

Anexo III

Geoquímica de Roca
Acme Labs



ACME ANALYTICAL LABORATORIES LTD.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

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Client: Instituto de Recursos Minerales (INREM)

Call 64 No.3 Esp 120
 Universidad Nacional de la Plata
 La Plata Buenos Aires 1900 Argentina

Submitted By: Gerardo N. Paez
 Receiving Lab: Argentina-Mendoza
 Received: May 06, 2008
 Report Date: July 07, 2008
 Page: 1 of 4

CERTIFICATE OF ANALYSIS

MEN08000620.1

CLIENT JOB INFORMATION

Project: None Given
 Shipment ID:
 P.O. Number BRANCH FILE 0880732
 Number of Samples: 72

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	72	Crush, split and pulverize rock to 150 mesh		
4A&4B	72	Whole Rock Analysis Majors and Trace Elements	0.2	Completed

SAMPLE DISPOSAL

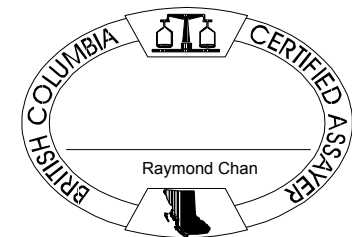
RTRN-PLP Return
 RTRN-RJT Return

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Instituto de Recursos Minerales (INREMI)
 Call 64 No.3 Esp 120
 Universidad Nacional de la Plata
 La Plata Buenos Aires 1900
 Argentina

CC: Remigio Ruiz



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B
		SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	Ga
Unit		%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.001	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	0.5	
6702	Rock	70.49	13.79	3.44	0.30	0.42	1.29	7.27	0.22	0.022	0.02	<0.002	<20	5	2.5	99.78	964	3	2.8	6.2	16.4
6703	Rock	60.55	16.34	6.58	2.06	5.11	3.24	1.30	0.68	0.158	0.13	<0.002	<20	18	3.6	99.73	1054	2	13.8	12.6	17.6
6707	Rock	68.15	14.61	3.42	0.15	0.15	0.53	11.46	0.23	0.011	0.02	<0.002	<20	7	1.0	99.70	1666	2	1.6	11.4	17.5
6709	Rock	70.87	14.45	3.07	0.29	1.31	2.64	4.82	0.22	0.048	0.02	<0.002	<20	5	2.0	99.78	999	2	2.8	40.4	15.8
6715	Rock	58.21	17.25	6.85	2.37	7.13	2.58	1.08	0.72	0.175	0.13	0.003	<20	20	3.2	99.71	609	2	13.2	327.8	19.0
6717	Rock	63.18	16.57	6.60	0.70	2.33	4.95	3.27	0.72	0.159	0.05	<0.002	<20	17	1.3	99.79	696	2	8.2	6.0	17.1
6733	Rock	71.46	13.49	2.59	0.44	0.22	0.97	8.96	0.26	0.043	0.04	<0.002	<20	7	1.3	99.74	1387	2	3.7	6.0	14.1
6736	Rock	76.01	11.99	2.18	0.28	0.67	2.14	4.69	0.09	0.010	0.02	<0.002	<20	8	1.8	99.83	1079	3	<0.2	5.6	13.9
6740	Rock	73.66	12.38	2.31	0.20	1.10	2.07	4.92	0.10	0.008	0.02	<0.002	<20	5	3.1	99.84	769	2	0.4	44.6	14.2
6744	Rock	60.04	16.79	7.44	1.77	6.44	3.58	0.88	0.84	0.191	0.12	<0.002	<20	20	1.7	99.75	591	2	12.7	246.4	18.4
6748	Rock	71.50	13.27	2.83	0.57	1.47	1.90	4.84	0.15	0.038	0.05	<0.002	<20	9	3.1	99.75	1515	2	1.3	8.1	16.1
6751	Rock	75.98	11.83	1.07	0.03	0.04	0.13	10.37	0.16	<0.001	<0.01	<0.002	22	2	0.2	99.81	1161	<1	1.3	1.9	8.4
6752	Rock	59.85	16.18	5.99	4.43	5.80	2.86	2.35	0.56	0.148	0.11	0.031	82	17	1.3	99.66	1112	2	18.4	2.5	18.6
6756	Rock	61.40	16.98	6.03	1.47	5.24	3.00	2.43	0.62	0.148	0.08	0.003	<20	16	2.4	99.75	681	3	10.4	5.0	19.2
6757	Rock	71.67	12.51	2.69	0.53	1.98	0.68	5.02	0.16	0.031	0.05	<0.002	<20	9	4.5	99.78	1177	3	2.3	8.1	15.4
6758	Rock	63.52	17.08	4.79	1.01	3.91	3.46	3.25	0.45	0.147	0.07	<0.002	<20	13	2.1	99.77	908	2	6.3	4.8	19.8
6761	Rock	75.74	12.68	1.56	0.10	0.15	0.74	7.03	0.10	0.021	0.01	<0.002	<20	4	1.7	99.82	828	2	<0.2	9.8	15.8
6764	Rock	72.38	12.92	2.71	0.15	0.14	0.81	9.42	0.13	0.012	0.01	0.007	<20	8	1.1	99.82	819	2	3.1	8.9	15.2
6767	Rock	74.99	12.36	2.39	0.27	0.12	0.65	7.31	0.08	0.009	0.01	<0.002	<20	4	1.6	99.81	1109	2	0.7	10.3	15.5
6768	Rock	75.43	12.29	1.83	0.08	0.07	0.75	8.33	0.08	0.005	<0.01	<0.002	<20	3	0.9	99.80	1164	2	0.7	3.9	14.2
6769	Rock	75.58	12.30	2.10	0.04	0.14	1.61	7.37	0.04	0.005	0.02	<0.002	<20	10	0.7	99.91	306	2	0.2	14.2	17.3
6771	Rock	57.68	16.80	6.36	2.83	7.31	2.68	2.12	0.69	0.196	0.10	0.004	21	18	2.9	99.68	1005	2	14.3	2.8	18.6
9004	Rock	75.69	12.57	1.85	0.13	0.11	0.40	7.03	0.05	<0.001	0.01	<0.002	<20	4	2.0	99.85	898	2	<0.2	5.7	14.7
9006	Rock	75.62	12.18	2.06	0.06	0.08	0.81	7.74	0.04	<0.001	<0.01	<0.002	<20	4	1.3	99.85	657	2	<0.2	8.5	15.8
9010	Rock	57.61	17.00	6.58	4.65	5.90	2.81	2.09	0.62	0.169	0.09	0.035	93	18	2.1	99.63	1291	2	22.1	2.5	19.1
9013	Rock	77.86	10.96	1.41	0.09	0.08	0.71	7.76	0.04	0.021	<0.01	<0.002	<20	9	0.9	99.87	565	2	<0.2	8.7	14.9
9020	Rock	71.99	13.54	2.76	0.33	1.03	3.15	4.85	0.14	0.019	0.04	<0.002	<20	6	2.0	99.80	969	3	1.0	4.5	16.8
9024	Rock	74.04	12.91	2.50	0.20	0.32	2.35	5.26	0.10	0.018	0.04	<0.002	<20	5	2.1	99.80	833	4	0.6	4.3	15.9
9029	Rock	73.92	13.17	2.42	0.29	0.22	2.34	5.42	0.11	0.006	0.03	<0.002	<20	5	1.9	99.81	1083	1	0.7	5.4	14.7
9030	Rock	69.44	14.53	3.21	0.70	1.33	3.37	4.06	0.21	0.063	0.08	<0.002	<20	7	2.8	99.76	1037	3	2.6	6.7	18.2



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None Given

Report Date:

July 07, 2008

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Part 2

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method Analyte Unit MDL	4A&4B																				
	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
6702	Rock	4.2	8.6	330.3	3	96.9	1.0	15.7	2.7	39	3.9	128.8	30.8	35.3	63.0	8.19	28.6	5.26	0.92	4.70	0.84
6703	Rock	4.5	8.8	43.3	3	411.0	0.6	9.1	2.4	131	1.6	167.0	29.4	27.0	54.0	6.87	24.8	5.40	1.24	4.59	0.79
6707	Rock	5.5	9.7	501.6	3	60.8	0.8	14.6	2.5	34	4.6	185.6	24.2	38.0	70.0	8.92	31.6	5.67	1.10	4.66	0.76
6709	Rock	4.3	8.5	176.6	3	157.4	0.9	16.9	3.1	38	3.9	135.0	24.2	31.1	59.8	7.11	23.7	4.58	0.80	3.87	0.70
6715	Rock	5.0	9.0	37.2	2	666.5	0.6	7.7	1.9	137	1.4	197.1	23.1	26.8	55.7	6.92	25.5	5.13	1.44	4.27	0.75
6717	Rock	6.1	9.6	133.8	3	282.1	0.8	10.5	2.4	109	4.0	206.7	26.7	27.8	57.2	7.13	26.5	5.09	1.29	4.61	0.80
6733	Rock	3.6	9.0	366.1	3	52.4	0.7	12.6	2.6	50	3.0	110.7	23.7	27.9	57.3	7.14	26.2	5.15	0.96	4.33	0.74
6736	Rock	3.6	8.7	186.3	3	76.4	0.8	14.1	3.0	11	4.5	103.4	25.1	26.8	55.9	7.20	24.9	5.40	0.71	4.46	0.79
6740	Rock	3.8	9.8	193.1	4	138.4	0.8	14.9	2.7	12	1.8	102.0	27.6	21.5	51.7	5.83	20.7	4.98	0.70	4.48	0.82
6744	Rock	5.4	9.4	48.9	2	396.9	0.6	9.1	2.0	132	18.8	181.4	26.7	26.1	54.1	6.78	24.3	5.24	1.36	4.79	0.84
6748	Rock	4.8	8.9	213.9	4	80.3	0.6	14.8	2.6	35	2.1	163.7	26.6	40.8	82.4	10.01	36.2	6.23	0.95	5.58	0.91
6751	Rock	3.6	8.4	311.1	1	13.3	0.6	12.9	3.0	11	5.9	126.1	15.0	32.0	67.2	6.73	21.9	3.81	0.96	2.88	0.48
6752	Rock	5.1	7.8	73.0	2	599.1	0.5	10.8	1.8	107	1.1	188.1	22.2	40.2	79.6	9.55	33.9	5.92	1.58	4.62	0.74
6756	Rock	7.2	10.9	93.9	2	336.7	0.8	14.1	2.3	64	1.1	267.5	27.0	47.2	92.6	11.18	39.5	7.17	1.55	5.55	0.92
6757	Rock	4.2	9.1	186.6	3	48.9	0.7	13.9	2.5	16	2.0	134.0	30.8	37.4	74.6	9.18	31.6	6.45	0.89	5.68	0.98
6758	Rock	7.2	10.7	130.6	2	277.2	0.6	15.0	2.7	40	1.6	255.3	28.4	49.5	100.4	11.91	42.4	7.48	1.58	6.11	0.95
6761	Rock	4.1	9.0	279.7	3	28.7	0.8	14.9	4.2	10	1.8	104.6	20.3	20.0	44.2	5.52	19.9	4.60	0.55	3.88	0.68
6764	Rock	4.3	11.0	419.4	3	52.4	1.1	17.1	2.1	19	2.2	96.1	27.8	34.6	44.8	10.62	38.5	9.12	1.10	7.30	1.23
6767	Rock	3.4	8.4	270.1	2	40.8	0.8	14.1	2.0	<8	4.7	89.9	20.3	31.5	44.2	8.86	32.2	7.02	1.01	5.23	0.80
6768	Rock	3.5	9.4	296.3	4	35.5	0.9	14.0	2.1	<8	5.2	84.9	17.8	18.5	38.3	5.40	18.5	4.30	0.62	3.29	0.58
6769	Rock	4.5	16.7	330.9	5	10.7	1.4	16.3	1.7	<8	3.5	72.5	9.6	11.7	18.6	2.31	6.2	1.31	0.11	1.27	0.30
6771	Rock	4.5	7.6	61.0	1	725.5	0.4	9.2	1.7	134	0.8	154.7	23.9	36.9	70.9	8.79	32.3	5.81	1.44	4.61	0.78
9004	Rock	4.1	12.8	263.8	3	21.8	1.3	16.6	1.8	<8	0.8	77.6	20.4	15.8	35.5	4.95	17.5	4.73	0.34	3.69	0.66
9006	Rock	3.9	11.4	326.9	2	17.0	1.3	15.3	1.9	<8	3.0	74.1	22.2	6.2	10.1	1.88	6.2	1.93	0.23	1.91	0.49
9010	Rock	7.0	8.6	75.1	1	560.8	0.5	10.8	2.0	115	1.2	216.2	23.3	36.2	72.6	8.67	31.1	5.92	1.58	4.63	0.77
9013	Rock	4.0	15.5	311.3	6	12.9	1.2	17.8	3.7	<8	2.3	66.9	38.8	12.3	30.3	4.59	19.5	6.08	0.25	6.17	1.15
9020	Rock	4.9	10.3	200.7	4	151.5	1.0	15.0	2.7	10	1.2	133.6	32.4	31.7	63.1	7.93	28.0	6.08	0.95	5.46	0.97
9024	Rock	4.9	9.7	222.9	4	106.5	0.8	15.3	4.6	<8	1.2	129.8	25.4	21.0	44.0	5.66	20.0	4.66	0.55	3.92	0.74
9029	Rock	4.3	9.9	212.2	4	75.6	0.9	15.0	2.8	<8	2.2	107.2	24.4	19.5	39.6	5.42	21.4	4.35	0.52	4.13	0.71
9030	Rock	5.5	9.6	164.1	4	182.9	0.7	14.0	2.5	17	1.7	169.7	34.0	43.1	75.2	9.98	35.9	6.86	1.27	6.05	1.02



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Part 3

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	2A C/S	2A C/S	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
		Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	
		0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.5	0.01
6702	Rock	4.77	1.02	3.01	0.48	2.93	0.48	0.14	0.09	0.4	1.0	10.7	9	1.3	18.6	<0.1	2.1	<0.1	<0.1	1.4	<0.01	
6703	Rock	4.27	0.90	2.60	0.43	2.29	0.37	0.25	<0.02	0.3	9.8	7.0	68	4.4	3.5	<0.1	0.5	<0.1	<0.1	<0.5	<0.01	
6707	Rock	4.04	0.86	2.55	0.42	2.59	0.39	0.04	0.04	0.3	1.4	6.0	8	1.3	7.7	<0.1	3.0	<0.1	<0.1	0.6	<0.01	
6709	Rock	3.88	0.82	2.43	0.39	2.60	0.38	0.04	<0.02	0.3	1.5	12.6	32	0.9	7.2	<0.1	0.6	0.2	<0.1	<0.5	<0.01	
6715	Rock	3.88	0.85	2.50	0.36	2.23	0.35	0.09	<0.02	0.5	12.1	7.6	35	3.3	1.8	<0.1	<0.1	<0.1	<0.1	0.6	0.03	
6717	Rock	4.31	0.94	2.70	0.44	2.60	0.40	0.07	<0.02	0.8	4.0	9.7	66	1.5	11.3	<0.1	0.5	<0.1	<0.1	<0.5	0.04	
6733	Rock	4.12	0.85	2.29	0.40	2.32	0.34	0.05	<0.02	0.4	8.2	11.4	63	5.0	2.9	<0.1	0.8	0.2	<0.1	<0.5	0.05	
6736	Rock	4.40	0.94	2.76	0.43	2.66	0.40	0.02	<0.02	0.3	2.8	9.4	34	0.7	4.2	<0.1	0.5	<0.1	<0.1	<0.5	0.12	
6740	Rock	4.52	1.00	3.00	0.46	2.79	0.43	0.02	<0.02	0.3	1.3	10.5	14	0.5	1.8	<0.1	0.2	0.2	<0.1	<0.5	<0.01	
6744	Rock	4.68	0.95	2.83	0.46	2.60	0.38	<0.02	<0.02	0.5	12.5	5.0	28	1.2	19.0	<0.1	0.2	<0.1	<0.1	<0.5	<0.01	
6748	Rock	4.72	0.92	2.97	0.45	2.99	0.44	0.25	<0.02	0.5	3.5	18.7	34	0.8	1.0	<0.1	0.4	0.1	<0.1	<0.5	<0.01	
6751	Rock	2.64	0.53	1.57	0.25	1.60	0.24	0.02	<0.02	0.2	4.1	4.9	2	2.2	3.9	<0.1	0.7	<0.1	0.2	<0.5	0.06	
6752	Rock	3.88	0.83	2.30	0.37	2.12	0.33	<0.02	<0.02	0.6	18.3	2.7	33	62.6	23.4	<0.1	0.2	<0.1	<0.1	<0.5	<0.01	
6756	Rock	4.80	0.98	2.87	0.45	2.69	0.41	0.12	0.02	0.7	14.0	3.1	50	5.7	11.0	<0.1	<0.1	<0.1	<0.1	<0.5	0.02	
6757	Rock	5.02	1.06	3.14	0.48	2.90	0.45	0.42	<0.02	0.2	3.4	5.9	40	3.2	2.7	0.2	0.4	<0.1	<0.1	<0.5	0.10	
6758	Rock	5.20	1.06	3.01	0.45	2.58	0.42	0.20	<0.02	0.4	12.4	3.2	54	4.5	1.9	<0.1	0.2	<0.1	<0.1	0.9	<0.01	
6761	Rock	3.71	0.76	2.22	0.37	2.10	0.33	0.05	0.03	0.3	5.0	83.0	54	0.8	1.0	<0.1	<0.1	<0.1	<0.1	3.9	0.03	
6764	Rock	6.26	1.15	3.27	0.52	3.05	0.45	0.04	0.02	1.2	5.6	15.3	59	9.7	7.8	<0.1	0.4	<0.1	<0.1	3.1	<0.01	
6767	Rock	4.21	0.76	2.13	0.38	2.28	0.34	0.03	<0.02	0.3	3.5	10.9	31	1.9	5.2	<0.1	1.3	<0.1	<0.1	1.6	<0.01	
6768	Rock	3.02	0.68	1.84	0.32	1.97	0.31	<0.02	<0.02	0.6	5.6	7.4	44	1.5	4.1	<0.1	1.4	0.1	<0.1	1.8	<0.01	
6769	Rock	2.08	0.46	1.38	0.24	1.73	0.25	<0.02	<0.02	0.5	3.1	15.2	35	0.9	8.7	<0.1	2.3	<0.1	<0.1	2.5	<0.01	
6771	Rock	4.17	0.83	2.36	0.35	2.15	0.33	0.32	<0.02	0.7	20.9	4.6	66	13.9	1.0	<0.1	<0.1	<0.1	<0.1	2.0	<0.01	
9004	Rock	3.58	0.79	2.35	0.43	2.93	0.45	0.06	<0.02	0.2	2.7	8.9	6	0.7	1.2	<0.1	<0.1	<0.1	<0.1	2.9	<0.01	
9006	Rock	3.43	0.78	2.49	0.40	2.53	0.38	<0.02	<0.02	0.4	2.4	6.4	42	0.7	2.2	<0.1	0.5	<0.1	<0.1	1.1	<0.01	
9010	Rock	4.22	0.82	2.36	0.39	2.36	0.36	<0.02	<0.02	0.6	19.2	4.6	34	86.3	14.0	<0.1	0.1	<0.1	<0.1	2.1	<0.01	
9013	Rock	6.55	1.35	3.80	0.62	3.77	0.59	<0.02	<0.02	0.3	2.9	12.1	20	1.3	2.3	<0.1	0.6	<0.1	<0.1	1.3	0.01	
9020	Rock	5.38	1.13	3.05	0.50	2.89	0.47	0.16	<0.02	0.4	2.7	15.1	35	2.7	3.2	<0.1	0.1	0.3	<0.1	1.4	<0.01	
9024	Rock	4.16	0.95	2.76	0.47	2.96	0.47	<0.02	0.04	0.6	2.6	22.2	86	1.7	3.6	0.6	<0.1	0.2	<0.1	1.1	<0.01	
9029	Rock	3.91	0.88	2.59	0.38	2.59	0.40	<0.02	<0.02	0.6	1.9	17.1	72	1.6	1.3	0.2	<0.1	0.3	<0.1	<0.5	<0.01	
9030	Rock	5.69	1.08	3.00	0.48	3.01	0.46	0.17	<0.02	0.4	4.7	20.0	168	2.8	2.2	0.2	<0.1	0.2	<0.1	1.8	<0.01	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project:

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Report Date:

July 07, 2008

Page:

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Part 4

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	1DX	1DX
Analyte	TI	Se
Unit	ppm	ppm
MDL	0.1	0.5
6702	Rock	<0.1 <0.5
6703	Rock	<0.1 <0.5
6707	Rock	<0.1 <0.5
6709	Rock	<0.1 <0.5
6715	Rock	<0.1 <0.5
6717	Rock	<0.1 <0.5
6733	Rock	<0.1 <0.5
6736	Rock	<0.1 <0.5
6740	Rock	<0.1 <0.5
6744	Rock	<0.1 <0.5
6748	Rock	<0.1 <0.5
6751	Rock	<0.1 <0.5
6752	Rock	<0.1 <0.5
6756	Rock	<0.1 <0.5
6757	Rock	<0.1 <0.5
6758	Rock	<0.1 <0.5
6761	Rock	<0.1 <0.5
6764	Rock	0.1 <0.5
6767	Rock	0.1 <0.5
6768	Rock	0.1 <0.5
6769	Rock	0.2 <0.5
6771	Rock	<0.1 <0.5
9004	Rock	<0.1 <0.5
9006	Rock	0.1 <0.5
9010	Rock	<0.1 <0.5
9013	Rock	<0.1 <0.5
9020	Rock	<0.1 <0.5
9024	Rock	<0.1 <0.5
9029	Rock	<0.1 <0.5
9030	Rock	<0.1 <0.5

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B
		SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	Ga
Unit		%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	0.5
9034	Rock	71.78	13.71	2.78	0.39	1.76	3.10	4.04	0.16	0.028	0.05	<0.002	<20	6	2.0	99.81	925	3	2.0	2.8	16.5
9035	Rock	73.75	13.33	2.60	0.22	0.45	2.88	4.67	0.13	0.026	0.03	<0.002	<20	6	1.8	99.83	860	2	1.0	7.1	15.5
9036	Rock	67.60	15.00	4.05	0.84	2.19	3.27	3.40	0.36	0.074	0.06	<0.002	<20	11	2.9	99.75	988	2	5.4	4.8	17.4
9039	Rock	53.91	15.44	9.70	5.92	7.36	4.06	0.44	1.86	0.222	0.12	0.023	120	15	0.7	99.76	176	1	35.5	<0.1	20.9
9050	Rock	80.36	9.44	1.82	0.10	0.13	0.12	5.21	0.03	0.019	<0.01	<0.002	<20	7	2.5	99.74	281	<1	0.5	7.3	10.5
9067	Rock	75.21	12.32	1.40	0.05	0.27	0.97	8.47	0.06	0.013	0.01	<0.002	32	8	1.0	99.82	951	2	0.6	7.9	16.7
9073	Rock	75.77	12.28	2.08	0.19	0.32	1.86	4.71	0.08	0.011	<0.01	<0.002	<20	8	2.5	99.81	1066	3	0.5	8.9	16.9
9081	Rock	60.44	16.06	5.96	1.47	4.24	3.02	3.02	0.56	0.145	0.10	0.009	22	15	4.6	99.68	1540	2	13.0	9.9	19.5
9084	Rock	51.85	14.95	10.84	5.72	7.03	4.27	1.05	3.12	0.573	0.13	0.023	85	17	0.1	99.66	393	2	41.1	0.2	21.6
9084 D1	Rock	51.96	14.84	10.84	5.72	7.00	4.23	1.04	3.09	0.574	0.13	0.022	94	17	0.2	99.66	389	1	40.2	0.3	22.3
9085	Rock	59.21	16.68	6.42	2.14	4.66	2.68	2.83	0.66	0.157	0.10	0.009	24	19	4.2	99.72	871	2	16.8	5.9	19.4
9090	Rock	60.27	16.34	6.55	2.62	2.49	3.37	4.00	0.62	0.152	0.11	0.009	24	18	3.2	99.72	941	2	15.4	11.7	19.5
9091	Rock	81.45	8.99	2.50	0.23	0.15	1.84	2.78	0.12	0.035	0.02	<0.002	<20	4	1.7	99.83	1028	2	5.1	9.8	10.8
6742	Rock	69.44	14.59	2.17	0.45	0.08	0.48	11.41	0.42	0.028	0.01	0.005	<20	10	0.6	99.71	1537	2	3.9	7.0	16.1
6750	Rock	61.43	17.20	5.95	1.39	5.25	2.90	2.51	0.62	0.167	0.07	0.004	<20	16	2.3	99.75	787	2	12.3	2.9	20.2
9086	Rock	71.12	14.43	3.20	0.56	0.29	3.78	4.02	0.22	0.059	0.02	0.004	<20	8	2.0	99.72	1462	2	2.2	3.2	17.4
9087	Rock	71.63	11.92	5.46	0.66	0.44	5.69	0.30	0.45	0.137	0.03	0.037	42	11	3.2	99.93	51	2	10.7	4.6	14.0
9092	Rock	52.60	14.60	10.70	5.58	6.93	4.02	1.28	3.05	0.557	0.13	0.023	89	16	0.2	99.67	382	2	40.0	0.2	20.6
9093	Rock	75.09	12.58	2.35	0.18	0.18	0.67	5.98	0.08	0.021	<0.01	<0.002	<20	9	2.7	99.79	1480	2	1.1	14.1	16.6
9096	Rock	58.75	17.78	4.15	1.12	3.89	3.83	4.21	0.31	0.095	0.06	<0.002	<20	8	5.5	99.75	916	2	6.4	2.2	19.4
9100	Rock	54.28	17.73	7.35	2.49	5.27	3.14	2.06	0.88	0.228	0.15	0.008	<20	21	6.1	99.74	577	2	18.4	3.7	23.9
10601	Rock	71.88	14.09	2.31	0.28	0.84	2.94	4.96	0.13	0.038	0.04	<0.002	<20	6	2.3	99.79	1137	2	1.8	8.7	16.7
10602	Rock	63.25	14.47	5.52	0.69	3.31	3.04	4.79	0.16	0.064	0.13	<0.002	<20	8	4.4	99.78	834	2	3.9	7.2	19.7
9077	Rock	59.30	13.42	2.73	0.48	7.56	2.62	5.11	0.13	0.039	0.11	<0.002	<20	5	8.3	99.78	1240	3	2.8	5.5	14.5
9078	Rock	55.99	17.97	7.34	2.41	2.62	5.57	1.90	1.02	0.280	0.11	0.011	<20	24	4.6	99.77	542	3	11.9	12.2	28.9
9097	Rock	51.39	17.98	9.61	2.64	2.63	4.02	1.93	1.14	0.306	0.18	0.011	<20	26	7.9	99.69	691	3	19.4	2.5	25.2
6628	Rock	70.42	13.82	3.81	0.43	1.93	2.56	3.79	0.27	0.065	0.04	0.002	<20	6	2.7	99.82	877	2	3.8	5.3	16.1
6680	Rock	70.76	12.22	2.47	0.26	0.47	2.63	4.89	0.13	0.044	0.03	<0.002	<20	5	5.9	99.81	982	1	1.7	4.5	14.0
6695	Rock	69.70	13.25	3.29	0.37	0.52	3.46	4.22	0.26	0.069	0.02	<0.002	<20	5	4.6	99.79	1030	2	3.3	15.2	14.9
6639	Rock	72.99	13.55	1.59	0.05	0.10	0.69	9.99	0.16	0.022	0.01	<0.002	<20	5	0.6	99.78	1314	2	0.6	6.4	13.7



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Part 2

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method Analyte	Unit	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B
		Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	
9034	Rock	4.9	9.8	155.1	3	156.4	0.9	16.0	3.5	11	1.5	133.7	35.7	41.2	73.6	9.57	33.7	7.32	1.12	6.32	1.07
9035	Rock	4.4	10.4	195.7	4	131.2	0.9	15.3	2.4	<8	1.3	118.8	26.0	31.6	43.8	7.77	27.6	5.49	0.83	4.74	0.83
9036	Rock	4.8	10.8	134.6	3	266.2	0.8	12.3	2.0	40	1.6	181.6	27.3	39.3	69.6	9.15	33.2	6.25	1.25	5.19	0.86
9039	Rock	2.8	10.8	8.2	<1	576.1	0.6	1.4	0.7	147	<0.5	94.7	14.4	10.0	18.9	2.89	12.4	3.89	1.59	4.11	0.63
9050	Rock	3.5	15.0	220.0	5	18.5	1.1	16.9	2.6	28	1.8	69.5	31.8	11.3	25.8	4.06	17.3	4.75	0.33	5.06	0.84
9067	Rock	3.4	12.7	378.8	6	36.6	1.0	19.2	3.4	25	3.5	99.1	27.7	28.4	60.9	6.87	24.2	4.82	0.47	4.43	0.80
9073	Rock	4.1	12.1	205.8	3	53.2	0.9	17.6	2.6	21	6.0	116.4	25.2	30.9	60.8	8.14	29.6	5.78	0.64	5.11	0.80
9081	Rock	6.0	12.2	124.0	3	350.2	0.7	15.0	2.5	110	1.8	211.9	26.3	39.6	75.1	9.10	32.9	5.94	1.45	5.19	0.80
9084	Rock	5.1	37.5	22.6	2	913.3	1.8	3.4	0.8	192	0.5	213.1	22.3	23.1	44.9	6.26	28.5	6.59	2.57	6.62	0.95
9084 D1	Rock	4.9	36.6	22.0	2	895.1	1.8	3.4	0.7	185	0.6	207.9	22.0	22.8	44.2	6.09	27.2	6.58	2.47	6.61	0.93
9085	Rock	5.4	12.3	107.3	3	393.8	0.6	13.1	2.7	127	2.3	216.1	26.1	36.8	68.5	8.56	32.2	5.66	1.43	5.06	0.78
9090	Rock	5.9	12.2	209.2	3	353.5	0.6	13.1	2.6	112	1.8	241.2	26.4	37.1	69.8	8.66	32.5	5.68	1.42	5.22	0.80
9091	Rock	2.9	6.7	99.2	2	68.9	0.3	9.3	1.9	19	1.3	98.9	15.8	28.1	53.9	6.62	24.6	4.08	0.81	3.44	0.51
6742	Rock	5.0	10.9	573.4	3	44.2	0.6	14.4	2.8	62	10.9	189.4	22.1	34.9	63.9	8.44	31.2	5.59	1.19	4.72	0.73
6750	Rock	8.2	13.5	106.7	3	345.8	0.7	14.2	2.9	73	2.7	326.5	28.5	47.1	88.5	10.99	41.2	7.16	1.52	6.09	0.92
9086	Rock	5.9	8.8	144.6	3	172.9	0.4	15.3	2.2	19	3.3	247.1	27.5	92.5	175.7	22.48	78.3	11.47	1.74	8.42	1.11
9087	Rock	3.8	6.9	14.3	2	107.8	0.3	10.0	2.0	59	4.3	152.9	17.3	31.2	57.8	7.27	26.5	4.50	1.18	4.00	0.58
9092	Rock	5.2	35.2	22.3	2	896.4	1.8	3.3	0.7	176	0.7	206.7	22.0	22.0	42.8	5.98	27.3	6.56	2.48	6.46	0.91
9093	Rock	3.6	11.8	276.0	3	36.1	0.8	16.3	2.1	<8	4.4	116.6	18.0	31.3	55.2	8.16	29.8	5.83	0.66	4.90	0.72
9096	Rock	7.6	10.9	172.5	5	324.7	0.8	16.8	4.5	39	0.6	290.5	25.2	36.0	70.6	8.79	31.8	5.60	1.37	5.10	0.78
9100	Rock	7.3	13.4	79.6	2	298.6	0.7	9.8	2.5	143	1.5	313.7	30.4	37.7	70.1	9.21	35.2	6.42	1.56	5.93	0.91
10601	Rock	5.1	11.2	196.4	3	130.9	0.5	15.9	3.2	14	2.2	179.5	33.5	48.4	95.7	12.24	44.4	8.56	1.19	7.76	1.13
10602	Rock	5.5	10.4	195.3	3	127.4	0.7	16.0	3.8	20	1.8	179.8	30.4	30.3	59.0	7.63	29.1	5.62	0.91	5.49	0.92
9077	Rock	4.8	8.1	217.5	3	94.6	0.6	12.9	3.4	14	0.9	158.6	30.0	33.7	63.6	7.96	29.1	5.37	1.59	5.25	0.84
9078	Rock	6.5	15.6	145.4	6	114.7	0.6	10.6	7.2	145	3.5	250.5	32.2	31.0	63.1	8.67	33.8	6.66	1.18	6.57	1.03
9097	Rock	8.1	15.5	83.0	9	323.3	0.7	14.7	7.1	192	2.5	347.9	47.1	60.3	112.1	14.73	58.0	10.66	1.75	10.05	1.52
6628	Rock	3.8	10.2	160.2	4	176.3	0.7	16.3	2.8	25	4.7	142.9	21.2	33.0	64.4	7.49	26.5	4.60	0.82	3.87	0.62
6680	Rock	4.2	10.3	224.6	3	123.7	0.7	16.3	2.4	9	7.6	128.9	23.6	30.2	60.2	7.64	26.9	5.15	0.78	4.78	0.77
6695	Rock	5.9	12.2	155.9	3	195.8	0.9	19.2	3.8	20	1.8	211.0	24.8	34.5	68.0	8.42	31.2	5.50	0.79	4.85	0.74
6639	Rock	4.6	10.8	450.5	4	17.1	0.9	16.9	5.2	30	3.5	137.2	25.7	33.1	67.8	8.15	28.4	5.02	0.60	4.60	0.73



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Part 3

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	2A C/S	2A C/S	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
		Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	
		0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.5	0.01
9034	Rock	5.80	1.25	3.41	0.56	3.24	0.48	0.17	0.02	0.4	6.1	18.7	42	2.8	3.0	0.1	<0.1	0.2	<0.1	1.3	<0.01	
9035	Rock	5.08	0.98	2.74	0.46	2.82	0.44	<0.02	<0.02	0.4	2.5	15.3	41	1.2	2.6	<0.1	0.1	0.1	<0.1	0.9	<0.01	
9036	Rock	4.93	1.00	2.70	0.43	2.74	0.41	0.15	<0.02	0.3	4.7	8.0	59	7.9	4.1	<0.1	0.2	<0.1	<0.1	<0.5	<0.01	
9039	Rock	3.24	0.57	1.43	0.20	1.10	0.16	0.07	0.08	0.6	46.8	0.9	28	25.7	0.7	<0.1	<0.1	<0.1	<0.1	1.0	<0.01	
9050	Rock	5.00	1.13	3.35	0.55	3.30	0.54	0.04	<0.02	0.5	4.3	23.3	362	0.9	3.6	<0.1	0.3	<0.1	0.1	1.0	<0.01	
9067	Rock	4.72	1.08	3.07	0.52	3.38	0.54	0.03	0.03	0.4	2.8	3.8	7	1.1	1.9	<0.1	<0.1	<0.1	<0.1	<0.5	0.01	
9073	Rock	4.48	0.96	2.66	0.44	2.59	0.43	0.16	<0.02	0.3	5.6	8.0	10	1.5	1.6	<0.1	0.1	<0.1	<0.1	1.5	0.03	
9081	Rock	4.56	0.94	2.56	0.40	2.43	0.41	0.50	<0.02	0.5	20.2	9.8	74	15.9	4.2	<0.1	<0.1	0.1	<0.1	0.8	<0.01	
9084	Rock	4.54	0.88	1.97	0.28	1.52	0.24	0.02	0.04	0.4	30.0	0.4	84	73.1	1.4	<0.1	<0.1	<0.1	<0.1	0.8	<0.01	
9084 D1	Rock	4.55	0.87	1.88	0.27	1.53	0.22	0.03	0.05	0.5	30.3	0.4	86	73.5	1.2	<0.1	<0.1	<0.1	<0.1	1.7	<0.01	
9085	Rock	4.38	0.92	2.43	0.41	2.47	0.41	0.37	<0.02	0.4	24.9	7.2	79	22.3	8.9	<0.1	<0.1	0.1	<0.1	0.6	<0.01	
9090	Rock	4.35	0.94	2.54	0.40	2.50	0.42	0.06	<0.02	0.4	20.6	11.5	89	20.9	12.9	<0.1	0.2	0.4	<0.1	<0.5	<0.01	
9091	Rock	2.76	0.58	1.44	0.24	1.48	0.24	0.07	<0.02	0.2	2.8	14.5	41	3.1	9.1	<0.1	0.5	<0.1	<0.1	0.7	0.01	
6742	Rock	3.86	0.83	2.24	0.36	2.18	0.37	<0.02	<0.02	0.3	10.9	24.3	20	4.7	1.5	<0.1	0.4	<0.1	0.4	<0.5	<0.01	
6750	Rock	5.08	1.09	2.82	0.43	2.69	0.47	0.12	<0.02	0.8	21.9	4.3	70	10.9	18.7	<0.1	0.3	<0.1	<0.1	<0.5	0.04	
9086	Rock	5.43	1.01	2.51	0.40	2.36	0.39	<0.02	<0.02	0.2	1.0	2.4	27	9.0	7.6	<0.1	0.3	<0.1	<0.1	<0.5	<0.01	
9087	Rock	3.01	0.61	1.68	0.26	1.58	0.26	0.03	<0.02	0.2	6.7	7.8	43	37.0	7.4	<0.1	0.4	<0.1	<0.1	1.6	<0.01	
9092	Rock	4.55	0.85	1.82	0.27	1.45	0.22	0.05	0.03	0.6	24.7	0.4	74	99.0	0.5	<0.1	<0.1	<0.1	<0.1	2.0	<0.01	
9093	Rock	3.86	0.73	1.96	0.35	2.21	0.36	0.11	0.05	0.4	2.2	7.3	18	0.8	3.3	<0.1	0.1	<0.1	<0.1	1.7	<0.01	
9096	Rock	4.32	0.93	2.46	0.41	2.47	0.41	0.40	0.02	0.2	16.1	13.9	82	5.1	2.9	<0.1	<0.1	<0.1	<0.1	1.4	<0.01	
9100	Rock	5.00	1.09	2.91	0.48	2.77	0.46	0.48	<0.02	0.7	18.6	10.3	94	17.8	18.0	0.1	0.1	0.1	<0.1	2.0	<0.01	
10601	Rock	5.76	1.18	3.19	0.52	3.26	0.52	0.13	<0.02	1.4	4.7	17.4	28	2.7	21.9	<0.1	0.2	<0.1	<0.1	<0.5	0.08	
10602	Rock	5.21	1.11	3.05	0.48	2.86	0.48	0.70	0.03	0.9	5.8	14.0	105	4.3	17.4	<0.1	0.6	<0.1	<0.1	<0.5	0.06	
9077	Rock	4.98	1.05	2.83	0.46	2.79	0.47	1.76	<0.02	0.8	5.1	13.9	33	3.2	1.5	0.1	0.8	<0.1	<0.1	<0.5	0.02	
9078	Rock	5.71	1.16	3.15	0.50	3.02	0.49	0.53	0.03	0.4	3.8	42.4	148	10.7	2.7	<0.1	1.0	<0.1	0.3	<0.5	<0.01	
9097	Rock	8.32	1.71	4.34	0.66	3.89	0.63	0.25	0.04	0.7	15.1	11.7	140	16.8	2.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	
6628	Rock	3.51	0.76	2.01	0.35	2.09	0.35	0.11	<0.02	0.5	5.7	11.9	23	1.3	3.1	<0.1	0.2	<0.1	<0.1	<0.5	0.01	
6680	Rock	4.35	0.88	2.38	0.38	2.51	0.41	<0.02	<0.02	0.5	5.7	17.2	30	2.1	1.7	<0.1	0.4	0.3	<0.1	<0.5	<0.01	
6695	Rock	4.07	0.86	2.37	0.39	2.43	0.39	0.10	0.02	0.8	1.9	18.5	89	0.7	4.0	<0.1	0.3	<0.1	<0.1	<0.5	0.01	
6639	Rock	4.31	0.88	2.50	0.43	2.78	0.41	<0.02	<0.02	0.3	5.4	3.5	6	0.6	1.4	<0.1	0.2	0.3	<0.1	<0.5	0.06	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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July 07, 2008

Page:

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Part 4

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	1DX	1DX
Analyte	TI	Se
Unit	ppm	ppm
MDL	0.1	0.5
9034	Rock	<0.1 <0.5
9035	Rock	<0.1 <0.5
9036	Rock	<0.1 <0.5
9039	Rock	<0.1 <0.5
9050	Rock	<0.1 <0.5
9067	Rock	<0.1 <0.5
9073	Rock	<0.1 <0.5
9081	Rock	<0.1 <0.5
9084	Rock	<0.1 <0.5
9084 D1	Rock	<0.1 <0.5
9085	Rock	<0.1 <0.5
9090	Rock	<0.1 <0.5
9091	Rock	<0.1 <0.5
6742	Rock	0.2 <0.5
6750	Rock	<0.1 <0.5
9086	Rock	<0.1 <0.5
9087	Rock	<0.1 <0.5
9092	Rock	<0.1 <0.5
9093	Rock	0.1 <0.5
9096	Rock	<0.1 <0.5
9100	Rock	<0.1 <0.5
10601	Rock	<0.1 <0.5
10602	Rock	0.1 0.7
9077	Rock	<0.1 <0.5
9078	Rock	0.3 <0.5
9097	Rock	<0.1 0.6
6628	Rock	<0.1 <0.5
6680	Rock	<0.1 <0.5
6695	Rock	0.1 <0.5
6639	Rock	0.2 <0.5



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CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B
Analyte	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	Ga	
Unit	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	0.5	
10698	Rock	73.82	12.55	2.95	0.28	0.19	0.97	6.17	0.19	0.055	0.02	<0.002	<20	4	2.6	99.75	1037	3	3.2	24.0	12.7
10699	Rock	75.58	12.02	2.45	0.11	0.21	1.52	6.57	0.19	0.044	0.02	0.004	<20	4	1.1	99.78	1291	1	2.4	11.1	9.6
10700	Rock	76.84	11.67	1.44	0.08	0.16	1.56	6.61	0.19	0.041	0.01	<0.002	<20	3	1.2	99.78	1674	2	0.9	8.2	6.2
6694	Rock	75.45	12.56	2.39	0.19	0.15	0.26	5.87	0.08	0.020	0.01	<0.002	<20	4	2.6	99.54	889	3	0.9	9.9	16.4
6640	Rock	71.80	13.49	2.26	0.10	0.08	0.52	9.92	0.15	0.037	0.02	<0.002	<20	4	1.4	99.75	1551	2	0.8	7.9	16.3
6690	Rock	72.89	12.99	3.20	0.47	1.36	2.67	3.93	0.25	0.077	0.05	<0.002	<20	5	1.9	99.79	1110	2	3.3	6.1	15.4
6631	Rock	72.99	13.08	3.02	0.34	0.80	2.64	4.98	0.16	0.048	0.03	<0.002	<20	4	1.8	99.83	760	2	2.6	12.4	14.8
6650	Rock	68.67	14.10	2.81	0.44	2.30	3.12	4.79	0.28	0.085	0.07	<0.002	<20	6	3.1	99.78	1123	3	3.0	7.1	16.4
6626	Rock	70.48	13.41	3.42	0.35	2.30	2.33	4.47	0.22	0.058	0.06	<0.002	<20	5	2.7	99.82	863	2	3.1	17.5	15.1
9051	Rock	59.03	15.85	6.02	2.79	6.97	2.61	2.29	0.59	0.168	0.09	0.021	53	17	3.2	99.66	1171	2	18.7	3.7	18.1
9056	Rock	70.54	13.13	2.83	0.06	0.07	0.27	10.46	0.35	0.039	0.01	0.023	<20	10	1.9	99.68	1798	<1	4.8	13.4	12.7
9066	Rock	72.36	13.82	1.62	0.18	0.12	0.64	6.91	0.21	0.057	<0.01	<0.002	<20	6	3.9	99.78	1205	<1	1.3	8.7	17.5

CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	
		Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
10698	Rock	4.2	10.4	313.9	5	59.9	0.9	17.2	2.8	15	3.8	147.0	24.4	30.8	60.1	7.19	24.7	4.35	0.77	3.81	0.62	
10699	Rock	3.8	9.9	250.4	4	100.6	0.8	17.9	3.5	16	5.1	136.8	31.6	40.4	39.8	8.27	29.3	4.97	0.88	4.96	0.80	
10700	Rock	4.6	10.7	236.4	3	89.1	0.9	17.5	3.8	<8	4.0	142.3	16.1	9.1	30.0	2.32	8.6	1.63	0.26	1.77	0.35	
6694	Rock	3.9	11.7	284.2	5	27.7	1.0	16.6	2.7	<8	3.0	114.7	22.4	23.5	47.1	6.40	24.8	5.06	0.64	4.88	0.77	
6640	Rock	4.2	12.8	443.5	4	17.1	1.0	19.3	6.6	9	2.8	146.0	25.8	32.7	63.7	7.61	27.2	4.77	0.62	4.25	0.68	
6690	Rock	5.5	12.1	117.0	4	199.8	0.9	18.7	3.9	11	2.7	216.2	24.9	34.0	67.5	8.18	30.3	5.42	0.79	4.56	0.72	
6631	Rock	3.7	9.5	210.7	5	127.4	0.8	17.8	3.1	11	2.3	116.4	24.9	27.5	53.1	6.35	21.8	4.06	0.57	3.97	0.65	
6650	Rock	5.5	13.6	184.8	4	193.5	0.9	20.2	4.8	17	1.9	227.3	28.4	37.5	73.6	9.11	33.9	5.75	0.92	5.29	0.83	
6626	Rock	4.1	9.4	213.6	4	139.6	0.7	16.1	2.8	20	2.2	137.3	21.9	30.7	57.8	6.82	24.7	4.18	0.74	3.72	0.60	
9051	Rock	5.1	8.7	71.1	2	666.0	0.4	11.2	2.2	116	22.5	198.2	22.2	41.5	79.6	9.34	35.0	5.75	1.48	4.74	0.71	
9056	Rock	4.5	7.2	415.6	2	53.1	0.5	10.3	2.6	72	11.2	144.5	23.0	52.2	94.6	12.31	45.0	7.75	1.73	5.75	0.87	
9066	Rock	4.5	9.8	271.7	4	36.9	0.8	14.2	3.6	38	2.6	128.9	36.2	32.5	66.9	7.97	30.4	6.11	1.04	5.93	0.99	



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CERTIFICATE OF ANALYSIS

MEN08000620.1

Method	Analyte	4A&4B Dy ppm MDL	4A&4B Ho ppm	4A&4B Er ppm	4A&4B Tm ppm	4A&4B Yb ppm	4A&4B Lu ppm	2A C/S TOT/C %	2A C/S TOT/S %	1DX Mo ppm	1DX Cu ppm	1DX Pb ppm	1DX Zn ppm	1DX Ni ppm	1DX As ppm	1DX Cd ppm	1DX Sb ppm	1DX Bi ppm	1DX Ag ppm	1DX Au ppb	1DX Hg ppm
10698	Rock	3.57	0.78	2.23	0.37	2.33	0.39	0.05	<0.02	0.8	3.2	8.9	420	2.6	7.5	0.2	0.3	0.3	<0.1	<0.5	0.03
10699	Rock	4.59	1.03	2.94	0.47	2.91	0.48	0.03	<0.02	0.8	4.2	13.5	79	1.2	10.9	<0.1	0.5	0.3	0.6	<0.5	0.11
10700	Rock	2.37	0.59	1.79	0.32	2.04	0.36	0.03	<0.02	0.4	2.4	6.5	40	0.8	1.8	0.1	0.2	0.4	0.6	<0.5	0.06
6694	Rock	4.17	0.89	2.47	0.43	2.57	0.43	0.03	<0.02	0.5	39.4	305.7	1454	1.0	11.5	0.1	0.2	0.1	<0.1	<0.5	<0.01
6640	Rock	4.09	0.88	2.42	0.43	2.68	0.44	<0.02	<0.02	0.2	6.2	7.2	19	1.5	4.5	<0.1	0.4	0.3	<0.1	<0.5	0.06
6690	Rock	4.23	0.85	2.46	0.39	2.40	0.39	0.02	<0.02	1.5	7.9	8.0	49	1.1	8.2	<0.1	<0.1	0.2	<0.1	<0.5	<0.01
6631	Rock	3.93	0.85	2.41	0.41	2.65	0.44	0.04	0.03	0.4	10.5	10.3	18	0.9	4.0	<0.1	0.6	0.2	<0.1	<0.5	<0.01
6650	Rock	4.67	0.95	2.53	0.42	2.62	0.44	0.34	0.03	0.4	4.9	18.4	48	0.7	2.0	<0.1	<0.1	0.1	<0.1	<0.5	<0.01
6626	Rock	3.57	0.75	2.08	0.35	2.21	0.36	0.26	<0.02	0.3	2.0	10.0	14	0.8	2.3	<0.1	0.3	0.2	<0.1	<0.5	0.01
9051	Rock	3.96	0.79	2.15	0.36	2.00	0.34	0.44	<0.02	0.4	16.8	3.4	54	50.7	2.8	<0.1	0.3	<0.1	<0.1	<0.5	<0.01
9056	Rock	4.56	0.85	2.37	0.39	2.42	0.37	<0.02	<0.02	0.6	7.9	58.6	24	13.9	6.8	0.1	0.9	0.4	0.1	<0.5	0.01
9066	Rock	5.62	1.18	3.49	0.54	3.30	0.51	<0.02	0.02	0.3	3.7	4.1	13	1.9	0.6	<0.1	0.2	0.2	<0.1	<0.5	<0.01



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Page:

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Part 4

CERTIFICATE OF ANALYSIS

MEN08000620.1

	Method	1DX	1DX
	Analyte	Tl	Se
	Unit	ppm	ppm
	MDL	0.1	0.5
10698	Rock	0.1	<0.5
10699	Rock	0.1	<0.5
10700	Rock	0.1	<0.5
6694	Rock	0.2	<0.5
6640	Rock	0.2	<0.5
6690	Rock	<0.1	<0.5
6631	Rock	0.1	<0.5
6650	Rock	0.1	<0.5
6626	Rock	<0.1	<0.5
9051	Rock	<0.1	0.6
9056	Rock	0.2	<0.5
9066	Rock	0.1	<0.5

QUALITY CONTROL REPORT

MEN08000620.1

Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	
		SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	Ga
Unit		%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	
MDL		0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	0.5
9081	Rock	60.44	16.06	5.96	1.47	4.24	3.02	3.02	0.56	0.145	0.10	0.009	22	15	4.6	99.68	1540	2	13.0	9.9	19.5
Pulp Duplicates																					
6709	Rock	70.87	14.45	3.07	0.29	1.31	2.64	4.82	0.22	0.048	0.02	<0.002	<20	5	2.0	99.78	999	2	2.8	40.4	15.8
REP 6709																					
6761	Rock	75.74	12.68	1.56	0.10	0.15	0.74	7.03	0.10	0.021	0.01	<0.002	<20	4	1.7	99.82	828	2	<0.2	9.8	15.8
REP 6761																					
6764	Rock	72.38	12.92	2.71	0.15	0.14	0.81	9.42	0.13	0.012	0.01	0.007	<20	8	1.1	99.82	819	2	3.1	8.9	15.2
REP 6764																					
9073	Rock	75.77	12.28	2.08	0.19	0.32	1.86	4.71	0.08	0.011	<0.01	<0.002	<20	8	2.5	99.81	1066	3	0.5	8.9	16.9
REP 9073																					
9100	Rock	54.28	17.73	7.35	2.49	5.27	3.14	2.06	0.88	0.228	0.15	0.008	<20	21	6.1	99.74	577	2	18.4	3.7	23.9
REP 9100																					
6628	Rock	70.42	13.82	3.81	0.43	1.93	2.56	3.79	0.27	0.065	0.04	0.002	<20	6	2.7	99.82	877	2	3.8	5.3	16.1
REP 6628																					
10700	Rock	76.84	11.67	1.44	0.08	0.16	1.56	6.61	0.19	0.041	0.01	<0.002	<20	3	1.2	99.78	1674	2	0.9	8.2	6.2
REP 10700																					
Reference Materials																					
STD CSC	Standard																				
STD CSC	Standard																				
STD CSC	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				

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Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	
		Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	
9081	Rock	6.0	12.2	124.0	3	350.2	0.7	15.0	2.5	110	1.8	211.9	26.3	39.6	75.1	9.10	32.9	5.94	1.45	5.19	0.80
Pulp Duplicates																					
6709	Rock	4.3	8.5	176.6	3	157.4	0.9	16.9	3.1	38	3.9	135.0	24.2	31.1	59.8	7.11	23.7	4.58	0.80	3.87	0.70
REP 6709	QC																				
6761	Rock	4.1	9.0	279.7	3	28.7	0.8	14.9	4.2	10	1.8	104.6	20.3	20.0	44.2	5.52	19.9	4.60	0.55	3.88	0.68
REP 6761	QC																				
6764	Rock	4.3	11.0	419.4	3	52.4	1.1	17.1	2.1	19	2.2	96.1	27.8	34.6	44.8	10.62	38.5	9.12	1.10	7.30	1.23
REP 6764	QC	3.9	11.6	425.3	3	52.6	1.0	17.5	2.1	19	2.1	100.2	28.2	34.2	44.9	10.60	38.7	9.21	1.10	7.48	1.25
9073	Rock	4.1	12.1	205.8	3	53.2	0.9	17.6	2.6	21	6.0	116.4	25.2	30.9	60.8	8.14	29.6	5.78	0.64	5.11	0.80
REP 9073	QC																				
9100	Rock	7.3	13.4	79.6	2	298.6	0.7	9.8	2.5	143	1.5	313.7	30.4	37.7	70.1	9.21	35.2	6.42	1.56	5.93	0.91
REP 9100	QC																				
6628	Rock	3.8	10.2	160.2	4	176.3	0.7	16.3	2.8	25	4.7	142.9	21.2	33.0	64.4	7.49	26.5	4.60	0.82	3.87	0.62
REP 6628	QC																				
10700	Rock	4.6	10.7	236.4	3	89.1	0.9	17.5	3.8	<8	4.0	142.3	16.1	9.1	30.0	2.32	8.6	1.63	0.26	1.77	0.35
REP 10700	QC	4.3	11.8	247.3	3	93.0	1.0	17.7	4.1	<8	4.3	153.0	17.5	9.3	32.4	2.43	8.6	1.79	0.30	1.84	0.36
Reference Materials																					
STD CSC	Standard																				
STD CSC	Standard																				
STD CSC	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				

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Method	Analyte	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	2A C/S	2A C/S	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
		Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	
MDL		0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.5	0.01
9081	Rock	4.56	0.94	2.56	0.40	2.43	0.41	0.50	<0.02	0.5	20.2	9.8	74	15.9	4.2	<0.1	<0.1	0.1	<0.1	0.8	<0.01	
Pulp Duplicates																						
6709	Rock	3.88	0.82	2.43	0.39	2.60	0.38	0.04	<0.02	0.3	1.5	12.6	32	0.9	7.2	<0.1	0.6	0.2	<0.1	<0.5	<0.01	
REP 6709	QC							0.04	0.02													
6761	Rock	3.71	0.76	2.22	0.37	2.10	0.33	0.05	0.03	0.3	5.0	83.0	54	0.8	1.0	<0.1	<0.1	<0.1	<0.1	3.9	0.03	
REP 6761	QC									0.5	6.4	90.5	60	1.0	1.0	<0.1	<0.1	<0.1	0.1	2.7	0.03	
6764	Rock	6.26	1.15	3.27	0.52	3.05	0.45	0.04	0.02	1.2	5.6	15.3	59	9.7	7.8	<0.1	0.4	<0.1	<0.1	3.1	<0.01	
REP 6764	QC	6.13	1.21	3.15	0.50	3.21	0.47															
9073	Rock	4.48	0.96	2.66	0.44	2.59	0.43	0.16	<0.02	0.3	5.6	8.0	10	1.5	1.6	<0.1	0.1	<0.1	<0.1	1.5	0.03	
REP 9073	QC							0.16	0.03													
9100	Rock	5.00	1.09	2.91	0.48	2.77	0.46	0.48	<0.02	0.7	18.6	10.3	94	17.8	18.0	0.1	0.1	0.1	<0.1	2.0	<0.01	
REP 9100	QC							0.49	<0.02													
6628	Rock	3.51	0.76	2.01	0.35	2.09	0.35	0.11	<0.02	0.5	5.7	11.9	23	1.3	3.1	<0.1	0.2	<0.1	<0.1	<0.5	0.01	
REP 6628	QC									0.5	5.8	12.1	22	1.0	3.4	<0.1	0.2	<0.1	<0.1	<0.5	0.01	
10700	Rock	2.37	0.59	1.79	0.32	2.04	0.36	0.03	<0.02	0.4	2.4	6.5	40	0.8	1.8	0.1	0.2	0.4	0.6	<0.5	0.06	
REP 10700	QC	2.53	0.60	1.86	0.33	2.19	0.39															
Reference Materials																						
STD CSC	Standard							3.15	4.26													
STD CSC	Standard							3.16	4.38													
STD CSC	Standard							3.07	4.21													
STD DS7	Standard									19.0	116.1	73.8	402	57.3	47.1	5.9	5.5	5.2	0.8	58.1	0.19	
STD DS7	Standard									20.7	124.3	76.0	418	56.5	49.7	5.7	5.5	5.1	0.8	53.0	0.19	
STD DS7	Standard									20.7	100.5	66.2	376	56.5	47.6	5.6	4.4	4.0	0.8	128.9	0.19	
STD DS7	Standard									20.1	108.0	70.3	383	58.0	49.5	6.2	4.4	4.1	0.8	67.7	0.20	
STD DS7	Standard									22.4	112.3	74.8	422	62.6	54.4	6.3	4.0	4.8	0.9	61.0	0.22	
STD DS7	Standard									22.5	120.1	71.6	430	62.7	55.3	6.4	4.1	4.7	0.9	69.4	0.21	
STD OREAS76A	Standard							0.16	17.40													
STD OREAS76A	Standard							0.15	17.40													
STD OREAS76A	Standard							0.15	17.36													

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	Method	1DX	1DX
	Analyte	TI	Se
	Unit	ppm	ppm
	MDL	0.1	0.5
9081	Rock	<0.1	<0.5
Pulp Duplicates			
6709	Rock	<0.1	<0.5
REP 6709	QC		
6761	Rock	<0.1	<0.5
REP 6761	QC	<0.1	<0.5
6764	Rock	0.1	<0.5
REP 6764	QC		
9073	Rock	<0.1	<0.5
REP 9073	QC		
9100	Rock	<0.1	<0.5
REP 9100	QC		
6628	Rock	<0.1	<0.5
REP 6628	QC	0.1	<0.5
10700	Rock	0.1	<0.5
REP 10700	QC		
Reference Materials			
STD CSC	Standard		
STD CSC	Standard		
STD CSC	Standard		
STD DS7	Standard	4.0	3.2
STD DS7	Standard	4.0	3.6
STD DS7	Standard	4.0	3.9
STD DS7	Standard	3.8	4.1
STD DS7	Standard	4.6	3.1
STD DS7	Standard	4.6	3.8
STD OREAS76A	Standard		
STD OREAS76A	Standard		
STD OREAS76A	Standard		

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		4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B
		SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ni	Sc	LOI	Sum	Ba	Be	Co	Cs	Ga
		%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.001	0.01	0.002	20	1	-5.1	0.01	1	1	0.2	0.1	0.5
STD SO-18	Standard	58.11	14.12	7.61	3.34	6.37	3.69	2.15	0.69	0.822	0.39	0.548	35	26	1.9	99.74	505	<1	30.4	6.7	18.1
STD SO-18	Standard	58.06	14.13	7.62	3.33	6.38	3.69	2.15	0.69	0.824	0.39	0.548	38	25	1.9	99.73	533	<1	30.3	7.3	17.5
STD SO-18	Standard	58.07	14.14	7.61	3.33	6.37	3.70	2.15	0.69	0.823	0.39	0.548	33	25	1.9	99.72	510	2	27.2	6.9	17.4
STD SO-18	Standard	58.07	14.12	7.61	3.33	6.38	3.70	2.15	0.69	0.826	0.39	0.548	68	26	1.9	99.72	507	<1	27.4	6.8	17.2
STD SO-18	Standard	58.10	14.13	7.61	3.33	6.37	3.69	2.15	0.69	0.822	0.39	0.550	49	26	1.9	99.73	515	<1	27.8	7.1	17.7
STD SO-18	Standard	58.04	14.14	7.63	3.33	6.37	3.71	2.15	0.69	0.822	0.39	0.552	44	27	1.9	99.73	514	<1	27.6	7.1	17.6
STD DS7 Expected																					
STD CSC Expected																					
STD OREAS76A Expected																					
STD SO-18 Expected		58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	44	25			514		26.2	7.1	17.6
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001	<0.01	<0.002	<20	<1	0.0	<0.01	<1	<1	<0.2	<0.1	<0.5
Prep Wash																					
PREP BLANK	Prep Blank	97.80	0.36	1.43	<0.01	0.02	0.04	0.17	<0.01	<0.001	0.02	<0.002	<20	<1	0.2	100.02	5	<1	<0.2	<0.1	1.3

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		4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	
		Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01
STD SO-18	Standard	9.3	24.3	29.4	17	422.4	6.2	11.8	18.2	223	15.2	310.7	31.2	12.5	25.3	3.44	13.8	2.78	0.88	2.94	0.50
STD SO-18	Standard	10.1	25.1	30.5	17	434.0	6.9	11.4	17.5	212	14.7	323.0	31.7	12.2	25.8	3.43	13.7	2.70	0.86	2.91	0.48
STD SO-18	Standard	9.7	21.4	28.4	15	416.4	7.3	10.5	16.8	202	14.8	286.5	32.1	12.3	26.4	3.42	14.0	2.91	0.88	2.91	0.52
STD SO-18	Standard	9.3	21.1	28.1	15	413.6	7.3	10.4	16.9	200	14.8	282.5	31.9	12.2	26.3	3.42	13.9	2.89	0.88	2.89	0.52
STD SO-18	Standard	9.9	22.2	29.3	16	418.8	7.2	10.5	17.0	207	15.8	294.1	32.6	12.4	26.7	3.44	13.9	2.94	0.89	2.98	0.52
STD SO-18	Standard	10.1	22.4	28.8	15	413.9	7.3	10.7	16.6	205	15.1	292.3	32.3	12.3	26.8	3.43	13.9	2.93	0.88	2.95	0.52
STD DS7 Expected																					
STD CSC Expected																					
STD OREAS76A Expected																					
STD SO-18 Expected		9.8	20.9	28.7	15	407.4	7.4	9.9	16.4	200	15.1	280	33	12.3	27.1	3.45	14	3	0.89	2.93	0.53
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01
Prep Wash																					
PREP BLANK	Prep Blank	<0.1	1.0	6.6	<1	1.9	<0.1	<0.2	<0.1	20	<0.5	0.9	0.2	<0.1	0.2	0.04	0.4	<0.05	<0.02	0.10	0.01

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		4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	4A&4B	2A C/S	2A C/S	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
		Dy	Ho	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	
		ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	
		0.05	0.02	0.03	0.01	0.05	0.01	0.02	0.02	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1	0.1	0.5	0.01	
STD SO-18	Standard	2.92	0.64	1.72	0.29	1.69	0.29															
STD SO-18	Standard	3.00	0.63	1.81	0.28	1.75	0.29															
STD SO-18	Standard	2.99	0.61	1.78	0.29	1.78	0.28															
STD SO-18	Standard	2.95	0.62	1.83	0.29	1.78	0.27															
STD SO-18	Standard	3.03	0.64	1.83	0.29	1.80	0.28															
STD SO-18	Standard	3.01	0.63	1.79	0.29	1.79	0.28															
STD DS7 Expected										20.92	109	70.6	411	56	48.2	6.38	5.86	4.51	0.89	70	0.2	
STD CSC Expected								3.13	4.19													
STD OREAS76A Expected								0.16	18													
STD SO-18 Expected		3	0.62	1.84	0.29	1.79	0.27															
BLK	Blank									<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	
BLK	Blank									<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	
BLK	Blank									<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	
BLK	Blank							<0.02	<0.02													
BLK	Blank	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
BLK	Blank							<0.02	<0.02													
BLK	Blank	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
BLK	Blank							<0.02	<0.02													
BLK	Blank	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01															
Prep Wash																						
PREP BLANK	Prep Blank	0.06	<0.02	<0.03	<0.01	<0.05	0.01	<0.02	<0.02	0.2	2.5	0.6	<1	0.8	0.7	<0.1	<0.1	<0.1	<0.1	<0.5	<0.01	

QUALITY CONTROL REPORT

MEN08000620.1

		1DX TI ppm 0.1	1DX Se ppm 0.5
STD SO-18	Standard		
STD SO-18	Standard		
STD SO-18	Standard		
STD SO-18	Standard		
STD SO-18	Standard		
STD SO-18	Standard		
STD DS7 Expected		4.19	3.5
STD CSC Expected			
STD OREAS76A Expected			
STD SO-18 Expected			
BLK	Blank	<0.1	<0.5
BLK	Blank	<0.1	<0.5
BLK	Blank	<0.1	<0.5
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
Prep Wash			
PREP BLANK	Prep Blank	<0.1	<0.5