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Plus Appendix Pages
Finalized Date: 6-MAY-2019
Account: TRUGRO

QC CERTIFICATE WH19097812

Project: JPR
P.O. No.: 1103
This report is for 124 Rock samples submitted to our lab in Whitehorse, YT, Canada on 24-APR-2019.

The following have access to data associated with this certificate:

GREG DAWSON
ANDREW HAMILTON

ISAAC FAGE
BEN MCGRATH

JODIE GIBSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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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QC CERTIFICATE OF ANALYSIS WH19097812

Sample Description	Method Analyte Units LOD	Au-AA25 Au ppm 0.01	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
STANDARDS																
CDN-CM-34			3.5	2.40	103	<10	90	<0.5	4	1.35	1.0	40	177	5770	4.38	10
CDN-CM-34			3.5	2.24	99	<10	80	<0.5	2	1.29	1.1	39	168	5550	4.12	10
Target Range - Lower Bound			3.1	2.14	93	<10	70	<0.5	<2	1.20	<0.5	36	164	5390	3.91	<10
Upper Bound			4.3	2.64	118	30	140	1.4	8	1.49	2.0	46	202	6210	4.80	30
EMOG-17			64.2	1.52	561	10	40	<0.5	5	0.92	18.7	724	44	8010	4.48	<10
EMOG-17			64.1	1.53	573	<10	40	<0.5	5	0.93	19.0	720	45	8200	4.45	<10
Target Range - Lower Bound			60.1	1.45	503	<10	30	<0.5	<2	0.87	17.9	679	42	7780	4.18	<10
Upper Bound			73.9	1.79	619	20	80	1.5	10	1.09	22.9	833	54	8960	5.14	30
G913-10	6.95															
G913-10	7.26															
Target Range - Lower Bound	6.65															
Upper Bound	7.53															
MRGeo08			4.3	2.58	33	<10	430	0.8	<2	1.08	2.1	19	87	611	3.56	10
MRGeo08			4.6	2.68	33	<10	440	0.8	<2	1.19	2.3	20	94	625	3.62	10
MRGeo08			4.2	2.51	34	<10	410	0.7	<2	1.04	2.2	17	85	602	3.40	10
MRGeo08			4.1	2.55	29	<10	430	0.7	3	1.06	2.1	19	87	591	3.48	10
Target Range - Lower Bound			3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	16	81	586	3.22	<10
Upper Bound			5.1	3.00	39	20	530	1.9	5	1.24	3.4	22	102	676	3.96	30
OREAS 501b			0.6	1.91	19	<10	360	<0.5	<2	0.95	<0.5	14	81	2590	3.97	10
OREAS 501b			0.7	1.88	19	<10	350	<0.5	3	0.93	<0.5	13	83	2550	3.77	10
Target Range - Lower Bound																
Upper Bound																
OREAS 602			>100	0.62	674	<10	20	<0.5	59	0.54	25.9	10	32	5040	2.01	<10
OREAS 602			>100	0.65	683	<10	30	<0.5	64	0.54	25.7	10	31	5210	2.09	<10
Target Range - Lower Bound			106.0	0.57	577	<10	<10	<0.5	50	0.46	22.2	7	26	4810	1.94	<10
Upper Bound			100.0	0.71	709	20	50	1.3	66	0.59	28.2	12	34	5530	2.40	30
OREAS 604			>100	0.72	982	<10	10	<0.5	22	0.58	14.9	42	35	>10000	2.73	<10
OREAS 604			>100	0.72	995	<10	10	<0.5	25	0.59	15.3	43	35	>10000	2.65	10
OREAS 604			>100	0.68	969	<10	10	<0.5	25	0.56	14.6	41	31	>10000	2.56	<10
OREAS 604			>100	0.72	971	<10	20	<0.5	31	0.58	14.8	42	33	>10000	2.67	<10
Target Range - Lower Bound			443		867		<10	<0.5	22	0.52	13.5	37		20100		<10
Upper Bound			100.0		1065		20	1.3	32	0.66	17.6	48		>10000		30



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QC CERTIFICATE OF ANALYSIS WH19097812

