



**BUREAU
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MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Palmer

470 Granville St. - Suite 630

Vancouver British Columbia V6C 1V5 Canada

Submitted By: Dave Sacco
Receiving Lab: Canada-Vancouver
Received: November 15, 2022
Analysis Start: December 22, 2022
Report Date: March 07, 2023
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CERTIFICATE OF ANALYSIS

VAN22003128.1

CLIENT JOB INFORMATION

Project: AER
Shipment ID: 3302030345
P.O. Number: 2207801
Number of Samples: 185

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.


SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	166	Dry at 60C sieve 100g to -230 mesh			VAN
SLBHP	19	Sort, label and box pulps			VAN
SPTPL	156	Splitting of pulp samples for extra analysis			VAN
LF100-EXT	185	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN
LF300	185	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.2	Completed	VAN
TC000-C	185	Total C Analysis by Leco	0.1	Completed	VAN
TC005	185	Graphite and Organic C by Leco After Ignition	0.1	Completed	VAN
TC006	185	Inorganic Carbon	0.2	Completed	VAN
AQ251_EXT_REE	185	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Palmer
470 Granville St. - Suite 630
Vancouver British Columbia V6C 1V5
Canada

CC: Dean Meek


Martin Wong
Data Validation Specialist

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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	Method	Analyte	Unit	MDL	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100			
					Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
					0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.1
AER22TS-1001	Till		2.04	945	1	12.3	7.2	13.6	10.2	12.3	100.1	2	71.2	1.0	11.2	3.7	162	2.1	401.6	27.9	31.0	54.6			
AER22TS-1002	Till		3.01	407	1	5.6	4.2	8.0	6.6	7.1	54.1	<1	97.3	0.5	6.4	2.4	71	1.3	265.9	20.8	21.9	36.8			
AER22TS-1003	Till		2.09	539	1	6.0	5.0	9.9	7.4	9.3	77.3	1	92.9	0.7	9.1	2.8	121	1.2	291.1	27.5	27.9	48.2			
AER22TS-1004	Till		1.59	686	3	10.0	6.9	16.6	6.1	11.6	105.3	2	84.5	0.9	10.3	2.7	134	1.7	231.9	25.5	31.5	55.2			
AER22TS-1005	Till		2.26	739	2	13.3	10.2	16.8	3.5	10.7	110.2	2	113.7	0.7	9.8	2.9	143	1.4	121.5	27.7	32.7	58.3			
AER22TS-1006	Till		1.90	903	1	10.2	4.2	11.2	6.4	9.6	67.1	1	223.6	0.7	9.1	2.2	89	1.1	245.1	24.3	29.4	50.1			
AER22TS-1007	Till		2.40	910	2	7.4	4.1	9.1	7.0	8.6	57.6	1	177.1	0.6	7.1	2.5	72	0.8	248.5	20.5	24.0	43.6			
AER22TS-1008	Till		2.20	679	2	8.7	4.1	10.1	6.0	10.4	66.1	1	151.6	0.8	7.5	2.8	77	1.3	231.7	23.6	25.6	47.8			
AER22TS-1009	Till		2.66	625	<1	6.4	3.4	10.3	7.8	8.8	64.5	1	169.5	0.6	8.3	2.5	54	1.4	309.2	24.8	27.4	50.0			
AER22TS-1010	Till		1.91	709	<1	10.1	3.2	11.7	6.7	9.4	64.8	1	243.8	0.7	9.1	2.1	88	1.0	269.3	23.7	30.0	56.0			
AER22TS-1011	Till		1.81	895	1	12.3	4.5	13.6	5.7	10.6	73.4	2	216.6	0.8	9.8	3.5	98	1.3	230.3	22.2	27.3	52.9			
AER22TS-1012	Till		2.02	917	1	13.2	4.9	14.8	5.7	10.5	77.8	2	210.2	0.8	10.4	3.3	105	1.4	225.5	21.7	29.4	55.4			
AER22TS-1013	Pulp DUP			958	<1	12.8	4.1	14.5	5.9	10.3	74.2	1	226.8	0.7	9.8	3.5	99	1.2	231.9	23.6	29.3	54.0			
AER22TS-1014	Till		2.43	686	<1	7.3	4.0	10.6	6.3	9.3	67.1	1	150.2	0.8	8.6	2.5	62	1.4	252.5	21.7	27.6	51.4			
AER22TS-1015	Till		2.66	1510	2	16.4	6.5	14.4	6.6	10.5	101.1	2	183.8	0.8	9.1	3.3	78	1.7	252.0	23.5	28.3	52.8			
AER22TS-1016	Rock Pulp		0.06	456	2	51.9	2.1	12.3	3.9	16.2	37.7	6	351.5	0.4	3.7	0.7	57	<0.5	154.7	11.0	28.8	50.6			
AER22TS-1017	Till		1.61	1054	5	12.4	4.6	13.2	6.2	10.1	79.8	1	178.0	0.7	9.6	2.5	106	1.3	249.6	23.1	29.8	55.9			
AER22TS-1018	Till		1.93	740	3	9.1	6.4	15.6	5.6	10.7	101.7	2	131.1	0.5	9.2	3.0	128	1.5	208.8	23.9	31.1	54.8			
AER22TS-1019	Till		2.30	957	3	7.7	4.4	10.3	5.6	8.7	63.0	1	196.4	0.7	7.8	2.6	73	1.3	220.1	22.5	24.4	45.4			
AER22TS-1020	Till		2.07	1164	<1	9.1	8.4	15.9	4.2	11.8	119.9	2	107.2	0.8	9.9	4.7	193	1.4	161.3	24.4	30.5	54.7			
AER22TS-1021	Till		2.11	746	3	7.6	7.4	13.8	5.6	13.0	102.1	1	173.0	0.8	9.5	3.3	120	1.8	234.3	22.8	31.7	57.2			
AER22TS-1022	Till		2.28	563	<1	8.6	4.4	8.8	5.9	8.5	65.8	1	127.1	0.6	7.0	2.4	100	1.1	248.3	20.7	21.8	42.2			
AER22TS-1023	Till		2.15	624	2	7.2	3.9	9.9	8.8	9.1	60.4	1	107.8	0.6	8.6	2.7	75	1.3	351.0	24.7	27.0	51.8			
AER22TS-1024	Rock Pulp		0.07	450	2	49.3	2.0	12.0	3.9	15.3	36.9	6	345.3	0.4	3.7	0.7	57	0.7	158.1	11.2	28.2	48.6			
AER22TS-1025	Till		2.86	694	2	3.8	1.7	7.8	9.7	8.7	47.5	<1	183.2	0.7	7.3	2.0	35	1.0	411.0	20.5	30.5	58.3			
AER22TS-1026	Till		2.31	1172	6	7.1	8.0	13.0	3.8	10.9	99.6	1	137.7	0.7	8.9	3.5	162	0.9	147.7	23.7	27.3	49.7			
AER22TS-1027	Till		2.16	789	<1	5.7	3.5	8.9	6.9	8.0	50.6	1	166.1	0.5	7.6	2.3	65	1.1	296.4	20.7	26.0	47.0			
AER22TS-1028	Till		1.81	786	2	9.9	5.3	15.3	6.8	11.8	75.9	4	130.9	0.9	11.3	2.7	114	1.7	276.1	33.2	37.0	70.6			
AER22TS-1029	Till		1.74	944	3	8.3	7.4	16.7	5.5	14.2	114.1	3	122.8	1.1	11.4	3.6	180	1.2	208.8	31.4	37.9	69.2			
AER22TS-1030	Till		2.75	632	3	16.6	9.1	15.0	7.0	11.2	134.0	3	107.5	1.0	12.2	2.6	68	1.7	265.1	24.6	33.8	65.8			



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	Method Analyte Unit MDL	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-1001	Till	7.12	25.8	4.76	1.13	4.75	0.74	4.33	0.96	2.91	0.44	2.88	0.45	0.8	22.5	13.2	115	36.1	12.1	0.1	0.3
AER22TS-1002	Till	5.21	19.6	3.71	0.73	3.32	0.52	3.07	0.67	1.96	0.29	1.81	0.31	0.9	11.9	11.2	54	16.8	7.0	0.4	0.2
AER22TS-1003	Till	6.65	25.8	5.05	1.12	4.57	0.71	3.94	0.87	2.46	0.37	2.36	0.38	0.8	16.1	10.0	78	25.2	9.0	0.3	0.2
AER22TS-1004	Till	7.51	27.6	5.27	1.16	4.68	0.71	4.03	0.85	2.51	0.37	2.56	0.41	0.5	26.1	14.5	110	31.3	7.6	0.5	0.2
AER22TS-1005	Till	7.72	29.4	5.50	1.25	5.31	0.79	4.67	0.88	2.73	0.37	2.50	0.39	0.5	25.4	20.2	99	31.6	9.7	0.7	0.2
AER22TS-1006	Till	7.05	26.6	5.05	1.08	4.61	0.69	4.20	0.83	2.38	0.38	2.28	0.36	0.6	21.7	11.6	59	24.5	8.0	0.5	0.2
AER22TS-1007	Till	5.72	21.8	4.18	0.88	3.77	0.58	3.38	0.67	2.00	0.32	2.06	0.30	0.4	16.1	9.5	53	17.5	5.4	0.5	0.2
AER22TS-1008	Till	6.37	23.2	4.59	0.98	4.06	0.66	3.76	0.77	2.19	0.34	2.20	0.34	1.0	26.4	12.7	81	20.7	7.1	0.5	0.3
AER22TS-1009	Till	6.96	27.6	5.09	0.96	4.57	0.70	4.15	0.88	2.52	0.37	2.45	0.39	0.5	15.7	8.3	39	15.3	9.6	0.3	0.2
AER22TS-1010	Till	7.17	27.6	4.87	0.97	4.40	0.69	4.15	0.84	2.40	0.37	2.44	0.35	0.5	20.6	10.0	53	28.5	5.9	0.4	0.2
AER22TS-1011	Till	6.58	25.5	4.72	1.05	4.46	0.66	3.68	0.79	2.47	0.36	2.31	0.36	0.9	24.9	12.4	69	31.2	7.1	0.3	0.2
AER22TS-1012	Till	6.87	25.7	4.66	1.07	4.32	0.64	3.74	0.76	2.32	0.35	2.40	0.34	0.9	24.1	12.7	72	29.0	7.6	0.3	0.1
AER22TS-1013	Pulp DUP	7.00	26.1	4.88	1.08	4.32	0.67	3.71	0.80	2.16	0.33	2.29	0.36	0.9	24.7	11.9	70	29.7	7.1	0.3	0.2
AER22TS-1014	Till	6.69	24.8	4.49	0.95	4.20	0.62	3.56	0.77	2.27	0.33	2.08	0.34	0.4	13.2	11.0	51	13.4	6.3	0.3	0.2
AER22TS-1015	Till	6.84	25.6	4.74	1.03	4.41	0.66	3.85	0.79	2.44	0.35	2.43	0.39	0.4	17.2	12.9	64	17.8	6.4	0.4	0.2
AER22TS-1016	Rock Pulp	6.50	23.7	3.82	1.00	2.82	0.39	1.97	0.39	1.13	0.14	1.05	0.16	12.0	152.5	267.0	208	78.7	9.7	0.5	0.2
AER22TS-1017	Till	7.17	26.6	5.00	1.07	4.51	0.68	3.94	0.83	2.53	0.34	2.33	0.35	0.6	21.1	12.4	69	31.1	7.1	0.4	0.2
AER22TS-1018	Till	7.22	26.8	5.04	1.01	4.55	0.69	3.89	0.80	2.46	0.35	2.38	0.36	0.6	25.2	12.8	79	26.0	7.0	0.3	0.1
AER22TS-1019	Till	5.98	23.5	4.41	0.94	4.23	0.64	3.76	0.81	2.25	0.32	2.15	0.33	0.5	20.6	12.2	60	17.4	7.2	0.6	0.3
AER22TS-1020	Till	7.19	26.3	5.07	1.16	4.70	0.69	3.93	0.79	2.45	0.34	2.21	0.33	11.9	27.7	15.3	117	39.7	17.4	0.8	0.4
AER22TS-1021	Till	7.23	27.9	4.83	1.01	4.58	0.64	3.69	0.78	2.33	0.32	2.27	0.37	1.8	24.4	14.5	84	19.8	7.3	0.6	0.3
AER22TS-1022	Till	5.32	20.5	3.67	0.82	3.54	0.53	3.16	0.67	2.00	0.29	1.89	0.28	0.9	14.3	9.7	61	19.3	7.5	0.4	0.2
AER22TS-1023	Till	6.54	25.4	4.70	0.98	4.45	0.67	4.03	0.84	2.50	0.37	2.54	0.39	0.4	14.8	9.8	51	15.9	5.3	0.5	0.2
AER22TS-1024	Rock Pulp	6.31	23.1	3.49	0.97	2.87	0.37	1.84	0.38	1.14	0.16	1.04	0.15	12.2	157.4	277.9	216	80.8	9.8	0.5	0.2
AER22TS-1025	Till	7.20	26.7	4.60	0.94	4.13	0.59	3.61	0.70	2.15	0.29	1.98	0.34	0.4	7.9	6.9	41	5.2	3.9	0.2	0.2
AER22TS-1026	Till	6.87	26.6	4.82	1.13	4.46	0.67	4.02	0.79	2.38	0.32	1.98	0.33	3.4	23.5	13.5	87	27.7	11.1	1.2	0.3
AER22TS-1027	Till	6.06	23.7	4.56	0.80	3.91	0.59	3.44	0.65	2.21	0.30	2.05	0.33	0.3	13.3	8.1	41	13.6	4.6	0.5	0.3
AER22TS-1028	Till	9.28	36.4	7.12	1.48	6.36	0.94	5.39	1.08	3.21	0.46	2.80	0.46	0.6	28.4	12.8	73	31.9	8.5	0.3	0.4
AER22TS-1029	Till	9.15	34.4	6.23	1.34	5.90	0.89	5.20	1.09	3.02	0.42	2.75	0.44	0.6	28.4	14.5	77	26.8	6.9	<0.1	0.2
AER22TS-1030	Till	8.13	30.5	5.50	1.04	4.78	0.73	4.15	0.86	2.57	0.40	2.60	0.44	0.5	10.4	17.4	39	17.4	6.3	<0.1	0.4



