289	0.09	<20	40	<0.01	29	<25	0.6	2.5	<0.02	2.5	3.1	31	180	<5	0.6	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GW20	Groundwater	10 May 2023	988289	0.02	<20	20	0.29	49	<25	0.6	<0.02	<0.02	<0.05	0.6	13	200	<5	0.31	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
WW1	Groundwater	10 May 2023	988289	0.05	<20	<20	0.07	210	<25	5.6	37	<0.02	37	42.6	10	600	<5	5.53	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	10 May 2023	988289	0.35	<20	<20	1.4	10,000	370	1.4	0.89	<0.02	0.89	2.29	1,100	10,000	12	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	10 May 2023	988289	0.05	<20	<20	0.03	380	<25	<0.2	0.1	<0.02	0.1	<0.2	56	1,000	280	<0.2	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
WW13	Groundwater	10 May 2023	988289	0.28	<20	<20	0.3	410	<25	2	1.9	<0.02	1.9	3.9	32	760	78	1.7	<5	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	10 May 2023	988289	0.02	<20	<20	1.4	120	<25	2.4	<0.02	<0.02	<0.05	2.4	65	330	<5	1	5.5	-	<0.006	<0.1	<3	<0.03	<3	<10	<30	<100	<10	<30	<0.01	<3
GW Sump	Surface Water	10 May 2023	988289	2	<20	280	0.84	190	550	15	0.02	<0.02	<0.05	15	8.1	1,200	270	14.16	120	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	10 May 2023	988289	0.03	<20	66	0.81	530	<25	2.3	0.13	0.04	0.17	2.47	78	1,100	<5	1.49	14	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	10 May 2023	988289	0.03	<20	54	0.03	1,500	79	3.6	0.09	<0.02	0.09	3.69	170	2,900	11	3.57	38	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																																
Number of Results				174	174	174	174	174	164	174	174	174	174	174	174	162	153	52	164	31	13	13	13	13	13	13	13	13	13	13	13
Maximum Concentration				28	880	24,000	1,700	32,000	6,200	8,700	93	<10	93	8,700	4,000	77,000	1,300	360	2,900	<2	0.56	1.47	11	<0.03	22	<10	<30	<100	<10	<30	0.56	350
Average Concentration *				1.4	26	606	69	2,026	389	132	3	0.17	3	135	257	4,435	78	9.9	124	1	0.061	0.19	3.2	0.015	4.3	5	15	50	5	15	0.065	41
Standard Deviation *				5	103	2,297	264	5,179	1,082	724	9.1	0.76	9.1	724	668	11,844	208	50	431	0	0.16	0.4	2.9	0	6.3	0	0	0	0	0	0.15	101
% of Detects				87	4	67	79	100	50	78	82	14	79	95	88	100	67	73	54	0	54	15	38	0	23	0	0	0	0	0	38	31

* A Non Detect Multiplier of 0.5 has been applied.

				Halogenated Phenols			Halogenated Phenols					Organochlorine Pesticides																				
				Total Halogenated Phenol*	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	tetrachlorophenols	Organochlorine pesticides IWRG621	Other organochlorine pesticides IWRG621	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor
				MG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.01	10	10	3	3	3	10	30	2	2	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG (2018) Marine water 90% toxicant DGVs										33																		0.01				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	Matrix	Date	Lab Report																													
DW3	Leachate	11 Aug 2022	913607	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	12 Aug 2022	913607	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	12 Aug 2022	913607	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TC SUMP	Leachate	12 Aug 2022	913607	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	08 Nov 2022	938841	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	08 Nov 2022	938841	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPS	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW16	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DW3	Leachate	27 Jan 2023	958820	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Halogenated Phenols				Halogenated Phenols				Organochlorine Pesticides																				
				Total Halogenated Phenol*	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	tetrachlorophenols	Organochlorine pesticides IWRG621	Other organochlorine pesticides IWRG621	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor
				MG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.01	10	10	3	3	3	10	30	2	2	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG (2018) Marine water 90% toxicant DGVs										33																		0.01				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	Matrix	Date	Lab Report																													
LMP02	Leachate	27 Jan 2023	958820	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	27 Jan 2023	958820	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	27 Jan 2023	958820	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TC Sump	Leachate	27 Jan 2023	958820	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW1-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW3-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW3-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW8-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW8-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW9-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW10-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW10-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW11-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW11-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW12-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW12-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW12-30	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW13-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW13-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW14-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW14-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW15-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW15-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW16-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW16-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW16-30	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW17-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW17-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW17-30	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW18-3	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW18-12	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW20	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WW6	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WW13	Groundwater	27 Jan 2023	958820	-	-	-	-	-	-	-	-	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
GW Sump	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP Wetland	Leachate	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP WETLAND	Leachate	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	10 May 2023	988289	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW9-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW10-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Halogenated Phenols							Halogenated Phenols		Organochlorine Pesticides																				
				Total Halogenated Phenol*	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	Pentachlorophenol	tetrachlorophenols	Organochlorine pesticides IWRG621	Other organochlorine pesticides IWRG621	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor
				MG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/L	ug/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.01	10	10	3	3	3	10	30	2	2	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
ANZG (2018) Marine water 90% toxicant DGVs										33																		0.01				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	**Matrix**	**Date**	**Lab Report**																													
GW13-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW20	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW1	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW13	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	10 May 2023	988289	<0.01	<10	<10	<3	<3	<3	<10	<30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																																
Number of Results				13	13	13	13	13	13	13	13	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Maximum Concentration				<0.01	<10	<10	<3	<3	<3	<10	<30	<2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Average Concentration *				0.005	5	5	1.5	1.5	1.5	5	15	1	1	0.1	0.1	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Standard Deviation *				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Detects				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* A Non Detect Multiplier of 0.5 has been applied.

