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To: **AURORA GEOSCIENCES LTD.**  
**3506 MCDONALD DRIVE**  
**YELLOWKNIFE NT X1A 2H1**

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Plus Appendix Pages  
Finalized Date: 10-NOV-2018  
Account: AURGEO

**CERTIFICATE WH18246800**

Project: CARLINCORE  
P.O. No.: CCR-18072-NT  
This report is for 59 Rock samples submitted to our lab in Whitehorse, YT, Canada on 2-OCT-2018.

The following have access to data associated with this certificate:

MORGAN LI

DAVE WHITE

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
WSH-22	"Wash" pulverizers
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS

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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**CERTIFICATE OF ANALYSIS WH18246800**

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
V999551		0.34	0.01	2.00	11.2	120	0.72	0.12	16.45	0.32	23.5	8.5	20	1.67	23.7	5.37
V999552		0.31	0.02	3.02	2.0	180	1.19	0.16	13.60	0.25	35.6	5.5	23	2.96	16.7	5.86
V999553		0.45	0.03	8.15	3.9	250	1.31	0.24	1.64	0.95	51.8	25.2	105	3.67	170.5	6.86
V999554		0.34	0.02	6.82	2.4	250	0.97	0.18	5.38	0.36	37.4	14.2	85	2.70	123.5	5.17
V999555		0.32	0.03	9.92	5.1	560	2.81	0.18	0.24	0.08	81.3	15.0	88	11.70	55.8	6.14
V999556		0.22	0.08	6.62	7.6	370	1.67	0.32	1.26	0.12	69.5	16.1	68	5.86	53.1	4.72
V999557		0.26	0.03	2.57	5.0	230	1.21	0.14	15.40	0.05	34.5	8.3	21	2.46	18.2	6.14
V999558		0.54	0.01	1.05	3.1	80	0.36	0.05	31.8	0.03	21.0	3.1	9	0.62	7.6	1.79
V999559		0.42	0.03	2.17	2.7	130	0.73	0.09	26.8	0.04	24.5	8.1	22	2.20	17.1	1.79
V999560		0.24	0.04	5.36	6.7	240	1.02	0.30	0.54	0.08	53.7	15.9	55	3.37	41.5	5.18
V999561		0.31	0.06	7.97	3.9	410	1.93	0.38	0.34	0.11	81.9	20.7	80	6.94	55.7	5.83
V999562		0.30	0.11	2.37	6.9	110	0.55	0.11	0.06	0.03	30.0	3.8	25	1.53	45.7	2.95
V999563		0.29	0.05	6.56	5.1	310	1.54	0.24	1.17	0.06	64.2	13.0	68	4.60	50.0	4.92
V999564		0.28	0.04	6.48	2.0	390	1.47	0.18	4.32	0.10	65.3	12.8	67	4.99	52.7	3.93
V999565		0.22	0.08	7.65	5.7	470	2.34	0.21	1.31	0.17	80.8	12.9	78	6.29	57.6	4.59
V999566		0.28	0.05	6.74	3.8	350	1.59	0.21	2.96	0.04	64.6	17.0	70	4.34	54.2	5.26
V999567		0.23	0.08	6.83	4.5	100	1.02	0.18	3.46	0.19	41.8	35.7	69	3.22	139.5	7.76
V999568		0.26	0.08	6.89	3.7	960	1.01	0.16	4.79	0.28	43.0	31.4	78	3.06	160.0	7.37
V999569		0.30	0.12	5.43	20.4	190	1.29	0.31	1.98	0.28	45.6	24.6	36	5.51	54.1	5.53
V999570		0.23	0.05	6.79	3.3	380	1.74	0.26	0.43	0.07	63.8	24.3	73	8.05	96.7	5.92
V999571		0.26	0.10	7.87	13.0	110	1.84	0.32	1.62	0.58	63.5	41.4	73	7.09	156.0	8.25
V999572		0.20	0.11	6.76	3.7	100	0.92	0.22	2.98	0.53	46.5	37.1	62	3.49	178.0	7.91
V999573		0.33	0.08	7.63	3.1	320	1.45	0.27	0.97	0.27	54.2	39.4	73	5.26	192.5	8.87
V999574		0.28	0.10	7.30	4.1	320	1.44	0.27	0.96	0.25	51.6	34.4	71	4.14	178.5	8.07
V999575		0.25	0.04	5.86	3.8	220	1.39	0.16	6.86	0.26	44.3	25.8	58	3.58	124.5	6.54
V999576		Listed, NR														
V999577		Listed, NR														
V999578		Listed, NR														
V999579		0.22	0.01	1.54	1.1	90	0.80	0.07	15.35	0.17	23.0	7.0	12	1.68	11.2	4.43
V999580		0.33	0.01	0.56	1.4	240	0.29	0.03	34.8	0.10	18.20	3.2	7	0.47	6.7	0.75
V999581		Listed, NR														
V999582		0.33	0.04	1.84	2.2	180	0.90	0.09	29.7	0.19	37.7	7.2	19	2.58	19.8	1.99
V999583		Listed, NR														
V999584		0.28	0.02	1.24	1.8	160	0.47	0.06	29.9	0.09	28.3	4.8	12	1.41	10.4	1.47
V999585		Listed, NR														
V999586		0.22	0.01	0.40	0.3	130	0.16	0.03	35.8	0.04	9.44	2.0	4	0.42	4.3	0.42
V999587		Listed, NR														
V999588		0.44	0.01	0.28	1.0	40	0.12	0.02	34.1	<0.02	4.00	1.7	3	0.16	3.4	0.79
V999589		Listed, NR														
V999590		0.27	0.01	1.44	0.8	110	0.38	0.08	32.3	0.04	28.6	5.7	12	1.06	9.8	1.06



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		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
V999551		5.84	0.06	1.0	0.041	0.81	10.5	5.3	7.96	2500	0.18	0.33	3.5	17.1	530	1.6
V999552		9.48	0.08	1.4	0.055	1.20	16.9	15.9	6.46	2220	0.27	0.27	4.8	14.4	1260	3.4
V999553		20.1	0.13	2.1	0.141	1.47	23.8	73.3	2.44	457	0.74	2.25	10.7	89.0	780	4.9
V999554		13.65	0.10	1.7	0.089	1.25	17.0	25.8	2.61	766	0.24	2.75	8.3	39.4	590	2.8
V999555		28.7	0.16	4.1	0.104	3.48	34.9	61.5	1.68	244	0.22	0.64	12.7	43.9	650	11.3
V999556		18.50	0.14	3.0	0.070	2.18	33.5	54.7	1.81	412	0.30	0.59	9.6	36.8	480	18.0
V999557		7.64	0.10	1.1	0.038	1.29	19.7	7.8	5.19	3320	0.61	0.12	3.1	14.1	270	10.9
V999558		2.27	0.07	0.4	0.012	0.27	10.6	5.0	0.49	1630	0.18	0.37	1.2	4.8	140	3.1
V999559		6.10	0.07	0.8	0.023	0.83	11.6	13.8	0.70	531	0.10	0.10	2.5	14.2	230	7.9
V999560		14.70	0.08	2.4	0.047	1.45	25.4	57.3	1.30	223	0.20	0.28	7.0	39.2	410	31.9
V999561		22.2	0.15	3.8	0.077	2.63	38.5	68.8	1.62	334	0.18	0.45	11.6	45.1	600	25.5
V999562		7.15	0.06	1.2	0.035	0.56	15.4	33.3	0.53	75	0.40	0.07	2.7	14.1	70	19.9
V999563		18.05	0.12	3.0	0.065	2.10	30.7	54.8	1.54	495	0.18	0.61	9.5	35.4	450	18.6
V999564		18.55	0.12	3.3	0.071	2.46	32.2	32.9	2.22	808	0.44	0.85	10.8	29.8	570	13.2
V999565		22.5	0.15	3.5	0.081	2.88	39.2	53.2	1.66	282	0.17	0.71	11.7	39.1	560	17.3
V999566		18.85	0.14	3.2	0.067	2.20	31.0	54.7	2.56	767	0.11	0.86	11.4	39.9	530	14.7
V999567		19.15	0.10	2.4	0.087	1.04	19.4	47.6	3.52	664	0.25	1.39	10.4	64.1	610	8.5
V999568		18.50	0.10	1.8	0.091	0.97	19.7	46.3	3.37	995	0.33	1.72	9.8	57.8	560	11.0
V999569		15.20	0.10	2.8	0.063	1.85	20.3	29.3	1.80	473	0.94	0.13	8.9	41.3	410	24.7
V999570		18.95	0.13	3.5	0.081	2.15	27.2	26.6	1.26	171	0.32	0.62	16.6	49.4	440	6.4
V999571		23.7	0.15	2.8	0.132	2.02	26.7	41.3	2.65	646	0.57	0.88	19.8	61.1	710	13.1
V999572		19.05	0.12	2.1	0.104	1.06	21.9	40.9	2.92	845	0.34	1.39	13.2	59.7	570	11.1
V999573		23.4	0.13	2.1	0.131	1.46	23.9	52.7	3.28	491	0.32	1.12	17.5	63.3	760	9.5
V999574		22.3	0.19	2.9	0.122	1.29	23.6	54.5	2.93	424	0.27	1.01	16.6	64.5	760	9.1
V999575		17.20	0.17	2.5	0.073	1.25	20.3	50.7	3.21	1060	0.17	0.74	9.1	46.8	470	4.8
V999576																
V999577																
V999578																
V999579		4.80	0.07	0.9	0.022	0.68	10.9	6.0	6.59	1340	0.11	0.03	2.8	12.6	190	2.1
V999580		1.43	0.08	0.5	0.006	0.15	8.5	4.4	0.25	676	0.27	0.08	0.9	4.3	4990	2.0
V999581																
V999582		5.06	0.10	0.9	0.023	0.60	17.5	13.0	0.51	917	0.61	0.10	2.9	12.1	1150	5.7
V999583																
V999584		3.26	0.09	1.0	0.013	0.34	13.4	10.9	0.38	464	0.20	0.23	2.5	6.5	250	4.1
V999585																
V999586		1.07	0.08	0.2	<0.005	0.11	4.3	3.3	0.31	334	0.10	0.08	0.6	1.7	220	1.6
V999587																
V999588		0.70	0.08	0.2	<0.005	0.05	2.0	1.6	1.26	153	0.14	0.10	0.5	1.0	260	1.3
V999589																
V999590		3.33	0.10	0.7	0.016	0.33	15.3	10.0	0.30	428	0.13	0.43	2.0	7.6	200	5.1



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V999551		37.6	0.002	0.03	0.30	8.7	1	0.7	602	0.22	0.09	2.76	0.150	0.21	0.6	52
V999552		57.5	0.003	0.08	0.22	11.8	1	1.1	386	0.31	0.07	4.18	0.174	0.30	1.0	66
V999553		64.6	0.003	0.07	0.28	31.1	1	2.0	72.3	0.64	0.18	5.46	0.827	0.47	1.1	268
V999554		56.2	0.003	0.19	0.21	27.3	1	1.4	169.5	0.51	0.13	3.94	0.700	0.34	0.8	196
V999555		129.5	<0.002	<0.01	0.31	25.9	<1	3.3	37.0	0.94	<0.05	12.85	0.532	0.79	2.5	174
V999556		102.0	<0.002	0.13	0.46	18.2	<1	2.2	67.5	0.67	0.06	10.35	0.460	0.53	1.9	137
V999557		62.8	0.003	0.30	0.74	8.3	1	0.9	567	0.23	<0.05	3.75	0.128	0.30	1.1	44
V999558		12.6	<0.002	0.12	0.27	3.7	<1	0.3	1225	0.09	<0.05	1.44	0.048	0.06	0.9	14
V999559		38.9	<0.002	<0.01	0.52	6.8	<1	0.7	651	0.18	<0.05	2.81	0.110	0.19	1.4	38
V999560		69.1	<0.002	0.01	0.44	10.4	<1	1.4	38.1	0.50	0.11	7.36	0.340	0.34	1.4	97
V999561		125.5	<0.002	0.03	0.40	19.7	1	2.5	39.0	0.84	0.11	12.30	0.525	0.62	2.4	148
V999562		26.8	<0.002	0.04	1.04	5.4	1	0.6	11.5	0.19	<0.05	3.21	0.117	0.13	0.7	41
V999563		98.8	<0.002	0.01	0.33	17.0	<1	2.2	38.7	0.69	0.05	10.25	0.476	0.48	1.8	140
V999564		115.0	<0.002	0.01	0.29	17.1	<1	2.0	117.0	0.75	<0.05	10.00	0.508	0.56	1.9	140
V999565		137.0	0.002	0.01	0.55	20.4	<1	2.5	46.4	0.82	0.06	11.60	0.533	0.67	2.1	153
V999566		103.0	<0.002	0.07	0.38	17.9	<1	2.1	118.0	0.78	0.06	9.81	0.520	0.51	1.7	140
V999567		44.8	<0.002	0.33	0.36	28.0	1	1.8	33.4	0.68	0.17	4.22	0.748	0.27	1.0	240
V999568		43.8	<0.002	0.11	0.36	28.7	1	1.8	91.3	0.63	0.12	3.94	0.786	0.26	1.0	221
V999569		73.9	<0.002	0.14	0.95	11.0	1	1.9	18.2	0.61	0.07	7.47	0.324	0.42	1.7	89
V999570		91.0	0.002	0.05	0.40	18.2	1	2.1	28.8	1.04	0.26	7.47	0.639	0.55	1.7	176
V999571		85.6	0.002	0.67	0.61	29.3	1	2.9	22.3	1.20	0.37	6.59	0.745	0.60	1.4	239
V999572		47.9	<0.002	0.21	0.36	26.4	1	2.0	46.1	0.84	0.26	4.24	0.693	0.34	1.1	198
V999573		60.8	<0.002	0.10	0.35	31.2	1	2.5	31.7	1.01	0.35	4.86	0.806	0.41	1.1	262
V999574		54.9	<0.002	0.02	0.38	29.4	1	2.3	30.9	1.07	0.37	4.87	0.765	0.33	1.2	252
V999575		57.5	<0.002	0.15	0.28	24.6	1	1.7	186.5	0.62	0.13	4.67	0.590	0.28	1.1	202
V999576																
V999577																
V999578																
V999579		30.9	<0.002	0.03	0.18	4.6	1	0.5	207	0.21	<0.05	2.48	0.102	0.14	0.5	35
V999580		7.3	0.002	0.08	0.14	6.9	1	0.2	4540	0.07	<0.05	0.94	0.034	0.05	2.5	14
V999581																
V999582		31.3	<0.002	0.27	0.27	7.1	1	0.6	1690	0.20	<0.05	2.96	0.121	0.16	1.9	37
V999583																
V999584		18.3	<0.002	0.29	0.25	4.0	1	0.4	2760	0.18	<0.05	2.61	0.092	0.11	1.7	20
V999585																
V999586		5.8	<0.002	0.09	0.14	1.6	1	<0.2	2390	<0.05	<0.05	0.72	0.020	0.06	2.2	7
V999587																
V999588		2.7	<0.002	0.15	0.11	0.8	1	<0.2	754	<0.05	<0.05	0.47	0.017	0.04	1.0	5
V999589																
V999590		17.5	<0.002	0.01	0.20	4.1	1	0.4	1750	0.15	<0.05	2.49	0.073	0.09	2.3	22



