ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **NORTHGATE MINERALS - YOUNG DAVIDSON MINE**
PO BOX 187
MATACHEWAN ON P0K 1M0

Date: 29-NOV-2010
Account: NORTEX

CERTIFICATE TM10169527

Project: 1916

P.O. No.: 10-111

This report is for 100 Drill Core samples submitted to our lab in Timmins, ON, Canada on 16-NOV-2010.

The following have access to data associated with this certificate:

CARL EDMUNDS TOM WADEY	JIM JANZEN YOUNG DAVIDSON WEBTRIEVE	RON KONST

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-01	Bulk Master for Storage
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-24	Pulp login - Rcd w/o barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

PARTIAL DATA REPORT

To: **NORTHGATE MINERALS - YOUNG DAVIDSON MINE**
ATTN: JIM JANZEN
PO BOX 187
MATACHEWAN ON P0K 1M0

This is a Partial Data Report for the analytical results of the above mentioned methods. A final Certificate of Analysis will be available upon completion of all requested methods.

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PRELIMINARY CERTIFICATE OF ANALYSIS

TM10169527

PARTIAL DATA REPORT

Sample Description	Method	WEI-21	Au-AA26	PUL-QC	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Au	Pass75um	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M64002		4.74	0.01	92.9												
M64003		4.75	0.05													
M64004		3.99	0.02													
M64005		4.05	0.02													
M64006		4.32	0.10													
M64007		3.21	0.02													
M64008		4.28	0.01													
M64009		3.99	0.07													
M64010		4.09	0.05													
M64011		2.56	0.04													
M64012		2.95	0.01													
M64013		3.47	0.08													
M64014		2.51	0.04													
M64015		2.11	0.04													
M64016		4.02	0.14													
M64017		3.95	0.02													
M64018		3.72	0.01													
M64019		4.38	0.11													
M64020		2.79	0.06													
M64021		0.48	<0.01													
M64022		4.03	0.09													
M64023		1.75	0.56													
M64024		3.30	0.20													
M64025		3.76	0.79													
M64026		3.62	0.77													
M64027		4.20	0.05													
M64028		3.60	0.07													
M64029		4.24	0.03													
M64030		3.83	0.03													
M64031		4.09	0.09		<0.5	5.21	5	440	0.9	6	5.78	<0.5	116	2140	78	7.01
M64032		4.31	0.04		<0.5	5.29	8	210	<0.5	<2	5.71	<0.5	104	2260	67	7.71
M64033		3.87	0.06		0.6	4.96	10	450	1.4	4	6.54	<0.5	125	2300	74	6.72
M64034		4.03	0.06	85.9	<0.5	4.88	9	110	1.8	<2	6.38	<0.5	133	2510	82	7.07
M64035		3.69	0.07		<0.5	4.78	7	60	1.7	4	5.24	<0.5	105	2620	49	5.58
M64036		4.30	0.06		0.6	6.41	46	100	1.7	4	5.49	<0.5	139	3110	74	6.82
M64037		3.89	0.67		1.8	5.62	22	240	2.8	3	6.12	<0.5	82	898	111	6.31
M64038		4.01	0.80		1.3	5.75	19	500	3.0	5	5.75	<0.5	112	1600	168	7.97
M64039		4.29	0.28		0.6	5.68	10	310	2.3	3	6.36	<0.5	80	948	94	7.40
M64040		4.16	0.05		<0.5	6.45	8	240	1.6	5	6.14	<0.5	73	870	91	7.27
M64041		0.11	1.28		0.5	8.05	22	160	3.2	<2	2.56	0.6	20	76	31	6.25

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PRELIMINARY CERTIFICATE OF ANALYSIS TM10169527

