



**CLIENT NAME: GOLDSTAKE EXPLORATIONS INC
W-SUITE1603-2045 LAKESHORE BLVD
TORONTO, ON M8V2Z6
(416) 201-9223**

ATTENTION TO: ROBERT CLEAVER

PROJECT:

AGAT WORK ORDER: 14T914113

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 10, 2014

PAGES (INCLUDING COVER): 7

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.



Certificate of Analysis

AGAT WORK ORDER: 14T914113

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: GOLDSTAKE EXPLORATIONS INC

ATTENTION TO: ROBERT CLEAVER

(201-091) Lanthanide analysis - Lithium Borate Fusion, ICP-MS finish

DATE SAMPLED: Nov 10, 2014

DATE RECEIVED: Nov 10, 2014

DATE REPORTED: Nov 10, 2014

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Th	Tm
	Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	RDL:	0.5	0.05	0.03	0.03	0.05	0.01	0.5	0.01	0.1	0.03	0.03	0.01	0.05	0.01
N082832 (6060066)		11.6	3.91	2.44	1.10	3.82	0.84	4.9	0.34	9.7	1.94	2.93	0.65	0.43	0.37
N082833 (6060067)		15.4	3.47	2.14	1.17	3.58	0.74	6.6	0.31	11.0	2.33	2.85	0.58	0.39	0.32
N082834 (6060068)		73.0	3.81	2.13	1.76	5.64	0.76	34.2	0.35	37.5	9.72	6.78	0.77	7.30	0.34
N082835 (6060069)		70.4	3.44	1.89	1.70	5.25	0.69	34.6	0.30	34.7	9.24	6.21	0.71	6.28	0.29
N082836 (6060070)		5.6	2.14	1.33	0.65	2.05	0.47	1.2	0.19	4.9	0.94	1.50	0.35	0.25	0.20
N082837 (6060071)		4.8	2.10	1.30	0.71	1.99	0.46	5.0	0.19	4.6	0.87	1.50	0.34	0.17	0.20
N082838 (6060072)		13.7	4.26	2.52	1.45	4.24	0.89	4.4	0.35	11.5	2.26	3.36	0.72	0.37	0.37
N082839 (6060073)		81.4	3.94	2.21	1.88	5.88	0.79	43.0	0.34	39.6	10.8	6.97	0.79	7.96	0.34
N082840 (6060074)		83.5	3.84	2.15	1.87	5.92	0.76	42.7	0.35	41.4	11.1	7.27	0.79	8.35	0.33
N082841 (6060075)		43.1	2.73	1.46	1.22	4.22	0.54	19.4	0.21	24.3	5.98	4.77	0.55	4.72	0.22
N082842 (6060076)		53.8	2.88	1.64	1.41	4.24	0.57	27.9	0.24	26.6	7.17	4.79	0.57	5.28	0.24
N082843 (6060077)		3.9	1.89	1.12	0.84	2.03	0.40	0.6	0.17	4.0	0.73	1.46	0.33	0.18	0.17

Sample ID (AGAT ID)	Analyte:	U	Y	Yb
	Unit:	ppm	ppm	ppm
	RDL:	0.05	0.5	0.03
N082832 (6060066)		0.22	20.4	2.23
N082833 (6060067)		0.42	18.4	2.01
N082834 (6060068)		1.88	19.8	2.19
N082835 (6060069)		1.86	17.9	1.88
N082836 (6060070)		<0.05	11.2	1.30
N082837 (6060071)		<0.05	11.1	1.28
N082838 (6060072)		0.09	21.7	2.36
N082839 (6060073)		1.88	21.1	2.27
N082840 (6060074)		2.48	20.2	2.21
N082841 (6060075)		1.29	13.3	1.38
N082842 (6060076)		1.39	15.6	1.59
N082843 (6060077)		<0.05	10.7	1.12

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

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CLIENT NAME: GOLDSTAKE EXPLORATIONS INC

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(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Nov 10, 2014

DATE RECEIVED: Nov 10, 2014

DATE REPORTED: Nov 10, 2014

SAMPLE TYPE: Other

Sample ID (AGAT ID)	Analyte:	Au	Pd	Pt
	Unit:	ppm	ppm	ppm
	RDL:	0.001	0.001	0.005
N082832 (6060066)		0.277	<0.001	0.006
N082833 (6060067)		2.19	<0.001	<0.005
N082834 (6060068)		0.041	<0.001	<0.005
N082835 (6060069)		2.11	0.001	<0.005
N082836 (6060070)		0.008	0.010	0.013
N082837 (6060071)		0.011	0.011	0.012
N082838 (6060072)		0.018	<0.001	<0.005
N082839 (6060073)		0.001	<0.001	0.005
N082840 (6060074)		0.002	0.001	<0.005
N082841 (6060075)		0.001	0.005	0.008
N082842 (6060076)		0.002	0.001	0.012
N082843 (6060077)		0.038	0.005	0.006

