Certificate of Analysis
Work Order : SD180105
[Report File No.: 0000033486]

Date: January 02, 2019

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

P.O. No.: SHAKESPEARE / TEST: 35 Samples
Project No.: SHAKESPEARE
Samples: 35
Received: Nov 13, 2018
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

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

Comments:

Sample prep performed in Sudbury
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
S00354166	0.723	<1	<10	<1	<1	7.85	3	630
S00354167	1.955	<1	<10	1	<1	7.55	7	470
S00354168	0.610	<1	<10	1	<1	6.04	10	290
S00354169	0.600	<1	<10	3	<1	12.5	16	750
S00354170	0.102	62	430	544	1	2.72	207	90
S00354171	0.767	<1	<10	<1	<1	7.57	<3	340
S00354172	0.992	<1	<10	1	<1	8.29	3	410
S00354173	0.624	<1	<10	1	<1	7.72	<3	340
S00354174	0.736	<1	<10	2	<1	8.53	6	310
S00354175	1.899	<1	<10	3	<1	9.04	10	500
S00354176	0.729	<1	<10	3	<1	7.46	<3	330
S00354177	0.934	<1	<10	1	<1	8.18	<3	270
S00354178	1.209	<1	<10	1	<1	8.80	<3	370
S00354179	0.301	<1	<10	5	<1	8.29	<3	290
S00354180	0.273	<1	<10	3	<1	8.05	<3	290
S00354181	2.319	<1	<10	3	<1	8.32	<3	320
S00354182	2.109	<1	<10	3	<1	8.15	<3	330
S00354183	3.059	<1	<10	3	<1	7.52	4	280
S00354184	1.503	<1	<10	3	<1	7.32	<3	290
S00354185	2.870	<1	<10	4	<1	7.38	5	330
S00354186	0.904	<1	<10	4	<1	8.22	<3	350
S00354187	1.516	<1	<10	4	<1	8.10	<3	350
S00354188	1.243	<1	<10	3	<1	7.52	<3	330
S00354189	3.418	<1	<10	2	<1	7.70	<3	300
S00354190	0.644	<1	<10	<1	<1	0.08	<3	20
S00354191	0.725	<1	<10	<1	<1	6.21	<3	240
S00354192	3.726	<1	<10	2	<1	7.68	<3	340
S00354193	1.205	<1	<10	1	<1	7.80	<3	340
S00354194	2.283	<1	<10	3	<1	7.68	<3	320
S00354195	2.293	3	<10	7	<1	8.33	<3	340
S00354196	2.444	5	<10	6	<1	7.85	3	320
S00354197	1.765	<1	<10	6	<1	8.24	4	350
S00354198	2.369	11	20	24	<1	8.33	15	310
S00354199	0.991	13	30	25	<1	8.15	<3	270
S00354200	0.111	278	750	3370	4	5.49	17	120
*Rep S00354167		2	<10	2				
*Std OREAS680		152	410	216				
*Std PGMS25		461	410	1860				
*Blk BLANK		<1	<10	<1				
*Rep S00354193					<1	7.84	<3	350

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Element	Ag	Al	As	Ba
Method	GE_IMS90A	GE_IMS90A	GE_IMS90A	GE_IMS90A
Det.Lim.	1	0.01	3	10
Units	ppm	%	ppm	ppm
*Std OREAS680	9	6.99	110	690
*Std OREAS70B	<1	3.84	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
S00354166	2	0.2	<0.1	<0.2	12.3	134	3.3	34
S00354167	2	0.3	0.2	<0.2	17.4	136	8.1	29
S00354168	2	0.2	0.2	<0.2	9.9	130	4.3	15
S00354169	4	0.4	0.2	<0.2	28.2	174	5.2	63
S00354170	<1	0.1	3.1	0.4	201	3120	2.1	2780
S00354171	1	0.4	0.2	0.4	12.9	104	3.8	56
S00354172	2	0.2	0.3	<0.2	13.5	123	2.6	26
S00354173	2	0.2	0.3	<0.2	13.9	107	2.3	145
S00354174	2	0.2	1.6	<0.2	27.8	128	3.4	99
S00354175	2	0.1	1.5	<0.2	32.6	153	3.9	74
S00354176	2	0.2	7.3	<0.2	32.6	112	3.7	143
S00354177	1	0.2	3.9	<0.2	32.0	90	4.7	63
S00354178	2	0.2	3.9	<0.2	37.3	115	4.6	73
S00354179	2	0.2	4.4	0.6	37.0	189	4.7	119
S00354180	2	0.2	4.0	0.2	35.9	181	4.7	154
S00354181	1	0.2	4.2	<0.2	38.1	178	5.4	92
S00354182	1	0.2	4.3	<0.2	40.1	139	5.1	100
S00354183	1	0.2	4.5	<0.2	41.3	124	4.3	113
S00354184	1	0.2	4.1	<0.2	43.0	120	4.9	105
S00354185	1	0.2	4.2	<0.2	45.4	109	5.3	120
S00354186	2	0.1	4.1	0.2	38.6	122	5.6	95
S00354187	2	0.1	4.6	<0.2	40.5	105	5.1	129
S00354188	2	0.2	4.4	<0.2	40.5	102	5.1	118
S00354189	1	0.1	4.5	<0.2	35.7	59	5.2	85
S00354190	<1	<0.1	>25.0	<0.2	0.9	8	<0.1	<2
S00354191	1	0.1	3.3	<0.2	34.1	68	2.2	223
S00354192	1	0.2	4.1	<0.2	36.7	71	5.5	92
S00354193	1	0.1	4.4	<0.2	37.5	100	5.4	81
S00354194	2	0.2	4.4	<0.2	39.6	95	4.4	112
S00354195	1	0.2	4.1	<0.2	42.4	128	5.4	117
S00354196	1	0.2	4.0	<0.2	45.6	117	6.2	149
S00354197	1	0.2	4.6	<0.2	40.3	118	7.2	98
S00354198	1	0.4	4.0	<0.2	62.6	220	5.0	228
S00354199	1	0.4	3.8	<0.2	64.2	266	3.5	264
S00354200	<1	0.8	3.6	1.9	1010	363	0.7	15400
*Rep S00354193	1	0.1	4.2	<0.2	37.6	88	5.1	81