Sample Description	Method Analyte Units LOR	

PARTIAL DATA REPORT

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PARTIAL DATA REPORT

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Te ppm 10
M64002																
M64003																
M64004																
M64005																
M64006																
M64007																
M64008																
M64009																
M64010																
M64011																
M64012																
M64013																
M64014																
M64015																
M64016																
M64017																
M64018																
M64019																
M64020																
M64021																
M64022																
M64023																
M64024																
M64025																
M64026																
M64027																
M64028																
M64029																
M64030																
M64031		10	0.99	10	5.23	1230	9	2.12	1415	110	14	1.61	7	32	494	<10
M64032		10	0.65	10	6.66	1435	3	1.68	1330	100	12	1.41	8	33	348	<10
M64033		10	1.11	10	3.49	1475	15	2.31	1530	130	17	1.90	11	30	673	<10
M64034		10	0.45	10	2.97	1435	9	2.86	1750	130	15	2.25	11	30	656	<10
M64035		10	0.28	10	2.36	1120	26	3.21	1505	110	15	1.76	12	30	592	<10
M64036		10	0.32	20	3.06	1330	5	4.07	2160	170	25	2.88	13	39	510	<10
M64037		10	1.78	20	3.30	1365	35	2.55	640	200	29	3.25	<5	31	447	<10
M64038		10	3.10	20	4.40	1370	19	1.37	1085	140	26	3.80	<5	33	517	<10
M64039		10	1.26	10	5.79	1260	48	2.12	627	650	29	3.07	9	28	556	10
M64040		10	0.51	30	5.44	1200	15	3.18	491	880	26	2.57	6	31	532	<10
M64041		20	3.28	10	1.88	502	2	3.56	79	1080	83	3.11	<5	6	326	<10

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Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
M64002							
M64003							
M64004							
M64005							
M64006							
M64007							
M64008							
M64009							
M64010							
M64011							
M64012							
M64013							
M64014							
M64015							
M64016							
M64017							
M64018							
M64019							
M64020							
M64021							
M64022							
M64023							
M64024							
M64025							
M64026							
M64027							
M64028							
M64029							
M64030							
M64031		0.29	<10	<10	187	20	117
M64032		0.30	<10	<10	195	20	95
M64033		0.27	<10	<10	184	10	120
M64034		0.26	<10	<10	181	30	139
M64035		0.26	<10	10	170	20	158
M64036		0.35	<10	10	236	30	245
M64037		0.30	<10	<10	224	60	84
M64038		0.33	<10	<10	265	40	135
M64039		0.41	<10	<10	250	50	83
M64040		0.50	<10	<10	222	30	79
M64041		0.59	<10	<10	73	<10	56