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-1001	Till	0.2	0.3	1.7	0.10	0.2	0.6	67.91	11.97	3.98	1.98	1.98	0.47	2.31	0.60	0.21	0.03	0.013	1023	45	78
AER22TS-1002	Till	0.1	0.1	1.0	0.05	0.1	0.9	45.22	7.37	2.48	4.92	16.46	0.43	1.37	0.36	0.17	0.05	0.005	436	23	110
AER22TS-1003	Till	0.1	0.2	1.2	0.07	0.2	1.0	54.88	9.74	3.08	3.32	10.13	0.39	1.95	0.49	0.20	0.02	0.009	563	33	101
AER22TS-1004	Till	0.2	0.2	1.5	0.02	0.3	0.6	60.82	15.29	5.10	1.89	1.12	0.51	2.68	0.62	0.16	0.06	0.010	739	34	95
AER22TS-1005	Till	0.3	0.1	4.4	0.09	0.5	<0.5	53.57	15.03	5.61	3.14	5.35	0.13	2.63	0.59	0.17	0.04	0.010	783	40	129
AER22TS-1006	Till	0.2	0.2	1.4	0.06	0.2	0.8	54.70	10.51	3.92	2.23	9.80	0.69	1.74	0.54	0.14	0.06	0.008	953	27	259
AER22TS-1007	Till	0.1	0.2	1.5	0.05	0.2	0.8	50.65	8.59	2.85	3.02	13.65	0.43	1.51	0.45	0.15	0.06	0.005	964	22	207
AER22TS-1008	Till	0.2	0.2	1.2	0.05	0.1	0.6	60.78	9.84	3.39	2.93	7.42	0.96	1.66	0.56	0.17	0.04	0.006	718	20	164
AER22TS-1009	Till	0.2	<0.1	1.8	0.02	0.1	0.7	49.51	8.85	3.00	3.10	14.57	0.83	1.64	0.45	0.12	0.10	0.004	653	<20	189
AER22TS-1010	Till	0.2	<0.1	1.0	0.04	0.3	<0.5	54.50	10.44	3.91	3.64	9.04	1.03	1.87	0.52	0.14	0.08	0.008	754	33	274
AER22TS-1011	Till	0.2	0.1	1.5	0.05	0.3	0.7	59.41	12.83	4.49	2.31	4.70	1.05	1.94	0.60	0.15	0.07	0.010	918	34	233
AER22TS-1012	Till	0.2	0.1	1.5	0.05	0.3	0.5	59.73	13.31	4.78	2.35	4.23	1.00	1.97	0.62	0.14	0.06	0.011	927	36	226
AER22TS-1013	Pulp DUP	0.2	0.1	1.6	0.05	0.2	0.6	59.78	12.99	4.52	2.31	4.74	1.08	1.95	0.61	0.14	0.07	0.010	994	37	246
AER22TS-1014	Till	0.2	<0.1	1.1	0.02	0.2	0.7	49.73	9.29	2.98	3.81	13.25	0.91	1.76	0.44	0.16	0.09	0.004	696	23	162
AER22TS-1015	Till	0.3	0.1	1.8	0.04	0.2	0.6	55.03	11.92	3.61	3.87	7.34	0.68	2.44	0.51	0.18	0.05	0.005	1551	24	198
AER22TS-1016	Rock Pulp	0.1	0.1	34.1	0.01	<0.1	<0.5	71.92	11.97	4.02	1.71	3.29	3.41	1.43	0.38	0.13	0.07	0.014	470	89	398
AER22TS-1017	Till	0.2	0.1	1.4	0.04	0.3	0.5	57.74	11.91	4.16	3.21	6.28	0.83	2.06	0.56	0.14	0.08	0.009	1083	38	188
AER22TS-1018	Till	0.2	0.2	1.3	0.04	0.2	0.6	54.98	14.62	4.46	2.32	5.98	0.89	2.56	0.56	0.16	0.04	0.009	766	32	146
AER22TS-1019	Till	0.2	0.3	1.7	0.07	0.2	0.8	48.66	9.81	3.23	2.72	13.95	0.92	1.54	0.46	0.15	0.07	0.006	1001	23	217
AER22TS-1020	Till	0.2	0.4	1.7	0.08	0.4	1.6	56.32	13.14	4.39	1.70	5.88	0.38	2.54	0.55	0.21	0.02	0.011	1182	47	120
AER22TS-1021	Till	0.2	0.2	1.1	0.05	0.2	1.1	56.44	12.08	3.61	2.48	7.81	0.69	2.54	0.55	0.17	0.05	0.008	797	21	199
AER22TS-1022	Till	0.1	0.2	0.9	0.05	0.2	0.9	45.78	7.86	2.51	3.01	16.79	0.40	1.53	0.40	0.16	0.03	0.006	568	22	135
AER22TS-1023	Till	0.1	0.1	1.1	0.04	0.2	0.6	54.27	8.93	2.85	3.39	11.30	0.52	1.54	0.46	0.15	0.07	0.006	614	<20	115
AER22TS-1024	Rock Pulp	0.1	0.1	38.0	0.02	<0.1	<0.5	71.83	12.00	4.10	1.74	3.29	3.38	1.44	0.38	0.12	0.07	0.015	479	88	402
AER22TS-1025	Till	<0.1	<0.1	0.6	0.02	<0.1	<0.5	56.39	7.46	2.11	5.30	10.42	1.43	1.77	0.43	0.17	0.05	0.002	739	<20	202
AER22TS-1026	Till	0.2	0.3	1.9	0.07	0.5	1.7	51.23	10.84	3.32	2.00	11.87	0.31	2.15	0.49	0.19	0.02	0.010	1228	36	149
AER22TS-1027	Till	<0.1	0.1	1.1	0.04	0.2	0.9	46.26	8.09	2.75	2.84	17.06	0.54	1.33	0.42	0.15	0.05	0.007	796	<20	184
AER22TS-1028	Till	0.2	0.2	1.8	0.08	0.3	0.5	65.48	13.38	4.69	1.42	1.15	0.93	1.98	0.64	0.11	0.06	0.010	782	36	139
AER22TS-1029	Till	0.2	0.2	1.2	0.03	0.2	0.8	65.81	14.88	3.91	1.26	0.66	0.49	2.39	0.77	0.13	0.02	0.015	957	44	131
AER22TS-1030	Till	0.4	0.1	2.5	0.11	0.3	<0.5	65.46	13.71	3.99	2.17	1.75	1.36	3.11	0.58	0.09	0.03	0.006	642	<20	116



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	Method Analyte Unit MDL	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-1001	Till	433	29	16	12	8.3	99.91	1.34	0.81	0.02	1.88	0.82	22.85	13.60	114.5	332	36.3	12.9	247	2.23	12.3
AER22TS-1002	Till	290	22	10	6	20.9	99.87	5.05	0.62	<0.02	16.23	0.91	11.96	11.19	54.7	126	16.8	5.2	363	1.31	6.9
AER22TS-1003	Till	328	28	19	9	15.6	99.90	3.72	1.15	0.03	9.34	0.88	16.58	10.29	81.5	226	25.6	6.1	158	1.70	9.1
AER22TS-1004	Till	241	27	8	13	11.5	99.91	1.61	1.54	0.02	0.16	0.53	26.29	14.24	111.9	200	31.4	9.7	452	2.73	7.4
AER22TS-1005	Till	135	28	12	13	13.5	99.86	1.55	0.23	<0.02	4.81	0.59	25.44	20.25	101.8	120	31.6	13.1	285	2.65	9.7
AER22TS-1006	Till	276	27	9	10	15.4	99.91	3.09	0.91	<0.02	7.92	0.64	21.83	11.76	61.1	183	24.6	9.9	436	1.97	8.1
AER22TS-1007	Till	261	22	12	7	18.4	99.91	4.05	0.81	<0.02	11.85	0.41	16.76	10.10	56.8	195	18.1	6.7	406	1.44	5.6
AER22TS-1008	Till	258	23	14	8	12.0	99.90	2.53	0.58	<0.02	7.13	1.13	26.94	13.35	85.2	170	21.1	8.6	319	1.81	7.2
AER22TS-1009	Till	339	26	9	7	17.6	99.92	3.51	0.26	<0.02	11.88	0.48	15.99	8.51	41.7	36	15.5	6.2	699	1.59	9.6
AER22TS-1010	Till	276	23	10	9	14.6	99.88	2.81	0.53	<0.02	8.27	0.62	20.82	10.34	54.5	97	28.5	10.2	567	1.97	6.2
AER22TS-1011	Till	235	22	11	11	12.2	99.91	1.68	0.71	<0.02	3.47	1.16	24.35	12.57	70.3	119	30.6	11.5	554	2.21	7.3
AER22TS-1012	Till	243	23	13	12	11.5	99.91	1.30	0.45	<0.02	3.04	1.09	24.51	12.95	73.4	112	29.1	11.5	430	2.31	7.6
AER22TS-1013	Pulp DUP	237	22	12	11	11.5	99.91	1.47	0.55	<0.02	3.30	1.10	25.25	12.51	71.9	132	29.7	11.3	504	2.20	7.1
AER22TS-1014	Till	277	22	11	7	17.3	99.90	3.69	0.40	<0.02	12.04	0.37	13.27	11.16	52.6	96	13.2	6.8	701	1.53	6.1
AER22TS-1015	Till	260	24	14	9	14.0	99.87	2.36	0.40	<0.02	7.16	0.55	18.40	14.05	70.0	107	18.7	15.2	371	1.56	6.5
AER22TS-1016	Rock Pulp	165	11	15	9	1.4	99.87	0.07	0.04	<0.02	0.12	11.88	153.91	268.48	203.6	108	77.6	49.2	277	1.61	9.5
AER22TS-1017	Till	266	24	12	10	12.7	99.90	1.95	0.30	<0.02	6.00	0.70	21.54	12.99	70.9	100	31.1	12.3	577	2.03	7.1
AER22TS-1018	Till	229	24	9	12	13.2	99.89	2.24	1.02	<0.02	4.43	0.65	26.01	13.00	82.1	176	26.6	8.8	281	2.23	7.0
AER22TS-1019	Till	235	22	8	8	18.2	99.91	4.42	1.22	<0.02	11.69	0.56	20.91	12.69	62.1	287	17.6	7.2	549	1.76	7.3
AER22TS-1020	Till	169	23	14	12	14.6	99.91	3.80	2.57	0.04	4.35	12.87	29.49	16.53	120.3	416	41.0	9.1	120	2.50	17.6
AER22TS-1021	Till	238	23	15	9	13.3	99.90	2.93	1.09	<0.02	6.72	1.86	25.22	15.24	87.4	189	20.3	7.5	332	1.92	7.7
AER22TS-1022	Till	249	19	11	7	21.3	99.90	5.57	1.64	0.05	14.22	1.02	15.11	10.20	65.7	198	20.1	8.3	216	1.41	8.0
AER22TS-1023	Till	364	24	12	8	16.3	99.91	3.40	0.40	<0.02	10.97	0.52	15.50	10.32	54.9	121	16.4	6.1	521	1.48	5.6
AER22TS-1024	Rock Pulp	161	11	20	9	1.4	99.87	0.07	0.05	<0.02	0.09	12.24	157.28	278.65	214.3	112	78.9	50.4	281	1.63	9.3
AER22TS-1025	Till	435	21	13	4	14.2	99.88	3.48	0.24	<0.02	11.86	0.38	7.99	7.37	41.9	36	5.3	3.6	359	1.18	3.9
AER22TS-1026	Till	154	24	13	11	17.3	99.89	4.05	1.49	0.03	9.31	3.73	25.40	15.08	96.2	353	29.9	7.4	107	1.91	11.8
AER22TS-1027	Till	300	21	<5	7	20.2	99.91	4.63	0.74	<0.02	14.26	0.32	13.92	8.40	44.2	143	14.2	4.8	365	1.35	4.6
AER22TS-1028	Till	294	33	11	12	9.9	99.93	1.15	1.12	<0.02	<0.08	0.67	28.35	12.66	74.5	205	31.8	9.8	485	2.54	8.6
AER22TS-1029	Till	221	32	18	14	9.4	99.91	1.55	1.48	0.04	<0.08	0.62	28.88	14.75	78.6	203	27.2	7.1	144	2.09	6.7
AER22TS-1030	Till	286	25	11	9	7.6	99.93	0.66	0.27	<0.02	1.38	0.64	10.30	17.09	39.9	135	16.9	16.2	215	1.65	6.5



