

GEELONG LEATHER PTY LTD - CULCAIRN

PIEZOMETER TEST RESULTS 2019

EPA ID LOCATION: 14, 15, 16, 17, 18, 19, 20, 21, 37, 38, 39, 40, 41

EPA LICENSE NUMBER: 3465



*Not Tested (NT) No Sample (NS)

ANALYSIS	PIEZO 1	PIEZO 2	PIEZO 3	PIEZO 4	PIEZO 5	PIEZO 6	PIEZO 7	PIEZO 8	PIEZO 9	PIEZO 10	PIEZO 11	PIEZO 12	PIEZO 13	HIGH	LOW	AVE
Chromium Total - mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0
Electrical Conductivity - µS/m	4310	4760	23500	8550	10310	20800	12280	3640	6970	13960	8960	24400	21500	24400	3640	12610.8
Nitrogen Total - mg/L	101	3	0.2	53.9	5.4	0.7	1.5	10	0.2	0.1	4.3	2	0.7	101	0.1	14.1
pH - pH units	6.6	7.1	7	6.9	6.9	6.8	7.1	7.8	6.9	6.9	7	6.7	6.9	7.8	6.6	7.0
Phosphorus Total - mg/L	0.1	0.1	0.287	0.112	0.1	0.268	0.199	0.1	0.1	0.1	0.1	0.1	0.1	0.287	0.1	0.1
Redox Potential	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0	0	#DIV/0!
Standing Water Level - m	5.9	7.8	5.3	5.8	4.8	4.2	4.5	5.2	3.1	4.1	4.6	4.2	3.7	7.8	3.05	4.9
Sulphide - mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
BOD - mg/L	2	2	2	2	2	2	2	2	2	2	2	2	4	4	2	2.2
Total Kjeldahl Nitrogen as N- mg/L	7.2	0.3	0.2	9	0.1	0.4	0.2	0.8	0.2	0.1	0.1	0.2	0.7	9	0.1	1.5
Nitrate N - mg/L	416	11.8	0.62	199	23.7	1.37	6.82	40.7	0.01	0.13	18.7	8.9	0.01	416	0.01	56.0
Nitrite N - mg/L	0.01	0.003	0.003	0.01	0.003	0.01	0.003	0.01	0.003	0.003	0.003	0.01	0.003	0.01	0.003	0.0
Total Suspended Solids @103-105°C -mg/L	44	33	48	27	28	65	35	30	40	54.35	71.43	214.29	170.21	214.29	27	66.2
Total Dissolved Solids - mg/L	3660	3210	14500	7660	8090	13400	9940	2370	5020	8090	6040	15200	14000	15200	2370	8552.3
Ammonia as N in water - mg/L	0.09	0.02	0.04	0.05	0.01	0.33	0.07	0.04	0.01	0.01	0.01	0.04	0.08	0.33	0.01	0.1
Sulphate, SO4 - mg/L	820	755	1350	1620	986	1480	1330	240	404	763	836	1680	1660	1680	240	1071.1
Sulphite - mg/L	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0
Hexavalent Chromium, Cr6+ - mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0
COD - mgO ₂ /L	10	12	52	23	22	39	19	10	100	100	100	100	18	100	10	46.5
Chloride - mg/L	822	1003	5603	1990	3372	5638	3819	920	1306	3433	1806	6340	5735	6340	822	3214.4
Sodium - mg/L	389	655	1874	840	1207	1861	1411	471	692	1432	1036	2717	1928	2717	389	1270.2
Potassium mg/L	5.86	6.61	20.3	11.1	12.4	16.4	16.1	3.54	9.01	16.9	14.4	35.3	31.8	35.3	3.54	15.4
Calcium - mg/L	254	143	823	484	451	695	538	109	294	303	251	571	788	823	109	438.8
Magnesium - mg/L	201	128	739	423	379	709	511	114	208	259	248	644	766	766	114	409.9
Manganese - mg/L	0.004	0.034	0.023	0.004	0.004	0.736	0.091	0.004	2.17	0.859	0.022	0.004	4.3	4.3	0.004	0.6
Arsenic - mg/L	0.001	0.001	0.001	0.001	0.001	0.005	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.005	0.001	0.0014
Cadmium - mg/L	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.001	0.0001	0.0002
Copper - mg/L	0.001	0.001	0.002	0.001	0.001	0.001	0.023	0.001	0.001	0.001	0.001	0.002	0.001	0.023	0.001	0.0
SAR - SAR Units	4.4	9.6	11	6.7	10	12	10	7.5	7.6	15	11	19	12	19	4.4	10.4
Total Sulfur - mg/L	354	308	701	685	434	740	733	85	135	254	279	559	553	740	85	447.7
Iron - mg/L	0.64	0.18	0.05	1.26	1.05	0.07	0.54	0.56	NT	NT	NT	NT	NT	1.26	0.05	0.5
DEM (Oil and Grease) - mg/L	5	5	5	5	5	5	5	5	6	5	5	5	5	6	5	5.1
Lead - mg/L	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.001
Mercury - mg/L	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0001	0.0003	0.0001	0.0001
Nickel - mg/L	0.004	0.002	0.004	0.003	0.005	0.016	0.006	0.001	0.007	0.006	0.004	0.006	0.054	0.054	0.001	0.009
Zinc - mg/L	0.030	0.014	0.043	0.016	0.016	0.041	0.120	0.005	0.015	0.042	0.025	0.021	0.055	0.12	0.005	0.034