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TM10169527

PARTIAL DATA REPORT

Sample Description	Method	WEI-21	Au-AA26	PUL-QC	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Au	Pass75um	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
M64042		3.79	0.04		<0.5	6.11	7	50	1.3	4	6.67	<0.5	51	1110	42	6.22
M64043		3.79	0.02		<0.5	5.91	8	160	1.3	3	6.46	<0.5	77	1180	56	6.58
M64044		3.83	0.37		<0.5	7.59	14	1200	2.1	<2	4.17	<0.5	42	248	64	5.34
M64045		3.71	0.28		<0.5	7.47	6	1220	2.0	<2	3.28	<0.5	21	192	44	4.42
M64046		3.09	0.18		<0.5	6.75	27	520	2.2	6	3.45	<0.5	55	704	134	10.65
M64047		3.81	0.06		<0.5	6.49	7	510	1.8	2	3.14	<0.5	43	481	79	6.56
M64048		4.21	0.04		<0.5	6.69	9	500	1.6	<2	3.23	<0.5	41	478	83	6.02
M64049		3.75	0.06		<0.5	6.87	7	410	1.7	<2	3.97	<0.5	37	393	63	6.24
M64050		3.76	0.06		<0.5	7.46	7	620	2.7	3	2.99	<0.5	38	572	65	6.24
M64051		3.26	0.02		<0.5	6.82	7	500	2.9	3	3.23	<0.5	23	505	26	4.75
M64052		3.64	0.02		<0.5	6.91	5	810	3.0	3	3.68	<0.5	32	661	34	4.94
M64053		4.82	0.05		<0.5	5.93	8	640	5.0	6	7.00	<0.5	43	443	43	7.45
M64054		3.85	0.10		<0.5	7.00	23	290	3.4	3	2.95	<0.5	43	607	78	6.54
M64055		2.96	0.05		<0.5	6.75	10	230	3.4	2	4.00	<0.5	31	419	69	6.74
M64056		2.48	0.35		<0.5	6.93	24	290	3.4	2	3.46	<0.5	52	520	125	8.01
M64057		4.22	0.46		<0.5	7.70	9	1540	2.6	<2	2.90	<0.5	14	154	40	4.35
M64058		3.33	0.72		0.6	7.69	<5	1650	3.0	2	3.15	<0.5	12	113	38	3.79
M64059		3.89	2.30		1.2	7.69	6	1410	2.9	<2	3.21	<0.5	21	157	49	4.29
M64060		3.92	0.17		<0.5	6.64	9	120	3.0	2	5.90	<0.5	36	343	54	7.87
M64061		<0.02	0.18		<0.5	6.50	<5	110	2.9	4	5.81	<0.5	36	348	50	7.39
M64062		3.66	0.03		<0.5	6.78	11	80	2.5	6	5.86	<0.5	44	385	91	8.53
M64063		3.98	0.01		<0.5	7.01	5	150	1.0	<2	4.28	<0.5	40	514	66	6.77
M64064		3.87	0.01		<0.5	7.58	<5	470	1.9	<2	5.28	0.6	41	213	119	8.18
M64065		4.07	0.01		<0.5	7.66	<5	810	0.7	<2	5.24	<0.5	41	132	148	8.90
M64066		4.17	0.03		<0.5	7.07	9	400	2.2	<2	5.11	<0.5	38	178	119	6.98
M64067		3.62	0.04		<0.5	7.52	18	440	2.2	<2	4.91	<0.5	47	179	87	7.09
M64068		3.84	<0.01		<0.5	6.07	10	500	1.7	<2	5.42	<0.5	38	506	71	7.03
M64069		3.56	0.05		<0.5	6.82	16	540	1.7	<2	5.08	<0.5	49	353	78	7.12
M64070		4.06	0.02		<0.5	6.98	5	500	1.3	<2	3.72	<0.5	39	540	68	6.75
M64071		3.73	0.02		<0.5	7.34	11	370	1.0	<2	3.07	<0.5	41	576	51	6.16
M64072		3.57	0.01		<0.5	7.49	11	450	0.9	<2	3.46	<0.5	42	480	83	6.98
M64073		3.74	0.03		<0.5	7.48	13	240	0.9	<2	2.89	<0.5	48	766	82	7.97
M64074		3.97	0.05		<0.5	6.32	13	200	0.8	<2	3.02	<0.5	70	566	168	8.65
M64075		3.23	0.04		<0.5	7.04	12	310	0.7	<2	3.07	<0.5	52	573	119	7.78
M64076		3.93	0.03		<0.5	7.49	10	310	0.8	<2	2.34	<0.5	45	674	65	6.14
M64077		2.63	0.06		<0.5	7.30	19	290	0.5	<2	2.31	<0.5	83	655	227	7.01
M64078		2.03	0.03		<0.5	7.29	14	280	<0.5	<2	3.16	<0.5	53	595	142	5.90
M64079		4.06	<0.01		<0.5	7.51	6	700	0.6	<2	3.82	<0.5	27	136	209	7.93
M64080		3.82	<0.01		<0.5	8.01	12	3430	0.7	<2	4.52	<0.5	42	150	201	8.84
M64081		0.11	1.30		0.6	7.86	25	140	3.2	<2	2.46	<0.5	20	67	34	5.81

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PRELIMINARY CERTIFICATE OF ANALYSIS TM10169527

Sample Description	Method Analyte Units LOR	

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PARTIAL DATA REPORT

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10
M64042		10	0.13	10	5.11	1150	3	3.60	642	720	19	1.84	<5	31	389	<10
M64043		10	0.38	30	5.14	1185	7	3.14	795	500	20	2.02	6	31	402	<10
M64044		20	2.69	40	2.67	722	67	3.24	147	1460	24	2.43	<5	21	689	<10
M64045		10	2.83	30	2.23	626	39	3.41	81	1140	24	1.79	<5	14	713	<10
M64046		10	2.94	10	3.50	783	8	1.44	366	750	18	4.79	<5	33	472	<10
M64047		10	2.32	10	3.14	644	6	2.45	272	350	11	2.01	<5	24	463	<10
M64048		10	2.13	20	3.24	530	4	2.43	242	410	13	1.42	<5	22	455	<10
M64049		10	1.74	20	3.68	673	3	2.85	193	850	17	1.18	5	24	448	<10
M64050		20	2.66	20	3.27	588	8	2.73	284	370	17	1.27	<5	27	473	<10
M64051		10	2.12	20	3.13	581	3	2.88	238	290	12	0.84	<5	21	512	<10
M64052		20	2.53	30	2.66	773	7	2.71	233	680	12	1.04	<5	26	632	<10
M64053		10	1.71	60	4.51	1475	97	2.14	321	800	26	1.84	6	32	679	<10
M64054		20	0.62	20	2.90	789	7	4.07	280	370	21	2.04	5	24	422	<10
M64055		10	0.38	30	3.60	1055	3	4.01	192	940	16	1.66	5	22	500	<10
M64056		20	0.74	10	3.78	944	28	3.86	311	400	23	3.60	<5	29	477	<10
M64057		20	4.51	60	2.04	652	6	2.77	71	770	45	2.42	<5	13	759	<10
M64058		20	4.49	70	1.59	613	1	2.61	38	970	45	2.13	<5	9	994	<10
M64059		10	3.68	60	1.96	668	12	3.45	60	1090	32	1.78	<5	10	601	<10
M64060		20	0.12	30	4.94	1350	3	3.48	118	1630	8	1.57	<5	27	897	<10
M64061		10	0.12	30	4.82	1320	2	3.41	115	1590	10	1.48	<5	26	870	<10
M64062		20	0.17	50	4.67	1220	20	3.50	143	1640	7	1.46	<5	27	423	<10
M64063		20	0.38	20	3.49	927	1	3.84	217	670	7	0.80	<5	25	314	<10
M64064		20	1.43	10	4.31	1230	1	2.04	148	410	11	0.19	<5	31	342	<10
M64065		20	2.17	10	4.10	1680	2	1.75	120	520	8	0.12	<5	30	505	<10
M64066		20	0.58	40	3.73	1000	7	3.79	100	2000	10	1.73	<5	23	563	<10
M64067		20	0.84	50	4.09	1185	7	3.87	88	2130	15	2.11	6	24	809	<10
M64068		20	0.91	40	6.94	1560	5	2.24	202	1420	21	0.40	<5	26	542	<10
M64069		20	1.24	40	4.78	1195	6	3.02	151	1630	12	1.40	6	25	521	<10
M64070		20	1.20	30	2.78	839	4	4.35	243	460	12	2.15	<5	28	442	<10
M64071		20	1.17	20	2.45	710	9	4.63	273	430	10	1.55	<5	28	514	<10
M64072		20	1.34	20	3.14	827	1	3.33	227	390	9	0.86	<5	28	355	<10
M64073		20	0.79	20	3.12	776	2	3.95	408	410	10	1.72	5	32	347	<10
M64074		20	0.87	10	3.09	762	33	3.23	314	330	13	3.27	<5	26	341	<10
M64075		20	1.04	20	3.13	732	5	3.56	297	390	14	2.46	5	30	502	<10
M64076		20	1.47	30	2.62	601	12	3.73	316	390	10	1.37	5	29	436	<10
M64077		20	1.26	30	2.55	629	67	3.58	321	380	18	2.57	5	28	359	<10
M64078		20	1.28	20	2.40	655	10	4.06	249	490	10	1.72	6	24	355	<10
M64079		20	1.93	10	4.51	1470	<1	2.37	175	400	9	0.11	7	31	407	<10
M64080		20	4.19	10	4.92	2800	<1	0.79	135	430	19	0.09	5	33	534	<10
M64081		30	3.36	20	1.83	501	1	3.48	74	1130	88	2.98	5	6	354	<10

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PO BOX 187
MATACHEWAN ON P0K 1M0