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm 0.1	ppb 0.2	ppm 0.1	ppm 0.5	ppm 0.01	ppm 0.02	ppm 0.02	ppm 1	% 0.01	% 0.001	ppm 0.5	ppm 0.5	% 0.01	ppm 0.5	% 0.001	ppm 1	% 0.01	% 0.001	% 0.01	ppm 0.1
AER22TS-1001	Till	0.7	1.7	4.8	21.2	0.17	0.37	0.20	25	1.31	0.081	6.7	16.9	0.82	385.8	0.001	4	1.14	0.007	0.15	<0.1
AER22TS-1002	Till	0.6	0.9	2.6	70.6	0.46	0.32	0.12	19	10.49	0.066	8.9	10.5	2.66	172.4	0.001	2	0.88	0.009	0.10	<0.1
AER22TS-1003	Till	0.7	1.1	3.6	49.8	0.32	0.33	0.16	24	7.15	0.082	9.4	15.5	1.74	132.3	0.002	5	1.03	0.008	0.15	<0.1
AER22TS-1004	Till	0.5	1.3	5.4	32.5	0.50	0.33	0.25	50	0.67	0.060	18.5	30.0	0.76	312.9	0.004	6	2.85	0.008	0.53	<0.1
AER22TS-1005	Till	1.2	4.7	6.6	90.7	0.70	0.42	0.33	35	3.59	0.068	18.4	21.2	1.34	410.1	0.001	2	1.98	0.007	0.28	<0.1
AER22TS-1006	Till	1.0	1.4	5.5	177.2	0.47	0.32	0.16	29	6.63	0.058	19.0	19.0	1.03	546.2	0.006	7	1.19	0.013	0.14	<0.1
AER22TS-1007	Till	0.7	1.4	4.0	159.0	0.53	0.31	0.13	23	8.99	0.062	13.6	13.0	1.53	616.3	0.003	4	1.14	0.008	0.11	<0.1
AER22TS-1008	Till	0.8	1.6	4.2	92.8	0.63	0.49	0.22	21	5.13	0.070	11.8	12.5	1.47	393.3	0.006	3	1.02	0.008	0.14	<0.1
AER22TS-1009	Till	0.7	1.9	4.9	134.2	0.33	0.43	0.17	24	9.40	0.043	17.0	13.5	1.61	344.3	0.010	3	1.58	0.007	0.17	<0.1
AER22TS-1010	Till	1.1	1.9	7.0	167.6	0.40	0.36	0.16	36	6.06	0.056	22.5	24.6	1.89	319.1	0.020	9	1.26	0.014	0.18	<0.1
AER22TS-1011	Till	2.1	2.2	6.4	121.1	0.36	0.41	0.18	34	3.02	0.056	18.9	25.2	1.02	438.6	0.008	5	1.51	0.015	0.19	<0.1
AER22TS-1012	Till	2.0	1.9	6.7	118.5	0.30	0.36	0.20	35	2.56	0.055	19.7	27.0	1.02	425.1	0.007	5	1.62	0.015	0.20	<0.1
AER22TS-1013	Pulp DUP	2.1	1.8	6.5	122.6	0.34	0.40	0.19	33	2.91	0.056	18.8	24.9	1.02	459.3	0.007	5	1.52	0.016	0.19	<0.1
AER22TS-1014	Till	0.6	10.8	4.7	93.0	0.34	0.23	0.20	19	8.60	0.063	15.4	11.7	1.98	344.8	0.005	3	1.22	0.008	0.19	<0.1
AER22TS-1015	Till	1.0	1.8	6.2	165.4	0.38	0.34	0.28	15	5.13	0.080	14.6	12.3	1.86	1265.5	0.003	2	1.42	0.014	0.32	<0.1
AER22TS-1016	Rock Pulp	0.4	37.7	3.1	32.6	0.47	0.19	0.14	23	0.58	0.053	24.7	31.3	0.50	60.6	0.072	1	0.82	0.096	0.11	<0.1
AER22TS-1017	Till	1.0	1.4	6.3	103.0	0.42	0.34	0.18	32	4.29	0.058	19.4	22.3	1.57	642.5	0.007	6	1.40	0.020	0.21	<0.1
AER22TS-1018	Till	0.7	1.3	4.4	65.9	0.41	0.31	0.23	35	4.03	0.065	13.5	21.6	0.97	309.4	0.003	4	1.92	0.015	0.30	<0.1
AER22TS-1019	Till	0.6	1.4	3.8	152.5	0.64	0.35	0.19	21	9.21	0.060	11.4	12.1	1.37	697.8	0.003	3	1.15	0.010	0.13	<0.1
AER22TS-1020	Till	1.1	1.3	4.1	63.0	0.95	0.63	0.21	27	4.26	0.084	5.3	14.2	0.58	631.5	<0.001	6	0.99	0.006	0.17	<0.1
AER22TS-1021	Till	0.9	1.0	5.1	94.3	0.59	0.33	0.24	27	5.43	0.072	13.9	12.8	1.14	342.8	0.003	4	1.28	0.014	0.23	<0.1
AER22TS-1022	Till	0.6	0.9	2.8	84.0	0.40	0.33	0.13	21	11.25	0.067	7.1	11.4	1.58	225.4	0.002	4	0.88	0.008	0.13	<0.1
AER22TS-1023	Till	0.8	1.2	4.8	78.7	0.51	0.34	0.15	21	7.78	0.065	16.3	13.4	1.80	299.1	0.003	3	1.10	0.007	0.11	<0.1
AER22TS-1024	Rock Pulp	0.4	37.9	3.2	32.9	0.49	0.20	0.14	23	0.59	0.054	26.2	31.9	0.50	60.9	0.074	2	0.82	0.095	0.11	0.1
AER22TS-1025	Till	0.5	0.5	3.9	56.6	0.17	0.22	0.10	17	6.62	0.071	16.8	5.9	2.99	298.8	0.018	3	0.56	0.008	0.08	<0.1
AER22TS-1026	Till	1.1	1.9	4.8	101.1	1.39	0.47	0.20	39	8.46	0.080	11.6	18.4	0.87	811.4	0.001	10	1.09	0.008	0.16	<0.1
AER22TS-1027	Till	0.8	0.9	3.7	123.4	0.52	0.25	0.10	19	11.15	0.057	13.5	13.9	1.39	434.0	0.005	4	1.11	0.008	0.09	<0.1
AER22TS-1028	Till	1.0	2.0	6.7	32.7	0.28	0.51	0.21	40	0.59	0.036	25.6	28.9	0.53	267.5	0.006	4	1.95	0.010	0.18	<0.1
AER22TS-1029	Till	0.9	1.0	4.0	35.1	0.06	0.29	0.20	32	0.38	0.038	8.4	22.2	0.38	374.4	0.003	4	1.65	0.012	0.20	<0.1
AER22TS-1030	Till	0.6	3.0	8.5	38.1	0.08	0.69	0.34	13	1.09	0.035	22.7	14.3	0.85	165.3	0.006	3	1.37	0.007	0.39	<0.1



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
AER22TS-1001	Till	5.2	0.23	<0.02	101	0.5	0.05	3.1	1.71	<0.1	0.06	0.06	13.3	0.5	<0.05	2.6	14.26	15.1	0.03	<1	0.7
AER22TS-1002	Till	2.5	0.14	<0.02	55	0.6	0.03	2.3	0.73	<0.1	0.04	0.08	7.6	0.3	<0.05	2.0	12.29	17.4	<0.02	<1	0.5
AER22TS-1003	Till	3.7	0.20	<0.02	68	0.9	0.04	2.8	0.95	<0.1	0.05	0.13	10.9	0.4	<0.05	2.4	17.62	16.0	0.03	<1	0.7
AER22TS-1004	Till	6.2	0.30	<0.02	24	0.7	0.04	7.8	1.69	<0.1	0.27	0.23	28.7	1.2	<0.05	8.1	14.17	35.7	0.04	<1	1.3
AER22TS-1005	Till	5.7	0.49	<0.02	82	0.4	0.05	5.5	1.72	<0.1	0.11	<0.02	18.0	0.7	<0.05	3.7	16.58	41.8	0.04	1	1.2
AER22TS-1006	Till	4.1	0.23	<0.02	59	0.6	0.03	3.7	1.32	<0.1	0.16	0.18	14.9	0.5	<0.05	8.2	14.82	34.4	0.03	<1	0.7
AER22TS-1007	Till	3.2	0.20	0.02	57	0.5	0.04	3.3	1.07	<0.1	0.10	0.14	10.2	0.4	<0.05	4.7	11.27	27.1	<0.02	<1	0.6
AER22TS-1008	Till	3.4	0.17	<0.02	56	0.4	0.03	3.1	1.33	<0.1	0.10	0.12	10.8	0.4	<0.05	3.5	10.34	25.6	0.03	<1	0.6
AER22TS-1009	Till	3.1	0.14	<0.02	22	0.5	0.03	4.3	1.14	<0.1	0.16	0.08	14.1	0.5	<0.05	6.6	12.29	34.0	0.02	<1	0.7
AER22TS-1010	Till	4.1	0.33	<0.02	35	0.3	0.04	4.1	1.41	<0.1	0.25	0.19	18.0	0.6	<0.05	12.3	13.67	45.0	0.02	<1	0.6
AER22TS-1011	Till	5.0	0.27	<0.02	52	0.6	0.03	4.7	1.66	<0.1	0.25	0.11	19.3	0.9	<0.05	11.2	12.75	38.0	0.03	<1	0.8
AER22TS-1012	Till	5.3	0.26	<0.02	56	0.5	0.03	4.9	1.65	<0.1	0.24	0.08	20.5	0.8	<0.05	10.6	12.87	39.4	0.03	<1	0.9
AER22TS-1013	Pulp DUP	5.1	0.26	<0.02	58	0.6	0.05	4.7	1.54	<0.1	0.24	0.12	19.3	0.7	<0.05	10.8	13.04	36.7	0.03	<1	0.8
AER22TS-1014	Till	3.0	0.18	<0.02	26	0.4	0.03	3.7	1.31	<0.1	0.09	0.11	13.8	0.5	<0.05	3.0	11.19	32.1	0.02	<1	0.6
AER22TS-1015	Till	3.5	0.27	0.03	39	0.5	0.03	4.2	2.01	<0.1	0.08	0.05	22.8	0.7	<0.05	2.4	11.52	34.5	0.03	<1	0.8
AER22TS-1016	Rock Pulp	2.9	0.08	0.04	15	0.2	<0.02	2.6	1.13	<0.1	0.18	0.35	6.7	2.2	<0.05	6.0	5.37	42.3	0.03	<1	0.2
AER22TS-1017	Till	4.5	0.30	<0.02	45	0.4	0.04	4.3	1.49	<0.1	0.20	0.08	19.8	0.8	<0.05	9.2	13.50	38.7	0.03	<1	0.7
AER22TS-1018	Till	4.8	0.20	<0.02	43	0.6	0.04	5.4	1.30	<0.1	0.12	0.20	18.8	1.0	<0.05	4.7	11.70	28.3	0.03	<1	1.0
AER22TS-1019	Till	3.7	0.16	0.03	75	0.6	0.05	3.3	1.08	<0.1	0.07	0.20	10.9	0.4	<0.05	3.0	11.50	23.2	0.02	<1	0.6
AER22TS-1020	Till	5.4	0.40	0.04	90	1.5	0.06	2.9	0.90	<0.1	0.07	0.08	12.3	0.4	<0.05	2.8	14.11	13.5	0.04	1	0.7
AER22TS-1021	Till	3.8	0.18	<0.02	53	1.0	0.05	3.9	1.91	<0.1	0.11	0.23	16.7	0.6	<0.05	4.8	12.04	28.3	0.03	3	1.0
AER22TS-1022	Till	2.8	0.18	0.03	53	0.6	0.04	2.4	1.05	<0.1	0.04	0.16	9.9	0.6	<0.05	2.4	11.23	14.7	<0.02	<1	0.6
AER22TS-1023	Till	3.4	0.18	<0.02	37	0.4	0.03	3.4	1.27	<0.1	0.12	0.05	10.3	0.6	<0.05	5.3	12.06	32.3	0.02	<1	0.6
AER22TS-1024	Rock Pulp	2.9	0.08	0.04	18	0.2	<0.02	2.6	1.15	<0.1	0.18	0.51	6.9	2.3	<0.05	6.1	5.51	42.8	0.03	<1	0.2
AER22TS-1025	Till	1.7	0.09	<0.02	18	0.4	<0.02	2.2	0.66	<0.1	0.09	0.15	5.6	0.3	<0.05	3.1	9.29	33.5	<0.02	<1	0.3
AER22TS-1026	Till	5.8	0.50	0.03	78	1.7	0.05	3.6	1.52	<0.1	0.05	0.12	16.2	0.5	<0.05	2.3	16.04	24.6	0.03	<1	0.8
AER22TS-1027	Till	3.3	0.17	<0.02	34	0.5	0.03	3.2	1.05	<0.1	0.09	0.17	9.2	0.5	<0.05	4.6	11.12	26.8	<0.02	<1	0.6
AER22TS-1028	Till	5.8	0.27	<0.02	84	0.6	0.04	5.6	1.59	<0.1	0.16	0.26	16.4	1.1	<0.05	8.0	21.46	49.8	0.03	<1	1.1
AER22TS-1029	Till	4.7	0.16	<0.02	43	0.8	0.05	4.7	1.22	<0.1	0.08	0.25	18.2	1.7	<0.05	4.3	16.62	17.3	0.04	1	1.1
AER22TS-1030	Till	3.0	0.32	<0.02	115	0.3	0.03	4.0	3.19	<0.1	0.15	0.05	30.4	1.6	<0.05	5.3	8.13	49.8	0.03	<1	0.9



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-1001	Till	14.9	2.19	10.76	3.22	0.75	3.60	0.48	2.74	0.46	1.19	0.14	0.79	0.10	<10	<2
AER22TS-1002	Till	8.8	2.45	10.91	2.43	0.54	2.37	0.31	1.82	0.32	0.86	0.10	0.61	0.08	<10	<2
AER22TS-1003	Till	11.3	2.72	13.24	3.60	0.83	3.83	0.49	2.82	0.49	1.29	0.14	0.83	0.11	<10	<2
AER22TS-1004	Till	17.2	4.60	19.39	4.09	0.85	3.67	0.47	2.66	0.45	1.20	0.15	0.88	0.12	<10	<2
AER22TS-1005	Till	18.4	5.38	22.39	4.81	1.04	4.40	0.57	3.15	0.54	1.34	0.16	0.95	0.12	<10	<2
AER22TS-1006	Till	14.2	4.66	19.32	3.98	0.79	3.63	0.46	2.70	0.48	1.30	0.16	0.99	0.13	<10	<2
AER22TS-1007	Till	10.4	3.43	14.63	3.07	0.61	2.75	0.35	2.02	0.34	0.92	0.11	0.68	0.09	<10	<2
AER22TS-1008	Till	12.8	3.34	14.89	3.43	0.73	3.10	0.38	2.09	0.33	0.83	0.09	0.54	0.07	<10	<2
AER22TS-1009	Till	15.9	4.33	17.95	3.74	0.70	3.20	0.41	2.32	0.39	1.06	0.13	0.82	0.11	<10	<2
AER22TS-1010	Till	14.7	5.38	21.42	4.14	0.73	3.53	0.45	2.58	0.45	1.24	0.16	0.98	0.13	<10	<2
AER22TS-1011	Till	16.3	4.52	18.54	3.79	0.73	3.33	0.43	2.50	0.44	1.18	0.15	0.94	0.13	<10	<2
AER22TS-1012	Till	16.7	4.76	18.85	3.82	0.75	3.40	0.43	2.52	0.44	1.18	0.15	0.96	0.13	<10	<2
AER22TS-1013	Pulp DUP	16.6	4.67	18.18	3.72	0.71	3.24	0.43	2.45	0.43	1.17	0.15	0.94	0.13	<10	<2
AER22TS-1014	Till	12.1	4.09	17.18	3.46	0.67	2.97	0.37	2.12	0.35	0.91	0.11	0.64	0.08	<10	<2
AER22TS-1015	Till	11.9	4.52	19.72	4.02	0.78	3.41	0.42	2.33	0.38	0.93	0.10	0.60	0.08	<10	<2
AER22TS-1016	Rock Pulp	8.3	5.08	17.51	2.57	0.56	1.74	0.20	1.10	0.19	0.52	0.07	0.44	0.06	45	26
AER22TS-1017	Till	14.4	4.75	19.07	3.88	0.72	3.40	0.43	2.47	0.43	1.17	0.14	0.92	0.12	<10	<2
AER22TS-1018	Till	17.1	3.58	15.52	3.39	0.70	3.09	0.39	2.19	0.36	0.95	0.11	0.67	0.09	<10	<2
AER22TS-1019	Till	11.6	3.18	14.12	3.23	0.68	3.01	0.39	2.18	0.36	0.91	0.11	0.63	0.08	<10	<2
AER22TS-1020	Till	11.0	2.05	10.67	3.45	0.79	3.64	0.49	2.71	0.46	1.13	0.12	0.72	0.09	<10	<2
AER22TS-1021	Till	14.0	3.65	15.54	3.47	0.76	3.23	0.41	2.27	0.37	0.96	0.11	0.65	0.09	<10	<2
AER22TS-1022	Till	9.7	2.08	9.79	2.57	0.57	2.55	0.33	1.89	0.32	0.83	0.10	0.56	0.08	<10	<2
AER22TS-1023	Till	11.0	4.04	16.95	3.44	0.69	3.04	0.39	2.22	0.38	0.99	0.12	0.74	0.10	<10	<2
AER22TS-1024	Rock Pulp	8.5	5.00	18.10	2.71	0.57	1.74	0.20	1.13	0.19	0.53	0.07	0.47	0.06	46	28
AER22TS-1025	Till	9.5	4.03	16.47	3.13	0.55	2.59	0.32	1.80	0.30	0.80	0.10	0.61	0.08	<10	<2
AER22TS-1026	Till	12.7	3.66	16.81	3.99	0.84	3.89	0.51	2.85	0.49	1.25	0.14	0.81	0.11	<10	<2
AER22TS-1027	Till	10.1	3.37	14.11	2.90	0.56	2.61	0.33	1.94	0.34	0.89	0.11	0.69	0.09	<10	<2
AER22TS-1028	Till	13.9	6.96	27.82	5.81	1.19	5.27	0.67	3.85	0.69	1.85	0.23	1.48	0.21	<10	<2
AER22TS-1029	Till	22.8	2.52	12.29	3.63	0.88	4.25	0.57	3.12	0.53	1.33	0.15	0.86	0.11	<10	<2
AER22TS-1030	Till	10.5	6.02	22.50	4.28	0.75	3.20	0.37	1.87	0.29	0.72	0.09	0.55	0.07	<10	<2



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Method		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-1031	Till	3.06	608	2	16.1	9.4	15.0	7.4	11.3	136.5	3	104.4	0.8	11.9	2.5	62	2.1	278.4	24.7	32.7	66.0
AER22TS-1032	Pulp DUP		635	<1	15.2	9.8	16.5	7.5	11.9	141.0	3	105.4	0.9	12.2	2.9	67	2.4	292.4	25.6	33.4	67.1
AER22TS-1033	Till	2.24	755	3	8.1	4.0	11.2	5.8	9.1	65.1	1	239.0	0.7	8.1	2.5	88	1.6	232.4	21.0	25.4	47.7
AER22TS-1034	Till	2.50	532	<1	8.4	4.8	10.8	8.2	11.6	67.0	1	145.7	0.9	9.4	2.8	70	2.2	333.1	27.1	32.2	61.1
AER22TS-1035	Till	2.53	606	1	42.7	7.4	12.2	7.3	10.6	88.1	2	88.4	0.8	10.6	3.3	83	1.7	276.7	26.6	31.1	58.6
AER22TS-1036	Till	2.32	717	<1	7.4	3.9	8.6	5.4	8.9	53.8	1	201.5	0.6	6.7	2.5	95	1.0	207.4	20.6	22.0	38.6
AER22TS-1037	Till	2.35	748	<1	7.8	4.4	10.8	7.9	10.5	67.0	2	173.0	0.8	9.4	2.9	84	1.2	289.2	24.9	28.2	54.3
AER22TS-1038	Till	1.80	655	<1	7.4	3.9	12.0	10.5	10.8	67.5	2	120.2	0.7	10.1	3.0	91	1.5	395.2	25.3	29.8	55.5
AER22TS-1039	Till	2.12	851	<1	7.5	5.2	12.0	5.8	9.3	70.4	2	205.3	0.7	8.7	2.6	89	1.2	225.2	22.1	25.4	48.4
AER22TS-1040	Till	2.00	555	<1	6.0	3.2	8.6	9.2	9.3	55.9	<1	129.8	0.7	8.6	2.9	76	1.4	352.4	22.4	25.0	48.6
AER22TS-1041	Till	2.56	450	4	7.1	2.4	10.1	11.4	8.4	40.1	4	151.3	0.6	7.5	3.0	67	1.0	447.5	22.1	27.9	52.5
AER22TS-1042	Till	1.96	1092	5	8.7	3.6	10.4	7.1	10.3	64.0	2	211.6	0.8	9.1	3.0	84	1.9	277.6	24.0	26.8	50.6
AER22TS-1043	Till	2.60	656	<1	7.7	2.6	9.4	12.0	8.8	51.4	<1	130.4	0.7	8.7	2.7	71	1.1	476.4	23.0	26.7	51.1
AER22TS-1044	Till	2.21	769	1	8.5	3.7	10.2	6.8	9.3	59.2	1	209.2	0.6	8.4	2.5	86	1.3	277.5	22.2	25.5	48.8
AER22TS-1045	Till	2.15	714	4	8.3	3.3	9.7	6.9	9.0	57.9	1	183.4	0.6	8.0	2.6	81	1.2	274.3	21.4	24.9	46.9
AER22TS-1046	Till	2.77	464	<1	5.6	2.5	7.8	10.9	7.4	40.9	1	163.5	0.7	6.0	2.5	63	1.2	438.0	19.7	20.2	38.8
AER22TS-1047	Till	2.00	679	<1	7.7	3.7	9.4	8.1	12.1	64.0	2	153.9	0.8	9.8	3.5	80	1.3	332.2	26.9	33.1	62.3
AER22TS-1048	Till	2.14	771	4	8.1	4.4	11.9	7.3	9.4	68.9	1	189.3	0.6	10.4	2.5	99	1.1	298.8	25.8	31.6	56.1
AER22TS-1049	Till	2.13	1012	1	7.0	4.0	10.7	6.2	8.4	62.5	2	158.2	0.6	7.9	2.4	89	1.3	240.2	20.1	24.7	46.0
AER22TS-1050	Till	2.68	6450	<1	13.0	8.7	15.0	5.4	11.0	109.0	2	348.1	0.9	10.4	3.0	138	1.6	183.5	25.3	34.1	59.0
AER22TS-1051	Till	2.76	586	3	7.0	3.5	8.7	7.7	8.5	59.7	1	133.8	0.6	7.1	2.4	77	1.5	293.9	21.4	23.5	43.0
AER22TS-1052	Till	1.65	614	<1	8.0	5.7	14.6	4.6	9.6	85.9	1	197.0	0.7	9.4	2.6	129	1.3	167.6	20.7	27.7	51.3
AER22TS-1053	Till	2.21	566	2	6.1	3.1	7.9	7.8	8.7	50.4	<1	142.5	0.4	6.8	2.6	68	1.2	318.4	23.2	23.9	45.5
AER22TS-1054	Till	2.28	543	<1	8.2	3.6	8.2	6.2	7.5	58.4	2	100.1	0.5	7.0	2.5	80	1.5	249.7	22.5	23.4	43.2
AER22TS-1055	Till	2.77	568	2	8.5	3.9	9.0	6.0	7.9	62.7	1	102.7	0.6	7.1	2.5	81	1.0	227.4	22.1	24.4	43.7
AER22TS-1056	Pulp DUP		557	<1	8.2	3.7	8.2	5.6	7.7	59.6	<1	98.4	0.5	7.4	2.4	80	1.5	216.8	21.8	24.0	45.1
AER22TS-1057	Till	2.17	1185	2	5.2	2.7	8.2	8.8	8.7	49.4	<1	270.1	0.7	7.2	3.0	73	2.0	336.8	19.9	24.6	44.6
AER22TS-1058	Till	2.09	777	<1	6.2	3.4	9.3	8.4	9.2	60.2	2	150.6	0.6	7.6	3.0	82	1.7	327.2	21.1	25.2	46.7
AER22TS-1059	Rock Pulp	0.07	443	<1	48.7	1.5	13.2	3.7	15.5	37.1	6	365.8	0.5	3.9	0.7	54	1.0	152.8	11.4	29.0	51.2
AER22TS-1060	Till	2.25	691	2	6.7	2.8	8.7	10.9	8.3	51.7	<1	190.0	0.7	8.0	2.5	74	0.9	432.2	22.1	24.9	47.1



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AER

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CERTIFICATE OF ANALYSIS

VAN22003128.1

Method Analyte Unit MDL		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-1031	Till	8.02	30.4	5.31	1.05	4.83	0.73	4.46	0.86	2.81	0.40	2.78	0.43	0.4	9.0	16.6	36	15.0	6.0	<0.1	0.4
AER22TS-1032	Pulp DUP	8.01	30.4	5.41	1.05	4.98	0.74	4.50	0.88	2.76	0.39	2.78	0.45	0.4	9.2	17.3	38	15.5	6.3	<0.1	0.4
AER22TS-1033	Till	5.99	22.9	3.92	0.93	3.92	0.56	3.43	0.72	2.00	0.28	1.91	0.31	0.3	17.1	9.9	53	19.6	5.0	0.4	0.2
AER22TS-1034	Till	7.72	30.0	5.55	1.12	5.19	0.75	4.29	0.89	2.70	0.40	2.60	0.40	0.5	18.3	12.1	62	14.4	5.9	0.4	0.3
AER22TS-1035	Till	7.71	28.4	5.32	1.11	4.93	0.80	4.65	1.02	2.91	0.43	2.75	0.46	0.7	20.2	13.5	64	16.7	6.9	0.5	0.2
AER22TS-1036	Till	5.31	20.6	3.99	0.96	3.74	0.58	3.38	0.69	2.12	0.30	2.00	0.32	1.0	23.3	10.8	69	19.0	6.6	0.7	0.2
AER22TS-1037	Till	6.98	26.4	4.85	1.00	4.59	0.68	3.98	0.89	2.53	0.38	2.53	0.42	0.3	12.6	9.2	47	17.0	4.4	0.3	0.1
AER22TS-1038	Till	7.44	29.5	5.39	1.14	5.04	0.73	4.36	0.95	2.86	0.43	2.81	0.44	0.4	17.4	11.6	63	21.5	6.4	0.2	0.2
AER22TS-1039	Till	6.30	23.7	4.25	0.95	4.12	0.61	3.84	0.76	2.37	0.35	2.29	0.34	0.3	16.1	9.8	56	18.5	5.0	0.4	0.1
AER22TS-1040	Till	6.31	24.2	4.59	0.90	4.05	0.63	3.89	0.78	2.35	0.35	2.40	0.36	0.3	13.2	7.9	49	15.3	4.6	0.4	0.2
AER22TS-1041	Till	6.58	25.1	4.44	0.98	4.10	0.61	3.74	0.75	2.27	0.33	2.35	0.38	3.0	8.1	9.7	41	29.2	2.9	0.3	<0.1
AER22TS-1042	Till	6.45	24.7	4.60	1.01	4.22	0.66	3.84	0.79	2.44	0.37	2.42	0.39	0.8	16.7	11.0	58	21.8	8.2	0.4	0.2
AER22TS-1043	Till	6.54	24.9	4.63	0.93	4.33	0.66	3.86	0.83	2.35	0.37	2.57	0.40	0.5	18.4	9.6	55	22.4	8.3	0.4	0.2
AER22TS-1044	Till	6.32	24.8	4.28	1.01	4.17	0.65	3.83	0.74	2.29	0.34	2.20	0.36	0.4	19.3	10.7	60	23.6	7.3	0.4	0.2
AER22TS-1045	Till	6.00	22.5	4.08	0.87	3.81	0.61	3.59	0.77	2.25	0.31	2.08	0.36	0.4	17.5	9.3	57	22.0	6.7	0.4	0.2
AER22TS-1046	Till	5.09	18.9	3.62	0.85	3.47	0.54	3.21	0.65	2.10	0.30	2.08	0.34	1.1	10.2	7.8	46	13.0	7.3	0.4	0.1
AER22TS-1047	Till	7.84	29.4	5.42	1.06	4.96	0.76	4.42	0.90	2.70	0.40	2.83	0.44	0.5	15.8	10.6	63	18.0	5.8	0.4	0.2
AER22TS-1048	Till	7.47	29.6	5.51	1.10	4.98	0.75	4.46	0.93	2.55	0.36	2.55	0.38	0.4	21.5	11.4	62	21.5	6.2	0.6	0.1
AER22TS-1049	Till	5.86	21.3	4.08	0.90	3.96	0.58	3.74	0.74	2.17	0.30	2.10	0.30	0.5	20.2	10.4	60	19.9	5.5	0.4	0.2
AER22TS-1050	Till	7.84	29.5	5.17	1.22	4.82	0.69	4.21	0.82	2.42	0.36	2.35	0.36	0.2	16.7	15.3	75	22.1	5.4	0.4	0.1
AER22TS-1051	Till	5.63	21.2	3.99	0.85	3.80	0.55	3.52	0.70	2.09	0.30	2.14	0.31	0.3	14.4	9.3	53	15.5	5.5	0.5	0.2
AER22TS-1052	Till	6.57	23.8	4.44	0.93	4.11	0.58	3.55	0.73	2.14	0.31	2.03	0.32	0.4	24.4	11.1	72	23.8	5.6	0.4	0.1
AER22TS-1053	Till	5.74	23.5	4.05	0.83	3.93	0.55	3.47	0.71	2.16	0.32	2.11	0.34	0.3	12.5	8.3	46	16.4	5.3	0.4	0.2
AER22TS-1054	Till	5.66	21.6	4.04	0.87	3.83	0.59	3.66	0.71	2.09	0.29	2.13	0.31	0.5	15.9	11.5	58	18.7	4.2	0.7	0.2
AER22TS-1055	Till	5.77	21.7	4.17	0.85	3.96	0.59	3.40	0.73	2.17	0.29	2.00	0.32	0.5	15.7	10.7	59	19.0	4.3	0.7	0.2
AER22TS-1056	Pulp DUP	5.76	23.0	3.98	0.85	3.91	0.58	3.52	0.75	2.17	0.30	2.08	0.32	0.5	16.0	10.8	60	19.4	4.5	0.7	0.1
AER22TS-1057	Till	5.69	20.6	3.91	0.83	3.70	0.57	3.26	0.70	2.09	0.30	2.16	0.32	0.4	13.2	8.1	48	15.8	6.4	0.4	0.2
AER22TS-1058	Till	5.97	22.9	4.19	0.88	3.99	0.58	3.49	0.70	2.13	0.33	2.18	0.35	0.5	14.4	8.2	51	15.7	4.8	0.3	0.2
AER22TS-1059	Rock Pulp	6.38	23.6	3.62	0.92	2.62	0.34	1.84	0.37	1.05	0.15	1.05	0.14	11.8	159.0	265.2	211	79.6	9.4	0.5	0.2
AER22TS-1060	Till	6.17	23.3	4.30	0.83	4.03	0.58	3.44	0.73	2.19	0.33	2.33	0.35	0.4	13.3	8.8	43	15.3	5.2	0.3	0.2



