

CLIENT NAME: MISC AGAT CLIENT ON, ON
(403)

ATTENTION TO: Kevin Stagg

PROJECT:

AGAT WORK ORDER: 16T119994

SOLID ANALYSIS REVIEWED BY: Brandon Wang, Spectroscopy Supervisor

DATE REPORTED: Aug 18, 2016

PAGES (INCLUDING COVER): 16

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 16T119994
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-079) Sodium Peroxide Fusion - ICP-OES finish															
DATE SAMPLED: Jul 27, 2016			DATE RECEIVED: Jul 27, 2016					DATE REPORTED: Aug 18, 2016							
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Al %	As %	B %	Ca %	Co %	Cr %	Cu %	Fe %	K %	Li %	SAMPLE TYPE: Rock			
												Mg %	Mn %	Mo %	N %
38901 (7733460)		7.39	<0.005	<0.01	0.45	<0.001	<0.005	0.001	0.01	3.49	<0.01	0.308	0.023	<0.005	0.001
38902 (7733461)		7.39	<0.005	<0.01	0.99	<0.001	<0.005	<0.001	2.03	3.07	<0.01	0.365	0.027	<0.005	0.001
38903 (7733462)		7.15	<0.005	<0.01	0.92	<0.001	<0.005	0.001	1.98	2.91	<0.01	0.365	0.022	<0.005	0.001
38904 (7733463)		7.53	<0.005	<0.01	0.75	<0.001	<0.005	<0.001	2.19	2.90	<0.01	0.382	0.034	<0.005	0.002
38905 (7733464)		7.89	<0.005	<0.01	4.30	0.002	0.023	0.005	4.13	0.81	<0.01	2.18	0.062	<0.005	0.013
38906 (7733465)		6.28	<0.005	<0.01	0.93	<0.001	<0.005	<0.001	1.71	2.49	<0.01	0.302	0.030	<0.005	0.001
38907 (7733466)		5.69	<0.005	<0.01	0.35	<0.001	<0.005	<0.001	1.73	3.88	<0.01	0.242	0.016	<0.005	0.001
38908 (7733467)		2.81	<0.005	<0.01	0.39	0.001	<0.005	0.002	1.62	0.73	<0.01	0.339	0.174	<0.005	0.003
38909 (7733468)		6.20	<0.005	<0.01	0.60	<0.001	0.008	0.002	4.74	0.65	<0.01	0.437	0.034	<0.005	0.003
38910 (7733469)		8.61	<0.005	<0.01	4.14	0.002	0.007	0.006	4.35	0.49	<0.01	1.76	0.060	<0.005	0.005
38911 (7733470)		7.27	<0.005	<0.01	1.81	<0.001	<0.005	<0.001	2.43	2.90	<0.01	0.334	0.046	<0.005	0.001
38912 (7733471)		8.64	<0.005	<0.01	7.08	0.005	0.013	0.006	8.42	0.25	<0.01	4.69	0.132	<0.005	0.009
38913 (7733472)		6.40	<0.005	<0.01	0.96	<0.001	<0.005	<0.001	1.86	3.14	<0.01	0.286	0.028	<0.005	0.001
38914 (7733473)		7.88	<0.005	<0.01	4.62	0.002	<0.005	0.001	7.53	0.99	<0.01	2.33	0.150	<0.005	0.002
38915 (7733474)		6.98	<0.005	<0.01	1.92	<0.001	<0.005	<0.001	2.36	0.63	<0.01	0.513	0.045	<0.005	0.002
38916 (7733475)		7.33	<0.005	<0.01	0.90	<0.001	<0.005	0.001	2.22	3.99	<0.01	0.272	0.023	<0.005	0.001
38917 (7733476)		6.94	<0.005	<0.01	3.57	0.002	<0.005	0.001	4.83	0.53	<0.01	1.60	0.110	<0.005	0.002
38918 (7733477)		7.29	<0.005	<0.01	2.06	0.001	0.006	0.001	3.76	1.87	<0.01	1.06	0.074	<0.005	0.003
38919 (7733478)		6.59	<0.005	<0.01	<0.05	<0.001	<0.005	<0.001	1.63	3.62	<0.01	0.081	0.016	<0.005	0.001
38920 (7733479)		6.53	<0.005	<0.01	<0.05	<0.001	<0.005	<0.001	1.50	4.48	<0.01	0.070	0.005	<0.005	0.001
38921 (7733480)		NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC
38922 (7733481)		6.47	<0.005	<0.01	0.18	<0.001	<0.005	<0.001	1.51	1.63	<0.01	0.246	0.018	<0.005	0.002
38923 (7733482)		6.67	<0.005	<0.01	0.11	<0.001	<0.005	<0.001	1.68	1.93	<0.01	0.328	0.016	<0.005	0.001
38924 (7733483)		7.36	0.006	<0.01	<0.05	<0.001	<0.005	<0.001	1.65	0.71	<0.01	0.060	0.006	<0.005	0.004
38925 (7733484)		7.26	0.010	<0.01	0.47	<0.001	<0.005	<0.001	2.00	2.49	<0.01	0.185	0.019	<0.005	0.001
38926 (7733485)		7.24	0.006	<0.01	0.18	<0.001	<0.005	<0.001	2.44	3.18	<0.01	0.312	0.028	<0.005	0.002
38927 (7733486)		6.13	0.010	<0.01	0.07	<0.001	<0.005	<0.001	1.79	0.65	<0.01	0.134	0.010	<0.005	0.001
Mystery Rock 1 (7733487)		2.29	<0.005	<0.01	6.95	0.002	<0.005	0.005	14.1	0.33	<0.01	1.31	0.046	<0.005	0.014

