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	-	n/a	n/a		9.01	8.69		7.11			9.04	7.42		7.15	7.73	11.23	7.73	7.53	8.84	11.97	12.07		11.47	7.89	9.25	7.98	7.79	7.69	6.57	7.32	6.17	6.88	6.1		7.53	8.15	7.23
Electrical Conductivity	µs/cm	n/a	n/a		1143	1159		987			4200	2176		1375	3731	1509	1184	3164	803	3838	4804		3100	5700	1035	1506	875	517	275.4	1616	13938	3195	938		1505	425	758
Dissolved Oxygen	ppm	n/a	n/a		2.01	2.4		3.27			1.23	2.45		1.69	2.54	1.93	2.92	2.39	3.17	0.06	2.21		1.94	2.27	2.73	2.06	2.42	2.29	1.08	0.92	2.91	2.12	2.6		3.2	3.36	2.3
Reduction Potential	mV	n/a	n/a		-147.6	-15.4		-109.5			-228	-132.6		-164.9	-156.1	-219.8	15.3	-71.7	14.9	-254.5	-246		-133.3	-51.3	-136	-44.4	-92.3	-5.4	-28.3	-96.7	13.9	8.2	51.3		-102.6	-151.4	-140
Temperature	°C	n/a	n/a		22.3	22.1		22.7			21	23.4		22.7	21.8	22.3	23.1	21.3	21.8	22	22.2		22.5	22.2	22.4	22.8	22.4	23.2	23.1	22.7	24.8	25.9	25.5		22.7	22.6	23.9
Salinity	ppt	n/a	n/a		0.69	0.7		0.59			2.75	1.34		0.83	2.36	0.95	0.71	2.02	0.48	2.47	3.24		1.99	3.75	0.62	0.92	0.52	0.3	0.16	0.98	9.72	2	0.53		0.91	0.25	0.45
Turbidity	NTU	n/a	n/a																																		
Analytes																																					
Total Cyanide	mg/L	0.004	7	n/a	n/a	n/a	<0.004	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	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	5	23	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2200	200	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	ns	<40	n/a	<40	<40	<40	<40	<40	n/a	ns	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
TRH C_6 - C_{10}	µg/L	50	-	<50	<50	<50	n/a	<50	n/a	n/a	<50	<50	ns	55	n/a	<50	<50	<50	<50	<50	n/a	ns	<50	<50	<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	ns	<50	n/a	<50	<50	<50	<50	<50	n/a	ns	<50	<50	<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	ns	9.1	n/a	<0.5	<0.5	<0.5	<0.5	0.7	n/a	ns	<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
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	ns	5.4	n/a	<0.5	<0.5	<0.5	<0.5	0.6	n/a	ns	<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	ns	1.7	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	ns	<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[1b]	<1	<1	<1	n/a	<1	n/a	n/a	<1	<1	ns	5	n/a	<1	<1	<1	<1	<1	n/a	ns	<1	<1	<1	<1	<1	<1	<1	<1	<1	n/a	n/a	<1	<1	<1	<1
o-xylene	µg/L	0.5	350[1b]	<0.5	<0.5	<0.5	n/a	<0.5	n/a	n/a	<0.5	<0.5	ns	7.2	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	ns	<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
Naphthalene	µg/L	0.5	90	<0.5	<0.5	<0.5	n/a	<0.5	n/a	n/a	1.6	<0.5	ns	44	n/a	<0.5	<0.5	<0.5	<0.5	<0.5	n/a	ns	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5	n/a	n/a	<0.5	1.6	<0.5	<0.5
TRH C_{10} - C_{14}	µg/L	50	-	<50	<50	<50	n/a	87	n/a	n/a	<50	<50	ns	620	n/a	<50	<50	<50	<50	<50	n/a	ns	<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	ns	1600	n/a	<200	<200	<200	<200	<200	n/a	ns	<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	ns	<200	n/a	<200	<200	<200	<200	<200	n/a	ns	<200	<200	<200	<200	<200	<200	<200	<200	<200	n/a	n/a	<200	<200	<200	<200
TRH >C_{10} - C_{16}	µg/L	n/a	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	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	60	-	<60	<60	<60	n/a	99	n/a	n/a	<60	<60	ns	720	n/a	<60	<60	<60	<60	<60	n/a	ns	<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	ns	1400	n/a	<500	<500	<500	<500	<500	n/a	ns	<500	<500	<500	<500	<500	<500	<500	<500	<500	n/a	n/a	<500	<500	<500	<500
TRH >C_{34} - C_{40}	µg/L	500	-	<500	<500	<500	n/a	<500	n/a	n/a	<500	<500	ns	<500	n/a	<500	<500	<500	<500	<500	n/a	ns	<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[a]	<490	<490	<490	n/a	186	n/a	n/a	<490	<490	ns	2220	n/a	<490	<490	<490	<490	<490	n/a	ns	<490	<490	<490	<490	<490	<490	<490	<490	<490	n/a	n/a	<490	<490	<490	<490
Naphthalene	µg/L	0.1	90	n/a	n/a	n/a	n/a	0.2	<0.1	1.1	n/a	n/a	ns	20	<0.1	<0.1	n/a	n/a	n/a	0.7	87	ns	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
Acenaphthylene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	<0.1	0.1	n/a	n/a	ns	1.2	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	6.9	<0.1	0.4	n/a	n/a	ns	2.8	<0.1	0.2	n/a	n/a	n/a	0.5	1.9	ns	0.3	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
Fluorene	µg/L	0.1	-	n/a	n/a	n/a	n/a	1.3	<0.1	<0.1	n/a	n/a	ns	0.1	<0.1	0.6	n/a	n/a	n/a	0.2	0.9	ns	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
Phenanthrene	µg/L	0.1	-	n/a	n/a	n/a	n/a	0.2	<0.1	0.7	n/a	n/a	ns	0.6	<0.1	0.5	n/a	n/a	n/a	0.8	1.4	ns	0.7	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[1]	n/a	n/a	n/a	n/a	0.3	<0.1	0.1	n/a	n/a	ns	0.9	<0.1	<0.1	n/a	n/a	n/a	0.2	0.3	ns	0.2	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[1]	n/a	n/a	n/a	n/a	0.1	0.2	0.2	n/a	n/a	ns	1.5	<0.1	0.2	n/a	n/a	n/a	0.4	0.5	ns	0.3	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
Pyrene	µg/L	0.1	-	n/a	n/a	n/a	n/a	<0.1	0.2	0.1	n/a	n/a	ns	2.2	<0.1	0.1	n/a	n/a	n/a	0.3	0.5	ns	0.2	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	ns	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	ns	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	ns	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	ns	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	ns	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	ns	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	ns	<0.1	<0.1	<0.1	n/a	n/a	n/a	<0.1	<0.1	ns	<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	-	0.4[c]	n/a	n/a	n/a	n/a	0.1	0.1	0.1	n/a	n/a	ns	0.1	0.1	0.1	n/a	n/a	n/a	0.1	0.1	ns	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
Total +ve PAH's	µg/L	1	-	n/a	n/a	n/a	n/a	14	<1	3	n/a	n/a	ns	37	<1	2	n/a	n/a	n/a	3	97	ns	3	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	mg/L	0.01	910[d]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	3.3	14	n/a	n/a	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	520	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	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	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a
4-Chloro-3-Methylphenol	µg/L	2		n/a	n/a	n/a	n/a	<2	n/a	n/a	n/a	n/a	ns	<2	n/a	n/a	n/a	n/a	n/a	n/a	<2	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	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	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	1.8	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<1	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	ns	<1	n/a	n/a	n/a	n/a	n/a	n/a	<1	ns	n/a	n/a	n/a	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[1bc]	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	ns	n/a	n/a	n/a	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	0.5	2[1bc]	n/a	n/a	n/a	n/a	9.5	n/a	n/a	n/a	n/a	ns	17	n/a	n/a	n/a	n/a	n/a	n/a	2	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	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	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	2.3	ns	n/a	n/a	n/a	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	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	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	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a
2,4,5-Trichlorophenol	µg/L	0.5	4[c]	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a	n/a	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<2	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	ns	<2	n/a	n/a	n/a	n/a	n/a	n/a	<2	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	n/a	n/a	n/a
4-Nitrophenol	µg/L	1	58[1bc]	n/a	n/a	n/a	n/a	<1	n/a	n/a	n/a	n/a	ns	<1	n/a	n/a	n/a	n/a	n/a	n/a	<1	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	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	ns	<1	n/a	n/a	n/a	n/a	n/a	n/a	<1	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<2	n/a	n/a	n/a
2-methyl-4,6-dinitrophenol	µg/L	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	<1	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	ns	<0.5	n/a	n/a	n/a	n/a	n/a	n/a	<0.5	ns	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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

[c] (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 Manufacturing Pty Ltd
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