				Organochlorine Pesticides				Organophosphorous Pesticides																								
				Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate
				µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.2	0.2	0.2	0.005	0.002	2	2	20	2	2	20	2	2	2	2	2	2	2	2	2	2	2	2	0.002	2	2	2	2	20
ANZG (2018) Marine water 90% toxicant DGVs												0.04																				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	Matrix	Date	Lab Report																													
DW3	Leachate	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TC SUMP	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW13-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPS	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW16	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DW3	Leachate	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Organochlorine Pesticides				Organophosphorous Pesticides																								
				Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate
				µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.2	0.2	0.2	0.005	0.002	2	2	20	2	2	20	2	2	2	2	2	2	2	2	2	2	2	2	0.002	2	2	2	2	20
ANZG (2018) Marine water 90% toxicant DGVs												0.04																				
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																																
PFAS NEMP 2020 Interim Marine 90%																																
Field ID	Matrix	Date	Lab Report																													
LMP02	Leachate	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TC Sump	Leachate	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW1-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW3-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW3-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW8-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW8-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW9-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW10-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW10-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW11-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW11-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW12-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW12-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW12-30	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW13-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW13-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW14-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW14-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW15-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW15-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW16-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW16-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW16-30	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW17-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW17-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW17-30	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW18-3	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW18-12	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW20	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
WW6	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
WW13	Groundwater	27 Jan 2023	958820	<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
GW Sump	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	27 Jan 2023	958820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP Wetland	Leachate	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP WETLAND	Leachate	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW1-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW2-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW3-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW4-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW5-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW7-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW8-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW9-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW10-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW12-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Organochlorine Pesticides				Organophosphorous Pesticides																							
				Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Tokuthion	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate
				µg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.2	0.2	0.2	0.005	0.002	2	2	20	2	2	20	2	2	2	2	2	2	2	2	2	2	2	2	0.002	2	2	2	2	20
ANZG (2018) Marine water 90% toxicant DGVs												0.04																			
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																															
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	**Matrix**	**Date**	**Lab Report**																												
GW13-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW14-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW15-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW16-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW17-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW18-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW20	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW1	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW6	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW9	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WW13	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILP	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																															
Number of Results				31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
Maximum Concentration				<0.2	<0.2	<0.2	<0.005	<0.002	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.002	<2	<2	<2	<2	<20
Average Concentration *				0.1	0.1	0.1	0.0025	0.001	1	1	10	1	1	10	1	1	1	1	1	1	1	1	1	1	1	1	0.001	1	1	1	1	10
Standard Deviation *				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% of Detects				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* A Non Detect Multiplier of 0.5 has been applied.

				Organophosphorous Pesticides						Herbicides	Pesticides		Organotin Compounds			Perfluorocarbons														
				Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Dinoseb	Parathion	Pirimiphos-methyl	Tributyltin as Sn_	Tributyltin oxide (TBTO)	Tributyltin	2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	Perfluorononane sulfonate (PFNS)	Sum of WA DWER PFAS (n=10)*	Perfluorononanesulfonic acid (PFNS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoate (PFOA)
				µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	UG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				2	2	2	2	2	0.002	100	2	0.02	0.005	12.5	12.5	0.05	0.01	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.001
ANZG (2018) Marine water 90% toxicant DGVs																														
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														
PFAS NEMP 2020 Interim Marine 90%																								2						632
Field ID	**Matrix**	**Date**	**Lab Report**																											
DW3	Leachate	11 Aug 2022	913607	-	-	-	-	-	-	<100	-	-	-	-	-	0.02	-	87.35	<0.0125	47	0.072	1.3	0.05	0.83	<0.0125	1.3	6.1	16	0.18	2.4	7.1
LP01	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	<100	-	-	-	-	-	0.025	-	36.13	<0.0125	18	0.19	1	0.064	1.7	<0.0125	1.1	2.6	5.9	0.073	1	3.4
LP02	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	<100	-	-	-	-	-	0.04	-	89.64	<0.0125	49	0.26	3	0.14	3.1	<0.0125	0.71	4.4	15	0.81	2.6	8.6
TC SUMP	Leachate	12 Aug 2022	913607	-	-	-	-	-	-	<100	-	-	-	-	-	0.019	-	47.763	<0.0125	26	0.093	1.2	0.054	1.3	<0.0125	1.6	2.9	5.9	0.16	1.8	5.7
GW11-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	1.52	<0.01	0.05	0.04	0.24	0.02	0.23	<0.01	0.15	0.38	0.22	0.03	0.08	0.04
GW1-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW12-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	0.01	<0.01	0.02	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW12-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW13-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.57	<0.01	0.14	<0.01	0.05	<0.01	0.09	<0.01	0.05	0.08	0.08	0.01	0.02	0.06
GW15-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW18-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.22	<0.01	<0.01	<0.01	0.11	<0.01	0.11	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW2-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW3-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW4-30	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW5-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW7-12	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.07	<0.01	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	0.02
GW7-3	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.9	<0.01	0.1	0.03	0.16	<0.01	0.13	<0.01	0.16	0.1	0.09	0.03	0.04	0.12
WW6	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	0.01
WW9	Groundwater	11 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW16-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.55	<0.01	0.04	0.02	0.09	<0.01	0.04	<0.01	0.07	0.1	0.08	0.01	0.05	0.08
GW16-30	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW8-12	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW8-3	Groundwater	12 Aug 2022	913607	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.7	<0.01	0.03	0.02	0.16	<0.01	0.18	<0.01	0.11	0.01	0.03	0.02	0.02	0.16
SW12	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	08 Nov 2022	938841	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	08 Nov 2022	938841	-	-	-	-	-	-	<100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.35	<0.01	0.01	0.01	0.08	<0.01	0.11	<0.01	<0.05	0.08	0.05	<0.01	0.02	<0.01
GW12-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	0.02	<0.01	0.02	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW12-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW13-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.61	<0.01	0.19	<0.01	0.06	<0.01	0.1	<0.01	0.05	0.08	0.09	<0.01	0.02	0.02
GW16-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.54	<0.01	0.05	0.01	0.1	<0.01	0.05	<0.01	0.08	0.1	0.08	0.01	0.05	0.03
GW16-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.99	<0.01	0.11	0.02	0.13	<0.01	0.12	<0.01	0.13	0.21	0.15	0.01	0.09	0.05
GW16-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW18-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.05	<0.01	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW3-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW4-30	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW5-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW7-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.07	<0.01	<0.01	<0.01	0.03	<0.01	0.04	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW7-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.8	<0.01	0.06	0.02	0.21	0.02	0.27	<0.01	0.08	0.05	0.05	0.02	0.03	0.05
GW8-12	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW8-3	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	0.83	<0.01	0.07	0.03	0.18	<0.01	0.27	<0.01	0.12	0.04	0.07	0.03	0.03	0.05
WW6	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
WW9	Groundwater	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GWILP	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	3.76	<0.01	1.9	0.02	0.13	<0.01	0.13	<0.01	0.27	0.4	0.65	0.18	0.11	0.08
GWILPS	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	4.89	<0.01	2.4	0.02	0.16	<0.01	0.18	<0.01	0.31	0.57	0.9	0.01	0.13	0.1
SW12	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW16	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DW3	Leachate	27 Jan 2023	958820	-	-	-	-	-	-	<100	-	-	-	-	-	<0.05	<0.01	21.77	-	11	<0.01	0.37	0.01	0.36	<0.01	0.83	1.7	4.4	<0.01	0.56	2