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 16T119994
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-079) Sodium Peroxide Fusion - ICP-OES finish									
DATE SAMPLED: Jul 27, 2016				DATE RECEIVED: Jul 27, 2016			DATE REPORTED: Aug 18, 2016		
Analyte: Unit: RDL:				Pb %	S %	Si %	Sn %	Ti %	V %
Sample ID (AGAT ID)									
38901 (7733460)				<0.005	0.01	0.005	<0.005	0.005	0.005
38902 (7733461)				<0.005	<0.01	34.8	<0.005	0.262	<0.005
38903 (7733462)				<0.005	0.03	34.7	<0.005	0.266	<0.01
38904 (7733463)				<0.005	<0.01	34.8	<0.005	0.267	<0.01
38905 (7733464)				<0.005	0.06	34.6	<0.005	0.272	<0.01
38906 (7733465)				<0.005	0.04	29.5	<0.005	0.424	<0.01
38907 (7733466)				<0.005	0.30	36.3	<0.005	0.257	<0.01
38908 (7733467)				<0.005	0.90	36.2	<0.005	0.211	<0.01
38909 (7733468)				<0.005	<0.01	41.1	<0.005	0.192	<0.01
38910 (7733469)				<0.005	0.02	30.3	<0.005	0.786	<0.01
38911 (7733470)				<0.005	0.04	28.3	<0.005	0.664	<0.01
38912 (7733471)				<0.005	0.01	34.2	<0.005	0.273	<0.01
38913 (7733472)				<0.005	0.16	22.9	<0.005	1.15	<0.01
38914 (7733473)				<0.005	0.53	36.4	<0.005	0.250	<0.01
38915 (7733474)				<0.005	0.06	25.5	<0.005	1.35	<0.01
38916 (7733475)				<0.005	0.05	34.0	<0.005	0.354	<0.01
38917 (7733476)				<0.005	0.03	33.5	<0.005	0.215	<0.01
38918 (7733477)				<0.005	0.25	30.2	<0.005	0.765	<0.01
38919 (7733478)				<0.005	0.20	31.5	<0.005	0.490	<0.01
38920 (7733479)				<0.005	0.37	34.9	<0.005	0.113	<0.01
38921 (7733480)				<0.005	0.11	35.6	<0.005	0.113	<0.01
38922 (7733481)				<0.005	NRC	NRC	NRC	NRC	NRC
38923 (7733482)				<0.005	0.34	35.8	<0.005	0.114	<0.01
38924 (7733483)				<0.005	0.27	36.4	<0.005	0.119	<0.01
38925 (7733484)				<0.005	0.35	34.9	<0.005	0.147	<0.01
38926 (7733485)				<0.005	0.89	34.1	<0.005	0.258	<0.01
38927 (7733486)				<0.005	0.68	33.9	<0.005	0.277	<0.01
Mystery Rock 1 (7733487)				<0.005	0.30	38.1	<0.005	0.220	<0.01
					14.2	19.4	<0.005	0.100	<0.01

Comments: RDL - Reported Detection Limit

Certified By:



AGAT
Laboratories

Certificate of Analysis

AGAT WORK ORDER: 16T119994

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jul 27, 2016				DATE RECEIVED: Jul 27, 2016				DATE REPORTED: Aug 18, 2016				SAMPLE TYPE: Rock			
Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
RDL:	1	0.01	30	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5	
Sample ID (AGAT ID)															
38901 (7733460)	6	7.39	33	<20	697	6	2.2	0.45	<0.2	69.0	3.6	<0.005	0.5	30	
38902 (7733461)	1	7.39	<30	<20	581	6	3.0	0.99	<0.2	67.6	3.8	<0.005	0.5	5	
38903 (7733462)	1	7.15	<30	<20	601	6	6.2	0.92	<0.2	68.4	3.4	<0.005	0.4	10	
38904 (7733463)	1	7.53	<30	<20	599	7	3.1	0.75	<0.2	71.8	3.3	<0.005	0.5	6	
38905 (7733464)	<1	7.89	<30	<20	361	8	0.5	4.30	<0.2	31.6	21.8	0.023	0.2	54	
38906 (7733465)	<1	6.28	<30	<20	839	5	0.5	0.93	<0.2	59.9	1.9	<0.005	1.0	7	
38907 (7733466)	<1	5.69	<30	<20	959	<5	2.1	0.35	<0.2	48.2	2.6	<0.005	1.4	<5	
38908 (7733467)	1	2.81	<30	<20	247	<5	4.5	0.39	<0.2	33.9	9.9	<0.005	0.6	16	
38909 (7733468)	<1	6.20	<30	<20	257	13	0.6	0.60	<0.2	28.7	6.5	0.008	0.6	16	
38910 (7733469)	1	8.61	<30	<20	240	11	6.9	4.14	<0.2	37.8	19.0	0.007	0.3	58	
38911 (7733470)	1	7.27	<30	<20	760	6	0.2	1.81	<0.2	69.6	3.4	<0.005	1.0	<5	
38912 (7733471)	1	8.64	<30	<20	79.0	19	0.1	7.08	<0.2	18.7	51.5	0.013	0.6	62	
38913 (7733472)	1	6.40	<30	<20	921	5	3.0	0.96	<0.2	54.8	2.1	<0.005	0.9	6	
38914 (7733473)	<1	7.88	<30	<20	282	22	0.2	4.62	<0.2	49.9	19.5	<0.005	0.4	12	
38915 (7733474)	<1	6.98	<30	<20	177	8	0.2	1.92	<0.2	44.6	4.6	<0.005	<0.1	5	
38916 (7733475)	<1	7.33	<30	<20	1240	6	0.7	0.90	<0.2	72.1	2.2	<0.005	0.5	12	
38917 (7733476)	2	6.94	<30	<20	332	13	0.2	3.57	<0.2	42.5	17.2	<0.005	0.3	12	
38918 (7733477)	1	7.29	<30	<20	423	11	0.2	2.06	0.2	57.7	12.6	0.006	1.2	13	
38919 (7733478)	1	6.59	<30	<20	152	6	0.5	<0.05	<0.2	98.4	0.7	<0.005	0.5	<5	
38920 (7733479)	2	6.53	42	<20	151	6	0.5	<0.05	<0.2	18.3	0.5	<0.005	0.5	5	
38921 (7733480)	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	
38922 (7733481)	2	6.47	47	<20	331	7	0.3	0.18	<0.2	44.3	0.7	<0.005	0.5	5	
38923 (7733482)	2	6.67	<30	<20	590	6	0.3	0.11	<0.2	52.6	0.6	<0.005	0.6	5	
38924 (7733483)	<1	7.36	62	<20	184	5	1.1	<0.05	<0.2	15.1	1.8	<0.005	0.1	<5	
38925 (7733484)	<1	7.26	97	<20	692	7	0.9	0.47	<0.2	51.5	2.8	<0.005	0.3	<5	
38926 (7733485)	<1	7.24	61	<20	550	7	0.4	0.18	<0.2	20.0	2.8	<0.005	0.7	9	
38927 (7733486)	1	6.13	97	<20	207	6	1.8	0.07	<0.2	12.7	1.0	<0.005	0.2	<5	
Mystery Rock 1 (7733487)	2	2.29	<30	<20	81.6	<5	<0.1	6.95	12.4	58.9	20.4	<0.005	0.3	54	
Mystery Rock 2 (7733488)	1	6.56	<30	<20	460	5	<0.1	0.60	<0.2	27.8	3.0	<0.005	2.2	236	

Certified By:



Laboratories

AGAT WORK ORDER: 16T119994
PROJECT:

ATTENTION TO: Kevin Stagg

Certified By:

[Handwritten signature]