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-1031	Till	0.3	0.1	2.4	0.10	0.3	<0.5	66.06	13.66	3.93	2.06	1.50	1.36	3.15	0.56	0.09	0.03	0.005	636	<20	112
AER22TS-1032	Pulp DUP	0.3	0.1	2.4	0.10	0.3	<0.5	65.72	13.82	3.99	2.08	1.51	1.39	3.21	0.57	0.09	0.03	0.006	642	<20	113
AER22TS-1033	Till	0.1	0.2	1.4	0.05	0.2	0.8	48.85	9.41	3.09	2.90	13.95	0.50	1.61	0.46	0.16	0.05	0.007	738	26	254
AER22TS-1034	Till	0.2	0.1	1.5	0.05	0.2	<0.5	64.64	9.28	3.01	2.70	6.17	0.96	1.66	0.57	0.16	0.05	0.006	538	<20	158
AER22TS-1035	Till	0.2	<0.1	1.2	0.03	0.2	<0.5	60.93	11.35	3.42	3.15	5.93	0.81	2.36	0.58	0.17	0.06	0.006	670	21	101
AER22TS-1036	Till	0.1	0.3	1.1	0.07	0.2	0.5	50.77	8.04	2.81	2.08	15.14	0.72	1.40	0.45	0.15	0.04	0.006	792	20	234
AER22TS-1037	Till	0.1	0.1	0.9	0.03	0.2	<0.5	61.80	9.68	2.98	2.96	7.37	1.01	1.73	0.57	0.14	0.05	0.007	795	<20	193
AER22TS-1038	Till	0.2	0.1	1.2	0.03	0.2	<0.5	70.94	11.65	3.62	1.17	1.01	1.05	1.92	0.61	0.09	0.05	0.008	689	24	133
AER22TS-1039	Till	0.2	0.1	1.0	0.04	0.2	<0.5	54.58	10.00	3.19	3.13	10.03	0.51	1.72	0.50	0.15	0.05	0.007	901	22	223
AER22TS-1040	Till	0.1	<0.1	0.7	0.02	0.1	<0.5	63.00	8.40	2.58	3.17	7.59	0.72	1.64	0.52	0.16	0.04	0.007	568	<20	146
AER22TS-1041	Till	<0.1	<0.1	0.7	0.03	<0.1	0.6	53.95	9.66	2.59	4.17	10.25	0.57	1.02	0.46	0.16	0.06	0.009	470	30	168
AER22TS-1042	Till	0.1	0.1	1.0	0.04	0.2	<0.5	59.03	9.70	3.40	2.67	8.73	0.87	1.75	0.56	0.16	0.07	0.008	1125	23	234
AER22TS-1043	Till	0.1	0.1	1.7	0.06	0.2	0.6	56.66	8.29	2.94	1.75	10.71	0.75	1.51	0.52	0.23	0.06	0.008	684	23	142
AER22TS-1044	Till	0.1	0.1	1.6	0.05	0.2	0.6	53.72	9.20	3.24	2.32	11.99	0.71	1.62	0.52	0.17	0.05	0.008	797	25	227
AER22TS-1045	Till	0.1	0.1	1.5	0.04	0.2	<0.5	54.61	9.02	3.13	2.33	11.36	0.80	1.65	0.51	0.18	0.05	0.008	759	23	200
AER22TS-1046	Till	<0.1	0.1	0.6	0.03	0.1	0.5	42.32	7.80	2.28	3.57	19.41	0.39	1.08	0.37	0.12	0.10	0.005	477	<20	174
AER22TS-1047	Till	0.1	<0.1	1.0	0.04	0.2	<0.5	62.06	8.52	2.78	3.03	8.07	0.71	1.76	0.63	0.19	0.05	0.006	700	<20	164
AER22TS-1048	Till	0.2	0.2	1.1	0.02	0.2	<0.5	52.54	10.63	3.58	2.46	10.88	0.68	1.76	0.52	0.16	0.05	0.009	817	23	205
AER22TS-1049	Till	0.2	0.2	1.1	0.04	0.2	0.5	52.23	9.80	3.25	2.82	11.28	0.59	1.65	0.47	0.17	0.04	0.007	1052	22	176
AER22TS-1050	Till	0.3	0.3	7.6	0.24	0.2	<0.5	63.42	13.41	4.53	1.83	3.11	0.57	2.46	0.59	0.05	0.02	0.010	7756	30	422
AER22TS-1051	Till	0.1	0.1	0.9	0.02	0.2	<0.5	47.32	8.01	2.58	4.10	15.59	0.42	1.56	0.41	0.15	0.05	0.005	596	<20	138
AER22TS-1052	Till	0.2	0.1	1.3	0.04	0.2	<0.5	51.84	12.54	4.08	2.98	8.37	0.50	1.99	0.52	0.16	0.04	0.009	627	31	215
AER22TS-1053	Till	<0.1	0.1	1.4	0.03	0.2	0.6	56.70	7.05	2.14	2.09	12.58	0.58	1.45	0.46	0.16	0.04	0.005	588	<20	145
AER22TS-1054	Till	0.1	<0.1	1.0	0.04	0.2	<0.5	48.60	8.12	2.62	3.96	15.01	0.36	1.57	0.41	0.16	0.07	0.005	578	21	106
AER22TS-1055	Till	0.1	<0.1	1.0	0.03	0.2	<0.5	48.88	8.26	2.66	3.86	14.78	0.44	1.65	0.42	0.14	0.07	0.007	580	21	107
AER22TS-1056	Pulp DUP	0.1	<0.1	2.3	0.03	0.2	<0.5	48.98	8.27	2.68	3.89	14.76	0.36	1.62	0.41	0.14	0.07	0.006	584	<20	107
AER22TS-1057	Till	0.1	0.2	1.5	0.04	0.2	0.5	50.90	7.39	2.43	2.83	15.07	0.55	1.43	0.45	0.15	0.05	0.006	1228	<20	272
AER22TS-1058	Till	0.1	<0.1	1.0	0.03	0.2	<0.5	61.94	9.03	2.79	3.32	7.40	0.85	1.71	0.50	0.16	0.04	0.007	824	<20	162
AER22TS-1059	Rock Pulp	0.1	0.1	35.9	0.02	<0.1	<0.5	72.36	12.08	4.02	1.73	3.27	3.42	1.46	0.38	0.13	0.07	0.014	473	90	400
AER22TS-1060	Till	0.1	0.1	0.8	0.04	0.1	<0.5	54.69	8.12	2.60	2.61	12.87	0.70	1.47	0.46	0.16	0.04	0.008	720	<20	200



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Method		LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Unit		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
MDL		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-1031	Till	292	24	10	9	7.4	99.93	0.57	0.25	<0.02	1.16	0.55	9.64	18.13	38.8	139	15.7	15.3	193	1.63	6.7
AER22TS-1032	Pulp DUP	309	25	14	9	7.4	99.92	0.58	0.30	<0.02	1.02	0.53	9.58	17.74	39.0	134	15.7	15.4	192	1.62	6.6
AER22TS-1033	Till	222	20	10	8	18.8	99.91	4.11	0.89	<0.02	11.75	0.35	17.21	10.27	54.8	201	19.4	7.0	366	1.57	4.9
AER22TS-1034	Till	343	26	9	7	10.6	99.92	2.08	0.48	<0.02	5.83	0.60	19.06	12.95	65.1	150	14.9	7.5	334	1.56	6.1
AER22TS-1035	Till	313	28	14	9	11.0	99.90	1.84	0.29	<0.02	5.67	0.76	19.07	13.28	62.2	58	15.9	7.5	384	1.55	7.3
AER22TS-1036	Till	233	20	10	8	18.2	99.91	4.47	1.13	<0.02	12.21	1.01	22.13	10.63	68.4	267	18.3	7.5	269	1.58	6.8
AER22TS-1037	Till	344	24	13	8	11.5	99.92	2.15	0.31	<0.02	6.75	0.37	12.41	9.64	47.8	111	16.7	6.5	369	1.39	4.7
AER22TS-1038	Till	431	27	10	9	7.7	99.95	0.95	0.93	<0.02	<0.08	0.51	16.66	11.70	63.2	128	20.4	6.5	315	1.92	6.2
AER22TS-1039	Till	250	23	9	8	15.9	99.90	2.97	0.49	<0.02	9.05	0.41	15.85	10.33	58.0	98	18.4	6.9	380	1.47	5.4
AER22TS-1040	Till	387	23	10	7	11.9	99.91	2.27	0.25	<0.02	7.36	0.40	12.86	7.94	49.1	68	14.9	5.3	278	1.20	4.5
AER22TS-1041	Till	512	20	6	5	16.8	99.88	3.04	0.36	<0.02	9.81	3.58	8.07	10.08	41.9	52	29.1	6.1	380	1.10	3.1
AER22TS-1042	Till	275	22	12	8	12.8	99.92	2.52	0.51	<0.02	7.31	0.90	16.07	12.09	59.5	115	21.4	7.8	492	1.73	8.0
AER22TS-1043	Till	474	23	11	7	16.4	99.94	4.01	1.76	0.03	8.10	0.55	17.34	9.34	53.8	142	21.3	7.0	378	1.56	8.5
AER22TS-1044	Till	297	21	6	8	16.2	99.92	3.55	0.93	<0.02	9.53	0.49	17.56	10.31	56.4	119	21.4	7.4	346	1.67	7.0
AER22TS-1045	Till	291	21	13	8	16.1	99.92	3.61	1.14	<0.02	8.99	0.44	17.06	10.09	57.6	130	21.5	7.9	330	1.63	7.1
AER22TS-1046	Till	426	20	9	6	22.3	99.90	5.08	0.46	<0.02	16.91	1.09	9.48	7.85	44.9	99	12.3	5.1	719	1.24	7.3
AER22TS-1047	Till	349	27	9	7	12.0	99.90	2.44	0.42	<0.02	7.38	0.56	15.05	10.51	62.5	91	17.4	6.5	346	1.39	5.9
AER22TS-1048	Till	300	25	11	9	16.5	99.91	3.50	1.23	<0.02	8.27	0.42	20.88	12.18	63.5	163	21.5	7.8	321	1.84	6.0
AER22TS-1049	Till	242	21	7	8	17.4	99.89	4.02	1.42	<0.02	9.48	0.60	19.64	10.55	60.3	165	19.6	6.6	262	1.65	5.8
AER22TS-1050	Till	201	26	10	11	9.0	99.91	0.92	0.28	<0.02	2.33	0.29	16.31	16.04	77.6	256	22.1	11.6	124	1.84	5.6
AER22TS-1051	Till	301	21	8	7	19.6	99.90	4.56	0.63	<0.02	14.39	0.36	13.79	9.15	53.8	144	15.4	5.9	385	1.33	5.2
AER22TS-1052	Till	190	21	9	11	16.8	99.90	3.27	1.43	0.03	6.65	0.45	23.46	11.69	71.9	127	23.0	7.3	255	2.04	5.4
AER22TS-1053	Till	317	21	10	6	16.5	99.94	4.14	1.98	0.02	7.86	0.29	11.89	8.56	45.8	128	15.9	5.2	278	1.10	5.5
AER22TS-1054	Till	266	22	11	7	18.9	99.89	4.23	0.46	<0.02	13.80	0.51	14.81	11.24	57.4	91	18.1	7.3	478	1.29	4.1
AER22TS-1055	Till	248	23	9	7	18.6	99.90	4.22	0.53	<0.02	13.49	0.56	16.31	10.93	60.1	91	19.1	7.8	509	1.39	4.2
AER22TS-1056	Pulp DUP	243	22	10	7	18.6	99.89	4.11	0.47	<0.02	13.32	0.59	15.79	10.97	60.6	94	19.3	7.8	514	1.36	4.1
AER22TS-1057	Till	331	21	10	6	18.4	99.92	4.50	0.98	<0.02	12.84	0.38	12.97	8.54	49.2	183	16.0	5.2	347	1.31	6.1
AER22TS-1058	Till	348	23	8	7	12.0	99.90	2.25	0.31	<0.02	7.10	0.59	13.84	8.45	52.3	84	15.6	5.1	247	1.37	4.8
AER22TS-1059	Rock Pulp	168	11	16	9	0.8	99.87	0.07	0.05	<0.02	<0.08	12.20	154.29	270.57	212.6	111	80.4	47.6	278	1.60	9.4
AER22TS-1060	Till	446	23	13	7	16.0	99.91	3.70	0.82	<0.02	10.55	0.38	13.05	9.05	44.5	109	15.5	5.5	240	1.31	5.1



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-1031	Till	0.6	2.9	8.7	36.5	0.07	0.82	0.35	12	0.96	0.033	23.7	13.2	0.80	173.9	0.006	3	1.40	0.007	0.40	<0.1
AER22TS-1032	Pulp DUP	0.6	2.4	8.4	36.9	0.08	0.70	0.35	12	0.95	0.033	23.2	13.4	0.80	171.9	0.005	3	1.42	0.007	0.41	<0.1
AER22TS-1033	Till	0.8	1.4	3.9	193.9	0.39	0.28	0.14	22	9.13	0.064	14.0	15.7	1.39	358.8	0.004	4	1.34	0.009	0.13	<0.1
AER22TS-1034	Till	0.6	1.6	4.3	85.2	0.48	0.38	0.20	17	4.24	0.065	15.4	10.0	1.32	200.7	0.006	2	1.03	0.006	0.12	<0.1
AER22TS-1035	Till	0.6	2.6	5.2	55.2	0.57	0.45	0.22	17	3.80	0.066	15.5	10.8	1.35	358.2	0.002	2	1.13	0.005	0.17	<0.1
AER22TS-1036	Till	0.6	1.6	2.7	151.9	0.72	0.43	0.14	27	10.43	0.059	9.5	11.8	1.02	461.3	0.004	4	0.93	0.008	0.10	<0.1
AER22TS-1037	Till	0.9	1.2	5.1	124.8	0.35	0.35	0.16	21	4.69	0.053	15.4	12.1	1.38	399.1	0.004	3	1.12	0.200	0.13	<0.1
AER22TS-1038	Till	0.7	1.7	4.7	23.6	0.23	0.38	0.18	31	0.41	0.026	18.8	17.8	0.44	227.3	0.010	3	1.77	0.007	0.19	<0.1
AER22TS-1039	Till	0.9	1.6	4.7	181.8	0.44	0.35	0.16	26	6.68	0.057	14.7	12.9	1.47	573.1	0.003	3	1.24	0.061	0.16	<0.1
AER22TS-1040	Till	0.8	1.1	4.3	79.9	0.36	0.35	0.12	19	4.94	0.063	13.4	10.5	1.50	173.7	0.004	2	0.83	0.007	0.10	<0.1
AER22TS-1041	Till	1.0	0.8	4.0	135.1	0.33	0.18	0.08	20	6.85	0.066	15.4	36.9	1.94	257.4	0.003	1	0.87	0.061	0.09	<0.1
AER22TS-1042	Till	1.0	1.6	4.8	149.4	0.42	0.37	0.15	26	5.63	0.063	15.7	16.6	1.25	691.9	0.007	4	1.17	0.041	0.14	<0.1
AER22TS-1043	Till	0.7	2.1	1.8	63.7	0.49	0.41	0.12	26	7.12	0.090	13.5	15.2	0.82	277.4	0.005	4	1.20	0.007	0.14	<0.1
AER22TS-1044	Till	0.8	1.7	3.6	153.7	0.40	0.35	0.14	28	7.82	0.066	14.7	16.8	1.08	374.6	0.006	4	1.19	0.008	0.13	<0.1
AER22TS-1045	Till	0.8	1.8	2.9	128.1	0.42	0.32	0.14	28	7.65	0.073	14.8	16.4	1.12	347.4	0.007	5	1.24	0.008	0.13	<0.1
AER22TS-1046	Till	0.6	1.0	3.2	142.5	0.40	0.24	0.08	21	12.94	0.050	12.6	9.7	1.81	230.7	0.002	2	0.79	0.006	0.07	<0.1
AER22TS-1047	Till	1.1	1.3	5.4	96.5	0.45	0.37	0.14	21	5.29	0.074	18.7	12.0	1.48	254.7	0.007	3	0.93	0.009	0.11	<0.1
AER22TS-1048	Till	0.8	1.3	4.1	135.1	0.60	0.31	0.17	35	7.28	0.062	20.3	20.2	1.15	436.3	0.007	6	1.64	0.009	0.24	<0.1
AER22TS-1049	Till	0.7	1.4	3.6	117.0	0.41	0.32	0.16	31	7.59	0.064	14.5	17.0	1.35	699.5	0.004	5	1.36	0.010	0.16	<0.1
AER22TS-1050	Till	1.3	8.3	7.0	272.7	0.48	0.40	0.29	27	1.97	0.012	20.9	15.7	0.60	2756.7	0.001	2	1.62	0.300	0.28	<0.1
AER22TS-1051	Till	0.6	0.9	3.7	96.2	0.51	0.23	0.14	23	10.42	0.062	12.2	11.5	2.12	264.8	0.002	2	0.97	0.007	0.13	<0.1
AER22TS-1052	Till	0.9	1.5	5.4	160.7	0.36	0.25	0.21	37	5.57	0.059	16.0	21.9	1.35	255.9	0.003	5	1.74	0.019	0.23	<0.1
AER22TS-1053	Till	0.7	4.5	1.9	90.1	0.42	0.31	0.10	20	8.38	0.067	12.7	10.1	1.02	214.2	0.004	4	0.90	0.017	0.09	<0.1
AER22TS-1054	Till	0.7	1.4	4.2	73.0	0.69	0.30	0.14	23	10.01	0.061	14.1	11.6	1.99	276.5	0.002	2	0.94	0.007	0.13	<0.1
AER22TS-1055	Till	0.7	1.1	4.4	71.9	0.72	0.29	0.15	24	9.91	0.060	14.8	12.0	1.92	287.0	0.002	3	0.99	0.007	0.14	<0.1
AER22TS-1056	Pulp DUP	0.7	1.1	4.4	72.5	0.72	0.38	0.15	23	10.13	0.060	14.5	11.7	1.94	288.2	0.002	3	0.96	0.007	0.14	<0.1
AER22TS-1057	Till	1.2	1.0	2.9	219.1	0.44	0.29	0.11	23	10.33	0.064	12.6	12.3	1.43	946.5	0.004	5	1.01	0.023	0.13	<0.1
AER22TS-1058	Till	0.9	1.0	4.0	81.4	0.33	0.30	0.14	23	4.61	0.063	11.1	13.2	1.61	351.5	0.004	3	0.94	0.039	0.13	<0.1
AER22TS-1059	Rock Pulp	0.4	37.4	3.0	33.1	0.48	0.20	0.14	25	0.59	0.056	23.8	31.6	0.49	59.6	0.073	1	0.81	0.095	0.12	<0.1
AER22TS-1060	Till	0.7	1.0	3.6	133.0	0.33	0.24	0.13	23	8.49	0.063	13.4	12.3	1.30	372.0	0.003	4	0.97	0.007	0.12	<0.1



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		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
AER22TS-1031	Till	3.0	0.34	<0.02	102	0.1	0.03	4.0	3.40	<0.1	0.16	0.06	31.4	1.6	<0.05	5.9	7.94	51.8	0.03	<1	1.0
AER22TS-1032	Pulp DUP	3.0	0.32	<0.02	105	0.2	0.03	4.1	3.19	<0.1	0.13	0.04	31.3	1.7	<0.05	5.0	8.01	49.2	0.03	<1	1.0
AER22TS-1033	Till	3.4	0.20	<0.02	58	0.5	0.03	3.7	1.12	<0.1	0.09	0.19	12.2	0.5	<0.05	4.4	10.41	27.1	<0.02	<1	0.7
AER22TS-1034	Till	2.7	0.24	<0.02	54	0.3	0.05	3.2	1.49	<0.1	0.05	0.13	12.6	0.6	<0.05	2.0	11.08	32.9	0.02	<1	0.6
AER22TS-1035	Till	3.1	0.17	<0.02	30	0.2	0.04	2.9	1.59	<0.1	0.09	0.04	11.5	0.8	<0.05	3.2	10.92	34.4	0.02	<1	0.7
AER22TS-1036	Till	3.5	0.17	<0.02	72	0.5	0.05	2.5	0.93	<0.1	0.05	0.33	8.5	0.6	<0.05	2.5	11.58	17.8	0.02	<1	0.6
AER22TS-1037	Till	2.8	0.18	0.02	35	0.1	0.04	2.9	1.20	<0.1	0.12	0.06	13.0	1.0	<0.05	5.2	10.99	32.1	<0.02	<1	0.6
AER22TS-1038	Till	3.7	0.19	<0.02	32	0.2	0.03	4.8	1.30	<0.1	0.21	0.27	16.9	1.5	<0.05	8.4	13.40	37.2	0.03	<1	0.8
AER22TS-1039	Till	3.2	0.20	0.02	35	0.3	0.05	3.4	1.27	<0.1	0.10	0.15	13.9	1.0	<0.05	4.5	11.76	30.7	0.02	<1	0.7
AER22TS-1040	Till	2.4	0.14	<0.02	27	0.1	0.03	2.4	0.95	<0.1	0.12	0.07	9.0	0.4	<0.05	4.9	10.06	27.1	<0.02	<1	0.5
AER22TS-1041	Till	1.9	0.09	<0.02	28	0.5	0.03	2.5	0.73	<0.1	0.06	0.10	6.8	4.0	<0.05	2.3	10.51	31.5	<0.02	<1	0.6
AER22TS-1042	Till	3.3	0.22	0.03	53	0.4	0.04	3.4	1.18	<0.1	0.11	0.13	13.2	1.4	<0.05	6.0	11.85	31.6	0.02	<1	0.6
AER22TS-1043	Till	2.2	0.18	0.03	58	0.6	0.03	3.3	0.75	<0.1	0.10	0.28	11.1	0.4	<0.05	3.3	11.08	26.2	0.02	<1	0.6
AER22TS-1044	Till	3.2	0.21	0.02	55	0.4	0.03	3.5	1.08	<0.1	0.08	0.28	12.6	0.6	<0.05	3.9	11.17	29.7	0.02	<1	0.6
AER22TS-1045	Till	2.8	0.20	0.02	37	0.4	0.03	3.6	1.00	<0.1	0.10	0.33	12.4	0.5	<0.05	3.7	11.14	29.4	0.02	<1	0.6
AER22TS-1046	Till	2.8	0.13	<0.02	29	0.3	0.03	2.7	0.73	<0.1	0.08	0.07	6.1	0.5	<0.05	3.2	10.29	24.9	<0.02	<1	0.5
AER22TS-1047	Till	2.6	0.19	<0.02	30	0.3	0.04	2.8	1.20	<0.1	0.12	0.13	12.1	0.7	<0.05	5.6	12.06	37.5	0.02	<1	0.5
AER22TS-1048	Till	3.9	0.21	0.02	27	0.3	0.05	4.6	1.14	<0.1	0.11	0.36	18.7	1.1	<0.05	4.7	16.86	37.3	0.03	<1	0.8
AER22TS-1049	Till	3.4	0.20	0.03	32	0.4	0.04	3.9	1.09	<0.1	0.09	0.29	14.4	0.8	<0.05	4.3	11.95	28.6	0.02	<1	0.7
AER22TS-1050	Till	4.2	0.24	0.07	266	0.3	0.08	4.0	1.35	<0.1	0.12	<0.02	18.0	1.6	<0.05	4.1	14.25	38.8	0.03	<1	0.7
AER22TS-1051	Till	2.9	0.14	<0.02	36	0.3	0.03	2.9	0.96	<0.1	0.08	0.10	10.8	0.8	<0.05	3.7	10.39	25.3	<0.02	<1	0.6
AER22TS-1052	Till	4.7	0.22	<0.02	47	0.2	0.03	5.0	1.13	<0.1	0.17	0.24	18.1	0.8	<0.05	7.7	12.77	32.1	0.03	<1	0.9
AER22TS-1053	Till	1.8	0.17	0.03	32	0.4	0.03	2.7	0.93	<0.1	0.04	0.20	8.5	0.3	<0.05	1.5	9.93	25.2	<0.02	<1	0.5
AER22TS-1054	Till	3.0	0.21	<0.02	36	0.3	0.04	2.7	1.09	<0.1	0.09	0.04	12.1	1.0	<0.05	3.6	12.03	28.1	0.02	<1	0.5
AER22TS-1055	Till	3.1	0.23	<0.02	36	0.2	0.03	2.8	1.19	<0.1	0.11	0.04	12.9	0.8	<0.05	4.3	12.20	29.4	<0.02	<1	0.6
AER22TS-1056	Pulp DUP	3.1	0.23	<0.02	35	0.3	0.04	2.8	1.23	<0.1	0.11	0.04	12.4	0.8	<0.05	4.6	12.60	29.6	<0.02	<1	0.6
AER22TS-1057	Till	2.4	0.18	0.05	49	0.4	0.03	2.9	0.87	<0.1	0.06	0.21	9.7	0.6	<0.05	2.5	10.02	25.1	<0.02	<1	0.5
AER22TS-1058	Till	2.8	0.17	0.20	28	0.3	0.03	2.7	1.03	<0.1	0.12	0.07	11.4	0.9	<0.05	5.1	9.64	22.8	<0.02	1	0.5
AER22TS-1059	Rock Pulp	2.9	0.08	0.04	17	<0.1	<0.02	2.6	1.07	<0.1	0.17	0.36	7.0	2.3	<0.05	6.1	5.69	41.1	0.04	<1	0.2
AER22TS-1060	Till	2.6	0.14	<0.02	35	0.3	0.04	2.7	0.77	<0.1	0.06	0.17	9.1	0.4	<0.05	2.8	10.14	26.8	<0.02	<1	0.5



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		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-1031	Till	10.2	6.31	23.49	4.49	0.76	3.27	0.38	1.92	0.30	0.73	0.09	0.58	0.07	<10	<2
AER22TS-1032	Pulp DUP	10.3	5.99	22.32	4.30	0.73	3.16	0.37	1.86	0.28	0.71	0.09	0.54	0.07	<10	<2
AER22TS-1033	Till	12.4	3.47	14.50	2.99	0.61	2.66	0.34	1.92	0.33	0.87	0.10	0.65	0.09	<10	<2
AER22TS-1034	Till	11.2	4.48	18.50	3.88	0.78	3.27	0.40	2.15	0.35	0.85	0.10	0.58	0.07	<10	<2
AER22TS-1035	Till	14.0	4.60	18.36	3.77	0.72	3.13	0.40	2.08	0.34	0.83	0.10	0.57	0.07	<10	<2
AER22TS-1036	Till	9.9	2.59	11.50	2.75	0.62	2.78	0.37	2.01	0.33	0.84	0.10	0.58	0.07	<10	<2
AER22TS-1037	Till	13.4	3.98	16.24	3.23	0.63	2.86	0.37	2.02	0.34	0.88	0.11	0.67	0.09	<10	<2
AER22TS-1038	Till	11.8	5.13	19.62	3.93	0.76	3.52	0.46	2.56	0.44	1.17	0.15	0.93	0.12	<10	<2
AER22TS-1039	Till	13.0	3.88	15.91	3.20	0.65	2.86	0.38	2.04	0.35	0.90	0.11	0.67	0.09	<10	<2
AER22TS-1040	Till	9.8	3.44	14.11	2.85	0.56	2.49	0.33	1.81	0.30	0.79	0.09	0.59	0.08	<10	<2
AER22TS-1041	Till	8.3	3.96	15.96	3.14	0.69	2.62	0.34	1.88	0.32	0.81	0.10	0.60	0.08	<10	<2
AER22TS-1042	Till	14.3	3.97	15.89	3.23	0.62	2.84	0.38	2.17	0.37	0.99	0.12	0.80	0.10	<10	<2
AER22TS-1043	Till	8.7	3.37	13.59	2.77	0.56	2.58	0.35	1.94	0.34	0.88	0.11	0.71	0.09	<10	<2
AER22TS-1044	Till	12.3	3.64	14.71	2.98	0.59	2.69	0.36	2.02	0.35	0.93	0.11	0.73	0.10	<10	<2
AER22TS-1045	Till	11.8	3.63	14.85	3.02	0.60	2.75	0.37	2.03	0.35	0.93	0.12	0.72	0.09	<10	<2
AER22TS-1046	Till	9.0	3.22	13.10	2.62	0.57	2.35	0.31	1.75	0.30	0.80	0.10	0.62	0.08	<10	<2
AER22TS-1047	Till	12.0	4.85	18.69	3.67	0.71	3.11	0.40	2.16	0.37	0.95	0.11	0.70	0.09	<10	<2
AER22TS-1048	Till	13.1	5.31	20.91	4.30	0.85	3.91	0.54	3.00	0.53	1.41	0.18	1.12	0.16	<10	<2
AER22TS-1049	Till	12.3	3.66	14.94	3.09	0.60	2.83	0.38	2.11	0.36	0.95	0.12	0.73	0.10	<10	<2
AER22TS-1050	Till	18.2	5.68	22.20	4.42	0.79	3.66	0.49	2.64	0.45	1.15	0.14	0.87	0.12	<10	<2
AER22TS-1051	Till	10.1	3.21	13.17	2.69	0.53	2.38	0.32	1.75	0.30	0.77	0.09	0.57	0.07	<10	<2
AER22TS-1052	Till	18.6	4.33	16.56	3.41	0.69	3.08	0.41	2.31	0.39	1.02	0.13	0.81	0.11	<10	<2
AER22TS-1053	Till	8.7	3.25	13.38	2.68	0.54	2.41	0.32	1.75	0.30	0.77	0.09	0.60	0.08	<10	<2
AER22TS-1054	Till	9.0	3.74	15.37	3.10	0.63	2.81	0.38	2.07	0.36	0.92	0.11	0.69	0.09	<10	<2
AER22TS-1055	Till	9.3	3.84	15.75	3.19	0.65	2.87	0.39	2.10	0.36	0.95	0.11	0.70	0.09	<10	<2
AER22TS-1056	Pulp DUP	9.3	3.78	15.64	3.22	0.64	2.86	0.38	2.11	0.37	0.94	0.11	0.70	0.09	<10	<2
AER22TS-1057	Till	11.4	3.23	13.13	2.73	0.52	2.48	0.32	1.81	0.31	0.81	0.10	0.60	0.08	<10	<2
AER22TS-1058	Till	11.1	2.96	12.28	2.60	0.51	2.36	0.32	1.73	0.30	0.78	0.10	0.58	0.08	<10	<2
AER22TS-1059	Rock Pulp	9.3	4.96	16.89	2.48	0.52	1.65	0.20	1.08	0.18	0.50	0.06	0.44	0.06	46	24
AER22TS-1060	Till	9.9	3.44	14.11	2.89	0.54	2.60	0.34	1.86	0.32	0.81	0.10	0.60	0.08	<10	<2



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CERTIFICATE OF ANALYSIS

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Method		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-1061	Pulp DUP		627	<1	7.5	3.2	8.2	9.4	8.4	50.7	<1	104.6	0.7	7.2	2.6	74	1.2	380.3	21.7	23.5	43.8
AER22TS-1062	Till	2.31	523	2	5.9	4.1	10.1	6.3	8.1	62.4	1	134.0	0.7	8.6	2.2	84	1.3	245.1	22.7	25.6	48.8
AER22TS-1063	Till	2.31	630	<1	9.3	3.3	11.2	6.2	7.7	56.2	<1	130.4	0.7	6.4	2.3	91	1.0	247.8	18.4	21.2	40.9
AER22TS-1064	Till	1.98	870	2	10.5	3.2	10.2	5.8	9.8	64.8	2	119.5	0.7	8.1	2.9	90	1.5	225.7	20.5	24.6	45.9
AER22TS-1065	Rock Pulp	0.06	436	<1	49.2	2.0	12.1	3.6	15.4	36.3	8	365.8	0.4	3.8	0.7	54	1.0	150.3	10.6	29.5	48.8
AER22TS-1066	Till	2.07	794	<1	13.3	3.6	9.6	3.5	9.3	63.7	1	110.7	0.7	7.5	2.2	93	1.2	131.9	20.6	24.1	46.1
AER22TS-1067	Till	2.06	631	<1	8.8	2.9	10.2	5.3	9.3	61.4	1	124.8	0.7	7.8	2.5	88	0.7	213.8	21.1	24.0	45.3
AER22TS-1068	Till	2.35	722	<1	4.0	1.9	6.4	11.2	8.8	42.5	<1	137.1	0.6	6.6	2.7	63	1.0	457.8	19.6	21.5	39.6
AER22TS-1069	Till	2.07	779	3	12.7	6.1	12.7	8.1	12.9	88.7	2	78.9	0.9	10.4	3.9	162	1.4	334.1	29.9	31.1	58.0
AER22TS-1070	Till	1.81	636	<1	7.6	3.2	8.3	8.0	7.8	50.4	1	108.8	0.6	7.0	2.4	78	1.2	322.8	20.2	22.9	42.8
AER22TS-1071	Till	2.46	658	3	8.0	3.3	8.9	9.9	8.9	51.0	2	119.3	0.6	7.5	2.7	82	1.0	401.1	22.2	25.0	46.6
AER22TS-1072	Till	2.35	826	1	8.1	1.6	8.6	13.8	10.5	46.6	2	211.3	0.7	9.0	3.2	54	1.0	552.3	26.0	29.7	58.5
AER22TS-1073	Till	1.87	812	1	8.1	3.7	10.4	6.4	9.7	57.5	2	158.9	0.7	7.8	2.6	83	1.0	247.7	21.2	27.0	51.7
AER22TS-1074	Till	1.86	826	1	6.4	3.1	7.9	7.0	8.4	50.8	1	300.7	0.6	6.8	3.0	65	0.8	283.8	20.2	24.4	48.3
AER22TS-1075	Till	1.63	635	5	7.2	4.3	10.0	5.0	9.8	61.6	2	166.4	0.6	7.4	2.6	97	1.3	204.3	21.4	26.3	46.8
AER22TS-1076	Till	2.07	744	1	6.1	3.1	9.3	6.5	8.8	52.9	2	169.3	0.5	7.0	2.5	68	1.3	268.3	21.0	25.4	48.1
AER22TS-1077	Till	2.06	853	1	9.7	3.7	13.2	7.1	10.7	67.4	2	173.3	0.7	8.3	2.7	97	1.3	290.2	23.3	29.9	55.5
AER22TS-1078	Till	1.90	680	1	8.2	3.1	11.6	9.3	10.2	66.5	2	125.4	0.7	8.5	2.5	81	0.9	386.7	24.0	30.3	53.8
AER22TS-1079	Till	2.06	959	1	9.7	3.2	10.9	6.6	10.0	59.4	1	247.9	0.7	7.5	2.5	80	0.8	273.7	21.7	28.2	53.3
AER22TS-1080	Till	2.08	983	1	9.8	3.8	12.1	7.9	10.5	65.5	2	224.5	0.6	9.0	2.6	90	1.1	328.6	24.5	31.3	58.8
AER22TS-1081	Pulp DUP		1210	7	17.9	3.6	11.2	7.9	11.6	65.9	3	124.7	0.7	8.0	3.3	115	0.9	329.3	23.2	27.4	54.1
AER22TS-1082	Till	2.27	770	<1	7.4	2.9	8.2	7.7	9.2	54.0	2	192.1	0.6	7.0	3.3	63	1.1	306.4	22.1	26.6	50.5
AER22TS-1083	Till	2.07	1271	4	15.4	3.4	10.3	8.5	10.8	63.5	3	121.7	0.8	7.8	2.9	115	1.1	348.3	23.5	25.8	49.0
AER22TS-1084	Till	2.42	1199	<1	17.7	3.7	10.8	8.2	11.4	66.4	2	125.7	0.8	7.6	3.0	122	1.1	333.9	22.6	28.5	52.7
AER22TS-1085	Till	2.40	788	<1	14.1	4.4	12.3	3.5	6.9	65.0	2	135.5	0.6	6.1	2.1	98	1.0	139.9	20.8	21.7	38.1
AER22TS-1086	Till	2.08	680	<1	9.0	3.3	12.1	6.6	8.9	62.4	2	135.9	0.5	7.7	2.6	97	0.9	259.6	23.0	27.2	48.4
AER22TS-1087	Till	1.98	911	<1	13.7	2.5	16.7	5.2	10.7	55.4	2	169.6	1.0	9.8	4.1	46	0.9	189.6	17.7	18.5	32.7
AER22TS-1088	Till	1.72	795	<1	9.7	3.5	12.6	7.7	11.2	67.5	3	209.0	0.7	9.1	3.1	99	1.8	333.1	24.9	30.3	59.0
AER22TS-1089	Till	1.84	687	<1	8.4	3.9	12.7	7.8	11.2	74.4	3	155.2	0.8	9.4	2.5	102	1.3	325.4	28.2	34.3	62.8
AER22TS-1090	Till	2.39	748	<1	8.3	2.0	8.8	9.0	9.3	50.2	2	185.7	0.6	7.3	2.4	61	1.0	379.6	21.0	27.9	52.9



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Method Analyte Unit MDL		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-1061	Pulp DUP	5.54	21.3	4.02	0.84	3.87	0.56	3.27	0.72	2.14	0.31	2.22	0.34	0.4	16.4	9.8	49	17.2	5.9	0.4	0.2
AER22TS-1062	Till	6.12	23.5	4.40	0.88	4.03	0.62	3.58	0.79	2.23	0.32	2.13	0.33	0.3	16.3	8.8	50	16.9	4.2	0.4	0.1
AER22TS-1063	Till	5.08	19.7	3.70	0.84	3.58	0.52	3.37	0.63	1.94	0.29	1.92	0.32	0.4	22.6	8.8	54	26.1	5.0	0.3	0.1
AER22TS-1064	Till	5.58	21.2	3.90	0.84	3.88	0.55	3.44	0.69	2.12	0.31	1.96	0.32	0.9	19.9	12.4	74	27.2	8.5	0.5	0.2
AER22TS-1065	Rock Pulp	6.21	22.6	3.53	0.91	2.78	0.37	1.99	0.36	1.07	0.14	1.02	0.14	12.6	163.2	289.6	223	82.1	10.0	0.5	0.2
AER22TS-1066	Till	5.60	22.4	3.94	0.89	3.78	0.55	3.34	0.73	1.89	0.28	1.85	0.29	0.8	25.3	11.9	78	27.7	1.2	0.7	0.2
AER22TS-1067	Till	5.55	21.3	4.16	0.88	3.91	0.55	3.48	0.71	2.03	0.31	1.88	0.33	0.5	19.1	10.8	60	23.8	8.3	0.3	0.2
AER22TS-1068	Till	4.92	19.0	3.40	0.71	3.05	0.46	2.80	0.62	1.96	0.28	2.01	0.31	0.6	10.0	6.3	41	13.7	3.4	0.5	0.2
AER22TS-1069	Till	7.48	29.3	5.77	1.22	5.55	0.82	4.91	0.99	3.08	0.45	2.87	0.46	1.6	26.7	17.0	112	36.7	14.0	0.2	0.3
AER22TS-1070	Till	5.39	20.6	4.11	0.84	3.81	0.55	3.38	0.71	2.08	0.30	2.03	0.31	0.4	18.1	10.3	48	17.5	5.6	0.4	0.2
AER22TS-1071	Till	5.62	22.0	3.94	0.86	3.97	0.60	3.51	0.81	2.34	0.37	2.26	0.37	0.5	16.3	9.6	50	17.1	5.9	0.4	0.2
AER22TS-1072	Till	6.98	25.5	5.17	0.99	4.74	0.69	4.38	0.91	2.92	0.44	2.92	0.46	1.1	10.4	9.8	51	17.9	6.2	0.3	0.3
AER22TS-1073	Till	6.09	24.6	4.28	0.91	3.97	0.59	3.49	0.71	2.13	0.32	2.09	0.33	0.4	16.9	10.1	59	19.6	5.5	0.5	0.2
AER22TS-1074	Till	5.67	21.5	4.09	0.78	3.66	0.55	3.22	0.69	2.06	0.29	1.95	0.32	0.4	12.2	8.3	51	15.6	5.3	0.4	0.3
AER22TS-1075	Till	5.80	22.7	4.20	0.84	3.94	0.58	3.53	0.73	2.02	0.31	2.04	0.32	0.5	18.4	9.7	67	20.8	5.1	0.5	0.2
AER22TS-1076	Till	5.68	22.8	3.79	0.84	3.72	0.55	3.33	0.65	2.11	0.28	1.99	0.30	0.4	16.0	9.1	52	16.9	4.9	0.5	0.2
AER22TS-1077	Till	6.70	26.5	4.67	1.01	4.41	0.66	4.06	0.86	2.47	0.35	2.31	0.36	0.5	24.4	11.2	70	33.2	8.0	0.4	0.3
AER22TS-1078	Till	6.46	24.3	4.73	0.93	4.32	0.64	4.16	0.83	2.55	0.36	2.40	0.38	0.7	18.2	10.6	83	19.6	7.4	0.5	0.2
AER22TS-1079	Till	6.26	24.3	4.08	0.99	4.04	0.59	3.50	0.80	2.22	0.32	2.09	0.35	0.5	20.3	10.3	64	27.7	7.3	0.4	0.3
AER22TS-1080	Till	6.99	26.9	5.21	1.06	4.52	0.68	3.94	0.81	2.59	0.37	2.48	0.39	0.6	20.5	10.5	62	25.5	7.9	0.4	0.3
AER22TS-1081	Pulp DUP	6.14	24.1	4.56	1.02	4.10	0.64	3.88	0.89	2.52	0.37	2.45	0.36	0.9	21.4	12.5	86	34.7	10.2	0.3	0.3
AER22TS-1082	Till	5.93	22.4	4.30	0.84	3.96	0.57	3.49	0.71	2.31	0.29	2.14	0.33	0.8	14.1	9.4	62	17.4	6.3	0.5	0.3
AER22TS-1083	Till	5.89	20.7	4.00	0.94	3.87	0.61	3.74	0.78	2.30	0.33	2.30	0.38	1.0	20.9	11.9	86	34.7	10.6	0.3	0.3
AER22TS-1084	Till	6.26	23.4	4.43	0.91	3.93	0.64	4.04	0.75	2.53	0.34	2.32	0.36	0.9	21.8	11.9	87	34.6	10.1	0.3	0.3
AER22TS-1085	Till	5.10	20.2	4.47	1.20	4.54	0.64	3.53	0.69	1.98	0.27	1.96	0.27	0.4	30.4	12.3	59	26.7	3.6	0.8	0.2
AER22TS-1086	Till	5.93	22.7	4.30	0.97	4.35	0.64	3.86	0.82	2.29	0.33	2.09	0.34	0.8	23.1	9.5	62	23.6	5.3	0.2	0.2
AER22TS-1087	Till	3.76	14.2	2.84	0.62	2.88	0.44	2.85	0.55	1.78	0.25	1.71	0.27	0.7	15.3	22.9	63	21.3	5.4	0.4	0.1
AER22TS-1088	Till	6.87	26.4	4.92	1.02	4.60	0.68	4.18	0.91	2.71	0.37	2.48	0.39	0.7	20.1	10.8	70	25.8	7.6	0.4	0.2
AER22TS-1089	Till	7.78	29.8	5.60	1.13	5.15	0.75	4.40	0.93	2.74	0.39	2.61	0.41	0.5	19.9	10.3	57	24.6	7.5	0.2	0.2
AER22TS-1090	Till	6.11	23.9	4.23	0.91	3.90	0.59	3.62	0.73	2.09	0.31	2.20	0.34	0.6	13.7	9.1	55	23.2	8.1	0.3	0.3



