Certificate of Analysis
Work Order : SD180099
[Report File No.: 0000033388]

Date: December 21, 2018

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

P.O. No.: SHAKESPEARE / TEST: 42 Samples
Project No.: SHAKESPEARE
Samples: 42
Received: Nov 5, 2018
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
42	G_LOG02	Pre-preparation processing, sorting, logging, boxing
42	G_WGH79	Weighing of samples and reporting of weights
39	G_PRP89	Weigh, dry,(up to3.0 kg) crush to 75% passing 2 mm, split 250 g, pulverize to
1	G_PUL45	Pulverize 250g, Cr Steel, 85% passing 75 microns
42	GE_FAI313	@Au, Pt, Pd, FAS, ICP-AES, 30g - 5ml (Clean Pots only)
42	GE_IMS90A	Sodium Peroxide fusion/ICP-MS package(34 elements)
42	G_SHIP	Shipping

Comments:

Sample prep performed in Sudbury.
This Report cancels and supersedes the Report No. 033262 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
S00355051	3.116	63	120	116	<1	8.48	52	170
S00355052	2.918	74	50	114	<1	8.02	13	160
S00355053	2.474	39	40	62	<1	8.19	78	120
S00355054	2.459	40	60	48	<1	8.14	14	130
S00355055	2.539	60	140	81	<1	8.34	23	170
S00355056	2.534	5	10	9	<1	8.00	<3	140
S00355057	2.498	10	20	24	<1	8.24	<3	170
S00355058	2.637	6	30	19	<1	8.10	5	140
S00355059	3.149	32	70	55	<1	7.48	8	140
S00355060	0.095	<1	<10	1	<1	8.45	<3	600
S00355061	2.535	35	60	48	<1	7.61	3	170
S00355062	2.339	171	200	203	<1	7.42	25	150
S00355063	3.243	43	60	59	<1	7.44	13	160
S00355064	2.884	106	90	122	<1	7.61	<3	190
S00355065	2.171	6	20	10	<1	7.86	<3	160
S00355066	0.721	9	70	23	<1	7.83	4	120
S00355067	2.904	3	<10	15	1	7.06	<3	180
S00355068	2.913	6	20	36	<1	6.76	<3	170
S00355069	2.819	4	10	29	<1	6.91	<3	190
S00355070	0.104	55	400	539	1	2.69	206	80
S00355071	2.719	5	10	35	<1	6.83	<3	180
S00355072	1.794	7	20	48	<1	6.78	<3	160
S00355073	2.589	6	10	42	<1	7.03	<3	160
S00355074	2.724	9	20	54	1	7.08	<3	160
S00355075	2.697	16	30	53	<1	7.10	<3	160
S00355076	2.348	6	10	14	<1	7.38	3	160
S00355077	2.663	3	10	22	<1	7.72	7	170
S00355078	1.009	14	<10	12	2	6.97	10	100
S00355079	1.171	4	<10	20	<1	7.34	15	60
S00355080	1.179	4	<10	16	<1	7.86	8	90
S00355081	2.593	5	<10	14	<1	7.53	5	160
S00355082	3.177	26	50	63	<1	7.01	4	120
S00355083	2.790	5	10	19	<1	7.42	12	140
S00355084	2.772	12	20	25	<1	7.27	9	160
S00355085	2.592	13	20	35	<1	7.47	6	150
S00355086	2.640	14	30	32	<1	7.75	4	150
S00355087	2.416	7	30	21	<1	7.79	7	290
S00355088	2.507	4	20	19	1	7.80	10	280
S00355089	2.302	1	<10	13	1	7.49	7	130
*Dup S00355089	<0.010	1	<10	16	<1	7.37	5	130

