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Zinc and lead SEDEX style ore Reference Material

AMIS0083

Certificate of Analysis

Recommended Concentration and two “Between Laboratory” Standard Deviations

Certified Concentrations

Zn M/ICP	4597	±	308	ppm
Zn P	4522	±	402	ppm
Cu M/ICP	71.9	±	5.6	ppm
Cu P	71.8	±	7.8	ppm
Cu XRF	75.4	±	7.3	ppm
Pb M/ICP	1795	±	126	ppm
Pb P	1816	±	172	ppm
Specific Gravity	2.73	±	0.10	ppm

Provisional Concentrations

Ag M/ICP	3.40	±	0.50	ppm
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Major Element Certified Concentrations

Al ₂ O ₃	8.52	±	0.24	%
CaO	2.88	±	0.10	%
Fe ₂ O ₃	2.81	±	0.06	%
K ₂ O	3.14	±	0.08	%
MgO	1.75	±	0.16	%
MnO	0.05	±	0.004	%
S (ICP)	0.66	±	0.04	%
SiO ₂	73.33	±	1.26	%
TiO ₂	0.42	±	0.02	%

Major Element Provisional Concentrations

Cr ₂ O ₃	0.049	±	0.006	%
LOI	4.57	±	0.64	%
Na ₂ O	1.25	±	0.16	%
P ₂ O ₅	0.081	±	0.016	%

Intended use: AMIS0083 is suitable for monitoring the accuracy of a single analysis of SEDEX style lead-zinc ores hosted in siliceous rocks sedimentary rocks. The material can be used for routine quality control by inserting within a batch of samples. It can also be used for instrument calibration.

The recommended mean and "Between Lab" standard deviations for this standard reflect the average results from the laboratories that participated in the round robin. Slight variations in analytical procedures between laboratories will reflect as slight biases to the recommended concentrations and this is acceptable. Good laboratories however will report results within the two standard deviation levels with a failure of <10 %.

Origin of material: This material was provided by Mt Burgess Mining (NL) from their Kihabe Base Metals Project is located on the border of Botswana and Namibia about 700km north-west of the capital, Gaborone, in Ngamiland. The Project is 350km by road from Maun and 50km from Tsumkwe, Namibia. The target is within a Proterozoic belt of metasedimentary rocks, with around one third of the prospective geology occurring in Botswana (PL 69/2003, area ~1,000km²) and two thirds in Namibia.

The belt of Proterozoic sedimentary rocks, composed primarily of carbonate and siliclastic rocks, form a trapezoidal wedge of tightly to isoclinally folded metamorphosed sediments of the Damaran Supergroup, bounded by granites and gneisses of the Quangwadum Complex and Kihabe Complex. The target mineralisation is primarily stratiform to stratabound sedimentary exhalative (SEDEX) sulphides occurring at a known stratigraphic level within the basin. The Company's geological model is that the Belt represents a re-closed rift basin with a fill of arkose, greywacke, quartzites and sabkha-facies stromatolitic dolomites. Mineralisation occurs between dolomite and quartzite for a combined strike length of 450km within Namibia and Botswana.

The Kihabe Resource is located along a contact between the dolomite footwall and a sequence of rhythmically bedded sandstones, which have been folded and metamorphosed to, respectively, dolomitic marble and chloritic quartzite. The local geology of the deposit is known to be a west-plunging syncline. Mineralisation is developed within the host quartzite within thick, coarse grained beds, and weakens upwards in the stratigraphy as the grain size reduces. Mineralisation forms a series of overlapping stacked horizons controlled by the beds within the quartzite.

Appearance: The material is a very fine powder coloured Light Blueish Grey (Corstor 5B 8/1).

Method of preparation: The material was crushed, dry-milled and air-classified to 100% <54µm. Wet sieve particle size analysis of random samples confirmed the material was 100% <54µm. It was then blended in a bi-conical mixer, systematically divided and then sealed into 1kg Laboratory Packs. Samples were randomly selected for homogeneity testing and third party analysis. Statistical analysis for the consensus test results were carried out by an independent statistician. Explorer Packs are subdivided from the Laboratory packs as required.

Methods of analysis requested:

1. Au, Pb collection with Ag as a co-collector ICP-MS.
2. Multi element scan to include Zn, Pb, Cu, Ag. Multi-acid total digestion, including HF, ICP-OES or ICP-MS (M ICP).
3. Zn, Pb, Cu. Aqua regia digestion with ICP-OES or ICP-MS (P).
4. Zn, Pb, Cu. Pressed Pellet, XRF.
5. Majors (Al₂O₃, CaO, Cr₂O₃, Fe₂O₃, K₂O, MgO, MnO, Na₂O, SiO₂, TiO₂. LOI.) XRF fusion.
6. SG, gas pycnometer.

Method of certification: Twenty laboratories were each given eight randomly selected packages of sample. Eighteen of the laboratories submitted results for the ore elements, twelve laboratories submitted results for the major elements.

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data.

This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards. Standards with an RSD of near or less than 5 % are certified, RSD's of between near 5 % and 15 % are Provisional, and RSD's over 15 % are Indicated.

Participating laboratories: (Not in same order as in the table of assays)

1. ACME Analytical Laboratories Ltd CA
2. Activation Laboratories Pty Ltd (Actlabs Pacific) WA
3. ALS Chemex Laboratory Group Johannesburg SA
4. ALS Chemex Laboratory Group Perth WA
5. ALS Chemex Laboratory Group Vancouver CA
6. Ammtec Limited WA
7. Anglo Research (Crown Campus)
8. Assayers Canada
9. Genalysis Laboratory Services WA
10. Intertek Testing Services Ltd Shanghai (ITS Beijing)
11. Intertek Utama Services (Indonesia)
12. Labtium Inc Finland
13. OMAC Laboratories Limited (Ireland)
14. Set Point Laboratories (Isando) SA
15. SGS Australia Pty Ltd (Newburn) WA
16. SGS Lakefield Research Africa (Pty) Ltd (Booyens SA)
17. SGS Mineral Services Lakefield (Canada)
18. Ultra Trace (Pty) Ltd WA

Assay Data: Data as received from the laboratories is set out below. A proficiency report has been sent to the managers of the participating laboratories.

Lab Code	Zn M ICP ppm	Zn P ppm	Zn XRF ppm	Ag M ICP ppm	Cu M ICP ppm	Cu P ppm	Cu XRF ppm	Pb M ICP ppm	Pb P ppm	Pb XRF ppm	SG
A	4570	4460		3.00	74.0	74.0		1800	1800		2.79
A	4570	4330		3.00	74.0	76.0		1800	1790		2.79
A	4590	4260		3.00	76.0	73.0		1740	1740		2.79
A	4630	4360		3.00	76.0	75.0		1740	1740		2.79
A	4640	4260		3.00	74.0	75.0		1820	1790		2.81
A	4610	4540		4.00	76.0	74.0		1810	1780		2.81
A	4620	4490		3.00	74.0	74.0		1840	1780		2.79
A	4590	4560		3.00	76.0	75.0		1770	1770		2.79
B	4600	4500		4.00	70.0	70.0		1800	1900		
B	4700	4500		3.00	70.0	70.0		1800	1800		
B	4700	4500		4.00	70.0	60.0		1800	1900		
B	4700	4400		4.00	70.0	70.0		1900	1900		
B	4700	3800		3.00	70.0	50.0		1900	1600		
B	4700	4500		4.00	70.0	70.0		1900	1900		
B	4700	4500		4.00	70.0	70.0		1900	1900		
B	4700	4500		5.00	70.0	70.0		1800	1900		
D	4780	4580	4720	3.40	74.0	71.0	75.00	1780	1850	1800	2.64
D	4730	3740	4680	3.60	78.0	73.0	75.00	1750	1490	1770	2.62
D	4930	4530	4720	3.30	76.0	68.0	75.00	1820	1790	1860	2.63
D	4930	4450	4690	3.40	75.0	70.0	74.00	1810	1790	1810	2.65
D	4950	4650	4700	3.40	75.0	68.0	74.00	1840	1860	1860	2.65
D	4360	4480	4720	3.40	74.0	76.0	75.00	1840	1820	1850	2.64
D	4850	4670	4660	3.30	73.0	75.0	75.00	1830	1900	1770	2.64
D	4960	4740	4730	3.20	73.0	74.0	76.00	1820	1910	1830	2.63
E	4549			3.20	76.0			1834			
E	4549			3.20	79.0			1803			
E	4515			3.20	81.0			1876			
E	4566			3.40	85.0			1830			
E	4547			3.10	78.0			1807			
E	4608			3.20	77.0			1827			
E	4550			3.10	81.0			1770			
E	4524			3.10	82.0			1781			
F	4425	4540		3.30	74.6	74.0		1776	1750		
F	4523	4430		3.20	75.5	72.0		1771	1710		
F	4426	4530		3.30	73.7	73.0		1837	1720		
F	4599	4440		3.30	74.4	71.0		1853	1750		
F	4589	4430		3.50	77.8	71.0		1807	1770		
F	4443	4380		3.50	77.7	71.0		1853	1740		
F	4552	4480		3.40	76.6	72.0		1798	1770		
F	4562	4420		3.30	77.4	71.0		1816	1740		
G							77.10				2.76
G							77.60				2.77
G							75.90				2.77
G							76.90				2.77
G							77.90				2.79
G							78.20				2.78
G							78.40				2.78
G							77.20				2.77
H	4537	3051	5080		69.0	75.1	76.30	2087	1691	2141	2.70
H	4618	3264	5084		72.0	74.4	77.00	2061	1785	2120	2.70
H	4592	3199	5094		67.0	74.5	76.10	1983	1708	2199	2.70
H	4798	3218	4904		71.0	70.7	77.10	2085	1683	2070	2.69
H	4668	3164	5036		72.0	73.2	69.00	2150	1705	2132	2.70
H	4684	3210	4959		75.0	73.1	69.00	2071	1721	2045	2.71
H	4656	3235	4932		69.0	73.8	71.00	1995	1756	2030	2.69
H	4669	3355	5074		69.0	76.2	67.00	1986	1802	2035	2.70
I	4630	4270		3.30	75.0	67.0		1865	1740		2.58
I	4570	4190		3.10	74.0	65.0		1830	1690		2.54
I	4400	4300		3.80	71.0	69.0		1760	1740		2.53
I	4570	4210		3.30	74.0	66.0		1800	1720		2.54
I	4430	4200		3.20	71.0	65.0		1770	1720		2.53
I	4420	4120		3.20	71.0	64.0		1740	1670		2.55
I	4400	4340		3.10	69.0	67.0		1765	1720		2.48
I	4320	4300		3.30	68.0	66.0		1720	1670		2.54
J	4520	4760		3.34	72.4	77.7		1760	1930		2.79
J	4290	4910		3.14	68.7	79.4		1645	1980		2.77
J	4420	4930		3.15	72.8	79.2		1710	1990		2.78
J	4510	4870		3.41	73.1	79.6		1750	1960		2.78
J	4430	4880		3.41	69.7	78.2		1710	1960		2.76
J	4490	4790		3.36	70.3	76.7		1730	1940		2.75
J	4440	4930		3.37	70.3	79.8		1710	1990		2.74
J	4410	4740		3.20	69.8	74.9		1680	1920		2.75

Assay Data (cont):