Laboratories

Certificate of Analysis

AGAT WORK ORDER: 16T119994

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish																			
DATE SAMPLED: Jul 27, 2016				DATE RECEIVED: Jul 27, 2016					DATE REPORTED: Aug 18, 2016					SAMPLE TYPE: Rock					
Sample ID (AGAT ID)	Analyte: Unit:	Mg %	Mn ppm	Mo ppm	Nb ppm	Nd ppm	Ni ppm	P %	Pb ppm	Pr ppm	Rb ppm	S %	Sb ppm	Sc ppm	Si %				
	RDL:																		
38901 (7733460)		0.31	225	<2	12	27.8	6	0.03	14	8.43	107	<0.01	1.8	51	34.8				
38902 (7733461)		0.37	273	<2	13	26.7	6	0.04	10	7.97	84.1	0.03	2.5	54	34.7				
38903 (7733462)		0.36	217	33	13	26.2	6	0.04	16	7.88	85.7	<0.01	2.0	53	34.8				
38904 (7733463)		0.38	335	<2	13	27.6	10	0.03	12	8.31	95.0	0.06	0.5	50	34.6				
38905 (7733464)		2.18	616	<2	4	14.3	130	0.06	9	3.92	21.8	0.04	3.7	55	29.5				
38906 (7733465)		0.30	302	<2	11	22.7	7	0.03	20	6.89	85.6	0.30	0.8	52	36.3				
38907 (7733466)		0.24	163	<2	9	18.7	5	0.03	23	5.61	139	0.90	0.4	49	36.2				
38908 (7733467)		0.34	1740	<2	8	13.6	18	0.03	8	3.68	29.3	<0.01	0.2	61	41.1				
38909 (7733468)		0.44	344	<2	10	10.2	19	0.02	14	2.80	27.2	0.02	0.7	50	30.3				
38910 (7733469)		1.76	602	<2	4	17.5	44	0.09	11	4.68	14.9	0.04	2.5	57	28.3				
38911 (7733470)		0.33	462	<2	13	26.9	5	0.03	22	8.08	105	0.01	1.3	50	34.2				
38912 (7733471)		4.69	1320	<2	3	14.4	89	0.07	6	3.08	7.8	0.16	0.3	69	22.9				
38913 (7733472)		0.29	276	<2	11	21.2	5	0.03	20	6.39	104	0.53	1.0	51	36.4				
38914 (7733473)		2.33	1500	<2	9	28.3	19	0.25	10	6.93	33.2	0.06	2.6	59	25.5				
38915 (7733474)		0.51	455	3	9	19.8	8	0.04	6	5.59	15.9	0.05	0.9	50	34.0				
38916 (7733475)		0.27	231	6	13	30.1	6	0.02	13	8.69	84.9	0.03	0.5	49	33.5				
38917 (7733476)		1.60	1100	<2	8	20.2	16	0.10	13	5.45	20.5	0.25	2.1	65	30.2				
38918 (7733477)		1.06	738	6	10	26.1	21	0.05	11	7.16	60.3	0.20	0.6	59	31.5				
38919 (7733478)		0.08	159	3	37	36.0	<5	<0.01	11	11.5	112	0.37	<0.1	50	34.9				
38920 (7733479)		0.07	53	6	37	6.7	5	0.01	26	1.99	134	0.11	0.6	49	35.6				
38921 (7733480)		NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC				
38922 (7733481)		0.25	182	8	38	14.8	10	<0.01	19	4.47	57.0	0.34	0.8	50	35.8				
38923 (7733482)		0.33	163	2	40	12.9	<5	<0.01	21	3.97	73.2	0.27	0.7	50	36.4				
38924 (7733483)		0.06	56	2	12	5.3	36	0.01	9	1.34	18.9	0.35	0.7	51	34.9				
38925 (7733484)		0.19	194	23	13	22.4	7	0.03	15	6.27	62.0	0.89	0.4	51	34.1				
38926 (7733485)		0.31	282	10	12	9.3	9	0.03	27	2.45	93.0	0.68	1.0	51	33.9				
38927 (7733486)		0.13	100	<2	20	5.6	7	0.03	7	1.50	17.7	0.30	0.8	56	38.1				
Mystery Rock 1 (7733487)		1.31	456	9	2	29.7	145	0.07	22	8.00	14.8	14.2	0.9	33	19.4				
Mystery Rock 2 (7733488)		0.16	284	<2	13	16.4	12	<0.01	11	3.88	140	0.02	0.2	53	34.2				

Certified By:



AGAT
Laboratories

Certificate of Analysis

AGAT WORK ORDER: 16T119994

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish														
DATE SAMPLED: Jul 27, 2016			DATE RECEIVED: Jul 27, 2016				DATE REPORTED: Aug 18, 2016				SAMPLE TYPE: Rock			
Analyte: Unit: RDL:	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Ti %	Ti ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm
Sample ID (AGAT ID)														
38901 (7733460)	5.5	19	119	<0.5	0.94	14.2	0.26	0.8	0.48	3.78	24	6	32.1	3.8
38902 (7733461)	5.2	5	152	0.5	0.88	14.6	0.27	0.6	0.48	3.83	24	<1	31.3	4.0
38903 (7733462)	5.1	5	157	<0.5	0.90	15.1	0.27	0.6	0.53	3.83	33	<1	32.8	4.1
38904 (7733463)	5.2	5	114	<0.5	0.93	15.4	0.27	<0.5	0.49	4.27	18	1	30.9	3.9
38905 (7733464)	3.2	2	412	<0.5	0.56	5.4	0.42	<0.5	0.25	2.36	120	<1	17.4	1.9
38906 (7733465)	4.1	3	133	<0.5	0.73	12.6	0.26	0.6	0.42	3.41	17	<1	25.5	3.2
38907 (7733466)	3.6	3	110	<0.5	0.63	10.7	0.21	0.7	0.38	2.82	15	<1	22.9	2.8
38908 (7733467)	2.9	2	62.3	<0.5	0.50	4.4	0.19	<0.5	0.25	0.92	28	<1	16.2	1.9
38909 (7733468)	2.1	3	121	<0.5	0.43	5.9	0.79	<0.5	0.30	1.91	156	<1	17.2	2.5
38910 (7733469)	3.9	2	417	<0.5	0.66	5.2	0.66	<0.5	0.32	1.69	142	<1	21.6	2.5
38911 (7733470)	5.1	3	218	<0.5	0.90	15.2	0.27	0.5	0.50	4.29	26	<1	33.1	4.0
38912 (7733471)	4.1	2	294	<0.5	0.90	0.3	1.15	<0.5	0.45	0.13	272	<1	29.2	3.2
38913 (7733472)	4.3	3	141	<0.5	0.69	13.5	0.25	0.6	0.45	3.32	17	<1	26.3	3.6
38914 (7733473)	6.9	3	419	<0.5	1.22	3.4	1.35	<0.5	0.56	1.11	175	<1	38.3	4.1
38915 (7733474)	4.2	6	243	<0.5	0.82	11.0	0.35	<0.5	0.50	3.51	41	<1	30.0	3.8
38916 (7733475)	6.5	5	215	<0.5	1.21	13.1	0.22	0.7	0.74	4.25	14	<1	45.1	5.7
38917 (7733476)	4.7	6	232	<0.5	0.87	6.0	0.76	<0.5	0.42	1.81	149	1	27.5	3.2
38918 (7733477)	5.9	5	171	<0.5	1.11	9.7	0.49	<0.5	0.63	3.19	72	<1	38.7	4.8
38919 (7733478)	6.7	4	35.9	2.0	1.36	21.3	0.11	0.6	0.92	5.78	7	<1	53.4	7.2
38920 (7733479)	1.9	5	39.7	1.9	0.87	21.0	0.11	0.7	0.87	6.11	9	<1	46.7	6.9
38921 (7733480)	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC	NRC
38922 (7733481)	3.3	6	139	1.9	0.82	20.4	0.11	<0.5	0.87	5.86	<5	<1	42.6	6.7
38923 (7733482)	3.1	6	145	2.2	0.83	21.9	0.12	0.5	0.87	6.28	<5	<1	43.7	7.0
38924 (7733483)	1.8	4	50.6	<0.5	0.71	12.1	0.15	<0.5	0.66	3.72	<5	<1	37.3	5.2
38925 (7733484)	5.1	7	123	<0.5	1.03	13.2	0.26	<0.5	0.67	4.11	21	<1	38.8	5.3
38926 (7733485)	2.5	7	109	<0.5	0.71	12.8	0.28	0.8	0.62	3.91	27	<1	33.2	4.9
38927 (7733486)	1.7	5	52.2	0.7	0.55	13.1	0.22	<0.5	0.54	3.55	11	<1	29.0	4.3
Mystery Rock 1 (7733487)	5.7	3	196	<0.5	0.63	2.9	0.10	0.5	0.14	1.13	28	<1	14.3	0.9
Mystery Rock 2 (7733488)	4.9	48	65.4	0.5	1.05	11.4	0.12	0.7	0.68	3.34	13	<1	39.6	5.4

Certified By:



AGAT

Laboratories

Certificate of Analysis

AGAT WORK ORDER: 16T119994

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish			
DATE SAMPLED: Jul 27, 2016	DATE RECEIVED: Jul 27, 2016	DATE REPORTED: Aug 18, 2016	SAMPLE TYPE: Rock
Sample ID (AGAT ID)	Analyte: Unit: RDL:	Zn ppm 5	
38901 (7733460)		42	
38902 (7733461)		35	
38903 (7733462)		39	
38904 (7733463)		40	
38905 (7733464)		76	
38906 (7733465)		23	
38907 (7733466)		17	
38908 (7733467)		27	
38909 (7733468)		30	
38910 (7733469)		59	
38911 (7733470)		28	
38912 (7733471)		100	
38913 (7733472)		28	
38914 (7733473)		118	
38915 (7733474)		33	
38916 (7733475)		22	
38917 (7733476)		91	
38918 (7733477)		53	
38919 (7733478)		19	
38920 (7733479)		37	
38921 (7733480)		NRC	
38922 (7733481)		27	
38923 (7733482)		30	
38924 (7733483)		10	
38925 (7733484)		19	
38926 (7733485)		46	
38927 (7733486)		15	
Mystery Rock 1 (7733487)		777	
Mystery Rock 2 (7733488)		73	

Comments: RDL - Reported Detection Limit

Certified By: _____



Laboratories

Certificate of Analysis

AGAT WORK ORDER: 16T119994

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)			
DATE SAMPLED: Jul 27, 2016	DATE RECEIVED: Jul 27, 2016	DATE REPORTED: Aug 18, 2016	SAMPLE TYPE: Rock
Sample ID (AGAT ID)	Analyte: Unit: RDL:		
38901 (7733460)	Au ppm 0.001		
38902 (7733461)	0.005		
38903 (7733462)	0.004		
38904 (7733463)	0.008		
38905 (7733464)	0.001		
38906 (7733465)	<0.001		
38907 (7733466)	0.001		
38908 (7733467)	<0.001		
38909 (7733468)	<0.001		
38910 (7733469)	0.001		
38911 (7733470)	0.013		
38912 (7733471)	0.004		
38913 (7733472)	0.003		
38914 (7733473)	0.001		
38915 (7733474)	<0.001		
38916 (7733475)	0.001		
38917 (7733476)	<0.001		
38918 (7733477)	0.003		
38919 (7733478)	0.009		
38920 (7733479)	<0.001		
38921 (7733480)	<0.001		
38922 (7733481)	NRC		
38923 (7733482)	0.002		
38924 (7733483)	0.003		
38925 (7733484)	0.002		
38926 (7733485)	0.002		
38927 (7733486)	0.004		
Mystery Rock 1 (7733487)	0.002		
	0.005		

Comments: RDL - Reported Detection Limit

Certified By:



AGAT

Laboratories

Quality Assurance - Replicate
AGAT WORK ORDER: 16T119994
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-079) Sodium Peroxide Fusion - ICP-OES finish

Parameter	REPLICATE #1			REPLICATE #2					
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	
Al	7733460	7.39	7.26	1.8%	7733476	6.94	6.75	2.8%	
As	7733460	< 0.005	< 0.005	0.0%	7733476	< 0.005	< 0.005	0.0%	
B	7733460	< 0.01	< 0.01	0.0%	7733476	< 0.01	< 0.01	0.0%	
Ca	7733460	0.45	0.45	0.0%	7733476	3.57	3.65	2.2%	
Co	7733460	< 0.001	< 0.001	0.0%	7733476	0.002	0.002	0.0%	
Cr	7733460	< 0.005	< 0.005	0.0%	7733476	< 0.005	< 0.005	0.0%	
Cu	7733460	0.003	0.003	0.0%	7733476	0.001	0.001	0.0%	
Fe	7733460	2.19	2.17	0.9%	7733476	4.83	4.73	2.1%	
K	7733460	3.49	3.46	0.9%	7733476	0.534	0.550	3.0%	
Li	7733460	< 0.01	< 0.01	0.0%	7733476	< 0.01	< 0.01	0.0%	
Mg	7733460	0.308	0.301	2.3%	7733476	1.60	1.53	4.5%	
Mn	7733460	0.023	0.024	4.3%	7733476	0.110	0.101	8.5%	
Mo	7733460	< 0.005	< 0.005	0.0%	7733476	< 0.005	< 0.005	0.0%	
Ni	7733460	0.001	0.001	0.0%	7733476	0.002	0.002	0.0%	
Pb	7733460	< 0.005	< 0.005	0.0%	7733476	< 0.005	< 0.005	0.0%	
S	7733460	< 0.01	< 0.01	0.0%	7733476	0.248	0.239	3.7%	
Si	7733460	34.8	34.2	1.7%	7733476	30.2	31.0	2.6%	
Sn	7733460	< 0.005	< 0.005	0.0%	7733476	< 0.005	< 0.005	0.0%	
Ti	7733460	0.262	0.258	1.5%	7733476	0.765	0.787	2.8%	
V	7733460	< 0.005	< 0.005	0.0%	7733476	0.009	0.009	0.0%	
W	7733460	< 0.01	< 0.01	0.0%	7733476	< 0.01	< 0.01	0.0%	
Zn	7733460	< 0.005	< 0.005	0.0%	7733476	0.009	0.009	0.0%	

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	REPLICATE #1			REPLICATE #2					
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	
Ag	7733460	6	2		7733476	2	2	0.0%	
Al	7733460	7.39	7.26	1.8%	7733476	6.94	6.75	2.8%	
As	7733460	< 30	< 30	0.0%	7733476	< 30	< 30	0.0%	
B	7733460	< 20	< 20	0.0%	7733476	< 20	< 20	0.0%	
Ba	7733460	697	687	1.4%	7733476	332	326	1.8%	
Be	7733460	6	6	0.0%	7733476	13	14	7.4%	



AGAT Laboratories

Quality Assurance - Replicate
AGAT WORK ORDER: 16T119994
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

Bi	7733460	11.3	11.1	1.8%	7733476	0.2	0.2	0.0%												
Ca	7733460	0.45	0.45	0.0%	7733476	3.57	3.65	2.2%												
Cd	7733460	< 0.2	< 0.2	0.0%	7733476	< 0.2	< 0.2	0.0%												
Ce	7733460	69.0	69.2	0.3%	7733476	42.5	41.4	2.6%												
Co	7733460	3.63	3.71	2.2%	7733476	17.2	16.2	6.0%												
Cr	7733460	< 0.005	< 0.005	0.0%	7733476	< 0.005	< 0.005	0.0%												
Cs	7733460	0.5	0.5	0.0%	7733476	0.3	0.3	0.0%												
Cu	7733460	30	28	6.9%	7733476	12	10	18.2%												
Dy	7733460	5.06	5.32	5.0%	7733476	4.81	4.38	9.4%												
Er	7733460	3.52	3.68	4.4%	7733476	3.26	3.00	8.3%												
Eu	7733460	1.18	1.19	0.8%	7733476	1.38	1.28	7.5%												
Fe	7733460	2.19	2.17	0.9%	7733476	4.83	4.73	2.1%												
Ga	7733460	18.5	18.3	1.1%	7733476	19.9	19.7	1.0%												
Gd	7733460	5.47	5.75	5.0%	7733476	5.27	4.51	15.5%												
Ge	7733460	< 1	< 1	0.0%	7733476	1	1	0.0%												
Hf	7733460	10	11	9.5%	7733476	6	6	0.0%												
Ho	7733460	1.03	1.08	4.7%	7733476	0.99	0.90	9.5%												
In	7733460	< 0.2	< 0.2	0.0%	7733476	< 0.2	< 0.2	0.0%												
K	7733460	3.49	3.46	0.9%	7733476	0.534	0.550	3.0%												
La	7733460	35.8	36.7	2.5%	7733476	18.7	18.7	0.0%												
Li	7733460	< 10	< 10	0.0%	7733476	< 10	< 10	0.0%												
Lu	7733460	0.53	0.53	0.0%	7733476	0.42	0.39	7.4%												
Mg	7733460	0.308	0.301	2.3%	7733476	1.60	1.53	4.5%												
Mn	7733460	225	240	6.5%	7733476	1100	1010	8.5%												
Mo	7733460	< 2	< 2	0.0%	7733476	< 2	< 2	0.0%												
Nb	7733460	12	13	8.0%	7733476	8	8	0.0%												
Nd	7733460	27.8	28.5	2.5%	7733476	20.2	18.5	8.8%												
Ni	7733460	6	6	0.0%	7733476	16	13	20.7%												
P	7733460	0.03	0.03	0.0%	7733476	0.098	0.089	9.6%												
Pb	7733460	14	13	7.4%	7733476	13	12	8.0%												
Pr	7733460	8.43	8.63	2.3%	7733476	5.45	4.91	10.4%												
Rb	7733460	107	108	0.9%	7733476	20.5	20.5	0.0%												
S	7733460	< 0.01	< 0.01	0.0%	7733476	0.248	0.239	3.7%												
Sb	7733460	1.8	1.7	5.7%	7733476	2.07	1.74	17.3%												



AGAT

Laboratories

Quality Assurance - Replicate
AGAT WORK ORDER: 16T119994
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

Sc	7733460	51	53	3.8%	7733476	65	61	6.3%										
Si	7733460	34.8	34.2	1.7%	7733476	30.2	31.0	2.6%										
Sm	7733460	5.5	5.5	0.0%	7733476	4.65	4.18	10.6%										
Sn	7733460	12	16	28.6%	7733476	6	6	0.0%										
Sr	7733460	119	122	2.5%	7733476	232	228	1.7%										
Ta	7733460	< 0.5	< 0.5	0.0%	7733476	< 0.5	< 0.5	0.0%										
Tb	7733460	0.94	0.95	1.1%	7733476	0.87	0.79	9.6%										
Th	7733460	14.2	14.9	4.8%	7733476	6.0	5.4	10.5%										
Ti	7733460	0.26	0.26	0.0%	7733476	0.765	0.787	2.8%										
Tl	7733460	0.8	0.8	0.0%	7733476	< 0.5	< 0.5	0.0%										
Tm	7733460	0.480	0.505	5.1%	7733476	0.42	0.37	12.7%										
U	7733460	3.78	3.95	4.4%	7733476	1.81	1.63	10.5%										
V	7733460	24	25	4.1%	7733476	149	145	2.7%										
W	7733460	15	12	22.2%	7733476	1	< 1											
Y	7733460	32.1	32.6	1.5%	7733476	27.5	26.7	3.0%										
Yb	7733460	3.79	3.96	4.4%	7733476	3.24	2.95	9.4%										
Zn	7733460	42	40	4.9%	7733476	91	89	2.2%										
(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)																		
REPLICATE #1																		
Parameter	Sample ID	Original	Replicate	RPD														
Au	7733477	0.009	0.006															