Comments: RDL - Reported Detection Limit

Certified By:



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CLIENT NAME: GOLDSTAKE EXPLORATIONS INC

ATTENTION TO: ROBERT CLEAVER

(202-060) Fire Assay - Rh, ICP-OES Finish

DATE SAMPLED: Nov 10, 2014	DATE RECEIVED: Nov 10, 2014	DATE REPORTED: Nov 10, 2014	SAMPLE TYPE: Other
Analyte: Rh			
Unit: ppm			
RDL: 0.01			
Sample ID (AGAT ID)			
N082832 (6060066)			<0.01
N082833 (6060067)			<0.01
N082834 (6060068)			<0.01
N082835 (6060069)			<0.01
N082836 (6060070)			<0.01
N082837 (6060071)			<0.01
N082838 (6060072)			<0.01
N082839 (6060073)			<0.01
N082840 (6060074)			<0.01
N082841 (6060075)			<0.01
N082842 (6060076)			<0.01
N082843 (6060077)			<0.01

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: GOLDSTAKE EXPLORATIONS INC

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(201-091) Lanthanide analysis - Lithium Borate Fusion, ICP-MS finish

Parameter	REPLICATE #1				RPD												
	Sample ID	Original	Replicate	RPD													
Ce	6060077	3.93	4.07	3.5%													
Dy	6060077	1.89	2.05	8.1%													
Er	6060077	1.12	1.22	8.5%													
Eu	6060077	0.840	0.889	5.7%													
Gd	6060077	2.03	2.18	7.1%													
Ho	6060077	0.403	0.423	4.8%													
La	6060077	0.6	1.0														
Lu	6060077	0.17	0.18	5.7%													
Nd	6060077	4.0	4.2	4.9%													
Pr	6060077	0.73	0.76	4.0%													
Sm	6060077	1.46	1.52	4.0%													
Tb	6060077	0.331	0.348	5.0%													
Th	6060077	0.18	0.12														
Tm	6060077	0.17	0.18	5.7%													
U	6060077	< 0.05	< 0.05	0.0%													
Y	6060077	10.7	11.2	4.6%													
Yb	6060077	1.12	1.19	6.1%													

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	REPLICATE #1				RPD												
	Sample ID	Original	Replicate	RPD													
Au	6060066	0.277	0.281	1.4%													
Pd	6060066	< 0.001	0.001														
Pt	6060066	0.006	<0.005														



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(201-091) Lanthanide analysis - Lithium Borate Fusion, ICP-MS finish

Parameter	CRM #1 (ref.SY-4)														
	Expect	Actual	Recovery	Limits											
Ce	122	122	100%	90% - 110%											
Dy	18.2	19	105%	90% - 110%											
Er	14.2	14.7	103%	90% - 110%											
Eu	2	2	103%	90% - 110%											
Gd	14	15	107%	90% - 110%											
Ho	4.3	4.5	104%	90% - 110%											
La	58	57	98%	90% - 110%											
Lu	2.1	2.1	100%	90% - 110%											
Nd	57	62	108%	90% - 110%											
Pr	15	16	106%	90% - 110%											
Sm	12.9	13.6	105%	90% - 110%											
Tb	2.6	2.8	107%	90% - 110%											
Th	1.4	1.5	107%	90% - 110%											
Tm	2.3	2.4	104%	90% - 110%											
U	0.8	0.8	95%	90% - 110%											
Yb	14.8	15.2	103%	90% - 110%											

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

Parameter	CRM #1														
	Expect	Actual	Recovery	Limits											
Au	2.00	1.96	98%	90% - 110%											
Pd	2.00	1.99	99%	90% - 110%											
Pt	2.00	1.98	99%	90% - 110%											



Method Summary

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AGAT WORK ORDER: 14T914113

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SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ce	MIN-200-12016		ICP-MS
Dy	MIN-200-12016		ICP-MS
Er	MIN-200-12016		ICP-MS
Eu	MIN-200-12016		ICP-MS
Gd	MIN-200-12016		ICP-MS
Ho	MIN-200-12016		ICP-MS
La	MIN-200-12016		ICP-MS
Lu	MIN-200-12016		ICP-MS
Nd	MIN-200-12016		ICP-MS
Pr	MIN-200-12016		ICP-MS
Sm	MIN-200-12016		ICP-MS
Tb	MIN-200-12016		ICP-MS
Th	MIN-200-12016		ICP-MS
Tm	MIN-200-12016		ICP-MS
U	MIN-200-12016		ICP-MS
Y	MIN-200-12016		ICP-MS
Yb	MIN-200-12016		ICP-MS
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Rh	MIN-200-12004	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES