Certificate of Analysis
Work Order : SU1700743
[Report File No.: 0000011643]

Date: September 09, 2017

To: **Richard Zemoroz**
NEW AGE METALS INC
3064 Brunet Cres.
Val Caron ON
ON P3N 1E6

P.O. No.: RV2017-0398-0411
Project No.: RIVER VALLEY PGM
Samples: 70
Received: Aug 11, 2017
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
70	SHIP	Shipping
70	G_WGH79	Weighing of samples and reporting of weights
68	G_PRP92	Weigh, Dry, to 3kg, Crush 90% -2mm, Split to 500g, Pulverise to 85% -75µm
70	GE_FAI313	@Au, Pt, Pd, FAS, ICP-AES, 30g - 5ml
70	GE_ICP14B	2 acid digest for non-organic or low sulphide <10% - ICP-OES

Storage: Pulp & Reject

REJECT STORAGE	:	RETURN
PULP STORAGE	:	RETURN

Comments:

Preparation of samples was performed at the SGS Sudbury site
Assays not suitable for commercial exchange.

Certified By : Sarah Thyret-Auber
Sarah Thyret
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

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_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.001	1	10	1	2	0.01	3	5
Units	kg	ppb	ppb	ppb	ppm	%	ppm	ppm
RV2017-0342	2.315	37	230	616	<2	2.07	<3	68
RV2017-0343	2.582	3	<10	4	<2	2.77	<3	303
RV2017-0344	2.601	3	<10	4	<2	3.29	<3	683
RV2017-0345	1.149	2	<10	<1	<2	0.08	<3	<5
RV2017-0346	2.449	5	<10	4	<2	2.45	<3	352
RV2017-0347	2.501	4	<10	<1	<2	1.27	<3	86
RV2017-0348	2.584	3	<10	1	<2	1.20	<3	51
RV2017-0349	2.676	3	<10	1	<2	1.50	<3	85
RV2017-0350	1.942	3	<10	2	<2	1.69	<3	512
RV2017-0351	2.278	3	<10	<1	<2	2.33	<3	63
RV2017-0352	2.422	3	<10	<1	<2	1.96	<3	95
RV2017-0353	2.287	3	<10	<1	<2	1.98	<3	135
RV2017-0354	2.268	3	<10	<1	<2	2.01	<3	242
RV2017-0355	2.178	2	<10	<1	<2	2.02	<3	250
RV2017-0356	1.958	3	<10	2	<2	2.83	<3	256
RV2017-0357	2.134	2	<10	3	<2	2.71	<3	583
RV2017-0358	1.734	3	<10	3	<2	2.79	<3	609
RV2017-0359	2.215	2	<10	3	<2	3.03	<3	639
RV2017-0360	2.147	2	<10	3	<2	2.34	<3	386
RV2017-0361	2.291	3	<10	4	<2	2.36	<3	244
RV2017-0362	2.194	3	<10	4	<2	3.58	<3	109
RV2017-0363	2.051	3	<10	3	<2	2.93	<3	110
RV2017-0364	2.130	6	<10	4	<2	2.73	<3	138
RV2017-0365	0.065	86	485	1555	<2	2.30	<3	77
RV2017-0366	2.093	4	<10	3	<2	2.74	<3	161
RV2017-0367	2.121	3	<10	4	<2	3.39	<3	268
RV2017-0368	1.997	2	<10	2	<2	2.50	<3	284
RV2017-0369	2.138	2	<10	2	<2	2.48	<3	356
RV2017-0370	2.202	4	<10	1	<2	2.64	<3	386
RV2017-0371	1.877	2	<10	3	<2	3.05	<3	487
RV2017-0372	1.847	4	11	22	<2	2.52	<3	728
RV2017-0373	2.125	22	63	133	<2	1.86	<3	270
RV2017-0374	2.390	23	98	259	<2	2.40	<3	313
RV2017-0375	2.248	25	109	364	<2	2.32	<3	238
*Dup RV2017-0375	<0.001	26	117	358	<2	2.58	<3	248
RV2017-0376	2.113	31	133	451	<2	1.55	<3	66
RV2017-0377	2.253	62	301	731	<2	2.91	<3	101
RV2017-0378	2.222	137	608	2129	<2	2.38	<3	79
RV2017-0379	2.228	167	474	1522	<2	2.31	<3	60
RV2017-0380	2.231	44	280	873	<2	1.33	<3	44

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Element	WtKg	@Au	Pt	Pd	Ag	Al	As	Ba
Method	G_WGH79	GE_FAI313	GE_FAI313	GE_FAI313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.001	1	10	1	2	0.01	3	5
Units	kg	ppb	ppb	ppb	ppm	%	ppm	ppm
RV2017-0381	2.315	44	211	652	<2	1.34	<3	41
RV2017-0382	2.318	63	373	959	<2	2.19	<3	270
RV2017-0383	2.411	47	250	711	<2	3.26	<3	331
RV2017-0384	2.317	26	<10	<1	<2	3.40	<3	489
RV2017-0385	0.911	3	<10	2	<2	0.04	<3	<5
RV2017-0386	2.126	45	92	347	<2	2.98	<3	355
RV2017-0387	2.293	34	156	520	<2	2.22	<3	165
RV2017-0388	2.216	12	60	130	<2	1.80	<3	111
RV2017-0389	2.196	9	27	57	<2	1.23	<3	31
RV2017-0390	1.982	11	16	25	<2	0.75	<3	22
RV2017-0391	2.192	10	76	190	<2	2.13	<3	76
RV2017-0392	2.169	13	44	81	<2	2.74	<3	65
RV2017-0393	2.175	18	65	78	<2	2.84	<3	76
RV2017-0394	2.173	10	34	35	<2	2.06	<3	38
RV2017-0395	2.082	5	21	18	<2	1.81	<3	42
RV2017-0396	2.365	7	32	35	<2	1.80	<3	38
RV2017-0397	2.162	13	97	111	<2	2.94	<3	31
RV2017-0398	2.209	15	64	80	<2	3.48	<3	29
RV2017-0399	2.398	10	64	68	<2	2.39	<3	29
RV2017-0400	2.423	7	22	25	<2	2.65	<3	39
RV2017-0401	2.103	5	34	32	<2	2.70	<3	35
RV2017-0402	2.251	5	19	18	<2	3.65	<3	68
RV2017-0403	2.368	5	26	21	<2	2.47	<3	34
RV2017-0404	1.993	5	17	18	<2	3.65	<3	49
RV2017-0405	0.067	56	227	607	<2	1.95	<3	57
RV2017-0406	2.113	7	23	23	<2	3.80	4	73
RV2017-0407	1.941	6	17	15	<2	3.61	<3	34
RV2017-0408	2.234	4	15	14	<2	2.62	6	97
RV2017-0409	2.178	6	<10	<1	<2	0.86	5	61
RV2017-0410	1.868	16	<10	<1	<2	0.87	6	46
RV2017-0411	2.299	27	<10	<1	<2	0.85	<3	51
*Rep RV2017-0360		2	<10	3				
*Rep RV2017-0383		46	232	659				
*Rep RV2017-0358					<2	2.76	<3	596
*Rep RV2017-0402					<2	3.66	<3	68

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Element	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.5	5	0.01	1	1	1	0.5	0.01
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%
RV2017-0342	<0.5	<5	0.89	<1	39	132	807	3.39
RV2017-0343	<0.5	<5	0.83	<1	42	337	81.8	5.07
RV2017-0344	<0.5	<5	0.51	<1	42	360	86.7	5.78
RV2017-0345	<0.5	<5	0.01	<1	<1	51	6.4	0.43
RV2017-0346	<0.5	<5	0.63	<1	37	274	97.4	4.48
RV2017-0347	<0.5	<5	1.14	<1	17	161	28.8	2.34
RV2017-0348	<0.5	<5	0.84	<1	16	182	22.4	1.95
RV2017-0349	<0.5	<5	0.81	<1	19	205	26.6	2.50
RV2017-0350	<0.5	<5	0.54	<1	24	155	88.4	2.99
RV2017-0351	<0.5	<5	1.71	<1	33	73	98.8	3.67
RV2017-0352	<0.5	<5	1.40	<1	30	125	75.0	3.30
RV2017-0353	<0.5	<5	1.68	<1	29	91	93.2	3.34
RV2017-0354	<0.5	<5	1.51	<1	22	117	51.0	3.09
RV2017-0355	<0.5	<5	1.34	<1	18	199	4.4	3.49
RV2017-0356	<0.5	<5	0.62	<1	33	367	67.2	4.83
RV2017-0357	<0.5	<5	0.56	<1	34	338	79.0	4.96
RV2017-0358	<0.5	<5	0.57	<1	42	283	156	5.32
RV2017-0359	<0.5	<5	0.50	<1	32	309	80.3	5.38
RV2017-0360	<0.5	<5	0.56	<1	27	216	68.2	4.10
RV2017-0361	<0.5	<5	0.90	<1	27	242	52.8	4.30
RV2017-0362	<0.5	<5	0.36	<1	50	406	109	6.38
RV2017-0363	<0.5	<5	0.62	<1	44	388	126	5.58
RV2017-0364	<0.5	<5	0.49	<1	46	408	150	5.23
RV2017-0365	<0.5	<5	1.28	<1	44	142	1329	3.04
RV2017-0366	<0.5	<5	0.49	<1	46	350	151	5.03
RV2017-0367	<0.5	<5	0.44	<1	46	369	109	6.03
RV2017-0368	<0.5	<5	0.83	<1	21	227	23.8	4.18
RV2017-0369	<0.5	<5	0.79	<1	27	259	75.6	4.35
RV2017-0370	<0.5	<5	0.96	<1	33	208	83.3	4.77
RV2017-0371	<0.5	<5	0.68	<1	33	385	92.0	5.28
RV2017-0372	<0.5	<5	1.85	<1	24	44	103	4.57
RV2017-0373	<0.5	<5	0.97	<1	31	118	668	3.36
RV2017-0374	<0.5	<5	0.72	<1	50	169	699	4.86
RV2017-0375	<0.5	<5	1.07	<1	33	115	544	3.73
*Dup RV2017-0375	<0.5	<5	1.07	<1	34	125	592	3.98
RV2017-0376	<0.5	<5	0.92	<1	30	151	919	3.08
RV2017-0377	<0.5	<5	0.49	<1	45	162	1495	5.13
RV2017-0378	<0.5	<5	1.08	<1	58	83	2732	4.46
RV2017-0379	<0.5	<5	0.88	<1	52	129	2513	4.62
RV2017-0380	<0.5	<5	0.94	<1	34	68	1682	2.69

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Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.5	5	0.01	1	1	1	0.5	0.01
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%
RV2017-0381	<0.5	<5	0.81	<1	31	96	1523	2.71
RV2017-0382	<0.5	<5	0.74	<1	41	184	1373	3.98
RV2017-0383	<0.5	<5	0.52	<1	57	329	989	5.32
RV2017-0384	<0.5	<5	0.48	<1	54	244	1267	5.30
RV2017-0385	<0.5	<5	<0.01	<1	<1	31	7.9	0.43
RV2017-0386	<0.5	<5	0.55	<1	40	100	1067	4.40
RV2017-0387	<0.5	<5	0.62	<1	31	172	711	3.24
RV2017-0388	<0.5	<5	0.70	<1	26	124	259	2.59
RV2017-0389	<0.5	<5	0.55	<1	16	43	203	1.64
RV2017-0390	<0.5	<5	0.42	<1	12	30	277	1.25
RV2017-0391	<0.5	<5	0.83	<1	26	63	140	2.79
RV2017-0392	<0.5	<5	0.66	<1	40	48	232	4.10
RV2017-0393	<0.5	<5	0.85	<1	43	58	349	4.22
RV2017-0394	<0.5	<5	0.96	<1	31	73	232	3.51
RV2017-0395	<0.5	<5	1.71	<1	16	101	73.5	2.66
RV2017-0396	<0.5	<5	1.38	<1	17	82	119	2.49
RV2017-0397	<0.5	<5	1.43	<1	33	74	215	3.43
RV2017-0398	<0.5	<5	0.98	<1	40	50	305	3.52
RV2017-0399	<0.5	<5	1.16	<1	18	58	149	1.98
RV2017-0400	<0.5	<5	1.53	<1	22	111	118	2.45
RV2017-0401	<0.5	<5	1.61	<1	18	76	73.4	2.41
RV2017-0402	<0.5	<5	1.65	<1	19	51	66.8	2.32
RV2017-0403	<0.5	<5	1.50	<1	17	88	82.7	2.12
RV2017-0404	<0.5	<5	2.09	<1	14	37	70.7	2.01
RV2017-0405	<0.5	<5	0.82	<1	43	124	1307	2.58
RV2017-0406	<0.5	<5	1.82	<1	24	41	145	2.96
RV2017-0407	<0.5	<5	1.61	<1	30	93	102	3.70
RV2017-0408	<0.5	<5	0.86	<1	20	44	58.2	2.53
RV2017-0409	<0.5	<5	0.11	<1	19	26	52.1	1.25
RV2017-0410	<0.5	<5	0.08	<1	24	29	33.5	1.47
RV2017-0411	<0.5	<5	0.09	<1	19	26	31.7	1.37
*Rep RV2017-0358	<0.5	<5	0.53	<1	42	277	156	5.24
*Rep RV2017-0402	<0.5	<5	1.67	<1	19	52	67.1	2.33

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Element	Hg	K	La	Li	Mg	Mn	Mo	Na
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	0.5	1	0.01	2	1	0.01
Units	ppm	%	ppm	ppm	%	ppm	ppm	%
RV2017-0342	<1	0.21	2.8	17	1.88	358	<1	0.17
RV2017-0343	<1	0.61	13.3	23	2.75	478	<1	0.14
RV2017-0344	<1	0.99	8.8	30	3.29	541	<1	0.11
RV2017-0345	<1	0.04	3.5	<1	<0.01	41	4	0.03
RV2017-0346	<1	0.50	11.2	27	2.46	441	<1	0.12
RV2017-0347	<1	0.16	10.2	15	1.54	312	<1	0.12
RV2017-0348	<1	0.10	9.0	17	1.47	235	<1	0.09
RV2017-0349	<1	0.14	10.4	21	1.82	298	1	0.09
RV2017-0350	<1	0.61	14.9	15	1.53	273	3	0.12
RV2017-0351	<1	0.12	2.4	21	2.03	446	<1	0.20
RV2017-0352	<1	0.18	6.0	20	1.87	382	<1	0.18
RV2017-0353	<1	0.20	10.0	19	1.71	385	<1	0.19
RV2017-0354	<1	0.29	10.7	19	1.69	370	<1	0.20
RV2017-0355	<1	0.30	9.6	22	2.16	432	<1	0.16
RV2017-0356	<1	0.33	8.5	29	3.01	521	<1	0.12
RV2017-0357	<1	0.62	8.3	24	2.70	475	1	0.14
RV2017-0358	<1	0.70	11.1	22	2.66	479	1	0.14
RV2017-0359	<1	0.68	14.1	27	2.96	537	2	0.13
RV2017-0360	<1	0.45	23.3	22	2.27	418	1	0.12
RV2017-0361	<1	0.45	13.6	18	2.26	433	<1	0.16
RV2017-0362	<1	0.27	6.3	28	3.67	624	2	0.10
RV2017-0363	1	0.23	9.1	27	3.03	538	<1	0.14
RV2017-0364	<1	0.29	6.1	23	2.82	517	<1	0.11
RV2017-0365	<1	0.23	4.8	10	2.12	236	<1	0.28
RV2017-0366	<1	0.31	11.3	23	2.64	506	1	0.13
RV2017-0367	<1	0.46	10.1	26	3.38	608	1	0.11
RV2017-0368	<1	0.49	12.7	20	2.30	464	<1	0.15
RV2017-0369	<1	0.54	7.3	19	2.31	467	<1	0.14
RV2017-0370	<1	0.53	6.2	22	2.52	510	<1	0.13
RV2017-0371	<1	0.62	5.4	25	3.04	561	<1	0.12
RV2017-0372	<1	0.88	20.0	23	2.09	457	<1	0.13
RV2017-0373	<1	0.63	6.5	14	1.41	362	2	0.19
RV2017-0374	<1	0.66	2.6	20	2.25	478	<1	0.10
RV2017-0375	<1	0.47	2.4	17	1.84	408	<1	0.19
*Dup RV2017-0375	<1	0.50	2.5	16	1.99	446	<1	0.22
RV2017-0376	<1	0.16	2.9	12	1.53	361	<1	0.11
RV2017-0377	<1	0.25	3.1	21	2.93	534	<1	0.09
RV2017-0378	<1	0.21	3.0	15	1.80	407	<1	0.21
RV2017-0379	<1	0.16	2.0	15	2.12	449	<1	0.14
RV2017-0380	<1	0.10	2.3	9	1.04	313	<1	0.13

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Element	Hg	K	La	Li	Mg	Mn	Mo	Na
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	0.5	1	0.01	2	1	0.01
Units	ppm	%	ppm	ppm	%	ppm	ppm	%
RV2017-0381	<1	0.11	4.1	10	1.19	300	<1	0.09
RV2017-0382	<1	0.81	5.2	17	1.93	395	<1	0.09
RV2017-0383	<1	1.04	3.7	23	2.87	523	<1	0.09
RV2017-0384	<1	1.64	4.5	27	2.97	532	<1	0.10
RV2017-0385	<1	0.02	4.1	<1	0.01	45	3	0.01
RV2017-0386	<1	1.05	5.7	24	2.55	502	<1	0.11
RV2017-0387	<1	0.56	7.4	18	2.02	345	<1	0.15
RV2017-0388	<1	0.68	7.0	13	1.40	253	2	0.19
RV2017-0389	<1	0.22	13.8	8	0.92	160	2	0.16
RV2017-0390	<1	0.25	13.1	6	0.62	123	7	0.10
RV2017-0391	<1	0.50	2.3	15	1.80	263	6	0.20
RV2017-0392	<1	0.41	1.5	20	2.77	372	<1	0.13
RV2017-0393	<1	0.45	1.9	19	2.82	385	<1	0.17
RV2017-0394	<1	0.24	3.6	18	2.07	367	2	0.12
RV2017-0395	<1	0.15	1.6	11	1.18	389	2	0.21
RV2017-0396	<1	0.19	1.5	11	1.22	331	2	0.17
RV2017-0397	<1	0.25	1.6	18	2.34	398	<1	0.27
RV2017-0398	<1	0.32	2.7	18	2.56	381	<1	0.17
RV2017-0399	<1	0.17	1.0	10	1.18	249	<1	0.20
RV2017-0400	<1	0.24	1.1	10	1.38	323	2	0.24
RV2017-0401	<1	0.16	2.9	23	1.47	322	<1	0.25
RV2017-0402	<1	0.32	1.0	13	1.45	266	<1	0.32
RV2017-0403	<1	0.16	1.5	13	1.12	283	<1	0.25
RV2017-0404	<1	0.22	1.0	14	1.12	249	<1	0.36
RV2017-0405	<1	0.18	2.8	8	2.03	212	<1	0.11
RV2017-0406	<1	0.41	1.5	25	1.83	347	<1	0.25
RV2017-0407	<1	0.18	2.0	35	2.47	468	<1	0.21
RV2017-0408	<1	0.60	4.6	20	1.48	304	<1	0.11
RV2017-0409	<1	0.47	9.6	9	0.39	109	2	<0.01
RV2017-0410	<1	0.32	8.0	10	0.43	130	2	<0.01
RV2017-0411	<1	0.35	5.1	9	0.38	119	2	<0.01
*Rep RV2017-0358	<1	0.70	10.7	22	2.66	464	1	0.14
*Rep RV2017-0402	<1	0.32	1.0	13	1.47	267	<1	0.32

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Element	Ni	P	Pb	S	Sb	Sc	Sn	Sr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	2	0.01	5	0.5	10	0.5
Units	ppm	%	ppm	%	ppm	ppm	ppm	ppm
RV2017-0342	278	<0.01	<2	0.33	<5	5.1	<10	46.0
RV2017-0343	165	0.05	3	0.51	<5	8.9	<10	59.9
RV2017-0344	177	0.02	<2	0.21	<5	8.4	<10	41.0
RV2017-0345	5	<0.01	<2	<0.01	<5	<0.5	<10	5.7
RV2017-0346	148	0.02	<2	0.21	<5	7.7	<10	51.8
RV2017-0347	62	0.15	<2	0.04	<5	7.1	<10	55.6
RV2017-0348	63	0.08	<2	0.02	<5	4.3	<10	42.9
RV2017-0349	83	0.10	<2	0.05	<5	4.6	<10	46.1
RV2017-0350	104	0.03	13	0.22	<5	5.4	<10	69.5
RV2017-0351	49	0.18	<2	0.26	<5	6.1	<10	145
RV2017-0352	64	0.15	<2	0.22	<5	6.5	<10	92.6
RV2017-0353	51	0.21	2	0.24	<5	6.1	<10	132
RV2017-0354	45	0.22	<2	0.13	<5	5.6	<10	129
RV2017-0355	66	0.15	<2	<0.01	<5	7.2	<10	73.1
RV2017-0356	150	0.07	3	0.17	<5	6.0	<10	35.1
RV2017-0357	165	0.01	4	0.30	<5	8.1	<10	41.5
RV2017-0358	163	0.01	3	0.54	<5	9.4	<10	43.6
RV2017-0359	156	0.01	3	0.28	<5	10.4	<10	49.7
RV2017-0360	125	0.03	9	0.27	<5	8.2	<10	62.7
RV2017-0361	120	0.05	2	0.16	<5	9.3	<10	75.4
RV2017-0362	216	<0.01	4	0.38	<5	9.7	<10	40.3
RV2017-0363	177	0.01	7	0.59	<5	8.0	<10	63.0
RV2017-0364	207	0.01	3	0.56	<5	5.5	<10	44.0
RV2017-0365	380	0.01	5	0.41	<5	5.8	<10	50.9
RV2017-0366	171	0.01	3	0.45	<5	5.6	<10	63.8
RV2017-0367	199	0.02	3	0.40	<5	8.3	<10	58.4
RV2017-0368	116	0.09	<2	0.08	<5	6.3	<10	103
RV2017-0369	105	0.09	<2	0.34	<5	5.2	<10	80.3
RV2017-0370	81	0.13	<2	0.46	<5	5.8	<10	76.4
RV2017-0371	135	0.08	<2	0.42	<5	5.6	<10	62.6
RV2017-0372	38	0.43	3	0.27	<5	5.7	<10	166
RV2017-0373	180	0.02	3	0.31	<5	6.0	<10	60.7
RV2017-0374	345	0.01	<2	0.44	<5	5.7	<10	24.2
RV2017-0375	183	0.01	<2	0.25	<5	4.4	<10	58.2
*Dup RV2017-0375	188	0.01	<2	0.24	<5	5.3	<10	69.5
RV2017-0376	231	0.02	<2	0.30	<5	5.6	<10	28.9
RV2017-0377	342	0.01	2	0.34	<5	3.3	<10	24.8
RV2017-0378	726	0.02	3	0.85	<5	4.7	<10	69.1
RV2017-0379	559	0.02	<2	0.67	<5	5.4	<10	38.7
RV2017-0380	317	0.02	<2	0.50	<5	5.7	<10	30.6

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Element	Ni	P	Pb	S	Sb	Sc	Sn	Sr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	2	0.01	5	0.5	10	0.5
Units	ppm	%	ppm	%	ppm	ppm	ppm	ppm
RV2017-0381	256	0.02	<2	0.41	<5	5.0	<10	23.0
RV2017-0382	304	0.02	<2	0.41	<5	5.8	<10	24.9
RV2017-0383	373	0.01	2	0.56	<5	4.4	<10	30.0
RV2017-0384	385	0.01	2	0.47	<5	4.6	<10	23.7
RV2017-0385	5	<0.01	<2	<0.01	<5	<0.5	<10	7.3
RV2017-0386	234	0.02	3	0.30	<5	3.2	<10	34.6
RV2017-0387	226	0.01	2	0.21	<5	3.8	<10	50.2
RV2017-0388	161	0.02	4	0.18	<5	3.4	<10	61.1
RV2017-0389	72	0.02	4	0.05	<5	2.4	<10	48.3
RV2017-0390	49	0.04	6	0.06	<5	3.1	<10	23.5
RV2017-0391	105	<0.01	<2	0.04	<5	3.6	<10	43.8
RV2017-0392	165	<0.01	<2	0.05	<5	3.5	<10	26.9
RV2017-0393	186	<0.01	<2	0.09	<5	4.6	<10	34.1
RV2017-0394	126	0.02	5	0.10	<5	5.3	<10	26.8
RV2017-0395	39	0.02	3	0.03	<5	8.3	<10	46.3
RV2017-0396	50	0.02	2	0.04	<5	6.0	<10	39.5
RV2017-0397	148	0.01	3	0.07	<5	4.7	<10	59.3
RV2017-0398	169	0.01	3	0.12	<5	2.8	<10	41.8
RV2017-0399	61	0.02	3	0.04	<5	2.7	<10	42.5
RV2017-0400	67	0.02	4	0.07	<5	4.9	<10	45.0
RV2017-0401	47	0.02	<2	0.03	<5	5.1	<10	50.1
RV2017-0402	49	0.01	2	0.03	<5	2.6	<10	65.8
RV2017-0403	46	0.02	2	0.04	<5	4.3	<10	47.8
RV2017-0404	34	0.01	3	0.02	<5	3.2	<10	79.1
RV2017-0405	292	<0.01	2	0.41	<5	4.8	<10	24.6
RV2017-0406	52	0.02	3	0.04	<5	4.8	<10	82.4
RV2017-0407	80	0.01	5	0.06	<5	5.7	<10	55.8
RV2017-0408	46	0.01	3	0.03	<5	3.3	<10	37.3
RV2017-0409	32	0.02	4	0.20	<5	1.2	<10	5.9
RV2017-0410	40	0.02	4	0.28	<5	1.3	<10	5.2
RV2017-0411	31	0.02	4	0.25	<5	1.2	<10	5.1
*Rep RV2017-0358	161	0.01	3	0.55	<5	8.9	<10	42.2
*Rep RV2017-0402	49	0.01	3	0.03	<5	2.6	<10	66.2

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Element	Ti	V	W	Y	Zn	Zr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	1	10	0.5	1	0.5
Units	%	ppm	ppm	ppm	ppm	ppm
RV2017-0342	0.08	53	<10	2.2	57	1.1
RV2017-0343	0.18	129	<10	4.1	85	1.7
RV2017-0344	0.23	155	<10	1.9	106	0.7
RV2017-0345	<0.01	<1	<10	0.5	1	6.1
RV2017-0346	0.19	108	<10	3.4	82	1.3
RV2017-0347	0.14	53	<10	8.3	42	3.3
RV2017-0348	0.12	39	<10	6.1	36	3.3
RV2017-0349	0.11	42	<10	7.6	49	7.2
RV2017-0350	0.17	85	<10	3.3	59	2.1
RV2017-0351	0.15	85	<10	3.2	65	0.5
RV2017-0352	0.15	73	<10	4.6	59	1.1
RV2017-0353	0.17	79	<10	6.6	54	2.2
RV2017-0354	0.17	78	<10	6.2	54	1.5
RV2017-0355	0.18	77	<10	7.4	65	1.4
RV2017-0356	0.12	79	<10	3.2	102	0.8
RV2017-0357	0.17	116	<10	1.9	96	1.1
RV2017-0358	0.18	137	<10	2.3	97	1.1
RV2017-0359	0.21	137	<10	3.2	110	0.9
RV2017-0360	0.12	79	<10	4.8	94	1.6
RV2017-0361	0.20	109	<10	4.5	75	2.9
RV2017-0362	0.15	185	<10	1.5	140	<0.5
RV2017-0363	0.16	129	<10	1.6	113	0.8
RV2017-0364	0.13	111	<10	1.1	113	<0.5
RV2017-0365	0.06	42	<10	1.7	55	1.5
RV2017-0366	0.11	99	<10	1.9	100	0.6
RV2017-0367	0.18	151	<10	2.5	125	<0.5
RV2017-0368	0.19	79	<10	4.7	86	1.3
RV2017-0369	0.15	91	<10	2.6	90	0.6
RV2017-0370	0.17	106	<10	3.0	100	0.9
RV2017-0371	0.14	84	<10	1.7	112	<0.5
RV2017-0372	0.24	116	<10	9.9	135	1.6
RV2017-0373	0.15	75	<10	4.9	58	2.8
RV2017-0374	0.15	80	<10	2.2	68	1.0
RV2017-0375	0.12	66	<10	1.9	57	0.8
*Dup RV2017-0375	0.12	74	<10	2.1	62	1.1
RV2017-0376	0.15	59	<10	4.1	55	1.4
RV2017-0377	0.09	47	<10	2.1	93	1.2
RV2017-0378	0.12	59	<10	3.5	80	1.1
RV2017-0379	0.11	60	<10	2.7	84	<0.5
RV2017-0380	0.09	49	<10	3.1	55	1.8

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Final : SU1700743 Order: RV2017-0398-0411

Report File No.: 0000011643

Element	Ti	V	W	Y	Zn	Zr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	1	10	0.5	1	0.5
Units	%	ppm	ppm	ppm	ppm	ppm
RV2017-0381	0.11	47	<10	4.0	50	2.0
RV2017-0382	0.18	76	<10	4.7	68	2.7
RV2017-0383	0.16	79	<10	3.0	74	0.9
RV2017-0384	0.17	86	<10	2.6	84	1.4
RV2017-0385	<0.01	<1	<10	<0.5	2	3.4
RV2017-0386	0.15	74	<10	2.4	72	1.9
RV2017-0387	0.09	37	<10	3.0	53	4.1
RV2017-0388	0.08	32	<10	4.1	31	5.8
RV2017-0389	0.06	15	<10	6.6	19	7.6
RV2017-0390	0.06	13	<10	10.0	18	6.0
RV2017-0391	0.07	31	<10	1.9	29	1.4
RV2017-0392	0.06	30	<10	1.4	41	0.6
RV2017-0393	0.07	38	<10	1.9	46	1.2
RV2017-0394	0.09	44	<10	3.9	70	2.5
RV2017-0395	0.11	56	<10	3.8	36	2.8
RV2017-0396	0.10	47	<10	3.0	35	2.0
RV2017-0397	0.07	38	<10	2.4	50	1.5
RV2017-0398	0.06	39	<10	1.8	54	1.6
RV2017-0399	0.05	29	<10	1.5	31	1.1
RV2017-0400	0.09	46	<10	2.3	37	2.3
RV2017-0401	0.09	48	<10	3.2	27	2.6
RV2017-0402	0.06	32	<10	1.3	36	0.9
RV2017-0403	0.08	41	<10	2.4	27	1.8
RV2017-0404	0.09	42	<10	1.8	30	1.4
RV2017-0405	0.04	30	<10	1.0	34	1.2
RV2017-0406	0.11	51	<10	2.4	44	2.2
RV2017-0407	0.11	57	<10	2.6	57	2.8
RV2017-0408	0.08	35	<10	2.3	40	3.5
RV2017-0409	0.04	6	<10	4.3	16	9.8
RV2017-0410	0.02	6	<10	5.3	15	11.8
RV2017-0411	0.02	5	<10	3.7	14	7.9
*Rep RV2017-0358	0.18	132	<10	2.2	98	0.8
*Rep RV2017-0402	0.06	32	<10	1.3	35	1.2

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