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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
*Std OREAS680	1	1.6	5.6	7.9	316	2240	3.6	8530
*Std OREAS70B	1	1.1	3.0	0.3	81.3	1350	3.2	47
*Blk BLANK	<1	<0.1	<0.1	<0.2	<0.5	6	<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
S00354166	3.00	4.3	28.3	26	1.20	80	<2	34
S00354167	3.57	3.7	33.4	19	1.71	130	2	48
S00354168	2.84	2.3	34.9	15	1.16	170	3	39
S00354169	3.65	5.1	55.6	26	1.67	140	3	56
S00354170	10.8	0.2	3.9	28	15.5	1370	<2	3990
S00354171	3.87	2.2	23.6	18	1.96	170	<2	39
S00354172	3.67	2.6	27.4	20	1.81	150	<2	45
S00354173	3.24	1.9	21.6	16	1.44	150	<2	31
S00354174	3.91	2.6	26.1	18	1.35	310	2	63
S00354175	5.28	2.7	26.8	22	1.89	480	2	69
S00354176	6.85	1.4	27.3	21	1.98	1010	<2	47
S00354177	7.38	1.1	28.5	22	1.86	900	<2	27
S00354178	7.58	1.6	26.1	23	2.53	980	<2	37
S00354179	7.68	1.2	25.2	22	2.42	1030	2	81
S00354180	7.48	1.3	28.4	21	2.44	1030	3	72
S00354181	8.24	1.4	26.0	21	2.51	1130	<2	73
S00354182	8.33	1.3	25.4	20	2.28	1180	<2	75
S00354183	8.25	1.2	25.2	18	2.40	1240	<2	61
S00354184	8.65	1.2	25.5	18	2.54	1260	<2	61
S00354185	9.17	1.4	27.3	20	2.54	1360	<2	66
S00354186	8.26	1.4	25.8	21	2.16	1160	<2	75
S00354187	8.75	1.3	27.6	19	2.10	1220	<2	71
S00354188	8.84	1.3	29.5	17	1.96	1210	<2	52
S00354189	8.53	1.2	26.0	17	1.83	1190	<2	29
S00354190	0.31	<0.1	1.4	<5	3.26	130	<2	11
S00354191	6.50	0.8	19.1	14	1.46	870	<2	30
S00354192	8.37	1.3	26.4	19	1.91	1130	<2	37
S00354193	8.78	1.3	26.5	17	2.01	1220	<2	38
S00354194	8.35	1.3	26.7	20	2.02	1180	<2	57
S00354195	8.42	1.4	25.4	23	2.24	1180	<2	117
S00354196	8.26	1.4	27.3	20	2.29	1150	<2	120
S00354197	8.28	1.5	27.3	22	2.24	1150	<2	92
S00354198	8.37	1.3	26.3	20	2.72	1110	2	298
S00354199	8.38	1.1	25.4	21	3.05	1080	5	338
S00354200	17.9	0.3	7.7	10	4.10	1080	9	46300
*Rep S00354193	8.31	1.3	25.9	18	2.00	1230	<2	36

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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
*Std OREAS680	11.7	1.1	18.6	14	3.66	1250	4	20500
*Std OREAS70B	5.55	0.5	15.1	35	14.2	1160	3	2280
*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
S00354166	0.04	16	<1.00	<1	31.3	1	40	<1
S00354167	0.03	9	<1.00	<1	31.4	2	50	<1
S00354168	0.03	6	<1.00	<1	34.5	1	60	<1
S00354169	0.04	11	<1.00	<1	25.0	2	80	<1
S00354170	0.03	6	1.57	4	17.6	<1	30	1
S00354171	0.04	40	<1.00	<1	31.1	1	90	<1
S00354172	0.05	21	<1.00	<1	31.4	2	90	<1
S00354173	0.04	10	<1.00	<1	31.8	2	90	<1
S00354174	0.04	9	<1.00	<1	31.6	<1	90	<1
S00354175	0.03	9	<1.00	<1	27.4	<1	100	<1
S00354176	0.04	10	<1.00	<1	22.4	1	130	<1
S00354177	0.06	17	<1.00	<1	26.0	1	190	<1
S00354178	0.05	9	<1.00	<1	25.6	1	200	<1
S00354179	0.06	10	<1.00	<1	25.6	1	200	<1
S00354180	0.07	10	<1.00	<1	27.1	1	190	<1
S00354181	0.05	10	<1.00	<1	25.0	2	200	<1
S00354182	0.05	9	<1.00	<1	25.8	2	200	<1
S00354183	0.05	8	<1.00	<1	25.3	2	180	<1
S00354184	0.05	7	<1.00	<1	26.1	2	150	<1
S00354185	0.06	7	<1.00	<1	26.2	2	150	<1
S00354186	0.06	13	<1.00	<1	25.8	2	200	<1
S00354187	0.07	9	<1.00	<1	26.2	2	190	<1
S00354188	0.06	8	<1.00	<1	26.3	2	180	<1
S00354189	0.06	8	<1.00	<1	26.0	2	190	<1
S00354190	<0.01	<2	<1.00	<1	4.1	<1	60	<1
S00354191	0.04	5	<1.00	<1	28.4	1	100	<1
S00354192	0.05	8	<1.00	<1	25.3	2	180	<1
S00354193	0.05	8	<1.00	<1	25.8	2	180	<1
S00354194	0.05	11	<1.00	<1	26.5	2	180	<1
S00354195	0.05	8	<1.00	<1	25.1	2	170	<1
S00354196	0.05	8	<1.00	<1	25.4	2	170	<1
S00354197	0.05	12	<1.00	<1	26.2	21	180	<1
S00354198	0.04	9	<1.00	<1	26.6	28	190	<1
S00354199	0.05	9	<1.00	<1	26.8	2	180	<1
S00354200	0.05	14	8.82	3	15.7	3	180	5
*Rep S00354193	0.05	8	<1.00	<1	25.8	2	180	<1

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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
*Std OREAS680	0.12	2580	5.38	20	20.1	2	440	<1
*Std OREAS70B	0.02	13	<1.00	<1	23.2	1	70	<1
*Blk BLANK	<0.01	<2	<1.00	<1	0.2	<1	<10	<1

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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
S00354166	0.33	68	<5	15.1	1.8	30
S00354167	0.36	84	<5	16.8	1.9	37
S00354168	0.29	74	<5	15.1	1.6	27
S00354169	0.49	160	<5	24.4	2.8	49
S00354170	0.30	136	<5	8.1	0.8	114
S00354171	0.27	67	<5	11.2	1.4	86
S00354172	0.31	86	<5	14.5	1.6	35
S00354173	0.29	68	<5	11.2	1.3	26
S00354174	0.35	95	<5	17.0	2.1	36
S00354175	0.47	144	<5	16.3	1.8	51
S00354176	0.66	180	<5	22.6	2.5	88
S00354177	0.70	173	<5	25.5	2.7	101
S00354178	0.83	190	<5	18.7	1.9	112
S00354179	0.67	222	<5	22.9	2.5	165
S00354180	0.65	222	<5	23.4	2.5	127
S00354181	0.69	236	<5	22.2	2.5	113
S00354182	0.77	214	<5	22.6	2.5	120
S00354183	0.87	262	<5	23.0	2.4	114
S00354184	0.90	251	<5	23.5	2.5	121
S00354185	0.91	234	<5	24.7	2.6	132
S00354186	0.70	185	<5	23.8	2.6	141
S00354187	0.77	187	<5	26.6	2.7	133
S00354188	0.77	189	<5	27.2	3.0	120
S00354189	0.87	199	<5	25.2	2.7	120
S00354190	<0.01	<5	<5	2.5	0.1	<5
S00354191	0.68	150	<5	20.3	2.2	81
S00354192	0.78	200	<5	24.6	2.7	119
S00354193	0.77	210	<5	24.2	2.6	126
S00354194	0.77	212	<5	24.6	2.6	120
S00354195	0.71	203	<5	22.4	2.5	113
S00354196	0.68	226	<5	21.1	2.3	114
S00354197	0.72	206	<5	23.3	2.5	108
S00354198	0.64	224	<5	21.1	2.3	114
S00354199	0.49	258	<5	21.4	2.2	107
S00354200	0.51	80	<5	9.0	1.0	152
*Rep S00354193	0.75	212	<5	24.3	2.7	122

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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
*Std OREAS680	0.49	216	<5	15.3	1.6	2310
*Std OREAS70B	0.17	66	<5	9.3	1.1	120
*Blk BLANK	<0.01	<5	<5	<0.5	<0.1	<5

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