				Organophosphorous Pesticides						Herbicides	Pesticides		Organotin Compounds			Perfluorocarbons														
				Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Dinoseb	Parathion	Pirimiphos-methyl	Tributyltin as Sn_	Tributyltin oxide (TBTO)	Tributyltin	2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	Perfluorononane sulfonate (PFNS)	Sum of WA DWER PFAS (n=10)*	Perfluorononanesulfonic acid (PFNS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoate (PFOA)
				µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	UG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				2	2	2	2	2	0.002	100	2	0.02	0.005	12.5	12.5	0.05	0.01	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.001
ANZG (2018) Marine water 90% toxicant DGVs																														
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														
PFAS NEMP 2020 Interim Marine 90%																								2						632
Field ID	**Matrix**	**Date**	**Lab Report**																											
LMP02	**Leachate**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	<100	-	-	-	-	-	<0.05	<0.01	2.52	-	0.17	0.05	0.47	0.02	0.62	<0.01	0.28	0.27	0.27	0.04	0.1	0.34
LP01	**Leachate**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	<100	-	-	-	-	-	<0.05	<0.01	22.38	-	11	0.08	0.74	0.03	0.82	<0.01	1.1	2.1	3.6	0.13	0.57	2
LP02	**Leachate**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	<100	-	-	-	-	-	<0.05	<0.01	19.7	-	10	0.05	0.57	0.02	0.74	<0.01	0.93	1.7	3.1	0.16	0.5	1.7
TC Sump	**Leachate**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	<100	-	-	-	-	-	<0.05	<0.01	17.41	-	9	<0.01	0.43	0.01	0.32	<0.01	0.9	0.98	2.2	<0.01	0.73	2.4
GW1-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.07	-	<0.01	<0.01	0.04	<0.01	0.03	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW1-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW3-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.78	-	0.4	<0.01	0.06	<0.01	0.04	<0.01	0.08	0.08	0.09	0.02	0.01	0.02
GW3-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW8-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	1.99	-	0.12	0.05	0.4	0.02	0.76	<0.01	0.16	0.1	0.11	0.04	0.06	0.28
GW8-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.15	-	<0.01	<0.01	0.09	<0.01	0.03	<0.01	<0.05	0.01	0.02	<0.01	<0.01	<0.01
GW9-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.19	-	<0.01	<0.01	0.04	<0.01	0.15	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW10-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.27	-	<0.01	<0.01	0.04	<0.01	0.17	<0.01	<0.05	0.04	0.02	<0.01	<0.01	<0.01
GW10-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.46	-	<0.01	0.01	0.2	<0.01	0.16	<0.01	<0.05	0.03	0.03	<0.01	0.02	0.02
GW11-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.58	-	0.03	0.01	0.1	<0.01	0.11	<0.01	0.05	0.13	0.09	0.01	0.04	0.03
GW11-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.72	-	0.04	0.02	0.15	<0.01	0.14	<0.01	0.06	0.15	0.11	0.02	0.05	0.02
GW12-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.69	-	0.02	<0.01	0.03	<0.01	0.06	<0.01	0.09	0.24	0.2	<0.01	0.02	0.03
GW12-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.05	0.01	<0.01	<0.01	<0.01	<0.01
GW12-30	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW13-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	2.13	-	0.38	0.02	0.09	<0.01	0.09	<0.01	0.18	0.49	0.57	0.01	0.08	0.19
GW13-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.76	-	0.21	<0.01	0.07	<0.01	0.09	<0.01	0.08	0.12	0.1	0.01	0.03	0.06
GW14-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	3.88	-	0.5	0.03	0.17	<0.01	0.05	<0.01	0.44	1.1	1	0.03	0.29	0.33
GW14-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.07	-	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.03	0.02	<0.01	<0.01	<0.01
GW15-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.16	-	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.03	0.04	<0.01	<0.01	0.01
GW15-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.01	<0.01	<0.01	<0.01	<0.01
GW16-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.69	-	0.15	0.01	0.07	<0.01	0.04	<0.01	0.09	0.13	0.09	0.01	0.05	0.07
GW16-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.56	-	0.05	0.01	0.1	<0.01	0.05	<0.01	0.07	0.08	0.08	<0.01	0.05	0.08
GW16-30	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-30	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW18-3	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.3	-	<0.01	<0.01	0.12	<0.01	0.17	<0.01	<0.05	0.01	<0.01	<0.01	<0.01	<0.01
GW18-12	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.41	-	<0.01	0.01	0.24	<0.01	0.16	<0.01	<0.05	0.01	<0.01	<0.01	<0.01	<0.01
GW20	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	0.32	-	0.04	<0.01	0.04	<0.01	0.03	<0.01	<0.05	0.07	0.08	<0.01	0.02	0.04
WW6	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
WW13	**Groundwater**	**27 Jan 2023**	**958820**	<2	<2	<2	<2	<2	<0.002	-	<2	<0.02	<0.005	<12.5	<12.5	<0.05	<0.01	<0.05	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW Sump	**Surface Water**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.21	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.11	0.08	<0.01	<0.01	0.02
SW12	**Surface Water**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.21	-	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.05	0.05	<0.01	0.02	0.03
SW13	**Surface Water**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.22	-	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.06	0.05	<0.01	0.02	0.03
SW15	**Surface Water**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.76	-	0.39	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	0.09	0.13	<0.01	0.03	0.04
SWStg1&2	**Surface Water**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.33	-	0.03	<0.01	0.05	<0.01	0.05	<0.01	<0.05	0.09	0.07	<0.01	0.01	0.03
SWStg5	**Surface Water**	**27 Jan 2023**	**958820**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.17	-	0.01	<0.01	0.05	<0.01	0.03	<0.01	<0.05	0.01	0.01	<0.01	0.01	0.05
LTP Wetland	**Leachate**	**03 Mar 2023**	**968801**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	**Surface Water**	**03 Mar 2023**	**968801**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**03 Mar 2023**	**968801**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**03 Mar 2023**	**968801**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	**Surface Water**	**03 Mar 2023**	**968801**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	**Surface Water**	**03 Mar 2023**	**968801**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	**Surface Water**	**03 Mar 2023**	**968801**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	**Surface Water**	**05 Apr 2023**	**978461**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP WETLAND	**Leachate**	**05 Apr 2023**	**978461**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	**Surface Water**	**05 Apr 2023**	**978461**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	**Surface Water**	**05 Apr 2023**	**978461**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	**Surface Water**	**05 Apr 2023**	**978461**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	**Leachate**	**10 May 2023**	**988289**	-	-	-	-	-	-	<100	-	-	-	-	-	<0.05	<0.01	24.29	-	11	0.2	0.66	0.03	0.66	<0.01	1.1	2.7	4.8	0.12	0.68	2
GW1-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW1-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW2-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.96	-	0.46	<0.01	0.05	<0.01	<0.01	<0.01	0.1	0.1	0.17	0.02	0.03	0.05
GW2-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW3-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.71	-	0.36	<0.01	0.04	<0.01	<0.01	<0.01	0.08	0.09	0.11	0.01	0.01	0.02
GW3-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW4-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.01	<0.01	<0.01
GW4-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW4-30	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW5-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW5-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW7-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.76	-	0.07	0.02	0.17	<0.01	0.21	<0.01	0.11	0.04	0.05	0.02	0.02	0.09
GW7-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.06	-	<0.01	<0.01	0.02	<0.01	0.03	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	0.01
GW8-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.95	-	0.04	0.01	0.12	<0.01	0.42	<0.01	0.1	0.04	0.05	<0.01	0.03	0.15
GW8-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW9-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW10-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.12	-	<0.01	<0.01	0.03	<0.01	0.04	<0.01	<0.05	0.03	0.02	<0.01	<0.01	<0.01
GW11-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.33	-	0.02	0.01	0.07	<0.01	0.08	<0.01	<0.05	0.07	0.06	<0.01	0.02	0.01
GW12-3	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.43	-	0.02	<0.01	0.03	<0.01	0.07	<0.01	0.05	0.1	0.13	<0.01	0.01	0.02
GW12-12	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW12-30	**Groundwater**	**10 May 2023**	**988289**	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01

				Organophosphorous Pesticides						Herbicides	Pesticides		Organotin Compounds			Perfluorocarbons														
				Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorvinphos	Dinoseb	Parathion	Pirimiphos-methyl	Tributyltin as Sn_	Tributyltin oxide (TBTO)	Tributyltin	2-(N-methylperfluoro-1-octane sulfonamido)-ethanol (N-MeFOSE)	Perfluorononane sulfonate (PFNS)	Sum of WA DWER PFAS (n=10)*	Perfluorononanesulfonic acid (PFNS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoate (PFOA)
				µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	UG/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				2	2	2	2	2	0.002	100	2	0.02	0.005	12.5	12.5	0.05	0.01	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.001
ANZG (2018) Marine water 90% toxicant DGVs																														
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														
PFAS NEMP 2020 Interim Marine 90%																								2						632
Field ID	**Matrix**	**Date**	**Lab Report**																											
GW13-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.49	-	0.16	<0.01	0.05	<0.01	0.07	<0.01	<0.05	0.06	0.08	<0.01	0.02	0.05
GW14-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	2.74	-	0.23	0.01	0.09	<0.01	0.01	<0.01	0.37	0.81	0.82	0.01	0.21	0.2
GW14-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW15-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	1.56	-	0.14	0.02	0.13	<0.01	0.11	<0.01	0.16	0.38	0.27	<0.01	0.15	0.22
GW15-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW16-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	5.56	-	3.1	0.02	0.06	<0.01	<0.01	<0.01	0.3	0.74	1.2	<0.01	0.1	0.06
GW16-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.57	-	0.06	0.01	0.09	<0.01	0.04	<0.01	0.07	0.1	0.08	0.01	0.05	0.08
GW16-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW17-30	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW18-3	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.26	-	<0.01	<0.01	0.12	<0.01	0.14	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW18-12	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.06	-	<0.01	<0.01	0.04	<0.01	0.02	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GW20	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	0.2	-	0.03	<0.01	0.01	<0.01	0.02	<0.01	<0.05	0.05	0.06	<0.01	0.01	0.02
WW1	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	1.22	-	0.41	0.01	0.03	<0.01	<0.01	<0.01	0.17	0.21	0.22	0.03	0.07	0.11
WW6	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
WW9	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
WW13	Groundwater	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.01	<0.05	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01
GWILP	Surface Water	10 May 2023	988289	-	-	-	-	-	-	<100	-	-	-	-	-	<0.05	<0.01	0.47	-	0.14	0.01	0.08	<0.01	0.03	<0.01	<0.05	0.07	0.07	<0.01	0.03	0.05
GW Sump	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																															
Number of Results				31	31	31	31	31	31	13	31	31	31	31	31	129	83	129	46	129	129	129	129	129	129	129	129	129	129	129	129
Maximum Concentration				<2	<2	<2	<2	<2	<0.002	<100	<2	<0.02	<0.005	<12.5	<12.5	<0.00005	<0.01	89.64	<0.0125	49	0.26	3	0.14	3.1	<0.0125	1.6	6.1	16	0.81	2.6	8.6
Average Concentration *				1	1	1	1	1	0.001	50	1	0.01	0.0025	6.2	6.2	0.000025	0.005	3.3	0.0051	1.6	0.015	0.12	0.0083	0.13	0.005	0.13	0.26	0.55	0.021	0.11	0.3
Standard Deviation *				0	0	0	0	0	0	0	0	0	0	0	0	0.0000015	0	13	0.00036	6.8	0.035	0.33	0.015	0.36	0.00022	0.28	0.82	2.1	0.077	0.37	1.2
% of Detects				0	0	0	0	0	0	0	0	0	0	0	0	3	0	56	0	45	29	54	10	51	0	33	50	47	26	42	45

* A Non Detect Multiplier of 0.5 has been applied.

				Perfluorocarbons																			Polychlorinated Biphenyls							
				Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer Sulfonate (6:2 FtS)	8:2 Fluorotelomer sulfonate (8:2 FtS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS	Sum of PFHxS and PFOS	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.005	0.001	0.001	0.005	0.001	0.001	0.001	5	5	5	5	5	5	5	5
ANZG (2018) Marine water 90% toxicant DGVs																														
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														
PFAS NEMP 2020 Interim Marine 90%																														
Field ID	Matrix	Date	Lab Report																											
DW3	Leachate	11 Aug 2022	913607	0.27	0.2	0.019	0.015	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	0.053	0.035	<0.0125	5.2	0.12	<0.0125	88.264	2.13	7.93	9.23	-	-	-	-	-	-	-	-
LP01	Leachate	12 Aug 2022	913607	0.16	0.16	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	0.13	0.081	<0.0125	1.3	0.13	0.016	37.029	2.7	5.1	6.1	-	-	-	-	-	-	-	-
LP02	Leachate	12 Aug 2022	913607	0.32	0.29	0.018	0.016	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	0.015	0.17	0.12	0.014	3	0.23	0.029	91.882	6.1	11.7	14.7	-	-	-	-	-	-	-	-
TC SUMP	Leachate	12 Aug 2022	913607	0.22	0.12	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	0.22	0.12	<0.0125	1.3	0.063	0.01	48.779	2.5	7	8.2	-	-	-	-	-	-	-	-
GW11-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	0.13	<0.01	<0.01	1.61	0.47	0.27	0.51	-	-	-	-	-	-	-	-
GW1-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW12-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.03	0.02	0.03	-	-	-	-	-	-	-	-
GW12-30	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW13-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.58	0.14	0.15	0.2	-	-	-	-	-	-	-	-
GW15-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW17-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW17-30	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW18-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.22	0.22	0.11	0.22	-	-	-	-	-	-	-	-
GW2-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW3-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW4-30	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW5-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW7-12	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.05	0.05	0.07	-	-	-	-	-	-	-	-
GW7-3	Groundwater	11 Aug 2022	913607	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.97	0.29	0.25	0.41	-	-	-	-	-	-	-	-
WW6	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	0.14	<0.01	<0.01	0.17	<0.01	0.01	0.01	-	-	-	-	-	-	-	-
WW9	Groundwater	11 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW16-12	Groundwater	12 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.58	0.13	0.12	0.21	-	-	-	-	-	-	-	-
GW16-30	Groundwater	12 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW8-12	Groundwater	12 Aug 2022	913607	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW8-3	Groundwater	12 Aug 2022	913607	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.76	0.34	0.34	0.5	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Aug 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Sep 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GWILPSouth	Surface Water	05 Oct 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP01	Leachate	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW11-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.36	0.19	0.11	0.19	-	-	-	-	-	-	-	-
GW12-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.04	0.02	0.04	-	-	-	-	-	-	-	-
GW12-30	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW13-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.61	0.16	0.12	0.18	-	-	-	-	-	-	-	-
GW16-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.56	0.15	0.08	0.18	-	-	-	-	-	-	-	-
GW16-3	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	1.02	0.25	0.17	0.3	-	-	-	-	-	-	-	-
GW16-30	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW17-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW17-30	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW18-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.05	0.03	0.05	-	-	-	-	-	-	-	-
GW3-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW4-30	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW5-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW7-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.07	0.04	0.07	-	-	-	-	-	-	-	-
GW7-3	Groundwater	08 Nov 2022	938841	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.88	0.48	0.32	0.53	-	-	-	-	-	-	-	-
GW8-12	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW8-3	Groundwater	08 Nov 2022	938841	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.91	0.45	0.32	0.5	-	-	-	-	-	-	-	-
WW6	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
WW9	Groundwater	08 Nov 2022	938841	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GWILP	Surface Water	08 Nov 2022	938841	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	0.09	<0.01	<0.01	3.98	0.26	0.21	0.34	-	-	-	-	-	-	-	-
GWILPS	Surface Water	08 Nov 2022	938841	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	0.13	0.01	<0.01	4.96	0.34	0.28	0.44	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Nov 2022	938841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	08 Dec 2022	948478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW Sump	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW16	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	05 Jan 2023	953837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DW3	Leachate	27 Jan 2023	958820	0.08	0.1	<0.01	0.03	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	0.52	0.03	0.01	22	0.73	2.36	2.73	-	-	-	-	-	-	-	-

				Perfluorocarbons																		Polychlorinated Biphenyls							
				Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer Sulfonate (6:2 FtS)	8:2 Fluorotelomer sulfonate (8:2 FtS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS	Sum of PFHxS and PFOS	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.005	0.001	0.001	0.005	0.001	0.001	0.001	5	5	5	5	5	5	5	5
ANZG (2018) Marine water 90% toxicant DGVs																															
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																															
PFAS NEMP 2020 Interim Marine 90%																															
Field ID	Matrix	Date	Lab Report																												
LMP02	Leachate	27 Jan 2023	958820	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	0.12	0.29	<0.01	<0.05	<0.01	<0.01	3.07	1.09	0.96	1.43	-	-	-	-	-	-	-	-
LP01	Leachate	27 Jan 2023	958820	0.08	0.09	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	0.07	0.06	<0.01	0.42	0.03	0.02	22.94	1.56	2.82	3.56	-	-	-	-	-	-	-	-
LP02	Leachate	27 Jan 2023	958820	0.07	0.09	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	0.06	0.05	<0.01	0.43	0.03	<0.01	20.2	1.31	2.44	3.01	-	-	-	-	-	-	-	-
TC Sump	Leachate	27 Jan 2023	958820	0.08	0.06	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.01	0.43	0.02	<0.01	17.61	0.75	2.72	3.15	-	-	-	-	-	-	-	-
GW1-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.07	0.03	0.07	<5	<5	<5	<5	<5	<5	<5	<5
GW1-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW3-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.8	0.1	0.06	0.12	<5	<5	<5	<5	<5	<5	<5	<5
GW3-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.02	0.01	0.02	<5	<5	<5	<5	<5	<5	<5	<5
GW8-3	Groundwater	27 Jan 2023	958820	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	2.13	1.16	1.04	1.44	<5	<5	<5	<5	<5	<5	<5	<5
GW8-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.15	0.12	0.03	0.12	<5	<5	<5	<5	<5	<5	<5	<5
GW9-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.19	0.19	0.15	0.19	<5	<5	<5	<5	<5	<5	<5	<5
GW10-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.27	0.21	0.17	0.21	<5	<5	<5	<5	<5	<5	<5	<5
GW10-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.47	0.36	0.18	0.38	<5	<5	<5	<5	<5	<5	<5	<5
GW11-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.6	0.21	0.14	0.24	<5	<5	<5	<5	<5	<5	<5	<5
GW11-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.76	0.29	0.16	0.31	<5	<5	<5	<5	<5	<5	<5	<5
GW12-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.69	0.09	0.09	0.12	<5	<5	<5	<5	<5	<5	<5	<5
GW12-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.02	0.01	0.02	<5	<5	<5	<5	<5	<5	<5	<5
GW12-30	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW13-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	0.06	<0.01	<0.01	2.16	0.18	0.28	0.37	<5	<5	<5	<5	<5	<5	<5	<5
GW13-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.77	0.16	0.15	0.22	<5	<5	<5	<5	<5	<5	<5	<5
GW14-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	3.94	0.22	0.38	0.55	<5	<5	<5	<5	<5	<5	<5	<5
GW14-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW15-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.16	<0.01	0.01	0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW15-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW16-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.71	0.11	0.11	0.18	<5	<5	<5	<5	<5	<5	<5	<5
GW16-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.57	0.15	0.13	0.23	<5	<5	<5	<5	<5	<5	<5	<5
GW16-30	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW17-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW17-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW17-30	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW18-3	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.3	0.29	0.17	0.29	<5	<5	<5	<5	<5	<5	<5	<5
GW18-12	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.42	0.4	0.16	0.4	<5	<5	<5	<5	<5	<5	<5	<5
GW20	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.32	0.07	0.07	0.11	<5	<5	<5	<5	<5	<5	<5	<5
WW6	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
WW13	Groundwater	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	<5	<5	<5	<5	<5	<5	<5	<5
GW Sump	Surface Water	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.21	<0.01	0.02	0.02	-	-	-	-	-	-	-	-
SW12	Surface Water	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.21	<0.01	0.03	0.03	-	-	-	-	-	-	-	-
SW13	Surface Water	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.22	<0.01	0.03	0.03	-	-	-	-	-	-	-	-
SW15	Surface Water	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.76	<0.01	0.04	0.04	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.33	0.1	0.08	0.13	-	-	-	-	-	-	-	-
SWStg5	Surface Water	27 Jan 2023	958820	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.17	0.08	0.08	0.13	-	-	-	-	-	-	-	-
LTP Wetland	Leachate	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW15	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg5	Surface Water	03 Mar 2023	968801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GW SUMP	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LTP WETLAND	Leachate	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWStg1&2	Surface Water	05 Apr 2023	978461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LP02	Leachate	10 May 2023	988289	0.08	0.08	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	<0.01	0.65	0.04	<0.01	24.87	1.32	2.66	3.32	-	-	-	-	-	-	-	-
GW1-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW1-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW2-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.98	0.05	0.05	0.1	-	-	-	-	-	-	-	-
GW2-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW3-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.72	0.04	0.02	0.06	-	-	-	-	-	-	-	-
GW3-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW4-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.02	<0.01	0.02	-	-	-	-	-	-	-	-
GW4-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW4-30	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW5-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW5-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW7-3	Groundwater	10 May 2023	988289	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.82	0.38	0.3	0.47	-	-	-	-	-	-	-	-
GW7-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.05	0.04	0.06	-	-	-	-	-	-	-	-
GW8-3	Groundwater	10 May 2023	988289	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.99	0.54	0.57	0.69	-	-	-	-	-	-	-	-
GW8-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW9-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW10-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.12	0.07	0.04	0.07	-	-	-	-	-	-	-	-
GW11-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.34	0.15	0.09	0.16	-	-	-	-	-	-	-	-
GW12-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.43	0.1	0.09	0.12	-	-	-	-	-	-	-	-
GW12-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.01	0.01	0.01	-	-	-	-	-	-	-	-
GW12-30	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-

				Perfluorocarbons																			Polychlorinated Biphenyls							
				Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer Sulfonate (6:2 FtS)	8:2 Fluorotelomer sulfonate (8:2 FtS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Sum of PFAS	Sum of PFHxS and PFOS	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
EQL				0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.005	0.001	0.001	0.005	0.001	0.001	0.001	5	5	5	5	5	5	5	5
ANZG (2018) Marine water 90% toxicant DGVs																														
Darwin Harbour WQO (Shoal Bay upper area ambient marine)																														
PFAS NEMP 2020 Interim Marine 90%																														
Field ID	**Matrix**	**Date**	**Lab Report**																											
GW13-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.49	0.12	0.12	0.17	-	-	-	-	-	-	-	-
GW14-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	2.76	0.1	0.21	0.3	-	-	-	-	-	-	-	-
GW14-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW15-3	Groundwater	10 May 2023	988289	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	1.59	0.24	0.33	0.46	-	-	-	-	-	-	-	-
GW15-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW16-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	5.58	0.06	0.06	0.12	-	-	-	-	-	-	-	-
GW16-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.59	0.13	0.12	0.21	-	-	-	-	-	-	-	-
GW16-30	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW17-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW17-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW17-30	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GW18-3	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.26	0.26	0.14	0.26	-	-	-	-	-	-	-	-
GW18-12	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	0.06	0.02	0.06	-	-	-	-	-	-	-	-
GW20	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.2	0.03	0.04	0.05	-	-	-	-	-	-	-	-
WW1	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	1.26	0.03	0.11	0.14	-	-	-	-	-	-	-	-
WW6	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
WW9	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
WW13	Groundwater	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.01	<0.01	<0.01	-	-	-	-	-	-	-	-
GWILP	Surface Water	10 May 2023	988289	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	0.48	0.11	0.08	0.16	-	-	-	-	-	-	-	-
GW Sump	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	10 May 2023	988289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	12 Jun 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW12	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW14	Surface Water	04 Jul 2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Statistics																															
Number of Results				129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	31	31	31	31	31	31	31	31
Maximum Concentration				0.32	0.29	0.019	0.03	<0.0125	<0.0125	<0.05	<0.05	<0.05	<0.05	0.22	0.29	0.014	5.2	0.23	0.029	91.882	6.1	11.7	14.7	<5	<5	<5	<5	<5	<5	<5	<5
Average Concentration *				0.016	0.014	0.0052	0.0054	0.005	0.005	0.024	0.024	0.024	0.024	0.031	0.03	0.0051	0.13	0.01	0.0055	3.4	0.25	0.43	0.55	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Standard Deviation *				0.044	0.037	0.0017	0.0025	0.00022	0.00022	0.0033	0.0033	0.0033	0.003	0.025	0.027	0.00081	0.55	0.025	0.0027	13	0.68	1.5	1.8	0	0	0	0	0	0	0	0
% of Detects				16	9	2	2	0	0	0	0	0	1	7	5	1	11	8	4	50	55	59	60	0	0	0	0	0	0	0	0

* A Non Detect Multiplier of 0.5 has been applied.

			Lab Report	978461	978461		913607	913607		913607	913607		938841	938841		938841	938841
			Field ID	SW13	DUP1		GW4-30	DUP 1		GW5-12	DUP 2		SW12	DUP2		SW13	DUP1
			Matrix	Water	Water		Water	Water		Water	Water		Water	Water		Water	Water
			Date	5/04/23	5/04/23	RPD	11/08/22	11/08/22	RPD	11/08/22	11/08/22	RPD	8/11/22	8/11/22	RPD	8/11/22	8/11/22
Chem Group	Unit	EQL	RPD														
Metals																	
Aluminium	mg/L	0.05		0.07	0.06	15							0.14	0.20	**35**	2.3	2.3
Aluminium (filtered)	mg/L	0.05		<0.05	<0.05	0							<0.05	<0.05	0	<0.05	<0.05
Arsenic	mg/L	0.001		<0.001	<0.001	0							0.001	<0.001	0	0.002	0.002
Arsenic (filtered)	mg/L	0.001		<0.001	<0.001	0							<0.001	<0.001	0	<0.001	<0.001
Beryllium	mg/L	0.001		<0.001	<0.001	0							<0.001	<0.001	0	<0.001	<0.001
Beryllium (filtered)	mg/L	0.001		<0.001	<0.001	0							<0.001	<0.001	0	<0.001	<0.001
Boron	mg/L	0.05		<0.5	<0.5	0							<0.05	<0.05	0	<0.05	<0.05
Boron (filtered)	mg/L	0.05		<0.5	<0.5	0	<0.5	<0.5	0	0.76	0.78	3	<0.05	<0.05	0	<0.05	<0.05
Cadmium	mg/L	0.0002		<0.0002	<0.0002	0							<0.0002	<0.0002	0	<0.0002	<0.0002
Cadmium (filtered)	mg/L	0.0002		<0.0002	<0.0002	0							<0.0002	<0.0002	0	<0.0002	<0.0002
Calcium	mg/L	0.5		56	53	6	12	10	18	11	110	**164**	46	44	4	52	52
Chromium (VI)	mg/L	0.005															
Chromium (VI) (filtered)	mg/L	0.005															
Chromium (III+VI)	mg/L	0.001		0.002	0.002	0							<0.001	<0.001	0	0.003	0.003
Chromium (III+VI) (filtered)	mg/L	0.001		0.001	0.002	**67**	0.002	0.004	**67**	0.007	0.006	15	<0.001	<0.001	0	<0.001	<0.001
Chromium (III)	mg/L	0.005															
Chromium (III) (filtered)	mg/L	0.005															
Cobalt	mg/L	0.001		<0.001	0.001	0							<0.001	<0.001	0	<0.001	<0.001
Cobalt (filtered)	mg/L	0.001		<0.001	<0.001	0							<0.001	<0.001	0	<0.001	<0.001
Copper	mg/L	0.001		0.003	0.003	0							<0.001	<0.001	0	0.002	0.002
Copper (filtered)	mg/L	0.001		0.003	0.003	0	<0.001	0.003	**100**	0.002	<0.001	**67**	<0.001	<0.001	0	<0.001	<0.001
Iron	mg/L	0.05		0.36	0.36	0							0.11	0.21	**62**	3.5	3.6
Iron (filtered)	mg/L	0.05		<0.05	<0.05	0							<0.05	<0.05	0	<0.05	<0.05
Lead	mg/L	0.001		<0.001	<0.001	0							<0.001	<0.001	0	0.002	0.002
Lead (filtered)	mg/L	0.001		<0.001	<0.001	0	<0.001	<0.001	0	0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001
Lithium	mg/L	0.005		<0.005	<0.005	0							<0.005	<0.005	0	<0.005	<0.005
Lithium (filtered)	mg/L	0.005		<0.005	<0.005	0							<0.005	<0.005	0	<0.005	<0.005
Magnesium	mg/L	0.5		47	45	4	10	9.9	1	20	21	5	16	16	0	18	18
Manganese	mg/L	0.005		0.13	0.13	0							0.013	0.012	8	0.033	0.032
Manganese (filtered)	mg/L	0.005		0.11	0.14	24							<0.005	<0.005	0	0.008	0.006
Nickel	mg/L	0.001		0.005	0.005	0							<0.001	<0.001	0	<0.001	<0.001
Nickel (filtered)	mg/L	0.001		0.005	0.005	0	0.004	0.003	29	0.003	0.001	**100**	<0.001	<0.001	0	<0.001	<0.001
Potassium	mg/L	0.5		15	15	0	4.4	4.5	2	19	17	11	11	11	0	8.5	8.4
Selenium	mg/L	0.001		<0.001	<0.001	0							<0.001	0.002	**67**	<0.001	0.003
Selenium (filtered)	mg/L	0.001		<0.001	<0.001	0							<0.001	0.001	0	<0.001	0.001
Sodium	mg/L	0.5		420	410	2	170	160	6	550	540	2	110	100	10	110	110
Vanadium	mg/L	0.005		<0.005	<0.005	0							<0.005	0.007	**33**	0.016	0.019
Vanadium (filtered)	mg/L	0.005		<0.005	<0.005	0							<0.005	<0.005	0	<0.005	<0.005
Zinc	mg/L	0.005		0.005	<0.005	0							0.005	0.005	0	<0.005	0.006
Zinc (filtered)	mg/L	0.005		<0.005	<0.005	0	0.017	<0.005	**109**	0.011	0.009	20	<0.005	<0.005	0	<0.005	<0.005
Organic																	
Nitrogen (Organic)	mg/L	0.2		3.37	3.78	11											

*RPDs have only been considered where a concentration is greater than 1 times the EQL.

*Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 30 (1 - 10 x EQL); 30 (10 - 30 x EQL); 30 (> 30 x EQL))

				Lab Report		948478	948478		953837	953837		958820	958820		958820	958820		968801	968801
				Field ID		SWStg5	Dup1		SW12	DUP1		SW12	DUP2		SWStg5	DUP1		SW13	DUP1
				Matrix		Water	Water		Water	Water		Water	Water		Water	Water		Water	Water
				Date	RPD	8/12/22	8/12/22	RPD	5/01/23	5/01/23	RPD	27/01/23	27/01/23	RPD	27/01/23	27/01/23	RPD	3/03/23	3/03/23
Chem Group	Unit	EQL	RPD																
Metals																			
Aluminium	mg/L	0.05		0	0.15	0.13	14	2.9	2.0	**37**	4.1	4.5	9	0.10	0.09	11	0.69	0.32
Aluminium (filtered)	mg/L	0.05		0	0.30	0.11	**93**		<0.05		<0.05	<0.05	0	0.07	0.07	0	0.10	0.09
Arsenic	mg/L	0.001		0	0.007	0.007	0	0.002	0.002	0	0.003	0.003	0	<0.001	<0.001	0	0.001	<0.001
Arsenic (filtered)	mg/L	0.001		0	0.006	0.006	0		<0.001		<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001
Beryllium	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001
Beryllium (filtered)	mg/L	0.001		0	<0.001	<0.001	0		<0.001		<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001
Boron	mg/L	0.05		0	0.41	0.47	14	<0.5	0.11	0	<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5
Boron (filtered)	mg/L	0.05		0	0.36	0.38	5		0.11		<0.05	<0.05	0	<0.05	<0.05	0	<0.5	<0.5
Cadmium	mg/L	0.0002		0	<0.0002	<0.0002	0	<0.0002	<0.0002	0	<0.0002	<0.0002	0	<0.0002	<0.0002	0	<0.0002	<0.0002
Cadmium (filtered)	mg/L	0.0002		0	<0.0002	<0.0002	0		<0.0002		<0.0002	<0.0002	0	<0.0002	<0.0002	0	<0.0002	<0.0002
Calcium	mg/L	0.5		0	35	33	6	18	19	5	18	19	5	24	28	15	30	31
Chromium (VI)	mg/L	0.005																
Chromium (VI) (filtered)	mg/L	0.005																
Chromium (III+VI)	mg/L	0.001		0	0.004	0.004	0	0.003	0.003	0	0.006	0.006	0	<0.001	0.001	0	0.001	<0.001
Chromium (III+VI) (filtered)	mg/L	0.001		0	0.004	0.003	29		<0.001		<0.001	<0.001	0	<0.001	0.002	**67**	<0.001	<0.001
Chromium (III)	mg/L	0.005																
Chromium (III) (filtered)	mg/L	0.005																
Cobalt	mg/L	0.001		0	0.005	0.005	0	0.003	0.002	**40**	0.003	0.004	29	0.002	0.002	0	0.001	0.001
Cobalt (filtered)	mg/L	0.001		0	0.005	0.004	22		<0.001		<0.001	<0.001	0	0.002	0.002	0	<0.001	<0.001
Copper	mg/L	0.001		0	0.008	0.007	13	0.002	<0.001	**67**	0.003	0.004	29	0.002	0.003	**40**	0.003	0.002
Copper (filtered)	mg/L	0.001		0	0.006	0.006	0		<0.001		<0.001	<0.001	0	0.002	0.003	**40**	0.002	0.002
Iron	mg/L	0.05		3	0.38	0.33	14	4.4	3.1	**35**	6.1	6.7	9	0.11	0.11	0	1.2	0.42
Iron (filtered)	mg/L	0.05		0	0.23	0.21	9		<0.05		<0.05	<0.05	0	<0.05	0.06	18	0.10	0.09
Lead	mg/L	0.001		0	<0.001	<0.001	0	0.003	0.002	**40**	0.006	0.007	15	<0.001	<0.001	0	0.002	0.002
Lead (filtered)	mg/L	0.001		0	<0.001	<0.001	0		<0.001		<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001
Lithium	mg/L	0.005		0	<0.005	<0.005	0	<0.005	<0.005	0	<0.005	<0.005	0	0.016	0.016	0	<0.005	<0.005
Lithium (filtered)	mg/L	0.005		0	<0.005	<0.005	0		<0.005		<0.005	<0.005	0	0.015	0.016	6	<0.005	<0.005
Magnesium	mg/L	0.5		0	13	13	0	6.6	6.6	0	7.0	7.5	7	19	21	10	17	16
Manganese	mg/L	0.005		3	0.26	0.26	0	0.22	0.20	10	0.15	0.16	6	0.067	0.067	0	0.075	0.082
Manganese (filtered)	mg/L	0.005		29	0.11	0.11	0		0.020		0.017	0.014	19	0.062	0.061	2	0.071	0.074
Nickel	mg/L	0.001		0	0.017	0.016	6	0.002	0.001	**67**	0.003	0.002	**40**	0.004	0.005	22	0.001	0.001
Nickel (filtered)	mg/L	0.001		0	0.016	0.015	6		<0.001		<0.001	<0.001	0	0.004	0.005	22	<0.001	0.001
Potassium	mg/L	0.5		1	120	110	9	3.0	3.5	15	5.7	6.1	7	3.7	4.0	8	7.3	7.0
Selenium	mg/L	0.001		**100**	0.003	0.003	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001
Selenium (filtered)	mg/L	0.001		0	0.003	0.003	0		<0.001		<0.001	<0.001	0	<0.001	<0.001	0	<0.001	<0.001
Sodium	mg/L	0.5		0	290	280	4	37	38	3	60	63	5	160	170	6	120	110
Vanadium	mg/L	0.005		17	0.010	0.010	0	0.010	0.014	**33**	0.020	0.024	18	<0.005	<0.005	0	0.007	0.005
Vanadium (filtered)	mg/L	0.005		0	0.007	0.007	0		<0.005		<0.005	<0.005	0	<0.005	<0.005	0	<0.005	<0.005
Zinc	mg/L	0.005		18	0.007	0.013	**60**	0.006	0.006	0	0.016	0.014	13	0.015	0.015	0	0.008	0.008
Zinc (filtered)	mg/L	0.005		0	0.006	<0.005	18		<0.005		<0.005	<0.005	0	0.013	0.017	27	<0.005	<0.005
Organic																			
Nitrogen (Organic)	mg/L	0.2																	