AGAT Laboratories

Quality Assurance - Certified Reference materials
AGAT WORK ORDER: 16T119994
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

(201-079) Sodium Peroxide Fusion - ICP-OES finish

Parameter	CRM #1 (ref.MP-1b)				CRM #2 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	3.465	3.481	100%	90% - 110%	4.30	4.22	98%	90% - 110%
As	2.3	2.2	95%	90% - 110%				
Ca	2.47	2.39	97%	90% - 110%	2.21	2.06	93%	90% - 110%
Co					0.0672	0.0649	97%	90% - 110%
Cr					0.032	0.034	108%	90% - 110%
Cu	3.069	2.93	95%	90% - 110%	1.185	1.146	97%	90% - 110%
Fe	8.19	8.21	100%	90% - 110%	25.54	24.21	95%	90% - 110%
K	0.2	0.2	90%	90% - 110%				
Mg					1.79	1.76	98%	90% - 110%
Mn	0.048	0.05	104%	90% - 110%	0.0703	0.0665	95%	90% - 110%
Mo	0.0285	0.0297	104%	90% - 110%				
Ni					1.953	1.936	99%	90% - 110%
Pb					0.0058	0.0061	105%	90% - 110%
S	13.79	12.7	92%	90% - 110%	14.14	13.31	94%	90% - 110%
Si	16.79	16.72	99%	90% - 110%	15.23	15.16	99%	90% - 110%
Ti	0.0752	0.0809	108%	90% - 110%				
Zn	16.67	16.98	102%	90% - 110%	0.0235	0.0253	108%	90% - 110%

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

Parameter	CRM #1 (ref.1P5L)				CRM #2 (ref.SU-1b)			
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Ag					6.39	5.88	92%	90% - 110%
Al	3.465	3.481	100%	90% - 110%	4.30	4.22	98%	90% - 110%
As	23000	21956	95%	90% - 110%	2.49	2.67	107%	90% - 110%
Ca	2.47	2.39	97%	90% - 110%	2.21	2.06	93%	90% - 110%
Co					672	714	106%	90% - 110%
Cr					0.032	0.034	108%	90% - 110%
Cu	30690	29296	95%	90% - 110%	11850	11456	97%	90% - 110%
Fe	8.19	8.21	100%	90% - 110%	25.54	24.21	95%	90% - 110%
K	0.2	0.2	90%	90% - 110%				
Mg					1.79	1.76	98%	90% - 110%
Mn	480	497	104%	90% - 110%	703	665	95%	90% - 110%



AGAT

Laboratories

Quality Assurance - Certified Reference materials
AGAT WORK ORDER: 16T119994
PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9988
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Kevin Stagg

Mo	285	297	104%	90% - 110%		19530	20600	105%	90% - 110%								
Ni						58	61	105%	90% - 110%								
Pb	20910	20609	99%	90% - 110%		14.14	13.31	94%	90% - 110%								
S	13.79	12.7	92%	90% - 110%		14.14	15.16	107%	90% - 110%								
Si	16.79	16.72	99%	90% - 110%													
Sn	16100	17100	106%	90% - 110%													
Ti	0.0752	0.0809	108%	90% - 110%													
Zn	166700	169770	102%	90% - 110%		235	253	108%	90% - 110%								
(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)																	
CRM #1 (ref.1P5L)				CRM #2 (ref.GS6D)													
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits									
Au	1.53	1.49	97%	90% - 110%	6.09	5.97	98%	90% - 110%									

Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 16T119994

PROJECT:

ATTENTION TO: Kevin Stagg

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/OES
B	MIN-200-12001		ICP/OES
Ca	MIN-200-12001		ICP/OES
Co	MIN-200-12001		ICP/OES
Cr	MIN-200-12001		ICP/OES
Cu	MIN-200-12001		ICP/OES
Fe	MIN-200-12001		ICP/OES
K	MIN-200-12001		ICP/OES
Li	MIN-200-12001		ICP/OES
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/OES
Ni	MIN-200-12001		ICP/OES
Pb	MIN-200-12001		ICP/OES
S	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sn	MIN-200-12001		ICP/OES
Ti	MIN-200-12001		ICP/OES
V	MIN-200-12001		ICP/OES
W			ICP/OES
Zn	MIN-200-12001		ICP/OES
Ag			ICP/MS
As	MIN-200-12001		ICP/MS
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cs	MIN-200-12001		ICP-MS
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
La	MIN-200-12001		ICP-MS
Lu	MIN-200-12001		ICP-MS
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS

Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 16T119994

PROJECT:

ATTENTION TO: Kevin Stagg

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES