



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

To: LEE, GARY
P.O. BOX 31800
WHITEHORSE YT Y1A 6L3

Page: 1
Finalized Date: 11-SEP-2013
This copy reported on
1-OCT-2013
Account: LEEGAR

CERTIFICATE WH13155457

Project:
P.O. No.:
This report is for 14 Sediment samples submitted to our lab in Whitehorse, YT,
Canada on 26-AUG-2013.

The following have access to data associated with this certificate:

GARY LEE

BOB SCOTT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP24	Pt, Pd, Au 50g FA ICP	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH13155457

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10
Rust 48A		0.46	<0.2	2.11	80	<10	10	1.2	<2	0.05	<0.5	60	28	64	4.76	10
Rust 48B		0.51	<0.2	2.26	72	<10	10	1.3	<2	0.05	<0.5	70	28	67	4.95	10
Rust 50		0.61	<0.2	2.29	78	<10	20	1.4	<2	0.06	<0.5	78	29	71	5.01	10
Rust 51		0.38	<0.2	2.22	96	<10	10	0.8	<2	0.05	<0.5	46	30	63	5.19	10
Rust 52		0.50	<0.2	2.29	80	<10	10	1.3	<2	0.06	<0.5	63	30	72	5.09	10
Rust 53		0.44	<0.2	2.48	70	<10	20	1.9	<2	0.06	<0.5	83	31	81	5.12	10
Rust 54		0.55	<0.2	2.42	86	<10	20	1.4	<2	0.06	<0.5	84	30	74	5.26	10
Rust 55		0.31	<0.2	1.59	23	<10	30	<0.5	<2	0.19	<0.5	16	22	29	3.55	<10
Rust 56		0.39	0.2	1.91	45	<10	40	0.7	<2	0.29	<0.5	17	27	42	4.02	10
Rust 57		0.53	<0.2	2.58	63	<10	20	2.6	4	0.08	0.8	137	32	101	5.02	10
Rust 58		0.54	<0.2	2.33	66	<10	10	1.1	4	0.06	<0.5	69	32	71	5.24	10
Rust 59		0.50	<0.2	2.29	72	<10	10	1.2	3	0.06	<0.5	66	31	72	5.26	<10
Rust 60		0.55	<0.2	2.26	87	<10	10	1.1	2	0.06	<0.5	54	31	67	5.30	10
Rust 61		0.30	<0.2	5.33	31	<10	260	16.5	7	0.47	8.9	1190	54	418	3.08	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20
Rust 48A		<1	0.02	20	0.65	1940	<1	<0.01	90	550	33	0.03	<2	2	7	<20
Rust 48B		<1	0.02	20	0.68	2310	<1	<0.01	97	560	33	0.04	<2	2	7	<20
Rust 50		<1	0.02	20	0.70	2750	<1	<0.01	116	610	35	0.04	<2	2	8	<20
Rust 51		<1	0.02	20	0.70	1120	<1	<0.01	49	650	43	0.03	<2	2	8	<20
Rust 52		<1	0.02	20	0.71	1900	<1	<0.01	82	610	36	0.04	<2	2	7	<20
Rust 53		<1	0.02	20	0.72	3130	<1	<0.01	130	610	35	0.05	<2	2	8	<20
Rust 54		<1	0.02	20	0.74	2840	<1	<0.01	122	630	37	0.04	<2	2	8	<20
Rust 55		<1	0.02	20	0.67	503	<1	<0.01	33	530	15	0.03	<2	1	14	<20
Rust 56		<1	0.03	10	0.57	606	1	<0.01	38	1370	33	0.05	<2	1	18	<20
Rust 57		1	0.02	20	0.72	6250	1	0.01	259	590	35	0.06	<2	2	10	<20
Rust 58		<1	0.02	20	0.76	1280	1	0.01	74	600	34	0.03	<2	2	8	<20
Rust 59		<1	0.02	20	0.74	1230	1	<0.01	71	600	34	0.04	<2	2	8	<20
Rust 60		<1	0.02	20	0.74	1085	1	<0.01	65	610	36	0.04	2	2	8	<20
Rust 61		2	0.02	50	0.66	>50000	2	0.01	2630	420	35	0.29	<2	2	48	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	PGM-ICP24 Au ppm	PGM-ICP24 Pt ppm	PGM-ICP24 Pd ppm
Rust 48A		<0.01	<10	<10	14	<10	242	0.004	<0.005	<0.001
Rust 48B		<0.01	<10	<10	14	<10	253	0.003	<0.005	<0.001
Rust 50		<0.01	<10	<10	15	<10	289	0.004	<0.005	<0.001
Rust 51		<0.01	<10	<10	15	<10	147	0.005	<0.005	<0.001
Rust 52		<0.01	<10	<10	15	<10	237	0.006	<0.005	0.001
Rust 53		<0.01	<10	<10	16	<10	354	0.007	<0.005	0.001
Rust 54		<0.01	<10	<10	16	<10	299	0.007	<0.005	0.001
Rust 55		0.01	<10	<10	12	<10	99	0.002	<0.005	0.001
Rust 56		<0.01	<10	<10	17	<10	126	0.003	<0.005	<0.001
Rust 57		<0.01	<10	<10	16	<10	569	0.003	<0.005	<0.001
Rust 58		<0.01	<10	<10	16	<10	227	0.003	<0.005	0.001
Rust 59		<0.01	<10	<10	16	<10	225	0.005	0.008	0.001
Rust 60		<0.01	<10	<10	16	<10	205	0.004	<0.005	0.001
Rust 61		<0.01	10	10	13	<10	4430	0.003	0.005	0.003



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME-ICP41 PGM-ICP24