Date: 29-NOV-2010
Account: NORTEX

Project: 1916

PRELIMINARY CERTIFICATE OF ANALYSIS TM10169527

Sample Description	Method Analyte Units LOR	

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PARTIAL DATA REPORT

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Ti	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
M64042		0.40	<10	10	209	40	86
M64043		0.37	<10	<10	206	30	91
M64044		0.41	<10	<10	174	40	41
M64045		0.34	<10	10	136	30	35
M64046		0.48	<10	<10	233	40	52
M64047		0.40	<10	<10	175	20	31
M64048		0.37	<10	<10	157	10	27
M64049		0.46	<10	<10	176	20	28
M64050		0.42	<10	<10	199	20	41
M64051		0.31	<10	<10	148	10	41
M64052		0.37	<10	<10	176	10	77
M64053		0.39	<10	<10	201	20	103
M64054		0.42	<10	10	194	40	94
M64055		0.46	<10	10	172	40	88
M64056		0.48	<10	<10	267	60	98
M64057		0.24	<10	10	117	50	56
M64058		0.21	<10	<10	86	20	48
M64059		0.26	<10	<10	107	40	60
M64060		0.59	<10	<10	194	20	96
M64061		0.57	<10	<10	193	20	91
M64062		0.60	<10	<10	204	10	83
M64063		0.47	<10	<10	188	10	75
M64064		0.52	<10	<10	228	<10	100
M64065		0.55	<10	<10	243	<10	93
M64066		0.62	<10	<10	197	10	70
M64067		0.63	<10	20	201	40	74
M64068		0.56	<10	10	195	10	112
M64069		0.57	<10	10	193	20	82
M64070		0.45	<10	20	192	20	58
M64071		0.46	<10	30	199	50	52
M64072		0.45	<10	20	202	10	71
M64073		0.50	<10	20	235	40	79
M64074		0.41	<10	20	204	90	69
M64075		0.47	<10	20	206	20	60
M64076		0.48	<10	20	208	10	71
M64077		0.47	<10	20	204	10	85
M64078		0.46	<10	20	180	10	67
M64079		0.54	<10	10	242	10	114
M64080		0.54	<10	10	248	10	164
M64081		0.59	<10	20	74	<10	59

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PRELIMINARY CERTIFICATE OF ANALYSIS TM10169527

Sample Description	Method Analyte Units LOR	

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PRELIMINARY CERTIFICATE OF ANALYSIS

TM10169527

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	PUL-QC Pass75um % 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
M64082		3.59	0.06		<0.5	7.15	15	900	1.4	<2	3.38	<0.5	50	593	84	6.28
M64083		4.02	0.03		<0.5	6.90	16	1670	2.4	<2	4.91	<0.5	36	336	68	7.19
M64084		3.93	0.03		<0.5	6.67	14	1500	1.7	<2	3.51	<0.5	37	395	107	6.00
M64085		3.79	0.03		<0.5	7.70	9	1660	1.9	<2	3.72	<0.5	21	204	50	4.55
M64086		3.90	0.10		<0.5	7.51	20	1240	2.4	<2	5.60	<0.5	34	136	117	6.49
M64087		3.66	0.03		<0.5	7.03	11	1180	1.7	<2	3.64	<0.5	22	482	101	5.21
M64088		4.13	0.04	87.2	<0.5	6.76	18	1140	1.9	<2	5.45	<0.5	29	396	72	7.26
M64089		3.92	0.02		<0.5	6.93	9	1210	1.5	3	3.30	<0.5	25	567	62	5.22
M64090		3.63	0.05		<0.5	7.53	19	1160	1.4	<2	3.08	<0.5	59	510	121	6.40
M64091		4.15	0.03		<0.5	7.60	13	2200	1.5	<2	3.52	<0.5	34	339	59	6.65
M64092		3.97	0.04		<0.5	7.32	11	1600	1.5	<2	3.23	<0.5	38	586	126	5.27
M64093		4.03	0.14		0.5	6.76	13	1190	1.8	<2	4.47	<0.5	36	589	72	6.70
M64094		4.65	0.04		<0.5	7.60	17	1100	2.3	<2	3.57	<0.5	40	279	108	6.57
M64095		3.82	0.02		0.5	7.65	8	2210	5.1	<2	3.04	<0.5	12	53	48	3.56
M64096		3.22	0.23		0.9	7.79	8	2240	5.4	4	2.54	<0.5	12	57	47	3.89
M64097		2.98	0.04		0.6	7.23	7	1830	4.8	<2	2.69	<0.5	12	65	39	3.67
M64098		4.30	0.06		<0.5	7.25	10	760	2.8	<2	4.18	<0.5	28	110	86	6.31
M64099		3.93	0.03		<0.5	6.99	10	950	1.8	<2	4.31	<0.5	31	341	84	6.31
M64100		3.75	0.06		<0.5	6.43	10	1580	1.4	<2	5.73	<0.5	46	374	86	7.00
M64101		0.49	<0.01		<0.5	2.84	7	70	0.6	<2	39.5	<0.5	7	30	93	1.54