Sample Description	Method Analyte Units LOD	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
STANDARDS																
CDN-CM-34		<1	1.17	10	2.50	293	272	0.10	227	1150	21	2.97	5	9	101	<20
CDN-CM-34		<1	1.12	10	2.35	281	252	0.10	215	1120	22	2.90	4	9	97	<20
Target Range - Lower Bound		<1	1.06	<10	2.27	269	245	0.08	204	1050	18	2.70	<2	8	92	<20
Upper Bound		2	1.32	30	2.80	340	301	0.13	252	1310	28	3.32	9	13	115	40
EMOG-17		<1	0.63	20	0.74	606	1040	0.16	7400	730	6860	2.99	673	4	51	<20
EMOG-17		<1	0.63	20	0.75	609	1020	0.17	7400	750	6980	3.08	638	4	51	<20
Target Range - Lower Bound		<1	0.60	<10	0.73	598	1015	0.15	6930	680	6500	2.90	572	3	47	<20
Upper Bound		3	0.76	40	0.91	742	1245	0.20	8470	850	7950	3.56	778	7	59	50
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		<1	1.23	30	1.12	401	13	0.34	693	980	1035	0.30	5	7	81	20
MRGeo08		<1	1.26	30	1.17	423	13	0.35	705	1060	1105	0.31	<2	7	82	20
MRGeo08		<1	1.19	30	1.08	383	12	0.33	663	970	1020	0.30	5	6	77	20
MRGeo08		<1	1.24	30	1.10	397	13	0.33	680	970	1035	0.29	4	7	80	20
Target Range - Lower Bound		<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2	5	71	<20
Upper Bound		2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.35	8	10	89	60
OREAS 501b		<1	1.04	30	1.14	362	90	0.15	39	970	5	0.35	<2	7	61	20
OREAS 501b		<1	1.01	20	1.11	351	87	0.15	39	970	9	0.36	2	6	58	20
Target Range - Lower Bound																
Upper Bound																
OREAS 602		<1	0.09	10	0.10	213	4	0.02	59	240	839	2.03	58	1	45	<20
OREAS 602		1	0.09	10	0.10	215	4	0.02	62	230	867	2.04	71	1	49	<20
Target Range - Lower Bound		<1	0.07	<10	0.08	193	2	<0.01	54	210	768	1.81	51	<1	44	<20
Upper Bound		3	0.12	30	0.13	247	7	0.05	68	280	944	2.23	73	3	56	40
OREAS 604		1	0.15	10	0.09	212	5	0.03	641	220	656	3.95	136	1	34	<20
OREAS 604		1	0.15	10	0.09	213	4	0.04	619	230	670	4.09	123	1	36	<20
OREAS 604		<1	0.14	10	0.09	207	4	0.04	621	220	651	3.93	115	1	33	<20
OREAS 604		1	0.16	10	0.09	212	4	0.04	640	220	669	4.03	140	1	37	<20
Target Range - Lower Bound		<1		<10			2		584		631		105	<1	33	<20
Upper Bound		3		30			6		716		775		147	2	42	40



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Sample Description	Method Analyte Units LOD	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	ME-MS42 Te ppm
		0.01	10	10	1	10	2	0.01
STANDARDS								
CDN-CM-34		0.18	<10	<10	104	10	172	0.59
CDN-CM-34		0.16	<10	<10	98	10	167	0.61
Target Range - Lower Bound		0.15	<10	<10	95	<10	159	
Upper Bound		0.21	20	20	118	30	199	
EMOG-17		0.20	<10	<10	62	10	6930	1.31
EMOG-17		0.20	<10	<10	62	10	7030	1.20
Target Range - Lower Bound		0.18	<10	<10	58	<10	6780	1.18
Upper Bound		0.25	20	20	74	20	8290	1.46
G913-10								
G913-10								
Target Range - Lower Bound								
Upper Bound								
MRGeo08		0.37	<10	<10	97	<10	759	0.02
MRGeo08		0.38	<10	<10	103	<10	792	0.02
MRGeo08		0.35	<10	<10	94	<10	724	0.02
MRGeo08		0.36	<10	<10	97	<10	744	0.02
Target Range - Lower Bound		0.33	<10	<10	90	<10	708	<0.01
Upper Bound		0.43	20	30	112	20	870	0.04
OREAS 501b		0.34	<10	<10	106	<10	77	0.07
OREAS 501b		0.32	<10	<10	102	<10	75	0.09
Target Range - Lower Bound								0.05
Upper Bound								0.10
OREAS 602		0.01	<10	<10	10	10	4040	40.7
OREAS 602		0.01	<10	<10	11	10	4130	39.1
Target Range - Lower Bound		<0.01	<10	<10	8	<10	3680	
Upper Bound		0.03	20	20	14	20	4500	
OREAS 604		0.01	10	<10	8	10	2340	25.3
OREAS 604		0.01	10	<10	9	10	2430	25.7
OREAS 604		0.01	10	<10	8	10	2310	25.9
OREAS 604		0.01	10	<10	9	10	2360	25.5
Target Range - Lower Bound		<0.01	<10	<10		<10		22.8
Upper Bound		0.03	30	20		20		27.8



