

GEE LONG LEATHER PTY LTD - CULCAIRN

IRRIGATION EFFLUENT TEST RESULTS 2019

EPA ID LOCATION: 13

EPA LICENSE NUMBER: 3465



*Not Tested (NT) No Sample (NS)

ANALYSIS	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	HIGH	LOW	AVE
Ammonia as N in water - mg/L	193	151	153	180	302	534	294	393	158	140	204	1.33	534	1.33	225.28
BOD - mg/L	1990	2030	1210	1240	2250	3150	1670	2160	2360	3790	6250	882	6250	882	2415.17
Chloride - mg/L	1163	1453	1171	1478	1113	1193	1475	805	1318	963	1241	1838	1838	805	1267.58
Chromium Total - mg/L	9.98	0.05	0.1	0.05	0.16	0.06	0.1	1	1	1	0.1	0.19	9.98	0.05	1.15
Electrical Conductivity - µS/cm	9760	9320	11220	8050	10620	15480	22000	13050	8690	6210	5810	15200	22000	5810	11284.17
Oil & Grease (LLE) - mg/L	227	63	125	93	108	215	90	297	278	57	158	142	297	57	154.42
pH - pH Units	7.9	10.1	11.6	11.3	7.5	8.7	8.3	8.2	12	11.9	10.5	8.5	12	7.5	9.71
Total Phosphorus - mg/L	5.32	8.49	14.2	13.6	2.31	0.1	0.1	10.2	13.4	16.9	20	5.31	20	0.1	9.16
Sodium - mg/L	1600	1804	1070	1598	1649	1534	2336	1597	1169	936	1020	1835	2336	936	1512.33
Sulphate, SO4 - mg/L	3150	2960	1370	4180	2500	1960	3240	2540	656	802	780	4570	4570	656	2392.33
Total Kjeldahl Nitrogen - mg/L	286	467	704	762	308	551	570	495	809	855	678	307	855	286	566.00
Nitrogen Total - mg/L	286	467	705	764	308	551	570	495	810	856	679	307	856	286	566.50
Nitrate N - mg/L	0.1	0.01	1	2.1	0.1	0.1	0.1	0.1	0.87	0.62	1.27	0.02	2.1	0.01	0.53
Nitrite N - mg/L	0.05	0.03	0.01	0.1	0.1	0.1	0.1	0.05	0.15	0.16	0.16	0.01	0.16	0.01	0.09
Total Suspended Solids @ 103-105°C - mg/L	1780	2640	2460	129.97	64.95	2840	2400	1653.85	1057.69	1020	1083.33	869.57	2840	64.95	1499.95
Total Dissolved Solids (grav) - mg/L	8510	8990	7440	9860	7990	6660	9340	6580	9080	6760	5820	9920	9920	5820	8079.17
Sulphide - mg/L	104	127	140	20.5	122	335	294	309	30	0.5	19.6	84.8	335	0.5	132.20
Sulphite - mg/L	2	185	20	280	270	50	100	35	40	50	50	75	280	2	96.42
Sulphur - mg/L	1200	1410	902	1380	1090	210	334	1070	649	686	719	1520	1520	210	930.83
Hexavalent Chromium, Cr6+ - mg/L	0.1	0.01	0.1	0.05	0.1	0.05	0.1	1	1	1	0.2	0.1	1	0.01	0.32
COD - mgO ₂ /L	4360	4340	6280	9100	5900	5620	5100	6660	10400	10500	9580	4160	10500	4160	6833.33
Potassium - mg/L	89.7	45.5	38.6	40.4	77.4	88.3	85.2	59.8	69.8	59.4	71	25.4	89.7	25.4	62.54
Calcium - mg/L	213	381	733	699	191	261	376	266	702	239	314	288	733	191	388.58
Magnesium - mg/L	275	303	108	114	220	161	468	228	16	9.8	16	440	468	9.8	196.57
Manganese - mg/L	20.5	14.9	21.8	38.8	4.3	24.6	0.765	33.2	55.5	20	48.6	22.6	55.5	0.765	25.46
SAR	17	17	9.8	15	19	18	19	17	12	16	15	16	19	9.8	15.90