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		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
V999551		1.5	16.1	38	36.0
V999552		0.7	22.5	50	52.4
V999553		1.6	21.6	150	72.5
V999554		1.4	17.0	83	56.9
V999555		1.5	26.5	110	138.5
V999556		1.2	18.0	91	103.5
V999557		0.6	21.4	36	37.9
V999558		0.2	14.9	16	13.9
V999559		0.3	8.3	26	26.7
V999560		0.9	12.9	121	77.5
V999561		1.4	24.3	116	131.0
V999562		0.5	8.0	56	39.2
V999563		1.1	18.0	84	100.0
V999564		1.1	19.5	75	113.5
V999565		1.2	22.7	88	120.0
V999566		1.2	18.6	85	104.5
V999567		0.7	22.6	116	78.3
V999568		0.7	22.9	99	66.6
V999569		0.9	18.6	95	92.8
V999570		1.1	22.6	94	119.0
V999571		1.0	26.8	114	101.0
V999572		1.2	22.2	114	80.0
V999573		0.8	26.3	120	81.4
V999574		0.7	25.8	115	107.5
V999575		0.8	22.4	91	88.0
V999576					
V999577					
V999578					
V999579		0.3	11.6	38	32.5
V999580		0.2	18.2	12	47.8
V999581					
V999582		0.4	18.9	38	34.9
V999583					
V999584		0.3	18.7	21	35.5
V999585					
V999586		0.1	12.3	7	7.9
V999587					
V999588		0.1	3.1	2	6.9
V999589					
V999590		0.3	13.8	20	24.3



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Project: CARLINCORE

**CERTIFICATE OF ANALYSIS WH18246800**

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm	ME-MS61 Fe %
V999591	Listed, NR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
V999592	0.15	<0.01	0.82	0.5	150	0.26	0.03	35.2	0.02	10.85	1.6	8	0.79	5.4	0.39	
V999593	Listed, NR	0.18	0.01	0.45	0.8	40	0.22	0.02	36.5	<0.02	15.75	2.3	6	0.41	5.5	0.31
V999594	Listed, NR	0.28	<0.01	0.16	<0.2	20	0.21	0.01	37.1	<0.02	2.63	1.4	2	0.08	2.3	0.36
V999596	Listed, NR	0.22	<0.01	0.30	<0.2	30	0.40	0.02	35.9	<0.02	5.86	1.9	4	0.11	3.7	1.08
V999597	Listed, NR	0.21	0.07	7.65	4.5	370	2.06	0.27	2.66	0.04	69.5	18.4	73	5.91	72.6	5.69
V999598	Listed, NR	0.24	<0.01	1.50	1.7	80	0.63	0.05	32.2	0.03	29.8	1.8	12	1.09	10.0	0.71
V999599	Listed, NR	0.14	0.02	7.03	6.8	390	2.39	0.20	8.04	0.07	89.2	26.0	41	3.71	29.8	5.87
V999600	Listed, NR	0.35	0.06	1.42	7.0	150	0.69	0.09	18.10	0.48	16.60	12.4	6	0.61	58.3	4.13
V999601	Listed, NR	0.91	0.02	2.89	34.7	740	0.75	0.09	13.70	2.19	24.3	17.1	25	3.14	63.4	5.56
V999602	Listed, NR	0.57	0.03	1.04	4.0	90	0.47	0.07	13.05	0.07	16.65	4.1	23	0.72	8.8	3.44
V999603	Listed, NR	0.86	0.31	2.90	5.1	170	0.92	0.14	14.10	0.26	48.3	8.2	22	2.53	19.0	3.17
V999604	Listed, NR	0.56	0.03	3.09	3.7	210	0.68	0.11	20.1	0.08	36.5	7.1	29	2.24	20.1	2.66
V999605	Listed, NR	0.89	0.05	1.63	3.9	130	0.52	0.07	16.50	0.02	17.95	4.2	10	1.11	8.6	2.24
V999606	Listed, NR															

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



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**CERTIFICATE OF ANALYSIS WH18246800**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
V999591		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
V999592		2.15	0.08	0.4	0.006	0.26	5.6	5.0	0.23	112	0.05	0.18	1.1	1.0	240	1.1
V999593																
V999594		1.32	0.12	0.2	0.010	0.18	7.1	3.5	0.21	43	0.13	0.01	0.6	2.6	520	3.2
V999595																
V999596		0.39	0.11	0.1	<0.005	0.02	1.3	1.9	0.27	149	0.10	0.01	0.2	0.4	310	0.5
V999597																
V999598		0.68	0.05	0.2	<0.005	0.04	2.6	2.4	0.34	415	0.13	0.01	0.5	1.1	260	1.2
V999599																
V999600		20.5	0.15	3.7	0.078	2.18	33.0	63.1	2.43	778	0.26	0.70	13.0	40.6	630	15.3
V999601		3.76	0.09	0.7	0.015	0.55	15.3	9.0	0.27	146	0.07	0.30	2.3	2.4	230	3.1
V999602																
V999603		19.95	0.13	2.6	0.079	2.13	44.1	73.0	3.07	3390	0.18	0.41	9.5	40.3	500	14.3
V999604		3.61	0.06	0.4	0.035	0.38	6.2	21.1	7.13	4620	2.35	0.11	2.4	21.2	210	34.4
V999502		8.63	0.08	1.5	0.049	0.47	10.7	35.7	5.53	1120	0.47	0.05	5.3	32.4	780	42.4
V999503		2.85	0.07	0.8	0.016	0.42	7.9	7.0	3.42	1150	0.32	0.10	2.0	6.4	240	7.4
V999504		7.59	0.07	1.4	0.034	1.06	21.4	12.6	6.78	2320	2.34	0.41	5.2	20.9	430	10.2
V999505		6.87	0.09	1.6	0.030	0.69	16.7	28.0	1.44	1310	0.45	0.87	5.2	14.1	490	8.1
V999506		3.91	0.06	0.7	0.017	0.53	9.4	7.0	9.08	2280	1.11	0.38	2.8	7.4	200	3.7



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**CERTIFICATE OF ANALYSIS WH18246800**

Sample Description	Method Analyte Units LOD	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm	ME-MS61 V ppm
V999591		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
V999592		13.2	<0.002	<0.01	0.12	2.6	<1	0.2	1815	0.08	<0.05	1.26	0.045	0.06	1.3	14
V999593																
V999594		7.8	<0.002	0.04	0.15	2.4	1	<0.2	4510	<0.05	<0.05	0.91	0.024	0.05	2.2	9
V999595																
V999596		1.2	<0.002	<0.01	0.13	0.6	1	<0.2	1620	<0.05	<0.05	0.24	0.009	<0.02	0.7	3
V999597																
V999598		2.1	<0.002	0.05	0.11	1.1	1	<0.2	1730	<0.05	<0.05	0.52	0.020	0.02	0.8	6
V999599																
V999600		101.0	<0.002	0.03	0.49	19.6	1	2.3	60.5	0.95	0.06	11.15	0.577	0.47	2.2	147
V999601		25.4	<0.002	0.01	0.15	3.8	1	0.4	2290	0.17	<0.05	2.87	0.073	0.11	3.3	17
V999602																
V999603		99.4	<0.002	0.88	0.46	18.8	2	2.2	363	0.76	<0.05	14.50	0.252	0.49	2.0	78
V999604		16.5	<0.002	1.18	0.33	9.2	1	0.4	549	0.11	0.09	2.05	0.047	0.11	1.6	36
V999502		20.5	<0.002	0.03	7.37	13.3	<1	0.9	1430	0.36	0.13	2.64	0.269	0.15	0.8	118
V999503		19.9	<0.002	0.32	0.36	2.6	1	0.4	341	0.14	<0.05	2.04	0.079	0.13	0.6	17
V999504		48.4	0.028	0.32	0.59	6.1	3	0.9	175.0	0.40	<0.05	5.11	0.146	0.33	6.2	124
V999505		35.0	<0.002	0.24	0.33	9.0	<1	0.8	475	0.38	<0.05	4.69	0.225	0.27	1.2	59
V999506		23.7	0.013	0.10	0.23	3.2	2	0.5	184.5	0.20	<0.05	2.88	0.075	0.16	1.8	62





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<b>CERTIFICATE OF ANALYSIS WH18246800</b>
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Sample Description	Method Analyte Units LOD	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V999591					
V999592		1.0	5.9	8	13.9
V999593					
V999594		0.1	6.6	7	7.7
V999595					
V999596		0.2	1.5	3	4.2
V999597					
V999598		0.1	3.9	4	8.3
V999599					
V999600		1.5	23.6	91	131.5
V999601		0.3	12.2	15	25.9
V999602					
V999603		1.3	28.9	64	90.0
V999604		0.5	26.1	90	14.1
V999502		1.6	17.6	130	56.8
V999503		0.8	8.1	17	32.2
V999504		0.6	18.8	62	52.0
V999505		0.7	18.2	38	59.5
V999506		0.5	7.3	12	24.9



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**CERTIFICATE OF ANALYSIS WH18246800**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: REE's may not be totally soluble in this method.  
ME-MS61

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU-31	CRU-QC	LOG-21	PUL-31
PUL-QC	SPL-21	WEI-21	WSH-22

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
ME-MS61