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Australian Water Quality Centre

FINAL REPORT: 189839

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Analytical Results

Customer Sample Description	Lobe C Pit Lake
Sampling Point	94666-Alinta Energy
Sampled Date	12/09/2016 5:59:00AM
Sample Received Date	12/09/2016 6:11:05PM
Sample ID	2016-006-1676
Status	Endorsed
Collection Type	Customer Collected

Australian Laboratory Services Pty Ltd	LOR	Result
Sample temperature at time of receipt NA		
Acidity W09-023		
# !External Lab Report No.		EM1610920
Acidity as Calcium Carbonate		271 mg/L

Inorganic Chemistry - Metals	LOR	Result
Sample temperature at time of receipt NA		
Aluminium - Soluble TIC-006 W09-023		
Aluminium - Soluble	0.001	38.14 mg/L
Antimony - Total TIC-006 W09-023		
Antimony - Total	0.0005	<0.0005 mg/L
Arsenic - Total TIC-006 W09-023		
Arsenic - Total	0.0003	0.0011 mg/L
Barium - Total TIC-006 W09-023		
Barium - Total	0.0005	0.0314 mg/L
Boron - Soluble TIC-006 W09-023		
Boron - Soluble	0.020	3.42 mg/L
Cadmium - Total TIC-006 W09-023		
Cadmium - Total	0.0001	0.0091 mg/L
Calcium TIC-004 W09-023		
Calcium	0.1	695 mg/L
Chromium - Total TIC-006 W09-023		
Chromium - Total	0.0001	0.0025 mg/L
Chromium (VI) - Soluble TIC-006 W09-023		
# Chromium (VI) - Soluble		<0.0025 mg/L
# Comment		This is the maximum amount of Chromium 6 present as derived from the Total Chromium
Cobalt - Total TIC-006 W09-023		
Cobalt - Total	0.0001	0.7891 mg/L
Copper - Total TIC-006 W09-023		
Copper - Total	0.0001	0.0216 mg/L
Iron - Total TIC-006 W09-023		
Iron - Total	0.0005	10.01 mg/L

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Corporate Accreditation No.1115 Chemical and Biological Testing
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Notes
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Lead - Total TIC-006 W09-023		
Lead - Total	0.0001	0.0012 mg/L
Magnesium TIC-004 W09-023		
Magnesium	0.05	566 mg/L
Manganese - Total TIC-004 W09-023		
Manganese - Total	0.001	72.6 mg/L
Mercury - Total TIC-006 W09-023		
Mercury - Total	0.00003	<0.00003 mg/L
Molybdenum - Total TIC-006 W09-023		
Molybdenum - Total	0.0001	<0.0001 mg/L
Nickel - Total TIC-006 W09-023		
Nickel - Total	0.0001	0.9265 mg/L
Potassium TIC-004 W09-023		
Potassium	0.05	46.7 mg/L
Selenium - Total TIC-006 W09-023		
Selenium - Total	0.0001	0.0023 mg/L
Silica - Total TIC-004 W09-023		
Silica - Total	2.0	40.9 mg/L
Silver - Total TIC-006 W09-023		
Silver - Total	0.00003	0.00014 mg/L
Sodium TIC-004 W09-023		
Sodium	0.1	4920 mg/L
Strontium - Total TIC-006 W09-023		
Strontium - Total	0.0001	8.173 mg/L
Sulphur TIC-004 W09-023		
Sulphate	1.5	4410 mg/L
Thallium - Total TIC-006 W09-023		
Thallium - Total	0.0001	<0.0001 mg/L
Tin - Total TIC-006 W09-023		
Tin - Total	0.0005	<0.0005 mg/L
Titanium - Total TIC-006 W09-023		
Titanium - Total	0.0003	0.0044 mg/L
Uranium - Total TIC-006 W09-023		
Uranium - Total	0.0001	0.0067 mg/L
Vanadium - Total TIC-006 W09-023		

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Vanadium - Total TIC-006 W09-023

Vanadium - Total	0.0001	0.0004 mg/L

Zinc - Total TIC-006 W09-023

Zinc - Total	0.0003	2.969 mg/L

Inorganic Chemistry - Nutrients	LOR	Result
Sample temperature at time of receipt NA		
Ammonia as N T0100-01 W09-023		
Ammonia as N	0.005	8.114 mg/L
Fluoride T0105-01 W09-023		
Fluoride	0.10	0.11 mg/L
Nitrate + Nitrite as N T0161-01 W09-023		
Nitrate + Nitrite as N	0.003	0.370 mg/L

Organic Chemistry	LOR	Result
Sample temperature at time of receipt NA		
Total Carbon T0158-09 W09-023		
Total Carbon	1.0	6.9 mg/L

Inorganic Chemistry - Physical	LOR	Result
Sample temperature at time of receipt NA		
Alkalinity Carbonate Bicarbonate and Hydroxide W09-023		
Alkalinity as Calcium Carbonate		0 mg/L
Bicarbonate		0 mg/L
Carbonate		0 mg/L
Hydroxide		0 mg/L
Conductivity & Total Dissolved Solids T0016-01 W09-023		
Conductivity	1	26100 µScm
Total Dissolved Solids (by EC)	1.0	16000 mg/L
pH T0010-01 W09-023		
pH		3.4 pH units
Turbidity T0018-01 W09-023		
Turbidity	0.1	15 NTU

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Collection Type	Customer Collected

Inorganic Chemistry - Waste Water	LOR	Result
Sample temperature at time of receipt NA		
Suspended Solids T0160-01 W09-023		
Suspended Solids	1.0	18 mg/L

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