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Sample Description	Method Analyte Units LOD	Au-AA25 Au ppm 0.01	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
STANDARDS																
OREAS 920			<0.2	2.37	4	<10	80	0.7	<2	0.34	<0.5	15	44	110	3.58	10
OREAS 920			<0.2	2.33	3	<10	80	0.7	<2	0.32	<0.5	14	41	110	3.58	10
Target Range - Lower Bound																
Upper Bound																
OREAS-45d			<0.2	4.66	7	<10	80	0.5	<2	0.09	<0.5	25	471	330	13.90	10
OREAS-45d			0.2	4.91	10	10	90	0.5	<2	0.09	<0.5	26	479	344	14.50	20
Target Range - Lower Bound			<0.2	4.36	<2	<10	50	<0.5	<2	0.06	<0.5	23	419	320	12.30	<10
Upper Bound			0.5	5.36	11	20	110	1.6	4	0.11	1.0	30	515	370	15.05	40
OxP133		15.45														
OxP133		15.05														
Target Range - Lower Bound		14.20														
Upper Bound		16.05														
PMP-18		0.31														
PMP-18		0.32														
Target Range - Lower Bound		0.28														
Upper Bound		0.34														
SK94		3.89														
SK94		3.92														
Target Range - Lower Bound		3.66														
Upper Bound		4.14														
BLANKS																
BLANK		<0.01														
BLANK		0.01														
BLANK		0.01														
BLANK		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
BLANK			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Target Range - Lower Bound			<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1	<1	<0.01	<10
Upper Bound			0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2	2	0.02	20



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STANDARDS																
OREAS 920		<1	0.42	30	1.07	525	<1	0.02	39	740	25	0.03	<2	3	17	20
OREAS 920		<1	0.42	30	1.06	505	1	0.02	38	710	21	0.03	2	3	17	20
Target Range - Lower Bound																
Upper Bound																
OREAS-45d		<1	0.10	10	0.13	364	1	0.02	183	340	19	0.05	<2	42	10	<20
OREAS-45d		1	0.10	10	0.14	371	2	0.02	194	350	18	0.04	<2	45	11	<20
Target Range - Lower Bound		<1	0.07	<10	0.12	355	<1	<0.01	157	310	12	0.02	<2	36	8	<20
Upper Bound		2	0.12	30	0.17	445	4	0.05	195	400	22	0.07	4	47	14	50
OxP133																
OxP133																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
SK94																
SK94																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	0.01	<2	<1	<1	<20
BLANK		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Target Range - Lower Bound		<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	<1	<20
Upper Bound		2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4	2	2	40



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		0.01	10	10	1	10	2	0.01
STANDARDS								
OREAS 920		0.13	<10	<10	25	<10	109	0.03
OREAS 920		0.12	<10	<10	24	<10	102	0.02
Target Range - Lower Bound								<0.01
Upper Bound								0.04
OREAS-45d		0.08	<10	<10	202	<10	28	0.06
OREAS-45d		0.08	<10	<10	207	<10	30	0.06
Target Range - Lower Bound		0.06	<10	<10	180	<10	25	0.02
Upper Bound		0.10	20	20	222	20	36	0.06
OxP133								
OxP133								
Target Range - Lower Bound								
Upper Bound								
PMP-18								
PMP-18								
Target Range - Lower Bound								
Upper Bound								
SK94								
SK94								
Target Range - Lower Bound								
Upper Bound								
BLANKS								
BLANK								
BLANK								
BLANK								
BLANK								
Target Range - Lower Bound								
Upper Bound								
BLANK		<0.01	<10	<10	<1	<10	<2	<0.01
BLANK		<0.01	<10	<10	<1	<10	<2	<0.01
BLANK		<0.01	<10	<10	<1	<10	<2	<0.01
BLANK		<0.01	<10	<10	<1	<10	<2	<0.01
Target Range - Lower Bound		<0.01	<10	<10	<1	<10	<2	<0.01
Upper Bound		0.02	20	20	2	20	4	0.02



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DUPLICATES																
ORIGINAL		4.91														
DUP		4.58														
Target Range - Lower Bound		4.50														
Upper Bound		4.99														
ORIGINAL		0.13														
DUP		0.07														
Target Range - Lower Bound		0.09														
Upper Bound		0.12														
ORIGINAL		<0.01														
DUP		0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
ORIGINAL		<0.01														
DUP		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
ORIGINAL		8.68														
DUP		8.58														
Target Range - Lower Bound		8.19														
Upper Bound		9.07														
ORIGINAL		<0.01														
DUP		<0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
ORIGINAL		3.23														
DUP		2.62														
Target Range - Lower Bound		2.82														
Upper Bound		3.14														
1613903			<0.2	0.57	17	<10	80	<0.5	2	0.06	<0.5	3	10	9	1.28	<10
DUP			<0.2	0.58	18	<10	80	<0.5	<2	0.07	<0.5	3	7	8	1.26	<10
Target Range - Lower Bound			<0.2	0.54	15	<10	60	<0.5	<2	0.05	<0.5	2	7	7	1.20	<10
Upper Bound			0.4	0.61	20	20	100	1.0	4	0.08	1.0	4	10	10	1.34	20



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QC CERTIFICATE OF ANALYSIS WH19097812

Sample Description	Method Analyte Units LOD	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
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES														
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																
1613903 DUP Target Range - Lower Bound Upper Bound		<1 <1 <1 2	0.18 0.19 0.17 0.20	20 20 <10 30	0.10 0.10 0.09 0.12	346 354 328 373	1 1 <1 2	0.04 0.04 0.03 0.05	4 4 3 5	180 190 170 200	20 21 17 24	0.01 0.01 <0.01 0.02	<2 <2 <2 4	2 2 <1 3	6 6 5 7	20 20 <20 40



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Sample Description	Method Analyte Units LOD	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	ME-MS42 Te ppm
		0.01	10	10	1	10	2	0.01
ORIGINAL DUP Target Range - Lower Bound Upper Bound		DUPLICATES						
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
ORIGINAL DUP Target Range - Lower Bound Upper Bound								
1613903 DUP Target Range - Lower Bound Upper Bound		0.03 0.03 0.02 0.04	<10 <10 <10 20	<10 <10 <10 20	11 11 9 13	<10 <10 <10 20	31 31 27 35	0.01 0.01 <0.01 0.02



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Sample Description	Method Analyte Units LOD	Au-AA25 Au ppm 0.01	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
DUPLICATES																
1613910		0.02														
DUP		0.01														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
1613930		0.20														
DUP		0.18														
Target Range - Lower Bound		0.17														
Upper Bound		0.21														
1613936			<0.2	0.93	25	<10	120	<0.5	<2	0.21	<0.5	5	13	10	1.48	<10
DUP			<0.2	0.96	29	<10	120	<0.5	<2	0.21	<0.5	5	13	10	1.51	<10
Target Range - Lower Bound			<0.2	0.89	24	<10	100	<0.5	<2	0.19	<0.5	4	11	9	1.41	<10
Upper Bound			0.4	1.00	30	20	140	1.0	4	0.23	1.0	6	15	11	1.58	20
1613950		0.15														
DUP		0.19														
Target Range - Lower Bound		0.15														
Upper Bound		0.19														
1613969			1.3	0.90	1035	<10	170	<0.5	2	0.10	2.8	4	13	33	2.07	<10
DUP			1.2	0.90	1000	<10	170	<0.5	2	0.10	2.7	4	13	33	2.02	<10
Target Range - Lower Bound			1.0	0.85	965	<10	150	<0.5	<2	0.09	2.1	3	11	31	1.93	<10
Upper Bound			1.5	0.96	1070	20	190	1.0	4	0.12	3.4	5	15	35	2.16	20
1614606		0.01														
DUP		0.02														
Target Range - Lower Bound		<0.01														
Upper Bound		0.02														
1614620			<0.2	0.72	8	<10	110	<0.5	<2	0.17	<0.5	3	6	7	1.29	<10
DUP			<0.2	0.80	11	<10	120	<0.5	3	0.19	<0.5	4	7	7	1.38	<10
Target Range - Lower Bound			<0.2	0.71	7	<10	100	<0.5	<2	0.16	<0.5	2	5	6	1.26	<10
Upper Bound			0.4	0.81	12	20	130	1.0	4	0.20	1.0	5	8	8	1.41	20



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Sample Description	Method Analyte Units LOD	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
1613910 DUP Target Range - Lower Bound Upper Bound		DUPLICATES														
1613930 DUP Target Range - Lower Bound Upper Bound																
1613936 DUP Target Range - Lower Bound Upper Bound		<1 <1 <1 2	0.12 0.13 0.11 0.14	20 20 <10 30	0.24 0.25 0.22 0.27	223 225 208 240	1 <1 <1 2	0.04 0.04 0.03 0.05	7 7 6 8	180 190 170 200	21 21 18 24	0.01 <0.01 <0.01 0.02	<2 <2 <2 4	2 2 <1 3	14 14 12 16	<20 <20 <20 40
1613950 DUP Target Range - Lower Bound Upper Bound																
1613969 DUP Target Range - Lower Bound Upper Bound		<1 <1 <1 2	0.19 0.19 0.17 0.21	20 20 <10 30	0.19 0.18 0.17 0.20	465 453 431 487	1 1 <1 2	0.03 0.03 0.02 0.04	8 7 6 9	160 160 140 180	404 388 374 418	0.04 0.04 0.03 0.05	2 <2 <2 4	3 3 2 4	17 17 15 19	<20 <20 <20 40
1614606 DUP Target Range - Lower Bound Upper Bound																
1614620 DUP Target Range - Lower Bound Upper Bound		<1 <1 <1 2	0.19 0.21 0.18 0.22	20 20 <10 30	0.18 0.19 0.17 0.20	223 237 214 247	<1 <1 <1 2	0.04 0.05 0.03 0.06	3 3 2 4	150 170 140 180	14 14 11 17	<0.01 <0.01 <0.01 0.02	<2 <2 <2 4	2 2 <1 3	12 13 11 14	<20 <20 <20 40



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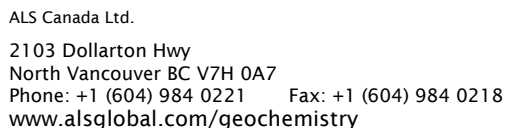
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Sample Description	Method Analyte Units LOD	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	ME-MS42 Te ppm
		0.01	10	10	1	10	2	0.01
1613910 DUP Target Range - Lower Bound Upper Bound		DUPLICATES						
1613930 DUP Target Range - Lower Bound Upper Bound								
1613936 DUP Target Range - Lower Bound Upper Bound		0.06 0.06 0.05 0.07	<10 <10 <10 20	<10 <10 <10 20	24 25 22 27	<10 <10 <10 20	24 24 21 27	0.05 0.06 0.04 0.07
1613950 DUP Target Range - Lower Bound Upper Bound								
1613969 DUP Target Range - Lower Bound Upper Bound		0.03 0.03 0.02 0.04	<10 <10 <10 20	<10 <10 <10 20	21 21 19 23	<10 <10 <10 20	57 55 51 61	0.20 0.19 0.18 0.21
1614606 DUP Target Range - Lower Bound Upper Bound								
1614620 DUP Target Range - Lower Bound Upper Bound		0.05 0.05 0.04 0.06	<10 <10 <10 20	<10 <10 <10 20	12 13 11 14	<10 <10 <10 20	20 21 17 24	0.02 0.02 <0.01 0.03



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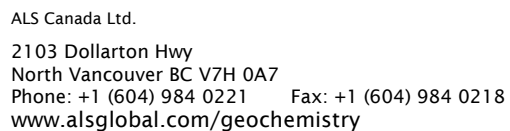
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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
PREP DUPLICATES															
1613975		<1	0.13	30	0.33	304	1	0.04	11	170	137	0.02	<2	4	17
1613975 PREP DUP		<1	0.15	40	0.34	317	1	0.04	12	180	149	<0.01	<2	5	20



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.	
	CRU-31	CRU-QC LOG-22 PUL-31
	PUL-QC	SPL-21 WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.	
	Au-AA25	ME-ICP41 ME-MS42