

GEELOG LEATHER PTY LTD - CULCAIRN

IRRIGATION EFFLUENT TEST RESULTS 2018

EPA ID LOCATION: 13

EPA LICENSE NUMBER: 3465



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	HIGH	LOW	AVE
Ammonia as N in water - mg/L	345	210	0.01	365	169	309	371	143	NS	183	NS	240	371	0.01	233.50
BOD - mg/L	2390	3790	2200	2230	2210	2730	2980	2590	NS	3960	NS	3590	3960	2200	2867.00
Chloride - mg/L	1400	1561	1069	1076	1644	1202	1314	1057	NS	1771	NS	1323	1771	1057	1341.70
Chromium Total - mg/L	4.97	3.08	1.78	2.69	0.05	0.12	2.55	0.08	NS	0.1	NS	1.8	4.97	0.05	1.72
Electrical Conductivity - µS/cm	8930	8740	10950	18210	14400	10230	17000	11740	NS	20200	NS	7160	20200	7160	12756.00
Oil & Grease (LLE) - mg/L	285	108	102	128	122	250	43	195	NS	99	NS	92	285	43	142.40
pH - pH Units	8.8	10.3	8.3	8.2	9.2	8.4	8.3	11.1	NS	12.1	NS	9.6	12.1	8.2	9.56
Total Phosphorus - mg/L	14.3	12.8	5.66	6.51	9.92	7.2	10.3	18	NS	16.6	NS	20.8	20.8	5.66	12.21
Sodium - mg/L	1513	1694	1586	1842	1649	1929	1881	1180	NS	1295	NS	979	1929	979	1554.80
Sulphate, SO4 - mg/L	2220	2180	2870	3290	2390	2850	3330	1280	NS	653	NS	896	3330	653	2195.90
Total Kjeldahl Nitrogen - mg/L	436	499	328	510	467	410	770	370	NS	719	NS	630	770	328	513.90
Nitrogen Total - mg/L	436	500	328	511	468	410	770	371	NS	720	NS	632	770	328	514.60
Nitrate N - mg/L	0.01	0.74	0.01	0.58	0.67	0.03	0.1	0.94	NS	0.74	NS	2.3	2.3	0.01	0.61
Nitrite N - mg/L	0.01	0.01	0.01	0.02	0.03	0.01	0.01	0.1	NS	0.09	NS	0.1	0.1	0.01	0.04
Total Suspended Solids @ 103-105°C - mg/L	2640	2620	1080	2060	2880	2720	2121.21	1940	NS	840	NS	1800	2880	840	2070.12
Total Dissolved Solids (grav) - mg/L	6390	9220	8340	8100	8040	8030	8320	6120	NS	8630	NS	6710	9220	6120	7790.00
Sulphide - mg/L	124	70.5	168	221	105	248	233	98	NS	44	NS	84	248	44	139.55
Sulphite - mg/L	48	150	10	30	70	20	150	20	NS	270	NS	28	270	10	79.60
Sulphur - mg/L	752	1100	1070	1180	1020	908	5880	696	NS	966	NS	695	5880	695	1426.70
Hexavalent Chromium, Cr6+ - mg/L	1	0.05	0.5	0.01	0.01	0.01	0.01	0.01	NS	0.1	NS	0.05	1	0.01	0.18
COD - mgO ₂ /L	5760	8380	4880	5420	4290	6800	5660	5620	NS	9260	NS	7940	9260	4290	6401.00
Potassium - mg/L	79.3	88.8	75.4	72.3	69.8	1.2	53.2	90.4	NS	91.9	NS	55.2	91.9	1.2	67.75
Calcium - mg/L	449	654	170	209	569	283	128	524	NS	447	NS	109	654	109	354.20
Magnesium - mg/L	171	157	208	169	170	229	243	88	NS	10	NS	7.8	243	7.8	145.28
Manganese - mg/L	43.7	15.7	4.86	9.95	28.3	10.6	5.54	12.2	NS	20	NS	17.6	43.7	4.86	16.85
SAR	15	15	19	23	16	21	23	13	NS	17	NS	24	24	13	18.60