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To: COUREUR DES BOIS  
3 RYDER PLACE  
WHITEHORSE YT Y1A 5T5

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Finalized Date: 19-OCT-2012  
This copy reported on  
31-JUL-2013  
Account: COUDES

**CERTIFICATE WH12235059**

Project: AB  
P.O. No.:  
This report is for 52 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4-OCT-2012.

The following have access to data associated with this certificate:

DANIELE HEON

D. JACOB

R. STROSHEIN

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION
ME-MS41L	51 anal. aqua regia ICPMS

To: COUREUR DES BOIS  
ATTN: DANIELE HEON  
3 RYDER PLACE  
WHITEHORSE YT Y1A 5T5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: COUREUR DES BOIS  
3 RYDER PLACE  
WHITEHORSE YT Y1A 5T5

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Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12235059**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-MS41L Au ppm	ME-MS41L Ag ppm	ME-MS41L Al %	ME-MS41L As ppm	ME-MS41L B ppm	ME-MS41L Ba ppm	ME-MS41L Be ppm	ME-MS41L Bi ppm	ME-MS41L Ca %	ME-MS41L Cd ppm	ME-MS41L Ce ppm	ME-MS41L Co ppm	ME-MS41L Cr ppm	ME-MS41L Cs ppm
		0.02	0.0002	0.002	0.01	0.02	10	0.5	0.05	0.01	0.01	0.01	0.02	0.1	0.5	0.05
AB 57 A		0.58	0.0037	0.082	1.11	23.8	<10	109.5	1.57	0.55	0.29	0.58	41.9	8.9	21.2	12.60
AB 57 B		0.62	0.0031	0.176	1.23	29.3	<10	90.8	2.14	0.45	0.15	0.46	49.5	12.2	25.2	18.55
AB 57 C		0.68	0.0021	0.065	1.80	7.53	<10	111.0	1.53	0.37	0.16	0.11	31.7	14.4	27.9	12.25
AB 57 D		0.34	0.0012	0.111	1.26	3.22	<10	55.4	0.59	0.18	0.07	0.05	12.60	2.7	13.3	2.93
AB 57 E		0.39	0.0015	0.036	2.38	8.66	<10	119.5	0.98	0.27	0.13	0.15	56.6	14.2	31.7	5.85
AB 57 F		0.47	0.0012	0.038	1.43	5.20	<10	69.7	0.34	0.15	0.14	0.14	22.7	6.5	17.3	1.99
AB 57 G		0.35	0.0048	0.049	2.51	9.23	<10	115.5	0.92	0.27	0.11	0.14	59.3	14.0	34.4	6.06
AB 58 A		0.82	0.0013	0.067	2.27	9.11	<10	107.5	0.66	0.30	0.15	0.29	29.0	10.0	32.5	2.86
AB 58 B		0.77	0.0019	0.045	2.44	10.05	<10	148.0	0.58	0.30	0.17	0.35	31.9	12.2	33.5	2.61
AB 58 C		0.82	0.0013	0.041	2.23	10.70	<10	124.0	1.09	0.58	0.20	0.40	50.7	15.4	34.3	4.00
AB 58 D		0.71	0.0009	0.090	1.96	11.95	<10	131.0	2.24	0.88	0.22	1.14	112.5	13.4	31.1	7.71
AB 59 A		0.74	0.0031	0.021	2.03	8.51	<10	86.1	0.55	0.30	0.20	0.21	26.2	8.9	33.5	1.90
AB 59 B		1.04	0.0043	0.080	1.84	8.06	<10	169.5	0.53	0.28	0.36	0.21	34.9	9.9	38.9	3.79
AB 59 C		0.82	0.0059	0.048	1.93	8.15	<10	139.0	0.58	0.28	0.25	0.30	33.7	12.2	33.9	3.17
AB 59 D		0.72	0.0014	0.040	2.49	9.91	<10	188.5	0.77	0.46	0.19	0.44	45.0	15.1	40.1	4.70
AB 59 E	Not Recvd	1.01	0.0036	0.100	1.89	6.86	<10	184.0	0.58	0.25	0.43	0.38	44.1	12.7	40.6	4.22
AB 60 A	Not Recvd															
AB 60 B		0.76	0.0027	0.022	2.40	7.67	<10	169.5	0.69	0.25	0.29	0.26	33.1	9.9	41.4	3.40
AB 60 C		0.83	0.0019	0.062	2.23	6.74	<10	217	0.75	0.32	0.36	0.63	45.7	18.7	44.8	7.05
AB 60 D																
AB 60 E		0.72	0.0011	0.053	2.75	6.25	<10	185.5	1.03	0.39	0.26	0.48	45.7	17.5	59.4	10.15
AB 60 F		0.81	0.0012	0.089	2.08	9.32	<10	193.5	1.18	0.43	0.27	0.55	69.8	15.9	36.2	5.84
AB 60 G	Not Recvd															
AB 60 H	Not Recvd															
AB 60 I	Not Recvd															
AB 61 A		0.88	0.0010	0.058	2.18	7.73	<10	182.5	0.59	0.24	0.33	0.33	41.8	10.8	39.3	3.52
AB 61 B		0.91	0.0020	0.103	1.93	6.98	<10	192.5	0.49	0.27	0.44	0.26	34.8	12.2	40.6	4.07
AB 61 C		0.69	0.0017	0.053	2.39	8.11	<10	170.5	0.85	0.51	0.23	0.22	44.2	14.9	41.0	5.37
AB 61 D		0.63	0.0016	0.047	2.55	8.05	<10	96.7	0.91	0.30	0.19	0.17	23.4	11.0	36.3	5.29
AB 61 E		0.77	0.0010	0.036	1.67	6.49	<10	78.9	0.66	0.35	0.18	0.46	32.2	10.8	31.6	5.58
AB 61 F		0.90	0.0021	0.042	1.98	6.28	<10	134.0	0.75	0.32	0.35	0.44	38.3	17.3	39.3	3.81
AB 61 G	Not Recvd															
AB 61 H	Not Recvd															
AB 61 I	Not Recvd															
AB 62 A		0.87	0.0018	0.022	2.01	7.04	<10	202	0.98	0.34	0.34	0.14	56.7	9.7	35.8	5.05
AB B 62		0.88	0.0034	0.039	1.99	8.58	<10	282	0.75	0.24	0.25	0.26	43.5	11.3	34.3	1.36
AB C 62		0.71	0.0032	0.037	2.45	9.18	<10	112.0	0.55	0.19	0.21	0.23	25.9	12.9	33.3	1.40
AB D 62		0.83	0.0113	0.053	1.91	5.47	<10	81.1	0.55	0.19	0.20	0.18	35.5	8.2	30.4	3.26
AB E 62		0.84	0.0010	0.046	1.95	8.70	<10	81.8	0.67	0.21	0.22	0.35	26.8	9.6	32.0	2.25
AB F 62		0.74	0.0009	0.056	2.03	8.53	<10	85.9	0.92	0.45	0.19	0.26	27.4	10.6	29.9	4.47



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**CERTIFICATE OF ANALYSIS WH12235059**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
AB 57 A		17.35	2.77	3.63	0.08	0.12	0.021	0.022	0.16	20.1	21.9	0.34	407	0.68	0.01	0.69
AB 57 B		23.9	3.17	3.93	0.07	0.04	0.031	0.034	0.13	24.4	24.8	0.31	259	0.45	<0.01	0.98
AB 57 C		22.8	3.75	4.91	0.05	0.02	0.020	0.025	0.12	15.9	26.2	0.43	401	0.65	<0.01	1.24
AB 57 D		25.6	1.51	4.65	<0.05	<0.02	0.043	0.016	0.03	5.8	7.8	0.10	73	0.81	0.01	0.63
AB 57 E		23.4	3.50	7.34	0.06	0.06	0.027	0.029	0.18	20.1	45.4	0.54	358	0.96	0.01	2.39
AB 57 F		22.3	2.08	4.99	<0.05	<0.02	0.027	0.016	0.07	10.3	13.2	0.30	189	0.76	0.02	1.06
AB 57 G		26.8	3.80	7.63	0.06	0.02	0.045	0.032	0.26	25.5	38.0	0.61	339	0.95	0.01	2.23
AB 58 A		20.0	3.21	7.18	<0.05	0.04	0.049	0.028	0.09	12.1	28.1	0.44	446	1.25	0.01	1.94
AB 58 B		23.6	3.20	7.94	0.05	0.04	0.045	0.027	0.08	14.0	25.3	0.51	400	1.36	0.01	1.74
AB 58 C		24.6	3.23	6.53	0.07	0.05	0.023	0.032	0.16	19.3	36.1	0.56	704	1.12	0.01	2.09
AB 58 D		23.3	3.32	5.99	0.09	0.03	0.035	0.035	0.14	36.2	29.2	0.49	791	1.29	0.01	1.40
AB 59 A		21.6	2.89	6.84	0.05	0.05	0.028	0.028	0.10	13.2	24.7	0.59	298	0.96	0.01	1.85
AB 59 B		25.9	3.07	6.03	0.09	0.06	0.025	0.027	0.24	20.0	29.6	0.58	431	0.75	0.01	1.30
AB 59 C		25.2	2.99	5.79	0.08	0.07	0.036	0.023	0.13	15.0	26.0	0.59	489	0.94	0.01	1.75
AB 59 D		25.5	3.68	8.50	0.06	0.03	0.072	0.037	0.17	16.9	36.1	0.63	622	1.28	0.01	2.28
AB 59 E																
AB 60 A		32.1	3.31	6.34	0.10	0.17	0.022	0.030	0.28	20.5	30.5	0.62	332	0.92	0.02	1.29
AB 60 B																
AB 60 C		33.6	3.08	6.69	0.06	0.11	0.017	0.030	0.18	14.9	28.6	0.70	334	0.72	0.01	1.67
AB 60 D		32.1	3.44	7.75	0.09	0.04	0.019	0.033	0.39	22.2	45.3	0.81	624	1.83	0.02	1.91
AB 60 E		28.6	3.79	9.64	0.07	0.02	0.049	0.038	0.34	17.6	55.6	0.92	721	1.41	0.02	1.99
AB 60 F		28.5	3.29	7.01	0.09	0.05	0.018	0.033	0.22	30.1	39.4	0.61	794	0.95	0.01	2.13
AB 60 G																
AB 60 H																
AB 60 I																
AB 61 A		25.5	3.21	6.87	0.08	0.06	0.027	0.030	0.14	20.5	27.8	0.59	247	0.70	0.01	1.86
AB 61 B		30.8	3.30	6.30	0.09	0.14	0.024	0.029	0.23	17.9	31.4	0.67	419	1.00	0.02	1.41
AB 61 C		34.1	3.31	7.83	0.07	0.03	0.032	0.032	0.15	21.8	32.2	0.67	564	1.41	0.01	1.45
AB 61 D		21.5	3.19	7.00	<0.05	0.05	0.049	0.029	0.07	10.8	27.6	0.52	364	1.07	0.01	1.58
AB 61 E		18.35	3.07	6.74	0.06	0.03	0.039	0.023	0.16	16.1	28.3	0.46	629	1.00	0.01	2.17
AB 61 F		23.2	3.10	6.38	0.07	0.06	0.019	0.029	0.20	15.6	39.5	0.66	848	1.12	0.01	2.17
AB 61 G																
AB 61 H																
AB 61 I																
AB 62 A		26.3	3.21	6.36	0.10	0.09	0.036	0.028	0.11	34.7	26.0	0.54	414	1.03	0.01	1.41
AB B 62		25.0	2.97	5.29	0.05	0.09	0.023	0.024	0.07	18.3	14.0	0.62	498	0.79	0.01	1.23
AB C 62		21.6	3.07	5.74	0.05	0.11	0.027	0.027	0.08	11.4	19.9	0.60	361	0.83	0.01	1.79
AB D 62		18.45	2.75	5.92	0.06	0.03	0.139	0.027	0.18	17.1	24.5	0.50	311	0.74	0.01	2.03
AB E 62		17.80	2.85	6.39	0.06	0.06	0.045	0.029	0.11	13.1	23.5	0.55	405	1.00	0.01	1.94
AB F 62		19.80	2.83	6.35	0.05	0.03	0.058	0.026	0.11	12.1	36.0	0.45	502	1.06	0.01	1.70



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**CERTIFICATE OF ANALYSIS WH12235059**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.001	0.01	0.1	0.001	0.01	0.005	0.1	0.1	0.2	0.2	0.01	0.01	0.1	0.001
AB 57 A		17.1	0.065	38.8	32.6	<0.001	0.01	0.909	4.1	0.7	0.7	18.0	<0.01	0.02	8.4	0.072
AB 57 B		20.6	0.043	49.9	33.5	<0.001	0.01	0.899	7.1	1.0	0.9	13.7	<0.01	0.03	7.9	0.039
AB 57 C		22.4	0.058	14.50	32.3	<0.001	0.02	0.321	3.9	0.8	0.8	12.5	<0.01	0.02	2.7	0.054
AB 57 D		7.3	0.046	6.31	6.6	<0.001	0.05	0.226	1.0	0.3	0.5	10.8	<0.01	0.03	0.1	0.049
AB 57 E		25.1	0.037	13.55	33.5	<0.001	0.02	0.377	4.3	0.7	0.8	13.6	0.01	0.03	7.2	0.106
AB 57 F		12.7	0.047	22.1	11.9	<0.001	0.02	0.284	2.0	0.6	0.5	12.2	0.01	0.03	1.0	0.076
AB 57 G		27.2	0.038	12.60	42.1	<0.001	0.03	0.414	4.4	0.7	0.9	11.1	0.01	0.03	4.9	0.109
AB 58 A		20.9	0.049	19.55	17.4	<0.001	0.04	0.443	3.6	0.6	0.9	14.0	0.01	0.04	2.3	0.114
AB 58 B		24.6	0.041	15.50	18.1	<0.001	0.03	0.598	4.3	0.5	1.0	17.2	0.01	0.03	2.1	0.119
AB 58 C		30.1	0.064	55.5	29.2	<0.001	0.03	0.460	4.7	0.5	1.0	16.1	0.01	0.03	5.0	0.126
AB 58 D		30.8	0.072	117.0	26.4	<0.001	0.04	0.539	5.1	1.1	0.9	15.5	<0.01	0.03	8.1	0.092
AB 59 A		22.4	0.042	11.35	16.7	<0.001	0.02	0.428	4.3	0.5	0.9	14.6	<0.01	0.02	2.7	0.123
AB 59 B		23.4	0.064	82.9	33.4	<0.001	0.01	0.372	6.7	0.7	0.9	25.8	<0.01	0.02	4.8	0.146
AB 59 C		29.8	0.058	15.30	23.5	<0.001	0.02	0.458	4.4	0.5	0.8	16.9	<0.01	0.01	3.7	0.130
AB 59 D		32.7	0.056	30.1	33.3	<0.001	0.04	0.480	4.5	0.4	1.1	16.3	<0.01	0.04	2.8	0.150
AB 59 E																
AB 60 A		25.6	0.079	13.35	37.7	<0.001	0.02	0.423	7.3	1.0	1.2	29.2	<0.01	0.02	5.7	0.156
AB 60 B																
AB 60 C		31.1	0.063	46.2	29.3	<0.001	0.02	0.422	5.7	0.6	0.8	19.7	<0.01	0.03	4.7	0.142
AB 60 D		35.4	0.094	94.1	56.3	<0.001	0.06	0.271	6.9	0.8	1.1	24.6	<0.01	0.02	4.4	0.177
AB 60 E		35.8	0.086	58.1	66.9	<0.001	0.08	0.299	6.0	0.8	1.5	20.3	<0.01	0.04	2.1	0.171
AB 60 F		32.9	0.072	33.5	39.0	<0.001	0.02	0.415	6.0	1.0	1.3	18.9	<0.01	0.03	7.1	0.131
AB 60 G																
AB 60 H																
AB 60 I																
AB 61 A		22.6	0.070	45.2	26.5	<0.001	0.01	0.425	6.6	0.6	1.2	24.6	<0.01	0.02	4.5	0.147
AB 61 B		24.6	0.086	17.00	35.8	<0.001	0.04	0.434	7.0	0.8	1.1	31.2	<0.01	0.02	5.3	0.148
AB 61 C		27.5	0.076	19.40	29.6	<0.001	0.03	0.465	5.9	0.9	1.1	20.0	<0.01	0.03	2.5	0.125
AB 61 D		23.0	0.054	10.60	17.6	<0.001	0.04	0.469	4.3	0.6	1.0	15.2	0.01	0.02	2.1	0.108
AB 61 E		20.4	0.051	38.2	29.5	<0.001	0.03	0.335	3.4	0.5	1.2	13.7	<0.01	0.03	3.2	0.130
AB 61 F		29.7	0.106	16.60	32.3	<0.001	0.04	0.387	5.0	0.5	1.1	18.9	<0.01	0.02	4.8	0.142
AB 61 G																
AB 61 H																
AB 61 I																
AB 62 A		22.2	0.070	21.0	25.3	0.001	0.01	0.421	7.3	1.1	1.2	28.5	<0.01	0.03	7.1	0.122
AB B 62		26.8	0.039	11.60	10.9	<0.001	0.02	0.496	5.1	0.6	0.8	20.1	<0.01	0.02	3.9	0.112
AB C 62		27.0	0.039	9.81	11.7	<0.001	0.02	0.497	4.4	0.6	0.7	16.0	0.01	0.03	3.6	0.116
AB D 62		20.2	0.061	12.10	27.5	<0.001	0.04	0.326	3.2	0.6	1.0	13.8	<0.01	0.01	2.5	0.114
AB E 62		20.4	0.063	10.50	18.0	<0.001	0.03	0.384	3.8	0.4	0.9	15.0	0.01	0.02	2.7	0.121
AB F 62		20.5	0.073	17.65	22.6	<0.001	0.05	0.414	2.8	0.5	1.4	13.8	<0.01	0.02	1.3	0.099



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Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ti	U	V	W	Y	Zn	Zr
		ppm 0.02	ppm 0.05	ppm 1	ppm 0.01	ppm 0.05	ppm 0.1	ppm 0.5
AB 57 A		0.41	3.05	36	0.32	14.00	144.0	6.2
AB 57 B		0.35	2.32	39	0.35	10.20	142.5	2.4
AB 57 C		0.33	1.33	47	0.19	5.81	75.5	0.7
AB 57 D		0.12	0.63	38	0.10	2.64	20.4	<0.5
AB 57 E		0.35	1.14	61	0.27	5.43	72.7	2.3
AB 57 F		0.13	0.61	45	0.15	3.27	46.4	0.6
AB 57 G		0.35	1.68	62	0.16	6.38	74.6	0.9
AB 58 A		0.19	1.22	70	0.24	4.27	70.4	1.4
AB 58 B		0.20	0.92	76	0.22	5.23	62.5	1.4
AB 58 C		0.25	2.57	67	0.39	8.53	103.5	2.1
AB 58 D		0.22	5.32	57	0.33	15.25	228	1.4
AB 59 A		0.15	0.92	66	0.29	4.97	63.3	2.0
AB 59 B		0.26	1.91	63	0.38	11.25	97.7	2.9
AB 59 C		0.23	1.69	68	0.48	6.83	82.6	2.6
AB 59 D		0.26	1.43	77	0.39	5.86	122.5	1.3
AB 59 E								
AB 60 A		0.31	2.85	67	0.34	12.95	91.9	8.8
AB 60 B								
AB 60 C		0.24	1.23	67	0.38	6.62	90.4	5.0
AB 60 D		0.42	2.81	79	0.29	11.95	174.5	1.9
AB 60 E		0.47	2.06	92	0.64	7.64	167.0	0.9
AB 60 F		0.32	4.25	62	1.12	13.10	120.5	2.4
AB 60 G								
AB 60 H								
AB 60 I								
AB 61 A		0.25	2.17	71	0.46	11.45	97.9	3.0
AB 61 B		0.30	3.87	69	0.52	12.20	93.3	6.9
AB 61 C		0.31	4.09	76	0.74	11.60	87.7	1.4
AB 61 D		0.23	1.20	72	0.30	4.79	67.7	1.5
AB 61 E		0.30	1.59	63	0.40	5.66	125.5	1.3
AB 61 F		0.25	2.18	67	0.17	7.79	107.0	2.6
AB 61 G								
AB 61 H								
AB 61 I								
AB 62 A		0.26	7.80	65	0.25	20.6	81.1	5.0
AB B 62		0.13	1.66	66	0.20	8.74	66.3	3.1
AB C 62		0.14	0.62	65	0.41	4.43	60.3	4.1
AB D 62		0.22	1.16	51	0.23	6.36	65.6	1.2
AB E 62		0.18	1.47	62	0.43	5.23	61.5	2.0
AB F 62		0.33	4.20	62	0.22	5.67	71.7	1.0



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**CERTIFICATE OF ANALYSIS WH12235059**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS41L Au ppm 0.0002	ME-MS41L Ag ppm 0.002	ME-MS41L Al % 0.01	ME-MS41L As ppm 0.02	ME-MS41L B ppm 10	ME-MS41L Ba ppm 0.5	ME-MS41L Be ppm 0.05	ME-MS41L Bi ppm 0.01	ME-MS41L Ca % 0.01	ME-MS41L Cd ppm 0.01	ME-MS41L Ce ppm 0.02	ME-MS41L Co ppm 0.1	ME-MS41L Cr ppm 0.5	ME-MS41L Cs ppm 0.05
AB G 62		0.71	0.0018	0.074	2.28	11.00	<10	183.5	0.86	0.36	0.23	0.33	38.3	12.4	35.0	5.00
AB 62 H		Not Recvd														
AB 62 I		Not Recvd														
AB A 63		0.78	0.0025	0.040	2.09	8.11	<10	162.5	0.82	0.28	0.31	0.27	97.9	12.1	34.1	4.08
AB B 63		0.73	0.0030	0.043	2.65	9.97	<10	107.0	0.52	0.19	0.19	0.31	23.4	11.4	34.9	1.57
AB C 63		0.53	0.0006	0.036	2.00	8.86	<10	90.5	0.46	0.27	0.14	0.25	27.8	6.3	30.8	2.62
AB D 63		0.84	0.0459	0.128	1.96	6.95	<10	228	0.62	0.25	0.42	0.49	51.6	10.9	40.4	3.61
AB E 63		0.84	0.0014	0.029	2.28	8.09	<10	184.5	0.65	0.23	0.29	0.25	41.0	14.2	41.2	3.20
AB F 63		0.97	0.0015	0.116	2.00	13.80	<10	211	0.78	0.27	0.30	0.30	40.6	13.2	36.5	4.43
AB G 63		0.79	0.0011	0.039	1.77	5.17	<10	163.5	0.80	0.15	0.30	0.29	44.7	11.4	27.5	5.95
AB H 63		0.94	0.0008	0.064	1.66	5.54	<10	222	0.69	0.19	0.36	0.48	43.9	10.5	24.8	4.35
AB I 63		0.72	0.0013	0.088	2.11	9.17	<10	173.5	0.95	0.23	0.28	0.38	38.4	11.7	29.1	4.31



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**CERTIFICATE OF ANALYSIS WH12235059**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01	0.05
AB G 62		22.0	3.26	7.20	0.06	0.04	0.085	0.039	0.08	19.6	30.4	0.49	685	1.12	0.01	1.80
AB 62 H																
AB 62 I																
AB A 63		29.2	3.14	6.61	0.17	0.07	0.030	0.031	0.13	62.1	32.3	0.51	709	1.17	0.01	1.67
AB B 63		17.00	3.18	6.46	0.05	0.07	0.050	0.031	0.09	11.4	22.8	0.57	311	0.99	0.01	1.91
AB C 63		16.70	3.73	10.25	0.05	0.03	0.065	0.026	0.12	14.0	22.9	0.37	286	1.53	0.01	2.64
AB D 63		31.6	3.20	6.49	0.10	0.14	0.040	0.030	0.18	24.9	35.2	0.61	300	1.21	0.02	1.71
AB E 63		29.9	3.06	6.41	0.07	0.09	0.035	0.029	0.11	17.9	32.5	0.63	542	1.01	0.01	1.87
AB F 63		29.6	3.63	6.07	0.07	0.11	0.044	0.029	0.10	20.3	28.5	0.51	384	0.49	0.01	1.88
AB G 63		20.4	2.62	5.56	0.07	0.13	0.032	0.025	0.10	18.6	32.8	0.46	598	0.53	0.01	1.60
AB H 63		21.7	2.52	5.50	0.08	0.07	0.029	0.023	0.12	20.7	35.0	0.49	780	0.58	0.02	1.73
AB I 63		26.8	2.86	6.28	0.05	0.03	0.062	0.029	0.09	17.4	31.9	0.47	807	0.86	0.02	1.54



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**CERTIFICATE OF ANALYSIS WH12235059**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.001	0.01	0.1	0.001	0.01	0.005	0.1	0.1	0.2	0.2	0.01	0.01	0.1
AB G 62		23.4	0.068	41.7	19.9	<0.001	0.04	0.501	4.4	0.7	1.5	19.1	<0.01	0.03	2.7
AB 62 H															
AB 62 I															
AB A 63		25.9	0.085	31.4	23.9	<0.001	0.02	0.375	7.0	1.6	1.1	21.5	<0.01	0.01	9.3
AB B 63		25.3	0.040	13.60	11.8	<0.001	0.03	0.451	4.2	0.7	0.8	16.5	0.02	0.02	3.2
AB C 63		15.7	0.050	17.60	17.7	<0.001	0.04	0.536	3.1	0.5	1.2	12.8	<0.01	0.04	2.5
AB D 63		27.3	0.090	26.4	29.9	<0.001	0.02	0.482	7.3	1.0	1.1	28.3	<0.01	0.01	7.1
AB E 63		28.5	0.074	13.40	21.5	<0.001	0.03	0.424	5.5	0.5	0.9	18.8	<0.01	0.02	5.0
AB F 63		24.1	0.070	26.2	23.3	0.001	0.02	0.598	7.0	1.1	1.3	21.2	<0.01	0.02	5.4
AB G 63		21.9	0.077	21.1	24.0	<0.001	0.02	0.331	3.9	0.8	1.2	18.0	<0.01	<0.01	6.1
AB H 63		21.1	0.101	19.55	28.7	<0.001	0.02	0.394	4.2	0.8	1.6	20.7	<0.01	<0.01	5.0
AB I 63		24.5	0.093	22.8	20.9	<0.001	0.05	0.477	4.1	1.1	1.4	19.5	<0.01	0.04	2.5





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**CERTIFICATE OF ANALYSIS WH12235059**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ti	U	V	W	Y	Zn	Zr
		ppm 0.02	ppm 0.05	ppm 1	ppm 0.01	ppm 0.05	ppm 0.1	ppm 0.5
AB G 62		0.37	6.19	71	0.37	8.19	99.8	1.7
AB 62 H								
AB 62 I								
AB A 63		0.26	7.72	65	0.34	25.0	88.9	3.5
AB B 63		0.13	0.67	71	0.26	3.96	62.1	2.8
AB C 63		0.19	0.97	82	0.44	3.43	54.7	1.2
AB D 63		0.28	4.73	69	0.22	13.60	101.0	7.1
AB E 63		0.23	2.69	70	0.25	8.42	74.3	3.6
AB F 63		0.37	10.25	68	0.19	13.80	84.7	5.8
AB G 63		0.31	7.63	63	0.18	9.03	81.0	6.7
AB H 63		0.32	16.25	59	0.23	12.05	83.0	3.9
AB I 63		0.28	9.16	61	0.19	9.78	99.1	1.7



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**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method:

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).  
ME-MS41L