



NT ENVIRONMENTAL
LABORATORIES

NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

CHEMICAL ANALYSIS REPORT

LOW ECOLOGICAL SERVICES Pty Ltd

PO Box 3130 ALICE SPRINGS NT 0871

LOT 1858 Isotoma Rd ALICE SPRINGS NT 0870

AUSTRALIA

REPORT CODE: NT45075
Report Date: 12/02/2016
Samples Received: 28/01/2016
Number of Samples: 1

Purchase Order:

Project: White Range - ADWQG GP + 8 metals 2 **Tel:** 0889555222

Cost Code: _____ **Fax:** _____
E-mail: jeremy@lowecol.com.au

NTEL

ABN 32 008 787 237

PO Box 1382 Berrimah 0828

3407 Export Drive

Berrimah NT 0828

Ph: (08) 8947 0510

Fax: (08) 8947 0520

Report Distribution:

Jeremy Snowdon-James

Environmental Consultant

Report Details: **NATA ACCREDITATION No: 14610**

Test results only apply to samples received

Samples were analysed between 28/01/16 and 12/02/16

Water samples will be discarded one month from date of report

Comments:

Samples with concentrations greater than the linear working range (>LWR) of the ICPMS were reanalysed by ICPOES. These samples were incorrectly preserved for Mercury analysis. Mercury data is indicative only.

Authorisation:

Andrew McKeon



WORLD RECOGNISED
ACCREDITATION

Accredited for compliance with ISO/IEC
17025

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Methodology:

Analysis	Analytical Method	Technique	Accuracy/ Precision +/-%	Detection Limit	Data Units
pH	ALK1	EA	10	0.1	units
EC	ALK1	EA	10	1	µS/cm
Alkalinity	ALK1	EA	10	1	mg/L
CO3	ALK1	EA	10	1	mg/L
HCO3	ALK1	EA	10	1	mg/L
OH	ALK1	EA	10	1	mg/L
Turbidity	TURB1	CA	10	1	NTU
True Colour	COLOUR	SA	10	5	units Pt-Co
TSS	TSSTDS	GRAV	10	10	mg/L
TDS	TSSTDS	GRAV	10	10	mg/L
NO2_N	FIAS_4	FIA	10	0.005	mg/L
NO2	FIAS_4	FIA	10	0.02	mg/L
NO3_N	FIAS_4	FIA	10	0.005	mg/L
NO3	FIAS_4	FIA	10	0.02	mg/L
NH3_N	NH3_N	FIA	10	0.005	mg/L
PO4_P	FIAS_4	FIA	10	0.005	mg/L
Cl	FIAS_4	FIA	10	0.1	mg/L
F	FISE1	EA	10	0.1	mg/L
Hardness	TH1	CALC.	10	0.1	mg/L
Ca_F	W108I	ICPOES	10	0.1	mg/L
K_F	W108I	ICPOES	10	0.1	mg/L
Mg_F	W108I	ICPOES	10	0.1	mg/L
Na_F	W108I	ICPOES	10	0.1	mg/L
SiO2	W108I	ICPOES	10	0.2	mg/L
SO4_F	W108I	ICPOES	10	0.1	mg/L
As_T	W200M	ICPMS	10	0.05	µg/L
Cd_T	W200M	ICPMS	10	0.02	µg/L
Cr_T	W200M	ICPMS	10	0.1	µg/L
Cu_T	W200M	ICPMS	10	0.01	µg/L
Cu_T	W200I	ICPOES	10	0.005	mg/L
Hg_T	W200M	ICPMS	10	0.02	µg/L
Ni_T	W200M	ICPMS	10	0.01	µg/L
Pb_T	W200M	ICPMS	10	0.01	µg/L
Zn_T	W200M	ICPMS	10	0.1	µg/L

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	Element:	pH	EC	Alkalinity	CO3	HCO3	OH	Turbidity	True Colour	TSS
	Method: Units:	ALK1 units	ALK1 µS/cm	ALK1 mg/L	ALK1 mg/L	ALK1 mg/L	ALK1 mg/L	TURB1 NTU	COLOUR units Pt-Co	TSSTD mg/L
Sample ID										
WR-B-DS 21/01/2016		3.8	316	<1	<1	<1	<1	10	<5	40

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Element:		TDS	NO2_N	NO2	NO3_N	NO3	NH3_N	PO4_P	Cl	F
Sample ID	Method:	TSSTD	FIAS_4	FIAS_4	FIAS_4	FIAS_4	NH3_N	FIAS_4	FIAS_4	FISE1
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
WR-B-DS 21/01/2016		220	<0.005	<0.02	5.52	24.4	0.080	0.005	4.3	0.4

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Element:		Hardness	Ca_F	K_F	Mg_F	Na_F	SiO2	SO4_F	As_T	Cd_T
Sample ID	Method:	TH1	W108I	W108I	W108I	W108I	W108I	W108I	W200M	W200M
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
WR-B-DS 21/01/2016		65.4	13.0	2.5	8.0	8.3	28.0	88.4	0.15	0.08

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Element:		Cr_T	Cu_T	Cu_T	Hg_T	Ni_T	Pb_T	Zn_T
Sample ID	Method:	W200M	W200M	W200I	W200M	W200M	W200M	W200M
	Units:	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L
WR-B-DS 21/01/2016		1.0	>LWR	7.44	<0.02	12.5	5.78	69.1