Certificate of Analysis
Work Order : SD180136
[Report File No.: 0000033994]

Date: February 04, 2019

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

P.O. No.: SHAKESPEARE / TEST: 38 Samples
Project No.: SHAKESPEARE
Samples: 38
Received: Dec 11, 2018
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

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

Comments:

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
S00354751	2.310	98	80	129	<1	9.13	<3	210
S00354752	1.265	220	140	242	<1	9.11	16	130
S00354753	0.664	27	<10	28	<1	8.64	15	100
S00354754	1.828	37	40	54	<1	8.09	14	130
S00354755	2.705	299	400	446	2	8.15	31	80
S00354756	2.666	109	110	189	<1	7.30	27	80
S00354757	2.565	367	490	657	3	7.85	91	110
S00354758	1.333	78	110	165	<1	7.49	25	80
S00354759	1.429	43	70	88	<1	8.16	29	70
S00354760	0.070	<1	<10	4	<1	9.57	<3	610
S00354761	0.849	37	70	74	<1	7.67	53	120
S00354762	2.522	24	50	47	<1	8.90	30	140
S00354763	2.612	5	30	17	<1	8.66	14	140
S00354764	2.763	52	170	130	1	8.87	135	140
S00354765	2.695	317	500	625	3	7.97	230	90
S00354766	2.799	87	160	213	<1	8.17	241	140
S00354767	0.166	<1	<10	2	<1	0.14	<3	40
S00354768	2.566	4	30	29	<1	8.11	15	140
S00354769	2.384	5	20	35	<1	8.29	14	130
S00354770	0.103	66	450	591	<1	2.84	242	90
S00354771	2.480	2	20	21	<1	8.22	4	140
S00354772	2.469	1	<10	14	<1	8.37	3	150
S00354773	0.791	2	<10	13	<1	7.76	4	80
S00354774	2.426	2	<10	17	<1	8.35	4	130
S00354775	2.392	2	<10	20	<1	7.08	5	140
S00354776	2.581	<1	<10	15	<1	7.93	5	130
S00354777	2.612	<1	<10	8	<1	7.62	<3	160
S00354778	1.949	3	<10	5	<1	7.88	<3	110
S00354779	0.781	51	200	326	1	7.39	89	100
S00354780	0.765	54	190	400	2	7.41	107	90
S00354781	2.233	94	160	204	<1	7.90	27	90
S00354782	0.041	<1	<10	4	<1	0.21	<3	40
S00354783	2.411	13	20	26	<1	7.53	22	100
S00354784	1.948	3	20	10	<1	8.40	<3	100
S00354785	3.514	<1	20	16	<1	9.12	<3	510
S00354786	2.879	17	30	58	<1	9.03	<3	250
S00354787	3.017	9	20	26	<1	7.10	3	150
S00354788	2.516	2	<10	18	<1	7.64	4	140
*Rep S00354769		4	20	35				
*Std OREAS680		158	400	225				

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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
*Std PGMS25	478	420	1870				
*Blk BLANK	<1	<10	<1				
*Rep S00354780				2	7.22	117	90
*Std OREAS680				10	7.27	128	670
*Std OREAS70B				<1	3.79	146	210
*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
S00354751	<1	2.4	5.9	<0.2	80.6	56	3.3	523
S00354752	<1	5.2	6.7	0.5	145	66	2.8	1780
S00354753	1	0.8	4.9	0.4	50.9	66	1.0	1500
S00354754	<1	1.4	5.4	<0.2	66.4	82	1.6	401
S00354755	<1	11.5	6.3	0.8	175	81	0.6	4590
S00354756	<1	5.1	5.8	0.5	95.2	112	0.9	1780
S00354757	<1	19.4	6.3	1.0	257	62	1.4	5940
S00354758	<1	4.1	5.5	0.3	76.2	52	1.3	1110
S00354759	<1	2.1	6.5	0.2	75.8	91	0.5	851
S00354760	<1	0.1	4.3	<0.2	15.3	37	0.8	104
S00354761	<1	2.4	6.5	0.3	73.1	65	0.4	1230
S00354762	<1	1.6	7.2	0.2	70.2	68	1.3	524
S00354763	<1	0.4	6.9	<0.2	58.4	57	1.1	138
S00354764	<1	3.0	7.8	0.2	104	66	1.3	1160
S00354765	<1	17.0	6.6	0.9	210	58	0.8	6210
S00354766	<1	5.1	6.8	0.3	120	58	1.8	1480
S00354767	<1	<0.1	>25.0	<0.2	1.6	15	<0.1	23
S00354768	<1	0.6	7.5	<0.2	59.2	61	1.7	91
S00354769	<1	0.5	7.1	<0.2	52.3	62	1.4	146
S00354770	<1	0.1	3.1	0.4	195	2900	2.1	2930
S00354771	<1	0.5	7.1	<0.2	50.9	62	2.0	108
S00354772	<1	0.4	6.9	<0.2	51.3	68	2.4	85
S00354773	<1	0.8	7.8	<0.2	39.3	62	1.6	36
S00354774	<1	0.5	6.9	<0.2	53.6	64	2.3	81
S00354775	<1	0.3	7.0	<0.2	50.2	63	2.0	110
S00354776	<1	0.3	7.3	<0.2	49.7	69	1.4	162
S00354777	<1	0.2	7.9	<0.2	47.9	73	1.4	137
S00354778	<1	0.2	7.1	<0.2	48.9	77	1.1	268
S00354779	<1	1.9	6.4	0.6	188	76	0.5	3110
S00354780	<1	2.0	6.8	0.7	191	69	0.4	4480
S00354781	<1	2.4	7.2	0.7	116	86	0.7	2180
S00354782	<1	0.2	>25.0	<0.2	1.8	15	<0.1	20
S00354783	<1	0.6	6.8	<0.2	57.3	78	0.6	437
S00354784	<1	0.2	8.0	<0.2	50.9	88	1.2	87
S00354785	<1	0.4	7.2	<0.2	53.9	92	4.2	10
S00354786	<1	0.6	8.1	<0.2	44.5	86	2.0	23
S00354787	<1	0.3	6.5	0.2	50.2	83	1.2	103
S00354788	<1	0.2	6.3	<0.2	49.8	94	1.5	112

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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 S00354780	<1	1.9	7.2	0.8	209	72	0.4	4460
*Std OREAS680	1	1.7	5.7	8.3	337	2050	3.7	8950
*Std OREAS70B	1	0.9	2.9	0.3	78.0	1220	3.2	53
*Blk BLANK	<1	<0.1	<0.1	<0.2	<0.5	10	<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
S00354751	9.31	0.9	14.2	20	4.01	1180	<2	1100
S00354752	10.1	0.8	11.6	14	4.05	1350	3	1810
S00354753	5.16	0.5	30.2	7	2.22	770	3	434
S00354754	8.37	0.6	15.3	14	3.93	1260	<2	568
S00354755	9.98	0.4	12.2	9	3.61	1130	5	3070
S00354756	9.10	0.3	13.2	9	3.95	1300	2	1250
S00354757	11.6	0.5	8.5	9	3.67	1230	3	5320
S00354758	8.67	0.4	8.1	10	3.82	1210	<2	1030
S00354759	8.22	0.3	12.5	9	3.74	1350	<2	840
S00354760	4.95	1.4	12.7	8	1.64	1030	6	16
S00354761	7.21	0.3	13.4	7	3.22	1180	<2	635
S00354762	7.82	0.6	10.5	9	3.89	1300	<2	446
S00354763	7.58	0.5	10.3	9	3.80	1260	<2	143
S00354764	8.23	0.5	9.3	9	4.14	1320	2	975
S00354765	11.3	0.3	8.4	8	3.63	1290	3	4810
S00354766	9.10	0.6	7.8	10	3.88	1320	2	1540
S00354767	0.42	<0.1	1.6	<5	2.64	130	<2	21
S00354768	8.05	0.6	9.8	10	4.07	1380	<2	114
S00354769	8.36	0.5	11.6	9	4.01	1350	3	110
S00354770	10.6	0.2	4.1	28	13.9	1300	<2	4020
S00354771	8.54	0.6	9.7	10	3.95	1410	<2	106
S00354772	8.26	0.7	10.6	11	3.90	1350	<2	124
S00354773	7.44	0.4	9.8	7	3.30	1230	<2	168
S00354774	7.75	0.7	10.5	10	4.13	1400	<2	127
S00354775	7.55	0.6	9.8	10	4.12	1300	<2	115
S00354776	8.35	0.5	9.3	9	4.31	1340	<2	125
S00354777	7.49	0.7	10.1	9	4.32	1250	<2	138
S00354778	7.60	0.6	9.0	8	4.49	1290	<2	187
S00354779	10.2	0.4	8.7	8	4.03	1240	<2	3010
S00354780	10.3	0.4	8.8	10	3.96	1360	<2	2790
S00354781	9.90	0.5	9.7	9	4.58	1390	<2	1650
S00354782	0.47	<0.1	1.7	<5	1.72	120	<2	25
S00354783	7.97	0.4	10.3	11	4.52	1370	<2	430
S00354784	8.68	0.5	10.2	9	4.79	1480	<2	207
S00354785	9.82	1.6	11.5	25	5.30	1640	<2	262
S00354786	8.38	0.9	9.6	15	4.62	1460	<2	257
S00354787	7.69	0.6	10.0	8	4.53	1340	<2	130
S00354788	8.18	0.6	10.2	10	4.61	1320	<2	150

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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 S00354780	10.4	0.4	8.8	9	4.27	1370	<2	2860
*Std OREAS680	11.2	1.3	18.7	14	3.77	1250	4	21700
*Std OREAS70B	5.44	0.6	16.2	34	12.8	1110	3	2000
*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
S00354751	0.05	9	<1.00	<1	19.9	1	210	<1
S00354752	0.05	9	1.21	<1	24.8	1	210	2
S00354753	0.06	12	<1.00	<1	25.5	<1	230	<1
S00354754	0.04	10	<1.00	<1	22.1	1	210	<1
S00354755	0.03	10	1.92	<1	21.9	1	210	4
S00354756	0.03	8	<1.00	<1	23.1	1	160	1
S00354757	0.02	9	2.99	<1	22.3	<1	200	6
S00354758	0.03	9	<1.00	<1	22.1	<1	180	1
S00354759	0.03	9	<1.00	<1	22.4	1	170	<1
S00354760	0.06	8	<1.00	<1	27.1	1	480	<1
S00354761	0.03	12	<1.00	<1	22.2	<1	210	<1
S00354762	0.02	11	<1.00	<1	24.6	<1	240	<1
S00354763	0.02	10	<1.00	<1	23.1	<1	200	<1
S00354764	0.03	10	<1.00	<1	24.3	<1	230	<1
S00354765	0.02	10	2.40	1	21.6	1	190	5
S00354766	0.02	9	<1.00	1	21.2	<1	190	2
S00354767	<0.01	<2	<1.00	<1	3.2	<1	70	<1
S00354768	0.04	8	<1.00	<1	23.0	<1	200	<1
S00354769	0.04	8	<1.00	<1	23.6	<1	190	<1
S00354770	0.03	5	1.50	4	16.1	<1	30	1
S00354771	0.03	9	<1.00	<1	23.8	<1	200	<1
S00354772	0.04	11	<1.00	<1	23.2	<1	180	<1
S00354773	0.03	13	<1.00	<1	22.6	<1	210	<1
S00354774	0.03	9	<1.00	<1	25.1	<1	200	<1
S00354775	0.03	8	<1.00	<1	22.5	<1	170	<1
S00354776	0.03	8	<1.00	<1	23.9	1	180	<1
S00354777	0.03	8	<1.00	<1	23.6	<1	180	<1
S00354778	0.03	9	<1.00	<1	21.6	<1	180	<1
S00354779	0.03	8	1.91	<1	18.8	<1	150	<1
S00354780	0.03	9	1.85	<1	20.1	<1	160	<1
S00354781	0.04	8	<1.00	<1	21.2	1	160	<1
S00354782	0.02	<2	<1.00	<1	2.8	<1	70	<1
S00354783	0.03	8	<1.00	<1	21.6	<1	170	<1
S00354784	0.04	9	<1.00	<1	22.2	<1	190	<1
S00354785	0.04	8	<1.00	<1	18.5	<1	160	<1
S00354786	0.03	7	<1.00	<1	20.4	6	190	<1
S00354787	0.03	9	<1.00	<1	22.0	5	170	<1
S00354788	0.03	9	<1.00	<1	21.2	5	160	<1

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Final : SD180136 Order: SHAKESPEARE / TEST: 38 Samples

Report File No.: 0000033994

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 S00354780	0.03	8	1.87	<1	20.3	<1	170	<1
*Std OREAS680	0.12	2560	5.03	21	19.7	2	420	<1
*Std OREAS70B	0.02	12	<1.00	<1	20.9	1	70	<1
*Blk BLANK	<0.01	<2	<1.00	<1	0.2	<1	<10	<1

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Final : SD180136 Order: SHAKESPEARE / TEST: 38 Samples

Report File No.: 0000033994

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
S00354751	0.58	215	<5	18.6	1.8	100
S00354752	0.55	260	<5	17.0	1.5	123
S00354753	0.39	135	<5	17.8	1.6	65
S00354754	0.58	236	<5	14.8	1.5	98
S00354755	0.36	208	<5	13.8	1.2	97
S00354756	0.44	277	<5	17.4	1.8	90
S00354757	0.41	211	<5	13.5	1.3	127
S00354758	0.37	175	<5	11.7	1.2	85
S00354759	0.58	259	<5	15.7	1.5	84
S00354760	0.33	136	<5	20.0	2.5	70
S00354761	0.53	218	<5	12.2	1.4	76
S00354762	0.46	224	<5	13.6	1.5	82
S00354763	0.41	199	<5	12.5	1.5	77
S00354764	0.37	235	<5	12.4	1.3	89
S00354765	0.43	201	<5	11.4	1.2	109
S00354766	0.44	213	<5	11.0	1.0	91
S00354767	<0.01	<5	<5	2.9	0.1	12
S00354768	0.47	213	<5	14.5	1.6	89
S00354769	0.44	208	<5	15.1	1.5	89
S00354770	0.32	131	<5	8.1	0.8	118
S00354771	0.50	215	<5	14.5	1.6	93
S00354772	0.48	214	<5	15.9	1.6	97
S00354773	0.43	198	<5	13.4	1.5	74
S00354774	0.51	224	<5	15.0	1.6	94
S00354775	0.40	222	<5	14.2	1.6	92
S00354776	0.42	234	<5	15.0	1.5	91
S00354777	0.43	243	<5	15.9	1.6	92
S00354778	0.43	240	<5	15.4	1.5	94
S00354779	0.44	225	<5	13.9	1.5	102
S00354780	0.50	222	<5	13.8	1.7	114
S00354781	0.45	250	<5	15.4	1.5	116
S00354782	0.01	<5	<5	3.3	0.1	6
S00354783	0.46	244	<5	14.9	1.5	91
S00354784	0.48	280	<5	16.1	1.6	99
S00354785	0.56	300	<5	16.4	1.8	125
S00354786	0.43	233	<5	15.1	1.4	92
S00354787	0.44	236	<5	13.9	1.6	85
S00354788	0.46	217	<5	14.5	1.7	88

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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 S00354780	0.49	247	<5	14.3	1.6	123
*Std OREAS680	0.52	221	<5	15.2	1.6	2530
*Std OREAS70B	0.18	62	5	9.2	1.1	125
*Blk BLANK	<0.01	<5	<5	<0.5	<0.1	<5

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