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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
S00355090	0.113	328	850	3650	3	5.02	12	110
S00355091	1.069	<1	<10	18	<1	7.21	5	180
S00355092	2.728	1	<10	14	<1	7.61	10	150
*Rep S00355061		35	60	47				
*Rep S00355091		1	<10	18				
*Std OREAS680		156	400	222				
*Std PGMS25		501	420	1810				
*Blk BLANK		<1	<10	<1				
*Rep S00355073					<1	7.03	<3	160
*Std OREAS680					10	6.95	108	630
*Std OREAS70B					<1	3.63	144	190
*Blk BLANK					2	<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
S00355051	<1	3.8	5.8	0.4	87.4	208	1.6	1140
S00355052	<1	4.5	5.2	0.4	78.0	148	1.4	1580
S00355053	<1	2.4	6.1	0.4	73.8	185	0.8	1270
S00355054	<1	1.7	5.8	0.3	60.9	196	0.9	674
S00355055	<1	2.7	5.7	0.3	74.0	200	1.5	580
S00355056	<1	0.5	5.7	<0.2	52.0	225	1.0	89
S00355057	<1	0.7	5.4	<0.2	61.2	251	1.1	316
S00355058	<1	0.5	6.0	<0.2	59.4	253	1.6	202
S00355059	<1	1.7	6.0	0.2	77.7	226	1.8	484
S00355060	<1	0.1	4.4	0.3	15.3	37	1.0	103
S00355061	<1	1.3	6.5	0.2	66.7	137	2.5	652
S00355062	<1	7.5	6.0	0.5	104	121	2.1	2050
S00355063	<1	2.3	6.2	0.3	69.9	120	2.1	637
S00355064	<1	3.5	6.1	0.2	78.1	98	2.0	815
S00355065	<1	0.2	5.8	0.2	53.8	111	2.3	288
S00355066	<1	0.9	6.0	<0.2	71.5	146	2.0	327
S00355067	<1	0.2	6.1	0.2	58.1	141	3.5	228
S00355068	<1	0.3	5.9	0.3	59.1	126	3.1	314
S00355069	<1	0.2	6.0	0.2	57.7	116	3.0	309
S00355070	<1	0.1	3.3	0.4	200	3090	2.5	2720
S00355071	<1	0.2	5.8	0.2	58.0	107	2.4	319
S00355072	<1	0.2	6.0	0.2	60.7	107	2.7	395
S00355073	<1	0.2	6.1	0.2	58.1	78	2.8	354
S00355074	<1	0.2	6.4	0.3	60.7	66	3.1	443
S00355075	<1	0.2	6.1	0.2	57.1	50	2.6	497
S00355076	<1	0.1	6.6	<0.2	53.4	39	2.6	520
S00355077	<1	0.1	6.4	<0.2	48.4	43	2.1	306
S00355078	<1	0.1	7.2	0.3	49.7	42	0.9	917
S00355079	<1	0.2	6.8	0.2	55.4	40	0.4	370
S00355080	<1	0.2	7.1	0.2	52.6	48	1.1	404
S00355081	<1	0.1	6.5	0.2	56.5	42	2.8	384
S00355082	<1	0.2	6.4	0.4	67.4	53	2.6	1030
S00355083	<1	0.2	6.7	0.3	45.5	53	0.5	317
S00355084	1	0.2	6.7	0.3	59.1	44	3.0	960
S00355085	<1	0.2	6.7	0.3	53.5	45	1.9	1020
S00355086	<1	0.2	6.6	0.3	55.3	46	2.6	878
S00355087	1	0.1	6.3	0.2	49.9	49	2.9	479
S00355088	<1	0.1	6.7	<0.2	49.5	57	2.2	232
S00355089	<1	<0.1	7.3	<0.2	52.8	68	1.8	144
*Dup S00355089	<1	<0.1	7.1	0.3	50.5	61	1.6	141

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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
S00355090	<1	1.1	3.5	1.9	960	364	0.7	15800
S00355091	<1	<0.1	6.5	<0.2	47.8	62	3.0	104
S00355092	<1	<0.1	7.3	0.2	52.9	66	2.5	123
*Rep S00355073	<1	0.2	6.2	0.2	58.1	83	2.7	373
*Std OREAS680	1	1.6	5.8	7.8	332	2240	4.1	8950
*Std OREAS70B	<1	0.7	3.1	0.5	81.7	1310	3.4	53
*Blk BLANK	<1	<0.1	<0.1	<0.2	<0.5	7	<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
S00355051	8.36	0.7	12.9	14	3.29	1050	<2	917
S00355052	8.36	0.7	12.2	12	3.59	1030	<2	981
S00355053	8.00	0.4	10.1	12	3.93	1100	<2	734
S00355054	8.23	0.6	9.9	14	3.92	1120	<2	492
S00355055	8.54	0.7	10.1	16	4.11	1150	<2	457
S00355056	7.98	0.6	9.7	14	4.33	1140	<2	116
S00355057	8.45	0.6	9.8	17	4.50	1170	<2	272
S00355058	8.84	0.5	8.9	17	4.33	1260	<2	175
S00355059	9.64	0.6	8.8	14	4.35	1320	<2	407
S00355060	4.87	1.4	12.2	12	1.69	930	6	23
S00355061	9.16	0.8	11.0	12	3.59	1320	<2	365
S00355062	10.4	0.7	12.3	16	3.42	1320	<2	1790
S00355063	9.63	0.7	9.5	18	4.02	1340	<2	679
S00355064	9.08	0.9	11.5	16	3.53	1250	<2	473
S00355065	8.87	0.6	11.1	14	3.61	1250	<2	140
S00355066	9.58	0.6	10.8	17	3.63	1240	<2	364
S00355067	9.60	0.9	12.5	19	3.52	1380	<2	146
S00355068	9.83	0.8	13.7	18	3.53	1410	<2	171
S00355069	9.49	0.9	13.3	17	3.52	1390	<2	164
S00355070	10.8	0.2	3.6	31	14.1	1250	<2	4050
S00355071	9.53	0.8	12.5	15	3.61	1390	<2	165
S00355072	9.55	0.8	12.1	17	3.77	1420	<2	180
S00355073	9.62	0.8	12.4	17	3.70	1430	<2	153
S00355074	9.79	0.8	12.4	19	3.72	1450	<2	155
S00355075	9.28	0.8	10.8	17	3.91	1360	<2	144
S00355076	8.44	0.8	11.9	13	3.50	1280	<2	121
S00355077	6.85	0.9	11.2	15	3.54	1120	<2	103
S00355078	7.25	0.4	9.8	17	3.30	1150	<2	112
S00355079	7.63	0.2	9.8	11	3.50	1180	<2	109
S00355080	7.99	0.4	9.6	17	3.63	1240	<2	115
S00355081	8.80	0.8	9.1	15	3.60	1290	<2	108
S00355082	9.98	0.7	8.3	16	4.23	1420	<2	301
S00355083	6.94	0.5	10.4	11	3.52	1160	<2	124
S00355084	9.21	0.8	8.1	16	4.02	1330	<2	176
S00355085	8.32	0.6	10.4	16	3.62	1240	<2	229
S00355086	8.64	0.7	11.2	16	3.70	1240	<2	209
S00355087	7.72	1.1	11.3	18	3.83	1170	<2	147
S00355088	7.65	0.9	10.8	21	3.64	1200	<2	110
S00355089	8.34	0.6	8.8	16	3.99	1310	<2	115
*Dup S00355089	8.27	0.6	8.9	17	3.99	1290	<2	111

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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
S00355090	17.9	0.3	7.4	10	4.17	960	7	45500
S00355091	8.17	0.8	8.9	15	4.15	1230	<2	111
S00355092	8.49	0.7	9.1	20	4.26	1300	<2	131
*Rep S00355073	9.45	0.8	12.1	16	3.68	1410	<2	151
*Std OREAS680	11.9	1.3	17.2	18	3.71	1180	3	21300
*Std OREAS70B	5.60	0.7	14.5	35	13.1	1090	5	2220
*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
S00355051	0.03	8	<1.00	<1	23.1	<1	210	1
S00355052	0.03	7	<1.00	<1	22.4	<1	170	1
S00355053	0.02	7	<1.00	<1	23.6	<1	170	<1
S00355054	0.03	8	<1.00	<1	23.0	<1	170	<1
S00355055	0.03	7	<1.00	<1	22.9	<1	170	1
S00355056	0.02	6	<1.00	<1	23.5	<1	160	<1
S00355057	0.02	6	<1.00	<1	23.2	<1	150	<1
S00355058	0.02	7	<1.00	<1	23.2	<1	180	<1
S00355059	0.02	6	<1.00	<1	22.7	<1	170	<1
S00355060	0.06	8	<1.00	<1	27.9	1	460	<1
S00355061	0.03	6	<1.00	<1	23.3	<1	180	<1
S00355062	0.04	5	<1.00	<1	23.6	1	170	2
S00355063	0.03	5	<1.00	<1	23.4	<1	160	<1
S00355064	0.04	7	<1.00	<1	22.9	<1	180	1
S00355065	0.04	6	<1.00	<1	21.7	<1	180	<1
S00355066	0.03	6	<1.00	<1	22.5	<1	190	<1
S00355067	0.04	5	<1.00	<1	24.4	1	160	<1
S00355068	0.05	5	<1.00	<1	24.3	1	150	<1
S00355069	0.04	5	<1.00	<1	24.1	1	160	<1
S00355070	0.03	7	1.69	3	17.5	<1	20	1
S00355071	0.04	5	<1.00	<1	23.6	<1	160	<1
S00355072	0.04	5	<1.00	<1	24.3	<1	150	<1
S00355073	0.04	5	<1.00	<1	23.7	1	160	<1
S00355074	0.04	5	<1.00	<1	24.5	1	170	<1
S00355075	0.04	5	<1.00	<1	23.2	<1	150	<1
S00355076	0.04	6	<1.00	<1	23.8	<1	180	<1
S00355077	0.02	6	<1.00	<1	24.5	<1	180	<1
S00355078	0.02	5	<1.00	<1	24.2	<1	150	<1
S00355079	0.02	8	<1.00	2	23.7	<1	190	<1
S00355080	0.02	8	<1.00	1	24.8	<1	200	<1
S00355081	0.03	6	<1.00	<1	24.3	<1	180	<1
S00355082	0.03	6	<1.00	<1	23.6	<1	150	<1
S00355083	0.02	7	<1.00	<1	25.1	<1	190	<1
S00355084	0.04	6	<1.00	<1	24.0	<1	160	<1
S00355085	0.04	7	<1.00	<1	23.4	<1	190	<1
S00355086	0.04	7	<1.00	<1	23.7	<1	190	<1
S00355087	0.03	7	<1.00	<1	24.6	<1	180	<1
S00355088	0.03	7	<1.00	<1	25.3	<1	200	<1
S00355089	0.03	7	<1.00	<1	24.8	<1	180	<1
*Dup S00355089	0.03	7	<1.00	<1	24.1	<1	180	<1

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Final : SD180099 Order: SHAKESPEARE / TEST: 42 Samples

Report File No.: 0000033388

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
S00355090	0.05	15	8.60	3	14.7	2	160	5
S00355091	0.03	7	<1.00	<1	25.1	<1	170	<1
S00355092	0.03	8	<1.00	<1	24.3	<1	190	<1
*Rep S00355073	0.04	5	<1.00	<1	24.2	<1	160	<1
*Std OREAS680	0.13	2520	4.90	19	19.9	2	400	<1
*Std OREAS70B	0.03	13	<1.00	<1	22.0	1	70	<1
*Blk BLANK	<0.01	<2	<1.00	<1	<0.1	<1	<10	<1

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Final : SD180099 Order: SHAKESPEARE / TEST: 42 Samples

Report File No.: 0000033388

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
S00355051	0.43	249	<5	12.2	1.2	85
S00355052	0.40	221	<5	12.6	1.4	99
S00355053	0.34	224	<5	10.7	1.2	93
S00355054	0.40	232	<5	11.9	1.4	98
S00355055	0.42	237	<5	10.9	1.2	117
S00355056	0.36	233	<5	10.3	1.2	93
S00355057	0.38	252	<5	10.6	1.1	100
S00355058	0.40	253	<5	10.8	1.2	99
S00355059	0.43	233	<5	12.1	1.4	111
S00355060	0.33	139	<5	19.8	2.5	66
S00355061	0.53	250	<5	14.5	1.6	104
S00355062	0.57	240	<5	15.5	1.7	118
S00355063	0.49	244	<5	13.7	1.4	109
S00355064	0.61	273	<5	16.0	1.7	104
S00355065	0.54	232	<5	15.4	1.6	105
S00355066	0.55	249	<5	16.3	1.7	103
S00355067	0.63	245	<5	18.0	1.9	110
S00355068	0.63	248	<5	19.1	2.0	111
S00355069	0.62	232	<5	18.5	2.0	117
S00355070	0.36	133	<5	8.0	0.8	111
S00355071	0.62	221	<5	18.2	1.9	112
S00355072	0.58	222	<5	17.1	1.8	115
S00355073	0.62	231	<5	18.2	1.9	117
S00355074	0.62	234	<5	18.0	1.9	115
S00355075	0.54	213	<5	16.1	1.8	107
S00355076	0.53	222	<5	16.1	1.6	91
S00355077	0.33	163	<5	11.1	1.1	71
S00355078	0.32	161	<5	11.1	1.2	84
S00355079	0.37	184	<5	10.5	1.2	76
S00355080	0.41	202	<5	11.4	1.2	83
S00355081	0.47	210	<5	14.6	1.6	92
S00355082	0.44	211	<5	13.8	1.5	108
S00355083	0.45	186	<5	12.1	1.4	75
S00355084	0.45	209	<5	14.9	1.6	108
S00355085	0.55	214	<5	15.4	1.5	97
S00355086	0.56	217	<5	16.7	1.8	106
S00355087	0.50	200	<5	14.8	1.5	90
S00355088	0.47	216	<5	14.9	1.6	83
S00355089	0.48	219	<5	14.3	1.4	92
*Dup S00355089	0.47	214	<5	13.6	1.4	93

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Report File No.: 0000033388

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
S00355090	0.54	78	<5	8.6	1.0	163
S00355091	0.42	209	<5	13.2	1.4	91
S00355092	0.48	232	<5	14.6	1.6	94
*Rep S00355073	0.63	231	<5	18.2	2.0	112
*Std OREAS680	0.57	222	<5	15.2	1.6	2370
*Std OREAS70B	0.20	69	<5	9.8	1.1	117
*Blk BLANK	<0.01	<5	<5	<0.5	<0.1	<5

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