



NT ENVIRONMENTAL
LABORATORIES

NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

CHEMICAL ANALYSIS REPORT

MAY DRILLING PTY LTD

PO BOX 2068
HUMPTY DOO NT 0836
AUS

REPORT CODE: NT35912
Report Date: 30/04/2013
Samples Received: 23/04/2013
Number of Samples: 12

Purchase Order: SS 316502
Project: _____
Cost Code: _____

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Report Details:

Test results only apply to samples received
Samples were analysed between 23/04/13 and 30/04/13
Water samples will be discarded one month from date of report

Comments:

Authorisation:

Fiona Dunbar-Smith

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NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

REPORT CODE: NT35912

Methodology:

Analysis	Analytical Method	Technique	Accuracy/ Precision +/-%	Detection Limit	Data Units
Ag	AR05M	ICPMS	10	0.05	ppm
Al	AR05I	ICPOES	10	5	ppm
As	AR05M	ICPMS	10	0.5	ppm
Au	AR05M	ICPMS	10	5	ppb
B	AR05M	ICPMS	10	5	ppm
Ba	AR05M	ICPMS	10	1	ppm
Be	AR05M	ICPMS	10	0.1	ppm
Bi	AR05M	ICPMS	10	0.01	ppm
Ca	AR05I	ICPOES	10	10	ppm
Cd	AR05M	ICPMS	10	0.05	ppm
Ce	AR05M	ICPMS	10	0.01	ppm
Co	AR05M	ICPMS	10	0.01	ppm
Cr	AR05M	ICPMS	10	1	ppm
Cs	AR05M	ICPMS	10	0.01	ppm
Cu	AR05M	ICPMS	10	0.5	ppm
Fe	AR05I	ICPOES	10	5	ppm
Ga	AR05M	ICPMS	10	0.05	ppm
Hf	AR05M	ICPMS	10	0.01	ppm
Hg	AR05M	ICPMS	10	0.05	ppm
In	AR05M	ICPMS	10	0.05	ppm
K	AR05I	ICPOES	10	10	ppm
La	AR05M	ICPMS	10	0.01	ppm
Li	AR05M	ICPMS	10	0.05	ppm
Mg	AR05I	ICPOES	10	10	ppm
Mn	AR05M	ICPMS	10	1	ppm
Mo	AR05M	ICPMS	10	0.05	ppm
Na	AR05I	ICPOES	10	10	ppm
Nb	AR05M	ICPMS	10	0.01	ppm
Ni	AR05M	ICPMS	10	0.1	ppm
P	AR05I	ICPOES	10	10	ppm
Pb	AR05M	ICPMS	10	0.5	ppm
Pd	AR05M	ICPMS	10	5	ppb
Pt	AR05M	ICPMS	10	5	ppb
Rb	AR05M	ICPMS	10	0.05	ppm
Re	AR05M	ICPMS	10	0.05	ppm
S	AR05I	ICPOES	10	20	ppm
Sb	AR05M	ICPMS	10	0.05	ppm
Sc	AR05M	ICPMS	10	0.1	ppm
Se	AR05M	ICPMS	10	2	ppm
Sn	AR05M	ICPMS	10	0.1	ppm
Sr	AR05M	ICPMS	10	0.1	ppm
Ta	AR05M	ICPMS	10	0.01	ppm
Te	AR05M	ICPMS	10	0.05	ppm
Th	AR05M	ICPMS	10	0.01	ppm
Ti	AR05M	ICPMS	10	0.5	ppm
Tl	AR05M	ICPMS	10	0.01	ppm
U	AR05M	ICPMS	10	0.01	ppm
V	AR05M	ICPMS	10	1	ppm

REPORT CODE: NT35912

Methodology:

Analysis	Analytical Method	Technique	Accuracy/ Precision +/-%	Detection Data	
				Limit	Units
W	AR05M	ICPMS	10	0.05	ppm
Y	AR05M	ICPMS	10	0.05	ppm
Zn	AR05M	ICPMS	10	0.5	ppm
Zr	AR05M	ICPMS	10	0.5	ppm

NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

REPORT CODE: NT35912

Project: SS 316502

Element:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	
Method:	AR05M	AR05I	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M	AR05I
Units:	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID										
60755	<0.05	1.32%	199	35	<5	1	0.5	0.81	110	
60756	<0.05	6340	193	25	<5	1	0.7	0.23	50	
60756B	<0.05	1.01%	361	145	<5	1	0.9	3.60	80	
60757	<0.05	4040	163	110	<5	1	0.5	0.90	30	
60758	<0.05	9970	235	145	<5	1	1.0	1.28	30	
60759	0.05	5100	59.2	245	<5	1	0.5	52.9	100	
60760	0.35	2570	46.4	605	<5	1	0.2	6.30	50	
60761	0.05	1.63%	45.0	15	<5	1	1.8	0.72	610	
60762	<0.05	1670	1500	50	<5	1	1.2	0.54	50	
60763	0.20	1020	46.7	65	<5	1	0.2	1.49	30	
60764	<0.05	3930	57.1	<5	<5	1	3.3	0.04	40	
60765	<0.05	3380	6.4	<5	5	1	14.0	0.05	160	

NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

REPORT CODE: NT35912

Project: SS 316502

Element:	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Hf
Method:	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M	AR05I	AR05M	AR05M
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID									
60755	<0.05	70.9	4.92	30	11.1	4.5	2.87%	4.45	0.20
60756	<0.05	53.2	2.87	24	3.76	9.0	3.20%	3.10	0.12
60756B	<0.05	54.0	3.24	31	15.8	15.5	5.65%	3.50	0.19
60757	<0.05	48.5	1.04	40	0.26	12.5	2.79%	2.00	0.11
60758	<0.05	61.2	4.75	64	2.41	28.0	5.22%	4.35	0.14
60759	<0.05	24.3	0.80	71	1.31	8.0	8660	1.20	0.08
60760	<0.05	4.47	0.90	71	1.14	9.5	7890	0.95	0.01
60761	<0.05	134	4.84	47	6.30	11.5	2.22%	4.05	0.11
60762	0.10	6.66	0.65	118	1.78	7.0	8330	0.60	0.01
60763	<0.05	2.79	0.43	73	4.46	4.0	3750	0.30	<0.01
60764	<0.05	1.88	0.44	95	5.44	3.5	5230	1.70	<0.01
60765	<0.05	3.38	0.38	78	28.8	2.5	1920	0.90	0.21

NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

REPORT CODE: NT35912

Project: SS 316502

Element:	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Method:	AR05M	AR05M	AR05I	AR05M	AR05M	AR05I	AR05M	AR05M	AR05I
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID									
60755	<0.05	<0.05	5640	37.7	15.6	2560	79	1.00	140
60756	<0.05	<0.05	1940	27.2	2.55	670	33	1.50	50
60756B	<0.05	<0.05	4750	26.9	4.75	1940	91	1.30	70
60757	<0.05	<0.05	740	23.9	0.45	60	12	4.95	40
60758	<0.05	<0.05	1800	35.4	7.00	780	69	7.05	70
60759	<0.05	<0.05	1110	13.1	0.95	140	17	8.95	50
60760	<0.05	<0.05	670	2.27	3.95	640	36	12.8	50
60761	<0.05	<0.05	2740	67.1	13.4	1570	82	6.85	110
60762	<0.05	<0.05	540	3.44	2.65	100	22	15.5	50
60763	<0.05	<0.05	370	1.69	1.55	190	17	12.8	10
60764	<0.05	<0.05	2060	1.03	4.90	30	16	17.0	150
60765	<0.05	<0.05	1880	1.63	121	140	39	10.3	50

NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

REPORT CODE: NT35912

Project: SS 316502

Element:	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S
Method: Units:	AR05M ppm	AR05M ppm	AR05I ppm	AR05M ppm	AR05M ppb	AR05M ppb	AR05M ppm	AR05M ppm	AR05I ppm
Sample ID									
60755	0.77	17.1	80	4.0	<5	<5	92.2	<0.05	20
60756	0.52	8.3	370	2.5	<5	<5	44.5	<0.05	40
60756B	0.84	7.5	470	7.0	<5	<5	129	<0.05	80
60757	0.11	5.4	190	3.0	<5	<5	5.20	<0.05	20
60758	0.54	19.5	630	6.0	<5	<5	22.2	<0.05	60
60759	0.12	3.7	710	13.5	<5	<5	12.1	<0.05	<20
60760	0.29	5.4	40	17.0	<5	<5	12.7	<0.05	20
60761	1.89	12.5	290	17.0	<5	<5	62.9	<0.05	300
60762	0.27	5.4	60	5.5	<5	<5	10.4	<0.05	120
60763	0.14	5.0	<10	22.5	<5	<5	12.1	<0.05	<20
60764	0.48	6.0	50	1.5	<5	<5	86.2	<0.05	<20
60765	0.61	3.3	170	1.0	<5	<5	89.6	<0.05	<20

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REPORT CODE: NT35912

Project: SS 316502

Element:	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
Method:	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID									
60755	0.05	1.7	<2	1.0	2.1	<0.01	0.10	19.5	785
60756	0.05	1.4	<2	0.7	2.5	<0.01	0.05	8.50	365
60756B	0.15	1.7	<2	1.0	3.7	<0.01	0.40	13.4	666
60757	0.15	0.5	<2	0.5	1.8	<0.01	0.10	5.14	85.0
60758	0.15	1.4	<2	0.7	3.2	<0.01	0.15	9.10	441
60759	0.25	0.4	<2	1.0	22.1	<0.01	3.90	7.21	33.0
60760	0.25	0.2	<2	0.5	1.1	<0.01	0.10	1.10	68.5
60761	0.15	1.7	<2	1.5	8.0	<0.01	<0.05	17.9	230
60762	0.90	0.2	<2	3.3	1.9	<0.01	0.15	1.17	34.0
60763	0.35	0.1	<2	0.3	0.5	<0.01	0.05	0.62	39.5
60764	<0.05	<0.1	<2	8.7	0.9	0.02	<0.05	0.38	2.0
60765	<0.05	<0.1	<2	8.7	8.4	0.04	<0.05	0.44	1.0

NORTHERN TERRITORY ENVIRONMENTAL LABORATORIES

REPORT CODE: NT35912

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Element:		Tl	U	V	W	Y	Zn	Zr
Sample ID	Method:	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M	AR05M
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm
60755		0.63	1.71	20	0.30	2.40	40.0	8.0
60756		0.26	0.64	15	0.35	1.85	9.0	4.0
60756B		0.99	1.19	23	0.45	3.10	27.0	6.0
60757		0.03	0.75	12	0.30	1.80	5.0	5.0
60758		0.16	1.13	21	0.90	3.10	22.5	5.5
60759		0.06	1.36	6	2.05	6.80	4.0	4.0
60760		0.08	0.22	3	0.20	0.50	17.0	<0.5
60761		0.47	4.06	12	0.75	13.2	20.5	3.5
60762		0.07	0.78	5	0.35	1.55	4.0	<0.5
60763		0.11	0.23	2	0.15	0.25	6.5	<0.5
60764		0.40	0.92	3	0.55	0.70	6.5	<0.5
60765		0.50	6.71	3	1.05	2.05	4.5	2.0