Onetseel Mayfield Site License 11149
2017 - Annual Groundwater Monitoring Summary of Results - summary of all monitoring wells.
Samples taken in June 2017 and reported in July 2017.

Location				E5	M1/2C	M1/2S	M7/2	M8/2	M8/5	M8/9	E13	E6	F12	F3	M2/1W	M6/1	M8/1EE	W3E	W3F	W4F	W5F	W6E	W6F	W7E	W7F	W8/E	W8/F	M9/4	W9E	E7	F4A	F6	F7	E12	E2A	E3A	E4
EPA Identifier				22	33	34	35	38	36	37	9	8	18	17	29	32	26	3	10	11	12	4	13	5	14	6	15	7	31	23	25	30	24	27	19	20	21
Field Parameters	Units	PQL	Site Criteria*																																		
pH	-	NA	NA	7.49	7.47	7	10.02	6.7	7.71	8.04	8.74	6.88	7.54	6.61	7.47	10.68	7.45	7.32	8.1	11.07	11.29	8.22	7.89	7.87	9.04	7.76	7.7	7.32	6.69	6.79	6.76	7.3	8	6.95	6.95	7.53	6.98
Electrical Conductivity	µs/cm	NA	NA	1091	962	1347	813	1059	451	977	7244	1733	4017	1691	3826	1225	1128	2867	1701	3401	3879	4023	5153	5104	914	1558	817	491.3	204.6	1470	25834	2258	1216	793	1377	173.7	706
Dissolved Oxygen	ppm	NA	NA	1.28	2	1.37	4.55	1.43	2.71	13.9	1.95	2	1.05	0.76	1.7	2.15	2.78	1.66	3.06	5.22	1.84	5.03	1.72	2	2.06	1.96	3.25	1.57	1.77	5.35	4.62	1.74	2.91	1.45	2.42	3.8	1.24
Reduction Potential	mV	NA	NA	-99.8	-118.1	-101	-97.2	-112.5	1.8	63..1	-181.3	-132.6	-140.00	-144.9	-115.7	-279.7	-76.5	-107.6	-130.2	-260	-297.2	-96.3	-150.5	-69.6	-134.2	-57.9	-70.3	94.6	70.1	-82.7	153.2	64.4	45.9	-111.7	-80.9	-35.2	-104.5
Temperature	°C	NA	NA	19.8	22.6	21.2	22	22.6	20.7	24.4	20.3	20.7	20.8	22	20	21.4	21.6	20.4	20.5	21.1	21.5	20.4	20.4	21.2	21.3	21.1	20.5	22.7	22	20.5	18.8	19.8	21.4	23	21.6	22.7	21.4
Salinity	ppt	NA	NA	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turbidity	NTU	NA	NA	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Analytes																																					
Total Cyanide	µg/L	4	7	n/a	n/a	n/a	<4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dissolved Zinc	µg/L	1	23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
TRH C_6 - C_9	µg/L	40	-	<40	<40	<40	n/a	<40	n/a	n/a	<40	<40	n/a	92	n/a	<40	<40	<40	<40	<40	n/a	<40	n/a	n/a	<40	<40	<40	<40	<40	<40	<40	n/a	n/a	<40	<40	<40	<40
TRH C_6 - C_{10}	µg/L	50	-	<50	<50	<50	n/a	<50	n/a	n/a	<50	<50	n/a	100	n/a	<50	<50	<50	<50	<50	n/a	<50	n/a	n/a	<50	<50	<50	<50	<50	<50	<50	n/a	n/a	<50	<50	<50	<50
TRH C_6 - C_{10} less BTEX (F1)	µg/L	50	-	<50	<50	<50	n/a	<50	n/a	n/a	<50	<50	n/a	75	n/a	<50	<50	<50	<50	<50	n/a	<50	n/a	n/a	<50	<50	<50	<50	<50	<50	<50	n/a	n/a	<50	<50	<50	<50
Benzene	µg/L	0.5	900	<0.5	<0.5	<0.5	n/a	<0.5	n/a	n/a	<0.5	<0.5	n/a	7.8	n/a	1	<0.5	<0.5	<0.5	0.9	n/a	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5	<0.5	<0.5
Toluene	µg/L	0.5	230[c]	<0.5	<0.5	<0.5	n/a	<0.5	n/a	n/a	<0.5	<0.5	n/a	1.9	n/a	<0.5	<0.5	<0.5	<0.5	0.6	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	0.5	110[c]	<0.5	<0.5	<0.5	n/a	<0.5	n/a	n/a	<0.5	<0.5	n/a	1.6	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5	<0.5	<0.5
m+p-xylene	µg/L	1	275[a,b]	<1	<1	<1	n/a	<1	n/a	n/a	<1	<1	n/a	7	n/a	<1	<1	<1	<1	<1	n/a	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	n/a	<1	<1	<1	<1
o-xylene	µg/L	0.5	350[a,b]	<0.5	<0.5	<0.5	n/a	<0.5	n/a	n/a	<0.5	<0.5	n/a	7.7	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	<0.5	<0.5	<0.5	<0.5
TRH C_{10} - C_{14}	µg/L	50	-	<50	<50	<50	n/a	190	n/a	n/a	<50	<50	n/a	430	n/a	<50	<50	<50	<50	54	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	n/a	n/a	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	200	-	<200	<200	<200	n/a	<200	n/a	n/a	<200	<200	n/a	1100	n/a	<200	<200	<200	<200	<200	n/a	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	n/a	n/a	<200	<200	<200	<200
TRH C_{29} - C_{36}	µg/L	200	-	<200	<200	<200	n/a	<200	n/a	n/a	<200	<200	n/a	<200	n/a	<200	<200	<200	<200	<200	n/a	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	n/a	n/a	<200	<200	<200	<200
TRH >C_{10} - C_{16}	µg/L	50	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
TRH >C_{10} - C_{16} less Naphthalene (	µg/L	60	-	<60	<60	<60	n/a	220	n/a	n/a	<60	<60	n/a	500	n/a	<60	<60	<60	<60	75	n/a	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	n/a	n/a	<60	<60	<60	<60
TRH >C_{16} - C_{34}	µg/L	500	-	<500	<500	<500	n/a	<500	n/a	n/a	<500	<500	n/a	1100	n/a	<500	<500	<500	<500	<500	n/a	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	n/a	n/a	<500	<500	<500	<500
TRH >C_{34} - C_{40}	µg/L	100	-	<500	<500	<500	n/a	<500	n/a	n/a	<500	<500	n/a	<500	n/a	<500	<500	<500	<500	<500	n/a	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	n/a	n/a	<500	<500	<500	<500
Total TRH C_6 - C_{36}	µg/L	490	260[e]	<500	<500	<500	n/a	410	n/a	n/a	<500	<500	n/a	1675	n/a	<500	<500	<500	<500	75	n/a	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	n/a	n/a	<500	<500	<500	<500
Naphthalene	µg/L	0.1/0.5	90	<0.5	<0.5	<0.5	<0.5	5.4	<0.1	<0.1	<0.5	<0.5	<0.5	11	<0.5	7.9	<0.5	<0.5	<0.5	5.8	59	<0.5	0.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5
Acenaphthylene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Acenaphthene	µg/L	0.1	-	n/a	n/a	n/a	n/a	7	<0.1	0.3	n/a	n/a	n/a	2.6	<0.1	1.6	n/a	n/a	n/a	0.7	2	<0.1	0.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	0.2	n/a	n/a	n/a
Fluorene	µg/L	0.1	-	n/a	n/a	n/a	n/a	1.2	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	0.8	n/a	n/a	n/a	0.1	0.8	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	0.2	n/a	n/a	n/a
Phenanthrene	µg/L	0.1	-	n/a	n/a	n/a	n/a	0.3	<0.1	0.6	n/a	n/a	n/a	0.6	<0.1	0.7	n/a	n/a	n/a	2	1.4	<0.1	0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Anthracene	µg/L	0.1	1.5[L]	n/a	n/a	n/a	n/a	0.3	<0.1	<0.1	n/a	n/a	n/a	0.6	<0.1	<0.1	n/a	n/a	n/a	0.3	0.3	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Fluoranthene	µg/L	0.1	1.7[A]	n/a	n/a	n/a	n/a	0.1	0.1	0.2	n/a	n/a	n/a	1.1	<0.1	0.2	n/a	n/a	n/a	0.6	0.5	<0.1	0.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	0.2	n/a	n/a	n/a
Pyrene	µg/L	0.1	-	n/a	n/a	n/a	n/a	0.2	0.1	0.2	n/a	n/a	n/a	1.5	<0.1	0.1	n/a	n/a	n/a	0.6	0.4	<0.1	0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	0.1	n/a	n/a	n/a
Benzo(a)anthracene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Chrysene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(b+k)fluoranthene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(a)pyrene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Indeno(1,2,3-c,d)pyrene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Dibenzo(a,h)anthracene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(g,h,i)perylene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	<0.1	<0.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(a)pyrene TEQ	µg/L	5	0.4[L]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total +ve PAH's	µg/L	1	-	n/a	n/a	n/a	n/a	23	1	1	n/a	n/a	n/a	24	<1	13	n/a	n/a	n/a	11	70	<1	2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<1	n/a	n/a	<1	n/a	n/a	n/a
Ammonia as N in water	µg/L	0.01		2100	n/a	n/a	n/a	n/a	n/a	n/a	5400	n/a	4700	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1100	n/a	6000	2400	13000	2600	450	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Phenol	µg/L	0.5	-	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	1.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Chlorophenol	µg/L	0.5	-	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Chloro-3-Methylphenol	µg/L	5		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Methylphenol	µg/L	0.5	-	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	2.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3/4-Methylphenol	µg/L	1	-	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Nitrophenol	µg/L	0.5	2[L,bc]	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dimethylphenol	µg/L	1	2[L,bc]	n/a	n/a	n/a	n/a	3.5	n/a	n/a	n/a	n/a	n/a	7	n/a	n/a	n/a	n/a	n/a	n/a	3.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dichlorophenol	µg/L	0.5	-	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,6-Dichlorophenol	µg/L	0.5	-	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4,6-Trichlorophenol	µg/L	0.5	-	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4,5-Trichlorophenol	µg/L	1	4[L]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dinitrophenol	µg/L	2	-	n/a	n/a	n/a	n/a	<2	n/a	n/a	n/a	n/a	n/a	<2	n/a	n/a	n/a	n/a	n/a	n/a	<2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Nitrophenol	µg/L	1	58[L,bc]	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,3,4,6-Tetrachlorophenol	µg/L	1	-	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-methyl-4,6-dinitrophenol	µg/L	10	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pentachlorophenol	µg/L	0.5	-	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Copper (Cu)	µg/L	1	3	20	29	35	5	19	53	5	6	3	n/a	20	6	8	4	3	6	2	45	1	2	3	8	21	16	11	3	2	140	400	19	110	2	76	1
Lead (Pb)	µg/L	1	4.4	<1	<1	<1	<1	<1	<1	<1	3	4	<1	<1	<1	<1	<1	<1	<1	<1	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc (Zn) - filtered	µg/L	5	15	<5	12	13	<5	9	<5	<5	46	8	n/a	<5	<5	<5	8	9	<5	<5	<5	<5	<5	6	<5	<5	<5	<5	760	6	27	500	75	14	<5	<5	10
Total Chromium (Cr)	µg/L	1	4.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Trivalent Chromium (Cr III)	µg/L	1		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hexavalent Chromium (Cr VI)	mg/L	0.004		<0.004	<0.004	<0.004	0.19	<0.004	<0.004	<0.004	<0.004	<0.004	n/a	<0.004	<0.004	<0.004	<0.004	<0.004	0.024	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.005	0.006	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium (Cd)	µg/L	0.1	5.5	0.2	0.1	0.1	<0.1	0.2	0.7	0.2	0.2	<0.1	n/a	<0.1	0.2	0.1	0.1	<0.1	0.2	<0.1	0.1	<0.1	<0.1	<0.1	0.1	0.5	0.1	0.1	0.1	<0.1	0.3	8.8	0.3	37	<0.1	0.5	<0.1
Mercury (Hg)	µg/L	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<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	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Manganese (Mn)	µg/L	1	-	170	100	1500	<1	1800	<1	27	110	390	n/a	1400	41	<1	1	320	<1	<1	<1	200	330	95	7	54	40	19	85	210	<1	10	59	210	2500	92	470

* Australian and New Zealand Environment Conservation Council (ANZECC) 90% Marine Water Quality Guideline Value - for highly disturbed systems

[L] (ANZECC) Based on a low reliability trigger value

[a] (ANZECC) Trigger value of 7µg/L is below laboratory detection level. The PQL of C6-C36 (490 µg/L) has been adopted as the criteria value.

[b] (ANZECC) Freshwater figure adopted for marine environment in the absence of reliable marine data

[c] (ANZECC) Indicative interim working level that may be used until further data becomes available

[d] (ANZECC) 95% Marine Water Quality Guideline Value adopted from Table 8.3.7 based on a pH of 8 - for slightly to moderately disturbed systems

	Detected above limit of Reporting
	Below the limit of reporting
	Not tested as per sampling requirements

Onetseel Mayfield Site License 11149
2017 - Annual Groundwater Monitoring Summary of Results - monitoring wells situated in fill.
Samples taken in June 2017 and reported in July 2017.

Location				M1/2C	M7/2	M8/2	M8/5	M8/9	M6/1	F3	W3F	W4F	W5F	W6F	W7F	W8F	M9/4	F4A	F6	F7	F12
EPA Identifier				33	35	38	36	37	32	17	10	11	12	13	14	15	7	25	30	24	18
Field Parameters	Units	PQL	Site Criteria*																		
pH	-	n/a	n/a	7.47	10.02	6.7	7.71	8.04	10.68	6.61	8.1	11.07	11.29	7.89	9.04	7.7	7.32	6.76	7.3	8	7.54
Electrical Conductivity	µs/cm	n/a	n/a	962	813	1059	451	977	1225	1691	1701	3401	3879	5153	914	817	491.3	25834	2258	1216	4017
Dissolved Oxygen	ppm	n/a	n/a	2	4.55	1.43	2.71	13.9	2.15	0.76	3.06	5.22	1.84	1.72	2.06	3.25	1.57	4.62	1.74	2.91	1.05
Reduction Potential	mV	n/a	n/a	-118.1	-97.2	-112.5	1.8	63..1	-279.7	-144.9	-130.2	-260	-297.2	-150.5	-134.2	-70.3	94.6	153.2	64.4	45.9	-140.00
Temperature	°C	n/a	n/a	22.6	22	22.6	20.7	24.4	21.4	22	20.5	21.1	21.5	20.4	21.3	20.5	22.7	18.8	19.8	21.4	20.8
Salinity	ppt	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turbidity	NTU	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Analytes																					
Total Cyanide	mg/L	0.004	7	n/a	<0.004	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dissolved Zinc	µg/L	1	23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
TRH C_6 - C_9	µg/L	10	-	<40	n/a	<40	n/a	n/a	<40	92	<40	<40	n/a	n/a	<40	<40	<40	<40	n/a	n/a	n/a
TRH C_6 - C_{10}	µg/L	10	-	<50	n/a	<50	n/a	n/a	<50	100	<50	<50	n/a	n/a	<50	<50	<50	<50	n/a	n/a	n/a
TRH C_6 - C_{10} less BTEX (F1)	µg/L	10	-	<50	n/a	<50	n/a	n/a	<50	75	<50	<50	n/a	n/a	<50	<50	<50	<50	n/a	n/a	n/a
Benzene	µg/L	1	900	<0.5	n/a	<0.5	n/a	n/a	1	7.8	<0.5	0.9	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	n/a
Toluene	µg/L	1	230[L]	<0.5	n/a	<0.5	n/a	n/a	<0.5	1.9	<0.5	0.6	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	n/a
Ethylbenzene	µg/L	1	110[L]	<0.5	n/a	<0.5	n/a	n/a	<0.5	1.6	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	n/a
m+p-xylene	µg/L	2	275[Lb]	<1	n/a	<1	n/a	n/a	<1	7	<1	<1	n/a	<1	<1	<1	<1	<1	n/a	n/a	n/a
o-xylene	µg/L	1	350[Lb]	<0.5	n/a	<0.5	n/a	n/a	<0.5	7.7	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	n/a
Naphthalene	µg/L	1	90	<0.5	n/a	<0.5	n/a	n/a	<0.5	32	<0.5	5.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	n/a	n/a
TRH C_{10} - C_{14}	µg/L	50	-	<50	n/a	190	n/a	n/a	<50	430	<50	54	n/a	<50	<50	<50	<50	<50	n/a	n/a	n/a
TRH C_{15} - C_{28}	µg/L	100	-	<200	n/a	<200	n/a	n/a	<200	1100	<200	<200	n/a	<200	<200	<200	<200	<200	n/a	n/a	n/a
TRH C_{29} - C_{36}	µg/L	100	-	<200	n/a	<200	n/a	n/a	<200	<200	<200	<200	n/a	<200	<200	<200	<200	<200	n/a	n/a	n/a
TRH >C_{10} - C_{16}	µg/L	50	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	50	-	<60	n/a	220	n/a	n/a	<60	500	<60	75	n/a	<60	<60	<60	<60	<60	n/a	n/a	n/a
TRH >C_{16} - C_{34}	µg/L	100	-	<500	n/a	<500	n/a	n/a	<500	1100	<500	<500	n/a	<500	<500	<500	<500	<500	n/a	n/a	n/a
TRH >C_{34} - C_{40}	µg/L	100	-	<500	n/a	<500	n/a	n/a	<500	<500	<500	<500	n/a	<500	<500	<500	<500	<500	n/a	n/a	n/a
Total TRH C_6 - C_{36}	µg/L	100	490[a]	<500	n/a	<500	n/a	n/a	<500	1600	<500	<500	n/a	<500	<500	<500	<500	<500	n/a	n/a	n/a
Naphthalene	µg/L	1	90	n/a	n/a	5	<0.1	<0.1	7.9	11	n/a	5.8	59	0.4	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Acenaphthylene	µg/L	1	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Acenaphthene	µg/L	1	-	n/a	n/a	7	<0.1	0.3	1.6	2.6	n/a	0.7	2	0.2	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Fluorene	µg/L	1	-	n/a	n/a	1.2	<0.1	<0.1	0.8	<0.1	n/a	0.1	0.8	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Phenanthrene	µg/L	1	-	n/a	n/a	0.3	<0.1	0.6	0.7	0.6	n/a	2	1.4	0.5	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Anthracene	µg/L	1	1.5[L]	n/a	n/a	0.3	<0.1	<0.1	<0.1	0.6	n/a	0.3	0.3	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Fluoranthene	µg/L	1	1.7[L]	n/a	n/a	0.1	0.1	0.2	0.2	1.1	n/a	0.6	0.5	0.2	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Pyrene	µg/L	1	-	n/a	n/a	0.2	0.1	0.2	0.1	1.5	n/a	0.6	0.4	0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(a)anthracene	µg/L	1	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Chrysene	µg/L	1	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(b+k)fluoranthene	µg/L	2	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(a)pyrene	µg/L	1	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Indeno(1,2,3-c,d)pyrene	µg/L	1	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Dibenzo(a,h)anthracene	µg/L	1	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(g,h,i)perylene	µg/L	1	-	n/a	n/a	<0.1	<0.1	<0.1	<0.1	<0.1	n/a	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(a)pyrene TEQ	µg/L	5	0.4[L]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total +ve PAH's	µg/L	1	-	n/a	n/a	23	1	1	13	24	n/a	11	70	2	n/a	n/a	n/a	<1	n/a	n/a	n/a
Ammonia as N in water	mg/L	0.01	910[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.1	6	13	0.45	n/a	n/a	n/a	n/a	4.7
Phenol	µg/L	1	-	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	1.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Chlorophenol	µg/L	1	-	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Chloro-3-Methylphenol	µg/L	5		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Methylphenol	µg/L	1	-	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	2.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3/4-Methylphenol	µg/L	1	-	n/a	n/a	<1	n/a	n/a	n/a	<1	n/a	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Nitrophenol	µg/L	1	2[Lbc]	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dimethylphenol	µg/L	1	2[Lbc]	n/a	n/a	3.5	n/a	n/a	n/a	7	n/a	n/a	3.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dichlorophenol	µg/L	1	-	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,6-Dichlorophenol	µg/L	1	-	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4,6-Trichlorophenol	µg/L	1	4[L]	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4,5-Trichlorophenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dinitrophenol	µg/L	20	-	n/a	n/a	<2	n/a	n/a	n/a	<2	n/a	n/a	<2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Nitrophenol	µg/L	20	58[Lbc]	n/a	n/a	<1	n/a	n/a	n/a	<1	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,3,4,6-Tetrachlorophenol	µg/L	1	-	n/a	n/a	<1	n/a	n/a	n/a	<1	n/a	n/a	<1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-methyl-4,6-dinitrophenol	µg/L	10	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pentachlorophenol	µg/L	5	-	n/a	n/a	<0.5	n/a	n/a	n/a	<0.5	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Copper (Cu)	µg/L	1	3	29	5	19	53	5	8	20	6	2	45	2	8	16	11	140	400	19	n/a
Lead (Pb)	µg/L	1	4.4	<1	<1	<1	<1	<1	<1	<1	<1	<1	8	<1	<1	<1	<1	<1	<1	<1	<1
Zinc (Zn) - filtered	µg/L	1	15	12	<5	9	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	27	500	75	n/a
Total Chromium (Cr)	µg/L	1	4.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Trivalent Chromium (Cr III)	µg/L	1		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hexavalent Chromium (Cr VI)	µg/L	5		<0.004	0.19	<0.004	<0.004	<0.004	<0.004	<0.004	0.024	<0.004	<0.004	<0.004	<0.004	0.005	0.006	<0.004	<0.004	<0.004	n/a
Cadmium (Cd)	mg/L	0.005	5.5	0.1	<0.1	0.2	0.7	0.2	0.1	<0.1	0.2	<0.1	0.1	<0.1	0.1	0.1	0.1	0.3	8.8	0.3	n/a
Mercury (Hg)	µg/L	0.05	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	<0.1	<0.1	<0.1	<0.1	<0.1	n/a
Manganese (Mn)	µg/L	5	-	100	<1	1800	<1	27	<1	1400	<1	<1	<1	330	7	40	19	<1	10	59	n/a

* Australian and New Zealand Environment Conservation Council (ANZECC) 90% Marine Water Quality Guideline Value - for highly disturbed systems

[L] (ANZECC) Based on a low reliability trigger value

[a] (ANZECC) Trigger value of 7µg/L is below laboratory detection level. The PQL of C6-C36 (490 µg/L) has been adopted as the criteria value.

[b] (ANZECC) Freshwater figure adopted for marine environment in the absence of reliable marine data

[c] (ANZECC) Indicative interim working level that may be used until further data becomes available

[d] (ANZECC) 95% Marine Water Quality Guideline Value adopted from Table 8.3.7 based on a pH of 8 - for slightly to moderately disturbed systems

Onesteel Mayfield Site License 11149
2017 - Annual Groundwater Monitoring Summary of Results - monitoring wells situated in estuarine strata.
Samples taken in June 2017 and reported in July 2017

Location				E5	M1/2S	E13	E6	M2/1W	M8/1EE	W3E	W6E	W7E	W8E	W9E	E7	E12	E2A	E3A	E4
EPA Identifier				22	34	9	8	29	26	3	4	5	6	31	23	27	19	20	21
Field Parameters	Units	PQL	Site Criteria*																
pH	-	n/a	n/a	7.49	7	8.74	6.88	7.47	7.45	7.32	8.22	7.87	7.76	6.69	6.79	6.95	6.95	7.53	6.98
Electrical Conductivity	µs/cm	n/a	n/a	1091	1347	7244	1733	3826	1128	2867	4023	5104	1558	204.6	1470	793	1377	173.7	706
Dissolved Oxygen	ppm	n/a	n/a	1.28	1.37	1.95	2	1.7	2.78	1.66	5.03	2	1.96	1.77	5.35	1.45	2.42	3.8	1.24
Reduction Potential	mV	n/a	n/a	-99.8	-101	-181.3	-132.6	-115.7	-76.5	-107.6	-96.3	-69.6	-57.9	70.1	-82.7	-111.7	-80.9	-35.2	-104.5
Temperature	°C	n/a	n/a	19.8	21.2	20.3	20.7	20	21.6	20.4	20.4	21.2	21.1	22	20.5	23	21.6	22.7	21.4
Salinity	ppt	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Turbidity	NTU	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Analytes																			
Total Cyanide	mg/L	0.004	7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dissolved Zinc	µg/L	1	23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
TRH C_6 - C_9	µg/L	10	-	<40	<40	<40	<40	n/a	<40	<40	<40	n/a	<40	<40	<40	<40	<40	<40	<40
TRH C_6 - C_{10}	µg/L	10	-	<50	<50	<50	<50	n/a	<50	<50	<50	n/a	<50	<50	<50	<50	<50	<50	<50
TRH C_6 - C_{10} less BTEX (F1)	µg/L	10	-	<50	<50	<50	<50	n/a	<50	<50	<50	n/a	<50	<50	<50	<50	<50	<50	<50
Benzene	µg/L	1	900	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/L	1	230[L]	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	1	110[L]	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m+p-xylene	µg/L	2	275[Lb]	<1	<1	<1	<1	n/a	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-xylene	µg/L	1	350[Lb]	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	µg/L	1	90	<0.5	<0.5	<0.5	<0.5	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRH C_{10} - C_{14}	µg/L	50	-	<50	<50	<50	<50	n/a	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH C_{15} - C_{28}	µg/L	100	-	<200	<200	<200	<200	n/a	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
TRH C_{29} - C_{36}	µg/L	100	-	<200	<200	<200	<200	n/a	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
TRH >C_{10} - C_{16}	µg/L	50	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
TRH >C_{10} - C_{16} less Naphthalene (F2)	µg/L	50	-	<60	<60	<60	<60	n/a	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
TRH >C_{16} - C_{34}	µg/L	100	-	<500	<500	<500	<500	n/a	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
TRH >C_{34} - C_{40}	µg/L	100	-	<500	<500	<500	<500	n/a	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
Total TRH C_6 - C_{36}	µg/L	100	260[a]	<500	<500	<500	<500	n/a	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
Naphthalene	µg/L	1	90	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Acenaphthylene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Acenaphthene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	0.2	n/a	n/a	n/a
