

**LORIS H HASSALL TRADING PTY LTD**

**TREATED BRINE EFFLUENT TEST RESULTS 2019**

EPA ID LOCATION: NA

EPA LICENSE NUMBER: 12765



\*Not Tested (NT) No Sample (NS)

ANALYSIS	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	HIGH	LOW	AVE
pH - pH Units	NT	6.9	6.7	6.4	8.64	7.35	8.8	6.58	8.8	9.9	9.7	9.7	9.9	6.4	8.13
EC (Electrical Conductivity) - µS/cm	NT	529000	492000	525000	499000	521000	346000	378000	408000	394000	489000	460000	529000	346000	458272.73
Chloride - mg/L	NT	159428	162037	153786	162061	150350	136554	124740	91871	50509	153666	147088	162061	50509	135644.55
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	NT	898	1240	1100	949	949	1030	1310	1010	1130	1270	1390	1390	898	1116.00
Total P (Phosphorus) - mg/L	NT	50.9	70	63.5	49	71	34.6	83	85.3	152	0.1	0.149	152	0.1	59.96
Total Suspended Solids - mg/L	NT	NT	NT	NT	NT	NT	NT	NT	5040	5535.71	4640	5600	5600	4640	5203.93
TDS (Total Dissolved Solids) - mg/L	NT	NT	NT	NT	NT	NT	NT	NT	288000	249000	261000	262000	288000	249000	265000.00
BOD (Biological Oxygen Demand) - mg/L	NT	7310	5580	5570	6870	4080	8710	8700	3260	7680	8570	3350	8710	3260	6334.55
COD (Chemical Oxygen Demand) - mg/L	NT	NT	NT	NT	NT	NT	NT	NT	19200	17800	22100	28500	28500	17800	21900.00
Nitrate - mg/L	NT	NT	NT	NT	NT	NT	NT	NT	0.3	0.77	0.1	0.1	0.77	0.1	0.32
Nitrite N - mg/L	NT	NT	NT	NT	NT	NT	NT	NT	0.3	0.17	0.16	0.1	0.3	0.1	0.18
Total N (Nitrogen) - mg/L	NT	898	1240	1100	949	950	1030	1310	1010	1130	1270	1390	1390	898	1116.09
DEM (Oil & Grease) - mg/L	NT	13	57	43	20	5	24	15	16	11	14	7	57	5	20.45
Sodium - mg/L	NT	88983	162037	90197	90510	674	93768	80711	105318	57245	98806	61407	162037	674	84514.18
Potassium - mg/L	NT	1000	838	1230	923	5320	1120	607	674	802	881	413	5320	413	1255.27
Calcium - mg/L	NT	10	3	75	35.6	1670	64	67	44	27	76	30	1670	3	191.05
Magnesium - mg/L	NT	44	25	90	75.1	1160	0.004	84	60	18	61	16.7	1160	0.004	148.53
SAR	NT	2695	3938	1663	1974	3.1	2005	1555	2428	2115	2050	2238	3938	3.1	2060.37