*RPDs have only been considered where a concentration is greater than 1 times the EQL.

*Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 30 (1 - 10 x EQL); 30 (10 - 30 x EQL); 30 (> 30 x EQL))

			Lab Report		988289	988289		988289	988289		
			Field ID		GW20	DUP2		SW12	DUP1		
			Matrix		Water	Water		Water	Water		
			Date	RPD	10/05/23	10/05/23	RPD	10/05/23	10/05/23	RPD	
Chem Group	Unit	EQL	RPD								
Metals											
Aluminium	mg/L	0.05		**73**	<0.05	0.10	**67**	0.07	0.14	**67**	
Aluminium (filtered)	mg/L	0.05		11	<0.05	<0.05	0	<0.05	<0.05	0	
Arsenic	mg/L	0.001		0	0.002	0.002	0	0.001	<0.001	0	
Arsenic (filtered)	mg/L	0.001		0	0.001	0.002	**67**	<0.001	<0.001	0	
Beryllium	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Beryllium (filtered)	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Boron	mg/L	0.05		0	0.06	0.06	0	0.08	0.08	0	
Boron (filtered)	mg/L	0.05		0	0.05	0.05	0	0.08	0.07	13	
Cadmium	mg/L	0.0002		0	<0.0002	<0.0002	0	<0.0002	<0.0002	0	
Cadmium (filtered)	mg/L	0.0002		0	<0.0002	<0.0002	0	<0.0002	<0.0002	0	
Calcium	mg/L	0.5		3	6.4	7.0	9	59	54	9	
Chromium (VI)	mg/L	0.005			<0.005	<0.005	0	<0.005	<0.005	0	
Chromium (VI) (filtered)	mg/L	0.005			<0.005	<0.005	0	<0.005	<0.005	0	
Chromium (III+VI)	mg/L	0.001		0							
Chromium (III+VI) (filtered)	mg/L	0.001		0							
Chromium (III)	mg/L	0.005			<0.005	<0.005	0	<0.005	<0.005	0	
Chromium (III) (filtered)	mg/L	0.005			<0.005	<0.005	0	<0.005	<0.005	0	
Cobalt	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Cobalt (filtered)	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Copper	mg/L	0.001		**40**	<0.001	<0.001	0	<0.001	<0.001	0	
Copper (filtered)	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Iron	mg/L	0.05		**96**	2.5	2.7	8	0.09	0.20	**76**	
Iron (filtered)	mg/L	0.05		11	2.5	2.6	4	0.05	<0.05	0	
Lead	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Lead (filtered)	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Lithium	mg/L	0.005		0	<0.005	<0.005	0	<0.005	<0.005	0	
Lithium (filtered)	mg/L	0.005		0	<0.005	<0.005	0	<0.005	<0.005	0	
Magnesium	mg/L	0.5		6	2.9	3.1	7	35	34	3	
Manganese	mg/L	0.005		9	0.050	0.053	6	0.043	0.043	0	
Manganese (filtered)	mg/L	0.005		4	0.042	0.050	17	0.029	0.029	0	
Nickel	mg/L	0.001		0	0.003	<0.001	**100**	0.002	0.002	0	
Nickel (filtered)	mg/L	0.001		0	<0.001	<0.001	0	0.002	0.002	0	
Potassium	mg/L	0.5		4	15	17	12	14	14	0	
Selenium	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Selenium (filtered)	mg/L	0.001		0	<0.001	<0.001	0	<0.001	<0.001	0	
Sodium	mg/L	0.5		9	18	21	15	300	290	3	
Vanadium	mg/L	0.005		**33**	<0.005	<0.005	0	<0.005	<0.005	0	
Vanadium (filtered)	mg/L	0.005		0	<0.005	<0.005	0	<0.005	<0.005	0	
Zinc	mg/L	0.005		0	<0.005	<0.005	0	0.013	0.013	0	
Zinc (filtered)	mg/L	0.005		0	<0.005	<0.005	0	0.010	0.010	0	
Organic											
Nitrogen (Organic)	mg/L	0.2			0.31	<0.2	**43**	1.49	1.4	6	

*RPDs have only been considered where a concentration is greater than 1 times the EQL.

*Elevated RPDs are highlighted as per QAQC Profile settings (Acceptable RPDs for each EQL multiplier range are: 30 (1 - 10 x EQL); 30 (10 - 30 x EQL); 30 (> 30 x EQL))