Certificate of Analysis
Work Order : SD180097
[Report File No.: 0000033386]

Date: December 21, 2018

To: **JASON JESSUP**
URSA MAJOR MINERALS INCORPORATED
45 OAK ST
DOWLING ON P0M 1R0

P.O. No.: SHAKESPEARE / TEST: 37 Samples
Project No.: SHAKESPEARE
Samples: 37
Received: Nov 5, 2018
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
37	G_LOG02	Pre-preparation processing, sorting, logging, boxing
37	G_WGH79	Weighing of samples and reporting of weights
34	G_PRP89	Weigh, dry,(up to3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to
37	GE_FAI313	@Au, Pt, Pd, FAS, ICP-AES, 30g - 5ml (Clean Pots only)
37	GE_IMS90A	Sodium Peroxide fusion/ICP-MS package(34 elements)
37	G_SHIP	Shipping

Comments:

Sample prep performed in Sudbury.
This Report cancels and supersedes the Report No. 033264 dated Dec 14 2018 issued by SGS Canada (Production Way).
Results in 2 decimal places for S in GE_IMS90A are informational only.

Certified By : _____
Gerald Chik
Operations Manager/Chief Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at http://www.scc.ca/en/search/palcan/sgs

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element	WtKg	Au@	Pt@	Pd@	Ag	Al	As	Ba
Method	G_WGH79	GE_FAI313	GE_FAI313	GE_FAI313	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	1	10	1	1	0.01	3	10
Units	kg	ppb	ppb	ppb	ppm	%	ppm	ppm
S00354041	0.722	<1	<10	1	<1	7.31	4	690
S00354042	1.901	<1	<10	<1	<1	5.72	4	610
S00354043	1.036	<1	<10	<1	<1	4.34	3	250
S00354044	1.469	<1	<10	<1	<1	4.80	<3	410
S00354045	0.846	<1	<10	<1	<1	8.08	<3	690
S00354046	2.110	<1	<10	<1	<1	4.75	<3	110
S00354047	1.432	<1	<10	1	<1	5.99	4	220
S00354048	1.495	4	10	7	<1	7.31	6	250
S00354049	1.161	3	10	7	<1	7.14	4	120
S00354050	0.102	<1	<10	1	<1	8.58	3	600
S00354051	2.835	4	10	8	<1	7.14	5	180
S00354052	0.850	5	10	9	<1	6.07	<3	230
S00354053	2.640	3	10	8	<1	7.10	5	220
S00354054	2.613	3	10	6	<1	7.34	7	230
S00354055	0.948	4	10	9	<1	7.38	4	230
S00354056	2.880	4	<10	4	<1	7.12	7	230
S00354057	2.452	3	10	6	<1	7.28	4	230
S00354058	2.557	5	10	8	<1	7.43	4	210
S00354059	2.566	36	30	14	<1	7.70	<3	310
S00354060	0.104	3	<10	1	<1	8.91	4	610
S00354061	1.831	8	20	6	<1	8.40	<3	240
S00354062	2.220	4	<10	1	<1	3.45	<3	120
S00354063	2.310	4	<10	2	<1	3.29	<3	40
S00354064	1.912	6	10	7	<1	7.62	<3	130
S00354065	2.922	9	20	11	<1	7.31	4	390
S00354066	2.611	8	20	10	<1	7.67	8	260
S00354067	2.359	2	<10	3	<1	7.37	5	90
S00354068	2.273	7	<10	<1	<1	7.11	3	120
S00354069	1.364	25	<10	<1	<1	7.19	<3	40
S00354070	0.099	54	410	523	1	2.91	232	90
S00354071	2.411	5	<10	<1	<1	7.13	<3	90
S00354072	1.673	17	<10	3	<1	7.32	5	160
S00354073	1.094	4	<10	4	<1	7.57	5	160
S00354074	2.547	3	10	11	<1	7.90	11	170
S00354075	3.134	9	<10	9	<1	8.16	25	60
S00354076	1.366	3	10	10	<1	7.45	6	30
S00354077	1.627	6	<10	23	<1	7.69	<3	110
*Rep S00354044		<1	<10	<1				
*Std OREAS680		155	400	216				
*Std PGMS25		483	390	1870				

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Element	Au@	Pt@	Pd@	Ag	Al	As	Ba
Method	GE_FAI313	GE_FAI313	GE_FAI313	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	1	10	1	1	0.01	3	10
Units	ppb	ppb	ppb	ppm	%	ppm	ppm
*Blk BLANK	<1	<10	<1				
*Rep S00354069				<1	7.39	<3	40
*Std OREAS680				9	7.22	117	640
*Std OREAS70B				<1	4.02	146	200
*Blk BLANK				<1	<0.01	<3	<10

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Element	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	1	0.1	0.1	0.2	0.5	5	0.1	2
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
S00354041	2	0.3	<0.1	1.9	23.4	191	1.7	98
S00354042	1	<0.1	<0.1	<0.2	7.7	103	1.0	24
S00354043	1	0.2	4.0	<0.2	21.7	160	5.0	47
S00354044	<1	<0.1	0.3	<0.2	6.2	66	0.8	26
S00354045	2	<0.1	0.1	<0.2	10.1	104	2.6	26
S00354046	<1	<0.1	0.4	<0.2	7.6	104	0.5	25
S00354047	<1	0.1	1.3	<0.2	28.9	241	2.8	185
S00354048	<1	0.2	5.8	<0.2	47.7	35	3.4	156
S00354049	1	0.1	5.6	<0.2	48.8	26	1.2	200
S00354050	<1	0.1	4.3	<0.2	14.2	30	0.8	105
S00354051	1	0.1	5.5	<0.2	44.0	20	1.4	97
S00354052	<1	0.2	5.7	<0.2	49.0	15	3.8	273
S00354053	<1	0.1	5.9	<0.2	49.3	26	3.2	180
S00354054	<1	0.1	5.9	<0.2	49.5	25	2.5	163
S00354055	<1	0.1	6.0	<0.2	50.8	23	2.4	199
S00354056	1	0.1	5.7	<0.2	49.8	19	2.7	210
S00354057	<1	0.1	6.6	<0.2	47.8	20	2.5	183
S00354058	1	0.1	6.0	<0.2	46.4	15	2.5	191
S00354059	<1	0.5	5.5	0.2	50.1	20	5.2	411
S00354060	<1	0.1	4.4	<0.2	14.3	26	0.5	105
S00354061	1	0.2	5.7	0.2	47.2	33	3.6	524
S00354062	<1	0.1	7.2	0.2	53.9	48	1.4	489
S00354063	<1	0.1	3.1	0.2	16.4	68	<0.1	182
S00354064	<1	0.2	4.6	<0.2	48.8	25	1.8	248
S00354065	1	0.2	4.2	<0.2	49.2	25	7.4	135
S00354066	<1	0.2	6.3	<0.2	45.7	35	4.7	73
S00354067	<1	0.2	8.2	<0.2	29.5	40	0.9	128
S00354068	<1	0.2	7.2	0.2	42.4	15	1.7	281
S00354069	<1	0.4	8.3	<0.2	54.2	13	0.5	395
S00354070	<1	0.1	3.3	0.4	199	3040	2.3	2800
S00354071	<1	0.2	6.0	<0.2	50.7	10	1.0	283
S00354072	1	0.2	4.9	0.2	43.8	32	2.1	115
S00354073	<1	0.2	5.7	0.2	53.9	53	2.4	76
S00354074	<1	0.2	6.6	0.3	45.4	49	1.4	96
S00354075	<1	0.3	8.6	<0.2	49.1	46	0.3	83
S00354076	<1	0.1	7.0	<0.2	41.5	44	<0.1	145
S00354077	<1	<0.1	6.7	0.3	46.1	51	1.4	75

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Element	Be	Bi	Ca	Cd	Co	Cr	Cs	Cu
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	1	0.1	0.1	0.2	0.5	5	0.1	2
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
*Rep S00354069	<1	0.3	8.2	<0.2	55.5	11	0.3	411
*Std OREAS680	1	1.7	5.6	7.7	322	2120	3.7	9410
*Std OREAS70B	<1	0.9	3.1	0.5	80.3	1280	3.2	52
*Blk BLANK	<1	<0.1	<0.1	<0.2	<0.5	<5	<0.1	<2

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Element	Fe	K	La	Li	Mg	Mn	Mo	Ni
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	0.1	0.1	5	0.01	10	2	5
Units	%	%	ppm	ppm	%	ppm	ppm	ppm
S00354041	2.06	4.5	50.2	13	0.54	70	3	31
S00354042	1.64	3.8	17.7	12	0.57	70	4	21
S00354043	5.17	2.5	45.4	32	3.01	680	3	88
S00354044	1.52	2.2	12.3	5	0.45	90	3	16
S00354045	3.84	4.1	20.2	14	1.29	130	<2	35
S00354046	2.37	0.6	22.6	<5	0.79	170	4	21
S00354047	5.10	1.1	44.6	9	1.23	430	5	44
S00354048	9.79	1.2	16.8	7	2.57	1310	2	60
S00354049	8.96	0.7	19.7	5	2.24	1200	<2	49
S00354050	4.88	1.3	12.0	6	1.64	970	5	17
S00354051	9.69	0.8	17.2	6	2.52	1300	<2	54
S00354052	9.31	1.2	16.1	12	2.07	1200	<2	50
S00354053	10.2	1.1	16.6	9	2.63	1400	<2	62
S00354054	9.65	1.0	17.2	8	2.58	1360	<2	58
S00354055	9.78	1.0	17.4	9	2.60	1360	<2	60
S00354056	10.3	1.0	19.1	<5	2.30	1420	<2	50
S00354057	10.2	1.1	18.6	11	2.44	1410	<2	53
S00354058	9.95	1.0	18.2	7	2.56	1420	<2	58
S00354059	10.0	1.6	16.7	18	2.79	1200	<2	66
S00354060	4.96	1.4	11.9	6	1.65	980	6	17
S00354061	9.34	1.1	19.1	19	2.52	1140	<2	56
S00354062	5.78	0.5	7.6	6	1.12	780	3	52
S00354063	3.37	0.1	7.2	<5	0.77	440	4	25
S00354064	10.1	0.7	17.0	20	2.95	1170	<2	59
S00354065	11.0	2.0	18.3	20	2.74	1250	<2	58
S00354066	10.1	1.5	15.9	15	2.53	1280	<2	66
S00354067	7.91	0.4	17.7	6	1.51	1130	<2	34
S00354068	9.12	0.6	23.9	10	1.63	1180	2	33
S00354069	6.93	0.2	24.4	<5	0.71	770	<2	23
S00354070	11.6	0.2	3.8	26	14.4	1390	<2	4010
S00354071	8.70	0.5	27.2	9	1.38	1070	<2	20
S00354072	10.6	0.9	22.6	19	2.53	1240	<2	51
S00354073	11.8	0.9	13.6	24	3.23	1460	<2	78
S00354074	9.11	0.7	13.8	11	3.09	1330	<2	74
S00354075	6.44	0.2	16.3	<5	2.68	1060	<2	71
S00354076	7.50	0.1	9.3	<5	3.50	1210	<2	90
S00354077	8.13	0.5	9.6	11	3.87	1310	<2	99

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Element	Fe	K	La	Li	Mg	Mn	Mo	Ni
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	0.1	0.1	5	0.01	10	2	5
Units	%	%	ppm	ppm	%	ppm	ppm	ppm
*Rep S00354069	7.05	0.2	24.1	<5	0.74	780	<2	20
*Std OREAS680	12.0	1.3	17.9	8	3.66	1220	3	21400
*Std OREAS70B	5.74	0.6	14.8	32	13.3	1160	4	2170
*Blk BLANK	<0.01	<0.1	<0.1	<5	<0.01	<10	<2	<5

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Element	P	Pb	S	Sb	Si	Sn	Sr	Te
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	2	1	1	0.1	1	10	1
Units	%	ppm	%	ppm	%	ppm	ppm	ppm
S00354041	<0.01	22	<1.00	<1	33.7	<1	40	<1
S00354042	0.01	7	<1.00	<1	35.3	<1	30	<1
S00354043	0.17	5	<1.00	<1	27.1	<1	50	<1
S00354044	<0.01	7	<1.00	<1	35.5	<1	60	<1
S00354045	0.04	14	<1.00	<1	29.1	<1	50	<1
S00354046	0.02	6	<1.00	<1	35.9	<1	50	<1
S00354047	0.06	13	<1.00	<1	30.7	<1	110	<1
S00354048	0.05	8	<1.00	<1	24.6	3	190	<1
S00354049	0.05	9	<1.00	<1	23.8	<1	190	<1
S00354050	0.05	9	<1.00	<1	27.2	1	460	<1
S00354051	0.04	7	<1.00	<1	23.3	<1	180	<1
S00354052	0.04	7	<1.00	<1	24.4	<1	150	<1
S00354053	0.04	7	<1.00	<1	24.0	<1	180	<1
S00354054	0.04	7	<1.00	<1	24.0	<1	180	<1
S00354055	0.04	6	<1.00	<1	23.8	1	190	<1
S00354056	0.05	6	<1.00	<1	23.4	<1	160	<1
S00354057	0.05	7	<1.00	<1	24.1	<1	200	<1
S00354058	0.05	8	<1.00	<1	23.3	<1	190	<1
S00354059	0.04	8	<1.00	<1	20.7	<1	160	<1
S00354060	0.05	9	<1.00	<1	27.6	<1	470	<1
S00354061	0.05	7	<1.00	<1	20.8	2	160	<1
S00354062	0.01	7	<1.00	<1	27.6	<1	80	<1
S00354063	0.01	4	<1.00	<1	33.6	<1	90	<1
S00354064	0.05	7	<1.00	<1	23.0	<1	140	<1
S00354065	0.05	6	<1.00	<1	23.2	<1	160	<1
S00354066	0.04	7	<1.00	<1	24.1	<1	220	<1
S00354067	0.04	9	<1.00	2	23.8	<1	310	<1
S00354068	0.06	8	<1.00	1	26.0	<1	230	<1
S00354069	0.06	12	<1.00	2	24.9	<1	350	<1
S00354070	0.02	5	1.54	4	17.6	<1	30	1
S00354071	0.08	6	<1.00	1	26.3	<1	210	<1
S00354072	0.06	16	<1.00	1	24.2	<1	160	<1
S00354073	0.03	11	<1.00	<1	22.7	<1	140	<1
S00354074	0.03	8	<1.00	<1	23.5	1	220	<1
S00354075	0.03	9	<1.00	3	24.1	<1	370	<1
S00354076	0.03	9	<1.00	1	24.6	<1	190	<1
S00354077	0.03	7	<1.00	<1	25.1	2	180	<1

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Final : SD180097 Order: SHAKESPEARE / TEST: 37 Samples

Report File No.: 0000033386

Element	P	Pb	S	Sb	Si	Sn	Sr	Te
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	2	1	1	0.1	1	10	1
Units	%	ppm	%	ppm	%	ppm	ppm	ppm
*Rep S00354069	0.07	10	<1.00	2	25.1	<1	350	<1
*Std OREAS680	0.12	2650	4.68	19	19.2	<1	410	<1
*Std OREAS70B	0.02	13	<1.00	<1	22.2	<1	70	<1
*Blk BLANK	<0.01	<2	<1.00	<1	<0.1	<1	<10	<1

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Report File No.: 0000033386

Element	Ti	V	W	Y	Yb	Zn
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	5	5	0.5	0.1	5
Units	%	ppm	ppm	ppm	ppm	ppm
S00354041	0.41	37	6	26.8	3.5	334
S00354042	0.21	31	<5	11.2	1.3	14
S00354043	0.63	92	<5	23.0	2.1	65
S00354044	0.09	19	<5	4.0	0.4	10
S00354045	0.32	65	6	14.1	1.5	54
S00354046	0.20	36	<5	10.0	1.2	20
S00354047	0.70	97	<5	21.6	2.6	48
S00354048	0.75	251	<5	23.6	2.5	112
S00354049	0.83	242	6	25.3	2.6	96
S00354050	0.32	140	<5	19.6	2.4	63
S00354051	0.71	233	<5	23.0	2.5	108
S00354052	0.76	224	<5	22.8	2.2	96
S00354053	0.78	263	<5	23.6	2.5	118
S00354054	0.76	249	<5	22.9	2.5	109
S00354055	0.77	253	<5	23.5	2.5	107
S00354056	0.85	268	<5	24.5	2.6	116
S00354057	0.83	261	<5	25.0	2.5	119
S00354058	0.80	261	<5	23.8	2.6	111
S00354059	0.73	276	<5	21.5	2.2	102
S00354060	0.32	141	<5	20.1	2.4	68
S00354061	0.79	238	<5	23.6	2.3	91
S00354062	0.29	103	<5	10.1	1.1	41
S00354063	0.28	93	<5	9.4	1.0	31
S00354064	0.75	243	<5	23.1	2.4	104
S00354065	0.80	261	<5	23.7	2.6	112
S00354066	0.65	235	<5	20.4	2.3	97
S00354067	0.70	224	<5	24.6	2.5	69
S00354068	1.03	283	<5	28.7	2.9	84
S00354069	0.97	217	<5	31.1	3.3	56
S00354070	0.35	140	<5	8.2	0.8	112
S00354071	1.31	241	<5	32.4	3.4	81
S00354072	0.83	231	<5	27.6	2.9	103
S00354073	0.69	275	<5	18.1	1.9	168
S00354074	0.64	261	<5	17.9	1.8	97
S00354075	0.48	215	<5	17.1	1.9	58
S00354076	0.46	198	<5	13.9	1.4	77
S00354077	0.48	215	<5	15.0	1.6	85

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Element	Ti	V	W	Y	Yb	Zn
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	0.01	5	5	0.5	0.1	5
Units	%	ppm	ppm	ppm	ppm	ppm
*Rep S00354069	0.96	222	<5	31.8	3.1	48
*Std OREAS680	0.53	223	<5	15.4	1.6	2340
*Std OREAS70B	0.19	68	7	10.3	1.1	119
*Blk BLANK	<0.01	<5	<5	<0.5	<0.1	<5

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