

GEELOG LEATHER PTY LTD - CULCAIRN

IRRIGATION EFFLUENT TEST RESULTS 2017

EPA ID LOCATION: 13

EPA LICENSE NUMBER: 3465



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	HIGH	LOW	AVE
Ammonia as N in water - mg/L	266	304	0.12	520	180	195	289	121	121	123	162	276	520	0.12	213.09
BOD - mg/L	1780	1740	1700	2010	4020	3210	2600	3610	3480	2300	4840	2120	4840	1700	2784.17
Chloride - mg/L	590	893	1330	1239	1752	1310	1370	1311	1349	1274	1401	1391	1752	590	1267.50
Chromium Total - mg/L	0.1	1.05	1.11	6.78	1.47	0.0001	2.46	0.1	0.51	0.22	2	0.05	6.78	0.0001	1.32
Electrical Conductivity - µS/cm	8820	10250	14370	24400	8910	10950	10710	8150	30000	8270	9160	14680	30000	8150	13222.50
Oil & Grease (LLE) - mg/L	263	240	52	65	381	66	232	142	178	95	158	195	381	52	172.25
pH - pH Units	7.2	7.4	7.1	6.8	10.6	9.1	8.6	11.9	10.2	12.3	12.5	8.5	12.5	6.8	9.35
Total Phosphorus - mg/L	8.02	9.9	0.1	2.06	15.2	7.48	7.27	19.3	13.7	17.1	18.8	11.8	19.3	0.1	10.89
Sodium - mg/L	1537	1570	1417	2146	1653	1590	1712	1400	1124	933	1335	1456	2146	933	1489.42
Sulphate, SO4 - mg/L	1180	1980	1920	3140	1910	2520	3160	1570	728	433	938	1970	3160	433	1787.42
Total Kjeldahl Nitrogen - mg/L	553	462	395	553	638	335	440	594	841	480	719	554	841	335	547.00
Nitrogen Total - mg/L	553	462	409	553	639	335	440	596	842	481	723	554	842	335	548.92
Nitrate N - mg/L	0.01	0.03	14.3	0.1	0.78	0.19	0.1	1.78	1.1	1.07	4.26	0.01	14.3	0.01	1.98
Nitrite N - mg/L	0.04	0.03	0.04	0.01	0.04	0.04	0.02	0.03	0.1	0.03	0.1	0.01	0.1	0.01	0.04
Total Suspended Solids @ 103-105°C - mg/L	920	3100	1000	1850	4140	2580	2016.67	2440	2440	1783.33	2920	2520	4140	920	2309.17
Total Dissolved Solids (grav) - mg/L	5780	7730	8790	8590	10500	9430	8110	7760	8450	7050	8830	6410	10500	5780	8119.17
Sulphide - mg/L	24.6	16.2	386	8.6	16.9	0.3	106	1	1	0.1	0.4	254	386	0.1	67.93
Sulphite - mg/L	20	100	160	260	195	155	130	200	225	30	38	53	260	20	130.50
Sulphur - mg/L	4450	807	807	1480	1170	1210	1170	981	773	595	976	1060	4450	595	1289.92
Hexavalent Chromium, Cr6+ - mg/L	0.1	0.1	0.01	0.1	0.1	0	0.1	0.1	0.5	0.1	0.1	0.05	0.5	0	0.12
COD - mgO ₂ /L	4190	5880	3370	5160	9620	6040	6700	8820	13100	5280	12000	7280	13100	3370	7286.67
Potassium - mg/L	95.1	34	58.5	54.5	51.7	43.6	28.6	84.7	85.1	102	111	75.6	111	28.6	68.70
Calcium - mg/L	162	366	184	499	674	287	154	558	643	635	699	395	699	154	438.00
Magnesium - mg/L	142	213	215	327	111	182	277	121	16	23	16	188	327	16	152.58
Manganese - mg/L	16.3	41.5	9.13	4.46	46	25.8	2.2	42	59.2	28.3	55.4	19.5	59.2	2.2	29.15
SAR	21	16	17	18	16	18	19	14	12	9.9	145	15	145	9.9	26.74