

GEELOG LEATHER PTY LTD - CULCAIRN

IRRIGATION EFFLUENT TEST RESULTS 2020

EPA ID LOCATION: 13

EPA LICENSE NUMBER: 3465



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	HIGH	LOW	AVE
Ammonia as N in water - mg/L	300	416	24.9	239	324	411	456	368	68	118			456	24.9	272.49
BOD - mg/L	2400	3320	3130	3970	2250	2880	2400	1920	3630	2900			3970	1920	2880.00
Chloride - mg/L	1087	1387	785	1357	1345	1887	1493	1206	1495	1153			1887	785	1319.50
Chromium Total - mg/L	1	0.2	0.1	0.1	1.54	0.1	0.12	1	0.1	0.09			1.54	0.09	0.44
Electrical Conductivity - µS/cm	10290	11410	10440	7190	9720	10290	8410	10230	5850	5350			11410	5350	8918.00
Oil & Grease (LLE) - mg/L	469	147	361	233	126	174	199	278	114	213			469	114	231.40
pH - pH Units	8.4	8.4	7.9	10.2	7.7	8	7.9	9	10.3	10.8			10.8	7.7	8.86
Total Phosphorus - mg/L	14.9	5.37	8.4	12	4.05	8.26	11.3	5.62	74.9	15.8			74.9	4.05	16.06
Sodium - mg/L	1177	1762	1080	955	1568	2730	1415	1665	1200	1114			2730	955	1466.60
Sulphate, SO4 - mg/L	2800	2980	3210	2420	2500	2620	1650	2750	510	799			3210	510	2223.90
Total Kjeldahl Nitrogen - mg/L	462	548	501	633	409	629	790	404	743	596			790	404	571.50
Nitrogen Total - mg/L	462	548	502	634	409	629	790	404	743	597			790	404	571.80
Nitrate N - mg/L	0.44	0.1	0.64	0.9	0.01	0.1	0.55	0.54	0.27	1.29			1.29	0.01	0.48
Nitrite N - mg/L	0.01	0.07	0.07	0.02	0.01	0.1	0.5	0.1	0.1	0.04			0.5	0.01	0.10
Total Suspended Solids @ 103-105°C - mg/L	2155.56	2360	1630	2448.98	1150	860	2580	660	1800	1000			2580	660	1664.45
Total Dissolved Solids (grav) - mg/L	7730	8110	11100	7300	7310	7270	6280	6900	7650	7450			11100	6280	7710.00
Sulphide - mg/L	298	197	297	102	113	197	158	86.8	21	0.2			298	0.2	147.00
Sulphite, SO3 - mg/L	45	50	40	140	55	65	35	45	20	45			140	20	54.00
Sulphur - mg/L	964	1120	1840	947	948	942	4470	1010	757	658			4470	658	1365.60
Hexavalent Chromium, Cr6+ - mg/L	1	0.01	0.1	0.1	0.1	0.11	0.1	1	0.1	0.05			1	0.01	0.27
COD - mgO ₂ /L	8520	7280	18800	9000	5960	4800	9600	4560	14400	6960			18800	4560	8988.00
Potassium - mg/L	47.1	57	32.3	47.9	100	109	54.2	66.3	105	81.7			109	32.3	70.05
Calcium - mg/L	212	389	191	406	235	283	289	222	203	371			406	191	280.10
Magnesium - mg/L	181	264	141	128	171	325	128	266	15.2	17.1			325	15.2	163.63
Manganese - mg/L	14.5	24.7	13.4	29.2	22.5	39.6	32.6	28.6	31.6	48.8			48.8	13.4	28.55
SAR	14	17	14	11	19	26	17	18	22	15			26	11	17.30