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PRELIMINARY CERTIFICATE OF ANALYSIS

TM10169527

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10
M64082		20	2.32	20	3.51	1270	15	2.67	280	400	23	1.42	5	28	552	<10
M64083		20	2.91	50	5.29	1505	6	1.78	144	2540	31	1.26	<5	27	642	<10
M64084		20	3.12	30	3.77	1065	5	2.18	200	970	17	1.53	<5	23	604	<10
M64085		20	3.38	30	2.79	960	5	3.24	98	1030	17	1.09	5	19	637	<10
M64086		20	2.83	40	3.28	1240	11	2.82	85	1580	23	1.62	6	24	726	<10
M64087		20	2.78	20	2.93	976	1	2.91	219	460	9	0.77	<5	24	554	<10
M64088		20	2.67	30	4.36	1350	4	2.27	156	1590	14	0.94	<5	25	521	<10
M64089		20	3.23	20	3.26	901	2	2.73	236	360	11	0.46	<5	25	449	<10
M64090		20	4.06	50	3.34	1020	11	2.26	227	1040	13	1.02	6	30	357	<10
M64091		20	4.54	40	4.33	1275	7	1.69	133	1780	9	0.49	<5	28	432	<10
M64092		20	3.10	20	3.19	917	2	2.76	257	740	9	0.97	<5	25	477	<10
M64093		20	2.24	40	4.75	1410	6	2.04	232	1330	15	0.80	<5	26	543	<10
M64094		20	3.14	40	3.22	1150	2	2.98	147	1490	21	1.53	<5	24	555	<10
M64095		20	4.74	70	1.36	802	1	3.30	21	1560	52	0.80	6	9	633	<10
M64096		20	5.20	70	1.42	989	<1	3.27	22	1620	204	0.64	<5	8	797	<10
M64097		20	3.29	60	1.41	934	2	4.29	22	1600	100	0.31	<5	8	696	<10
M64098		20	1.62	40	3.05	1185	2	3.83	57	2170	15	1.43	<5	22	478	<10
M64099		20	1.68	30	3.84	1185	5	3.20	159	1300	10	1.04	6	26	504	<10
M64100		20	2.60	30	5.22	1365	8	1.69	163	1280	18	0.80	<5	30	717	<10
M64101		10	0.79	180	1.34	314	3	0.18	53	1020	8	1.7	8	4	2150	<10

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PRELIMINARY CERTIFICATE OF ANALYSIS TM10169527

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ti % 0.01	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
M64082		0.47	<10	20	208	10	120
M64083		0.53	<10	<10	214	70	110
M64084		0.40	<10	10	167	50	78
M64085		0.42	<10	20	143	110	61
M64086		0.47	<10	10	194	140	86
M64087		0.38	<10	20	164	20	79
M64088		0.45	<10	10	185	110	93
M64089		0.40	<10	20	173	50	66
M64090		0.48	<10	10	211	70	74
M64091		0.53	<10	10	218	160	96
M64092		0.45	<10	10	189	50	72
M64093		0.55	<10	10	201	60	93
M64094		0.56	<10	10	186	40	116
M64095		0.24	<10	10	92	10	60
M64096		0.24	<10	10	119	40	73
M64097		0.26	<10	20	109	20	75
M64098		0.62	<10	20	182	10	87
M64099		0.51	<10	20	197	10	87
M64100		0.53	<10	10	209	130	79
M64101		0.15	<10	<10	103	<10	383

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