Lab Code	Zn M ICP ppm	Zn P ppm	Zn XRF ppm	Ag M ICP ppm	Cu M ICP ppm	Cu P ppm	Cu XRF ppm	Pb M ICP ppm	Pb P ppm	Pb XRF ppm	SG
K	4070	4660	4720	3.60	69.2	78.0	70.00	1685	1900	1915	2.72
K	4100	4590	4720	3.41	67.4	77.0	70.00	1690	1860	1925	2.82
K	4150	4550	4710	3.34	68.6	77.7	80.00	1715	1870	1920	2.66
K	4220	4930	4740	3.95	68.8	82.9	80.00	1670	1990	1925	2.65
K	4050	5040	4720	4.01	66.7	83.7	80.00	1685	1990	1920	2.72
K	4110	4750	4760	3.61	68.1	82.2	80.00	1695	1950	1920	2.75
K	4150	4800	4710	3.75	67.8	83.3	80.00	1710	1960	1925	2.67
K	4150	4740	4710	3.39	68.3	71.7	70.00	1710	1840	1915	2.58
L	4665	4755		3.52	75.3	74.5		1923	1904		
L	4769	4792		3.37	76.4	71.5		1969	1876		
L	4664	4835		3.34	72.5	73.1		1960	1937		
L	4877	4861		3.47	71.9	72.6		1930	1933		
L	4843	4793		3.28	78.2	71.3		1976	1898		
L	4786	4822		3.57	73.0	72.6		1935	1927		
L	4781	4841		3.44	73.6	72.0		1929	1912		
L	4845	4877		3.46	74.4	72.9		1947	1913		
M	4600	4550		3.40	69.0	80.0	72.00	1800	1880		2.71
M	4600	4570		3.60	69.0	70.0	71.00	1700	1890		2.72
M	4700	4660		3.70	65.0	70.0	72.00	1800	1900		2.72
M	4700	4570		3.50	69.0	70.0	71.00	1700	1900		2.69
M	4700	4500		3.70	66.0	70.0	70.00	1700	1850		2.71
M	4600	4590		3.50	71.0	80.0	71.00	1700	1860		2.72
M	4700	4640		3.60	72.0	70.0	70.00	1700	1870		2.70
M	4600	4580		3.40	72.0	80.0	70.00	1700	1860		2.72
N	4300	4400	4800	3.60	70.0	66.0		1800	1700	2000	2.70
N	4400	4300	4700	3.60	69.0	67.0		1800	1600	2000	2.72
N	4200	4300	4900	3.50	67.0	67.0		1800	1600	2000	2.68
N	4400	4100	4900	3.50	67.0	70.0		1800	1500	1900	2.80
N	4200	4400	4800	3.50	68.0	68.0		1800	1700	2000	2.67
N	4200	4200	4800	3.60	71.0	67.0		1800	1600	2000	2.70
N	4300	4400	4800	3.60	67.0	66.0		1800	1500	2000	2.69
N	4300	4300	4900	3.60	67.0	70.0		1800	1600	2000	2.70
O	4300	4350		3.70	71.0	66.0		1870	1760		
O	4370	4280		3.90	71.0	67.0		1880	1740		
O	4180	4230		3.80	68.0	69.0		1790	1770		
O	4360	4320		4.20	70.0	72.0		1880	1800		
O	4220	4100		3.80	72.0	70.0		1820	1730		
O	4330	4440		3.90	72.0	69.0		1880	1790		
O	4150	4240		3.60	69.0	67.0		1800	1730		
O	4280	4160		3.80	69.0	65.0		1840	1700		
P	4080	4380	4767		64.6	72.0	107.00	1600	1830	2168	2.73
P	4070	4360	4662		63.1	72.0	83.00	1620	1810	2141	2.74
P	4080	4380	4786		65.1	76.0	86.00	1630	1810	2171	2.73
P	4070	4390	4784		61.5	73.0	92.00	1540	1810	2173	2.73
P	4110	4390	4716		62.1	78.0	89.00	1610	1800	2155	2.73
P	4140	4380	4737		64.7	72.0	83.00	1650	1810	2172	2.73
P	4110	4350	4782		61.7	71.0	86.00	1630	1810	2165	2.73
P	4130	4380	4742		66.8	74.0	91.00	1690	1820	2167	2.73
Q	4760	3890		3.10	73.0	66.0		1840	1690		
Q	4770	3910		3.00	70.0	67.0		1830	1700		
Q	4770	3910		3.00	72.0	67.0		1830	1700		
Q	4800	3890		3.20	75.0	67.0		1890	1680		
Q	4740	3960		3.10	71.0	67.0		1830	1710		
Q	4760	3940		3.20	72.0	68.0		1850	1700		
Q	4750	3900		3.10	75.0	67.0		1830	1690		
Q	4750	3930		3.00	75.0	65.0		1900	1710		
R	4892	4745	4592	3.30	74.0	78.0	80.00	1962	1904	1703	
R	4883	4616	4564	3.40	71.0	72.0	79.00	1961	1822	1708	2.95
R	5009	4595	4524	3.30	72.0	72.0	79.00	1979	1839	1696	2.88
R	5125	4709	4554	3.20	75.0	73.0	79.00	1961	1865	1706	2.81
R	4945	4590	4549	3.20	73.0	72.0	80.00	1979	1815	1716	2.96
R	5050	4586	4530	3.30	76.0	74.0	79.00	1983	1833	1690	2.83
R	5069	4614	4566	3.30	73.0	73.0	79.00	1974	1822	1705	2.91
R	4996	4629	4526	3.40	72.0	73.0	76.00	2022	1851	1677	2.86
S	4672	4600		3.50	72.0	74.0		1771	1802		2.81
S	4669	4585		3.80	75.0	74.0		1735	1761		
S	4685	4529		3.70	74.0	77.0		1750	1801		
S	4671	4579		3.50	73.0	75.0		1755	1799		
S	4695	4532		3.60	74.0	76.0		1771	1798		
S	4651	4558		3.40	75.0	75.0		1787	1804		
S	4674	4548		3.40	74.0	75.0		1780	1779		
S	4636	4535		3.40	74.0	75.0		1747	1764		

Major Element Assay Data:

Lab Code	Al2O3 XRF %	CaO XRF %	Cr2O3 XRF %	Fe2O3 XRF %	K2O XRF %	LOI %	MgO XRF %	MnO XRF %	Na2O XRF %	P2O5 XRF %	S ICP %	SiO2 XRF %	TiO2 XRF %
A	8.60	2.94	0.05	2.82	3.18	4.38	1.80	0.05	1.37		0.66	73.84	0.42
A	8.60	2.94	0.05	2.82	3.18	4.33	1.80	0.05	1.37		0.65	73.94	0.42
A	8.61	2.94	0.05	2.82	3.18	4.25	1.80	0.05	1.37		0.66	73.95	0.42
A	8.63	2.95	0.05	2.83	3.19	4.27	1.81	0.05	1.38		0.68	74.06	0.42
A	8.62	2.93	0.05	2.80	3.18	4.26	1.81	0.05	1.37		0.67	74.00	0.42
A	8.63	2.94	0.05	2.81	3.18	4.44	1.80	0.05	1.38		0.67	74.01	0.42
A	8.63	2.96	0.05	2.81	3.19	4.26	1.80	0.05	1.38		0.67	74.07	0.42
A	8.62	2.94	0.05	2.82	3.19	4.27	1.81	0.05	1.37		0.67	74.05	0.42
D	8.55	2.82	0.05	2.82	3.18	4.85	1.69	0.05	1.16	0.08	0.66	73.56	0.42
D	8.52	2.77	0.05	2.84	3.15	4.79	1.67	0.05	1.16	0.08	0.69	73.30	0.42
D	8.47	2.83	0.05	2.85	3.16	4.82	1.68	0.05	1.14	0.08	0.68	73.54	0.43
D	8.48	2.80	0.05	2.84	3.20	4.83	1.70	0.05	1.15	0.08	0.68	73.38	0.43
D	8.52	2.81	0.05	2.84	3.14	4.93	1.70	0.05	1.16	0.08	0.68	73.50	0.42
D	8.54	2.82	0.05	2.84	3.16	4.84	1.68	0.05	1.15	0.08	0.63	73.37	0.43
D	8.39	2.81	0.05	2.81	3.14	4.90	1.67	0.05	1.16	0.08	0.64	72.99	0.41
D	8.59	2.85	0.05	2.86	3.19	4.83	1.71	0.05	1.18	0.08	0.65	73.42	0.43
F											0.46		
F											0.57		
F											0.53		
F											0.58		
F											0.60		
F											0.59		
F											0.60		
F											0.54		
G	8.06	2.77			3.00	4.60	1.59	0.05	1.12	0.08		67.90	0.39
G	8.17	2.77			3.01	4.61	1.62	0.05	1.28	0.08		67.60	0.40
G	8.08	2.78			3.02	4.59	1.62	0.05	1.19	0.08		67.70	0.39
G	8.14	2.76			3.00	4.59	1.60	0.05	1.22	0.08		67.90	0.39
G	8.03	2.76			2.99	4.58	1.59	0.05	1.16	0.08		67.50	0.39
G	8.11	2.76			3.00	4.52	1.60	0.05	1.16	0.08		67.80	0.39
G	8.08	2.77			3.00	4.61	1.61	0.05	1.14	0.08		68.00	0.39
G	8.09	2.75			2.99	4.59	1.62	0.05	1.16	0.08		67.60	0.39
H	8.32	2.92	0.05	3.49	3.14	4.13	2.52	0.05	1.38	0.07		72.22	0.44
H	8.43	2.82	0.05	3.01	3.05	4.07	2.56	0.05	1.38	0.07		72.85	0.40
H	8.42	2.94	0.05	3.10	3.16	4.03	2.55	0.05	1.36	0.06		72.58	0.42
H	8.14	2.84	0.05	3.02	3.06	4.12	2.48	0.05	1.36	0.07		73.16	0.40
H	8.45	2.94	0.04	3.09	3.15	4.21	2.55	0.05	1.34	0.06		72.43	0.42
H	8.22	2.83	0.04	3.01	3.06	4.09	2.46	0.05	1.35	0.07		73.15	0.40
H	8.48	2.95	0.05	3.11	3.16	4.04	2.55	0.05	1.35	0.06		72.52	0.42
H	8.24	2.82	0.05	3.01	3.06	4.16	2.49	0.05	1.36	0.07		73.01	0.40
I	8.47	2.91	0.05	2.75	3.15	4.02	1.61	0.05	1.16		0.67	73.00	0.39
I	8.43	2.93	0.05	2.77	3.18	4.11	1.62	0.05	1.15		0.66	72.90	0.41
I	8.45	2.98	0.05	2.82	3.21	4.04	1.63	0.05	1.18		0.65	72.70	0.41
I	8.42	2.95	0.05	2.84	3.20	4.41	1.61	0.05	1.16		0.66	72.40	0.43
I	8.39	2.94	0.05	2.81	3.19	4.26	1.63	0.05	1.17		0.65	72.60	0.41
I	8.44	2.94	0.05	2.81	3.20	4.44	1.62	0.05	1.17		0.65	72.40	0.42
I	8.42	2.94	0.05	2.82	3.18	4.21	1.62	0.05	1.18		0.65	72.70	0.41
I	8.48	2.96	0.05	2.86	3.20	3.99	1.62	0.05	1.20		0.63	72.70	0.41
J											0.69		
J											0.64		
J											0.67		
J											0.68		
J											0.67		
J											0.67		
J											0.67		
J											0.67		
K	8.68	2.98	0.05	2.78	3.26	5.10	1.83	0.05	1.27	0.09		73.16	0.43
K	8.69	2.94	0.05	2.79	3.28	5.13	1.82	0.05	1.26	0.09		73.22	0.43
K	8.71	2.95	0.05	2.81	3.27	5.11	1.83	0.05	1.27	0.09		73.18	0.43
K	8.74	2.96	0.05	2.80	3.29	5.09	1.84	0.05	1.28	0.09		73.10	0.44
K	8.73	2.94	0.05	2.81	3.28	5.07	1.83	0.05	1.26	0.09		73.15	0.43
K	8.69	2.94	0.05	2.81	3.30	4.96	1.82	0.05	1.26	0.09		73.11	0.44
K	8.75	2.94	0.05	2.80	3.26	5.16	1.83	0.05	1.28	0.09		73.06	0.44
K	8.69	2.92	0.05	2.78	3.26	5.19	1.81	0.05	1.26	0.09		73.00	0.43
L											0.64		
L											0.66		
L											0.64		
L											0.64		
L											0.65		
L											0.64		
L											0.63		
L											0.64		

Major Element Assay Data (cont):

Lab Code	Al2O3 XRF %	CaO XRF %	Cr2O3 XRF %	Fe2O3 XRF %	K2O XRF %	LOI %	MgO XRF %	MnO XRF %	Na2O XRF %	P2O5 XRF %	S ICP %	SiO2 XRF %	TiO2 XRF %
M	8.00	2.82	0.05	2.96	3.02	4.70	1.75	0.05	1.25	0.06		70.90	0.42
M	8.11	2.82	0.05	2.74	3.05	4.88	1.75	0.04	1.29	0.07		71.90	0.43
M	8.25	2.83	0.04	2.79	3.09	4.53	1.78	0.04	1.34	0.07		71.80	0.42
M	8.40	2.83	0.05	2.81	3.08	4.84	1.76	0.03	1.37	0.06		72.60	0.41
M	8.46	2.84	0.04	2.85	3.09	4.77	1.80	0.04	1.28	0.07		72.90	0.43
M	8.32	2.83	0.04	2.81	3.08	4.76	1.79	0.04	1.29	0.07		72.30	0.42
M	8.45	2.85	0.05	2.84	3.08	4.80	1.81	0.05	1.37	0.07		72.50	0.42
M	8.31	2.83	0.04	2.77	3.08	4.52	1.73	0.04	1.30	0.07		71.90	0.43
N	8.48	2.87	0.04	2.62	3.11	5.09	1.81	0.04	1.36	0.08		74.00	0.41
N	8.55	2.85	0.05	2.67	3.10	4.90	1.80	0.06	1.30	0.09		74.40	0.41
N	8.50	2.88	0.05	2.64	3.13	4.75	1.86	0.05	1.31	0.09		74.00	0.41
N	8.52	2.85	0.05	2.64	3.13	4.97	1.83	0.05	1.28	0.09		73.90	0.41
N	8.45	2.86	0.04	2.65	3.14	4.87	1.84	0.05	1.24	0.08		74.10	0.40
N	8.55	2.83	0.05	2.65	3.17	4.79	1.83	0.05	1.28	0.09		73.90	0.41
N	8.44	2.85	0.05	2.64	3.13	4.81	1.81	0.06	1.33	0.08		74.20	0.41
N	8.55	2.89	0.05	2.67	3.09	4.74	1.80	0.05	1.32	0.07		74.10	0.41
O	8.46	2.85	0.05	2.80	3.12	4.08	1.76	0.05	1.20		0.69	72.90	0.41
O	8.45	2.84	0.05	2.81	3.13	4.14	1.72	0.05	1.21		0.70	72.90	0.41
O	8.44	2.85	0.06	2.82	3.13	4.05	1.73	0.05	1.21		0.67	73.00	0.41
O	8.43	2.82	0.05	2.80	3.13	4.04	1.73	0.05	1.22		0.69	73.00	0.41
O	8.50	2.84	0.05	2.81	3.14	4.06	1.73	0.05	1.22		0.68	72.90	0.41
O	8.47	2.84	0.05	2.80	3.14	3.84	1.74	0.05	1.21		0.69	73.10	0.41
O	8.46	2.85	0.05	2.80	3.14	3.80	1.74	0.05	1.22		0.66	73.10	0.41
O	8.43	2.86	0.05	2.81	3.12	3.88	1.73	0.05	1.21		0.68	73.10	0.41
P	8.74	2.89	0.05	2.88	3.20		1.83	0.05	0.97	0.09	0.60	74.90	0.44
P	8.65	2.84	0.05	2.81	3.13		1.79	0.05	0.95	0.09	0.59	74.00	0.43
P	8.70	2.91	0.05	2.87	3.20		1.82	0.05	0.99	0.09	0.61	75.10	0.44
P	8.73	2.90	0.05	2.86	3.20		1.82	0.05	0.99	0.09	0.61	75.00	0.45
P	8.68	2.86	0.05	2.83	3.15		1.80	0.05	0.96	0.09	0.60	74.30	0.43
P	8.68	2.89	0.05	2.83	3.18		1.83	0.05	0.98	0.08	0.60	74.80	0.43
P	8.70	2.90	0.05	2.84	3.17		1.82	0.04	0.97	0.09	0.60	74.60	0.43
P	8.70	2.89	0.05	2.85	3.17		1.82	0.05	0.98	0.09	0.61	74.80	0.44
Q	8.45	2.82	0.05	2.72	3.09	4.40	1.70	0.04	1.13	0.08		72.98	0.40
Q	8.46	2.88	0.04	2.79	3.10	4.50	1.75	0.05	1.15	0.08		72.95	0.40
Q	8.44	2.88	0.05	2.77	3.10	4.50	1.76	0.05	1.16	0.08		73.08	0.40
Q	8.50	2.92	0.04	2.79	3.14	4.40	1.75	0.05	1.19	0.08		73.38	0.42
Q	8.51	2.85	0.04	2.74	3.11	4.20	1.71	0.04	1.15	0.08		73.22	0.41
Q	8.53	2.91	0.04	2.79	3.11	4.40	1.76	0.05	1.18	0.08		73.30	0.39
Q	8.51	2.90	0.04	2.77	3.13	4.40	1.76	0.05	1.18	0.08		73.27	0.40
Q	8.49	2.89	0.04	2.75	3.09	4.20	1.73	0.05	1.19	0.08		73.22	0.40
R	8.56	2.83	0.05	2.65	3.10	4.57	1.88	0.04	0.94	0.08	0.64	74.06	0.43
R	8.46	2.80	0.05	2.62	3.10	4.64	1.86	0.04	0.92	0.08	0.63	73.30	0.42
R	8.49	2.83	0.04	2.60	3.10	4.57	1.84	0.04	0.95	0.08	0.63	73.34	0.42
R	8.48	2.81	0.04	2.62	3.07	4.53	1.85	0.04	0.93	0.08	0.65	73.49	0.42
R	8.53	2.80	0.04	2.65	3.12	4.50	1.86	0.04	0.97	0.09	0.64	73.62	0.42
R	8.55	2.83	0.04	2.65	3.11	4.58	1.87	0.04	0.95	0.08	0.63	73.92	0.42
R	8.55	2.83	0.04	2.62	3.11	4.70	1.86	0.04	0.95	0.08	0.64	73.99	0.42
R	8.52	2.83	0.04	2.63	3.11	4.72	1.84	0.04	0.94	0.09	0.63	73.68	0.42

Availability: This product is available in Laboratory Packs containing 1kg of material or in Explorer Packs containing client specified weights of material from 50g up to 250g. Laboratory Packs are sealed bottles delivered in sealed foil pouches. Explorer Packs contain material in standard geochem envelopes placed into foil pouches that are nitrogen flushed and vacuum sealed.

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9 March 2009

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Mike McWha
BSc (Hons), FGSSA, MSAIMM, Pr.Sci.Nat



Geochemist: _____

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