Fluorene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	0.2	n/a	n/a	n/a
Phenanthrene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Anthracene	µg/L	1	1.5[L]	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Fluoranthene	µg/L	1	1.7[L]	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	0.2	n/a	n/a	n/a
Pyrene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	0.1	n/a	n/a	n/a
Benzo(a)anthracene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Chrysene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(b+k)fluoranthene	µg/L	2	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(a)pyrene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Indeno(1,2,3-c,d)pyrene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Dibenzo(a,h)anthracene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(g,h,i)perylene	µg/L	1	-	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	<0.1	n/a	n/a	n/a	n/a	<0.1	n/a	n/a	n/a
Benzo(a)pyrene TEQ	µg/L	5	0.4[L]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total +ve PAH's	µg/L	1	-	n/a	n/a	n/a	n/a	<1	n/a	n/a	<1	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a
Ammonia as N in water	mg/L	0.01	910[d]	2.1	n/a	5.4	n/a	n/a	n/a	n/a	n/a	2.4	2.6	n/a	n/a	n/a	n/a	n/a	n/a
Phenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Chlorophenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Chloro-3-Methylphenol	µg/L	5		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Methylphenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3/4-Methylphenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-Nitrophenol	µg/L	1	2[Lbc]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dimethylphenol	µg/L	1	2[Lbc]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dichlorophenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,6-Dichlorophenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4,6-Trichlorophenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4,5-Trichlorophenol	µg/L	1	4[L]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,4-Dinitrophenol	µg/L	20	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4-Nitrophenol	µg/L	20	58[Lbc]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2,3,4,6-Tetrachlorophenol	µg/L	1	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2-methyl-4,6-dinitrophenol	µg/L	10	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pentachlorophenol	µg/L	5	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Copper (Cu)	µg/L	1	3	20	35	6	3	6	4	3	1	3	21	3	2	110	2	76	1
Lead (Pb)	µg/L	1	4.4	<1	<1	3	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Zinc (Zn) - filtered	µg/L	1	15	<5	13	46	8	<5	8	9	<5	6	<5	760	6	14	<5	<5	10
Total Chromium (Cr)	µg/L	1	4.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Trivalent Chromium (Cr III)	µg/L	1		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Hexavalent Chromium (Cr VI)	µg/L	5		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium (Cd)	mg/L	0.005	5.5	0.2	0.1	0.2	<0.1	0.2	0.1	<0.1	<0.1	<0.1	0.5	0.1	<0.1	37	<0.1	0.5	<0.1
Mercury (Hg)	µg/L	0.05	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	<0.1	<0.1	<0.1	<0.1
Manganese (Mn)	µg/L	5	-	170	1500	110	390	41	1	320	200	95	54	85	210	210	2500	92	470

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[L] (ANZECC) Based on a low reliability trigger value

[a] (ANZECC) Trigger value of 7µg/L is below laboratory detection level. The PQL of C6-C36 (490 µg/L) has been adopted as the criteria value.

[b](ANZECC) Freshwater figure adopted for marine environment in the absence of reliable marine data

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