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Method Analyte Unit MDL		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-1061	Pulp DUP	0.1	0.1	1.0	0.05	0.2	<0.5	55.80	7.83	2.56	2.69	12.26	0.55	1.37	0.44	0.17	0.04	0.007	643	23	113
AER22TS-1062	Till	0.1	0.1	1.4	0.04	0.2	<0.5	50.34	9.62	2.95	3.00	13.36	0.51	1.64	0.45	0.15	0.05	0.006	538	<20	139
AER22TS-1063	Till	0.1	0.2	1.7	0.07	0.1	<0.5	56.80	11.08	3.66	2.77	7.72	1.12	1.70	0.57	0.18	0.05	0.011	627	26	135
AER22TS-1064	Till	0.1	0.1	1.0	0.07	0.2	0.5	60.28	9.84	3.22	2.52	8.04	0.56	1.84	0.50	0.18	0.06	0.008	932	29	128
AER22TS-1065	Rock Pulp	0.1	0.1	38.8	0.02	<0.1	<0.5	71.54	12.06	4.03	1.73	3.27	3.49	1.46	0.38	0.13	0.07	0.015	470	87	398
AER22TS-1066	Till	0.1	0.4	1.9	0.10	0.3	<0.5	54.94	9.37	3.40	2.69	10.74	0.40	1.83	0.47	0.22	0.05	0.008	858	28	118
AER22TS-1067	Till	0.1	0.2	1.0	0.06	0.2	<0.5	60.54	10.00	3.36	2.59	7.41	0.77	1.84	0.52	0.19	0.06	0.009	669	25	133
AER22TS-1068	Till	<0.1	0.2	1.1	0.04	0.1	<0.5	51.79	5.85	1.75	3.02	16.27	0.33	1.36	0.38	0.18	0.06	0.007	746	<20	141
AER22TS-1069	Till	0.2	0.3	1.3	0.13	0.2	0.8	70.90	12.02	4.25	1.06	0.64	0.65	2.06	0.67	0.21	0.05	0.012	865	40	83
AER22TS-1070	Till	0.1	0.2	1.3	0.06	0.2	<0.5	51.58	7.79	2.56	2.52	14.25	0.49	1.33	0.43	0.17	0.04	0.007	669	20	114
AER22TS-1071	Till	0.1	0.1	1.4	0.04	0.2	0.5	55.47	7.85	2.57	2.72	12.01	0.55	1.39	0.45	0.16	0.04	0.007	637	<20	114
AER22TS-1072	Till	<0.1	<0.1	0.9	0.04	0.1	<0.5	71.67	8.44	2.63	1.92	4.19	1.34	1.70	0.61	0.17	0.05	0.009	828	<20	208
AER22TS-1073	Till	0.1	0.2	1.5	0.06	0.2	<0.5	52.74	9.10	2.90	2.66	12.48	0.54	1.56	0.47	0.16	0.05	0.007	767	<20	152
AER22TS-1074	Till	<0.1	0.1	1.7	0.05	0.2	0.7	51.07	7.03	2.15	3.28	15.07	0.49	1.41	0.42	0.15	0.06	0.005	759	<20	292
AER22TS-1075	Till	0.1	0.1	0.9	0.05	0.2	0.5	53.45	9.20	3.01	2.88	11.83	0.52	1.61	0.48	0.17	0.04	0.008	620	<20	162
AER22TS-1076	Till	0.1	0.2	1.8	0.08	0.2	0.5	51.88	7.81	2.46	2.75	14.30	0.53	1.45	0.43	0.16	0.06	0.005	729	<20	165
AER22TS-1077	Till	0.2	0.2	1.7	0.06	0.2	0.6	60.93	11.50	4.11	1.75	4.97	0.96	1.96	0.58	0.19	0.07	0.010	840	35	169
AER22TS-1078	Till	0.1	0.1	0.6	0.03	0.2	0.7	65.32	9.84	3.33	1.38	3.92	0.83	1.94	0.55	0.18	0.07	0.008	682	<20	122
AER22TS-1079	Till	0.1	0.1	2.0	0.09	0.2	0.6	57.82	9.98	3.43	2.06	8.82	1.13	1.73	0.56	0.18	0.05	0.008	941	24	230
AER22TS-1080	Till	0.2	0.1	1.5	0.07	0.2	0.5	60.78	10.13	3.78	2.17	7.13	0.95	1.91	0.57	0.16	0.05	0.009	961	22	216
AER22TS-1081	Pulp DUP	0.1	0.1	0.8	0.05	0.2	<0.5	66.39	9.55	3.32	2.25	5.16	0.87	1.63	0.60	0.17	0.06	0.009	1196	31	119
AER22TS-1082	Till	0.1	0.2	1.4	0.06	0.2	<0.5	59.40	7.80	2.45	3.28	9.89	0.66	1.62	0.49	0.17	0.05	0.006	766	<20	194
AER22TS-1083	Till	0.1	0.1	0.8	0.05	0.1	<0.5	66.77	9.31	3.20	2.22	5.24	0.87	1.59	0.59	0.17	0.05	0.010	1285	33	120
AER22TS-1084	Till	0.1	0.1	1.0	0.05	0.1	0.5	66.52	9.49	3.30	2.23	5.18	0.85	1.61	0.60	0.17	0.06	0.010	1178	32	118
AER22TS-1085	Till	0.1	0.3	4.1	0.09	0.2	<0.5	48.07	10.66	3.69	2.78	13.71	0.92	1.76	0.55	0.08	0.09	0.010	766	30	127
AER22TS-1086	Till	0.1	0.2	1.4	0.05	0.1	<0.5	52.78	10.06	3.38	3.97	9.65	0.89	1.86	0.52	0.17	0.06	0.008	647	21	129
AER22TS-1087	Till	0.3	0.2	1.4	0.10	0.2	<0.5	49.84	14.84	2.95	1.41	11.14	0.84	1.77	0.32	0.07	0.06	0.003	908	<20	160
AER22TS-1088	Till	0.2	0.1	1.2	0.04	0.2	<0.5	58.70	9.69	3.50	1.99	7.92	0.83	1.79	0.56	0.19	0.05	0.007	728	26	184
AER22TS-1089	Till	0.2	0.1	1.6	0.05	0.2	<0.5	62.95	10.81	3.82	1.56	5.40	0.78	1.89	0.59	0.15	0.04	0.009	677	22	147
AER22TS-1090	Till	<0.1	0.2	1.8	0.08	0.2	<0.5	60.11	7.99	2.61	2.29	10.09	1.05	1.56	0.48	0.19	0.06	0.008	706	23	177



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	Method	Analyte	Unit	MDL	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251		
					Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
					ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
					5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-1061	Pulp	DUP			393	22	10	7	16.0	99.90	3.65	0.77	<0.02	10.49	0.48	15.65	9.71	48.7	140	16.7	6.3	262	1.31	5.7
AER22TS-1062	Till				255	22	10	8	17.7	99.90	3.85	0.73	<0.02	11.41	0.33	15.49	8.93	50.1	117	16.9	4.9	341	1.48	4.1
AER22TS-1063	Till				266	20	8	10	14.1	99.91	2.96	1.11	0.02	6.70	0.46	22.53	8.76	55.6	167	26.4	9.0	354	1.96	4.9
AER22TS-1064	Till				252	21	12	8	12.7	99.91	2.40	0.50	<0.02	6.94	1.01	19.36	12.69	75.2	129	27.4	10.1	449	1.69	8.1
AER22TS-1065	Rock	Pulp			165	12	17	9	1.6	99.87	0.07	0.05	<0.02	0.10	12.28	153.31	278.49	212.3	107	78.4	48.6	276	1.59	9.4
AER22TS-1066	Till				146	21	10	9	15.7	99.91	3.13	0.54	<0.02	9.42	0.86	24.97	12.48	79.3	373	27.4	13.0	380	1.83	1.1
AER22TS-1067	Till				239	21	10	9	12.5	99.92	2.23	0.47	<0.02	6.40	0.66	19.25	11.36	63.9	222	24.7	8.6	409	1.81	8.1
AER22TS-1068	Till				482	20	11	5	18.7	99.91	4.54	0.67	<0.02	14.16	0.62	10.04	6.23	42.6	148	14.1	3.8	444	0.96	3.3
AER22TS-1069	Till				354	32	17	12	7.2	99.91	1.17	1.13	0.02	<0.08	1.77	28.05	17.93	118.8	343	38.2	13.4	392	2.51	14.0
AER22TS-1070	Till				325	21	9	7	18.6	99.91	4.29	1.10	<0.02	11.62	0.49	18.04	10.37	51.2	185	18.1	6.6	289	1.36	5.5
AER22TS-1071	Till				406	22	17	7	16.6	99.91	3.66	0.78	<0.02	10.54	0.49	16.00	9.59	47.7	137	17.3	6.3	267	1.37	5.9
AER22TS-1072	Till				579	25	13	7	7.0	99.94	1.19	0.25	<0.02	3.40	1.16	9.95	9.68	48.0	66	17.6	6.7	278	1.29	5.6
AER22TS-1073	Till				261	22	12	7	17.1	99.91	3.63	0.82	<0.02	10.24	0.37	16.11	9.95	55.6	169	19.3	6.3	382	1.54	5.1
AER22TS-1074	Till				295	19	11	5	18.6	99.92	4.42	0.63	<0.02	13.86	0.40	11.40	8.41	48.7	127	15.4	5.3	397	1.17	5.0
AER22TS-1075	Till				217	20	12	8	16.6	99.91	3.59	1.05	<0.02	9.24	0.57	17.99	9.35	63.5	143	20.8	6.4	317	1.65	4.8
AER22TS-1076	Till				290	19	14	6	17.9	99.91	4.16	0.86	<0.02	12.05	0.43	15.66	9.06	50.9	236	17.3	5.3	431	1.34	4.9
AER22TS-1077	Till				306	23	10	10	12.7	99.92	2.67	1.78	0.04	3.10	0.57	25.03	11.41	69.5	211	33.8	9.2	450	2.22	7.8
AER22TS-1078	Till				382	22	13	8	12.4	99.93	3.39	2.66	0.05	2.50	0.66	17.64	10.27	83.6	123	19.8	7.1	523	1.82	7.0
AER22TS-1079	Till				268	20	10	8	14.0	99.91	2.97	1.15	<0.02	6.63	0.50	19.43	9.96	61.2	137	27.5	9.3	374	1.91	6.9
AER22TS-1080	Till				344	24	15	9	12.1	99.90	2.30	0.85	<0.02	5.25	0.68	20.14	10.34	59.8	130	25.1	8.9	369	2.01	7.5
AER22TS-1081	Pulp	DUP			327	22	9	9	9.7	99.90	1.90	0.58	<0.02	4.79	0.98	20.67	11.98	82.3	124	33.9	16.9	420	1.87	9.6
AER22TS-1082	Till				334	22	11	6	13.9	99.91	3.04	0.51	<0.02	9.24	0.80	13.62	9.18	60.8	198	17.6	6.5	372	1.31	6.2
AER22TS-1083	Till				347	22	17	8	9.7	99.90	1.94	0.59	<0.02	4.92	1.05	19.74	11.82	83.7	123	33.3	15.4	365	1.80	9.7
AER22TS-1084	Till				341	23	16	9	9.7	99.91	1.90	0.58	<0.02	4.81	0.96	20.43	11.82	81.9	120	34.0	17.3	421	1.85	9.5
AER22TS-1085	Till				146	20	10	11	17.4	99.90	3.57	0.44	<0.02	11.44	0.40	29.90	12.10	57.1	300	27.0	12.6	680	1.94	3.3
AER22TS-1086	Till				260	21	12	9	16.4	99.89	3.77	1.15	<0.02	9.55	0.80	23.18	9.40	59.5	172	23.8	8.2	417	1.94	5.1
AER22TS-1087	Till				189	16	11	7	16.5	99.93	2.55	0.53	<0.02	7.36	0.74	14.93	21.92	62.0	214	21.3	13.6	424	1.44	4.8
AER22TS-1088	Till				320	22	16	8	14.5	99.92	3.26	1.57	0.03	6.09	0.70	19.14	10.18	65.1	119	24.4	8.3	367	1.96	7.2
AER22TS-1089	Till				306	25	11	10	11.8	99.93	2.28	1.38	0.03	3.21	0.55	19.20	10.34	54.9	133	23.8	6.9	240	2.02	7.3
AER22TS-1090	Till				360	20	17	6	13.3	99.93	3.00	0.71	<0.02	8.35	0.61	13.33	8.73	53.3	165	23.1	7.3	424	1.50	8.0



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	Method	Analyte	Unit	MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251			
					U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
					ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
					0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-1061	Pulp	DUP			0.6	1.2	3.3	61.1	0.40	0.29	0.13	22	7.98	0.066	11.2	11.7	1.31	295.2	0.002	3	0.92	0.007	0.10	<0.1
AER22TS-1062	Till				0.7	1.2	3.8	86.5	0.45	0.23	0.12	28	8.67	0.063	14.9	15.9	1.44	215.9	0.004	5	1.26	0.008	0.19	<0.1
AER22TS-1063	Till				0.5	2.5	2.4	40.1	0.29	0.28	0.13	31	4.89	0.074	10.3	20.3	1.36	189.9	0.002	3	1.39	0.008	0.17	<0.1
AER22TS-1064	Till				0.8	1.2	4.8	75.0	0.50	0.43	0.14	25	5.46	0.075	13.3	16.4	1.16	523.0	0.003	3	1.10	0.010	0.15	<0.1
AER22TS-1065	Rock	Pulp			0.4	35.8	3.1	32.8	0.49	0.19	0.14	25	0.58	0.054	24.6	31.1	0.48	62.4	0.070	2	0.79	0.093	0.12	<0.1
AER22TS-1066	Till				0.7	2.5	4.6	85.1	0.76	0.42	0.16	25	7.22	0.092	14.1	17.8	1.24	480.6	0.002	2	1.17	0.006	0.12	<0.1
AER22TS-1067	Till				0.8	1.5	4.9	62.0	0.34	0.45	0.15	27	4.87	0.081	14.2	17.8	1.23	213.1	0.004	2	1.17	0.007	0.13	<0.1
AER22TS-1068	Till				0.7	1.0	3.0	116.6	0.51	0.25	0.07	15	11.06	0.078	11.0	9.8	1.51	452.8	0.001	3	0.61	0.006	0.10	<0.1
AER22TS-1069	Till				0.8	2.0	4.5	17.7	0.21	0.49	0.24	30	0.42	0.083	7.1	16.8	0.31	331.1	<0.001	4	1.11	0.005	0.14	<0.1
AER22TS-1070	Till				0.7	1.5	3.2	68.4	0.45	0.34	0.13	24	9.74	0.071	11.8	13.2	1.26	339.6	0.003	4	1.02	0.007	0.11	<0.1
AER22TS-1071	Till				0.7	1.3	3.4	60.3	0.41	0.34	0.12	25	7.86	0.064	11.8	13.5	1.33	294.2	0.003	3	1.02	0.007	0.11	<0.1
AER22TS-1072	Till				1.1	1.3	4.8	68.2	0.27	0.37	0.09	19	2.44	0.063	15.6	12.7	0.91	291.8	0.014	4	0.66	0.008	0.09	<0.1
AER22TS-1073	Till				0.7	1.7	4.1	94.8	0.46	0.34	0.13	28	8.11	0.065	14.2	16.1	1.28	382.3	0.004	3	1.30	0.007	0.13	<0.1
AER22TS-1074	Till				1.3	1.6	3.0	240.5	0.45	0.35	0.10	22	9.84	0.058	12.4	11.5	1.66	420.3	0.005	4	0.99	0.023	0.13	<0.1
AER22TS-1075	Till				0.8	1.2	4.2	109.6	0.51	0.37	0.14	30	7.81	0.070	13.2	16.9	1.43	268.8	0.004	3	1.26	0.009	0.15	<0.1
AER22TS-1076	Till				0.7	1.7	3.6	113.8	0.47	0.33	0.11	25	9.73	0.063	13.4	14.3	1.38	366.3	0.005	4	1.10	0.008	0.12	<0.1
AER22TS-1077	Till				0.7	1.9	3.7	69.8	0.43	0.46	0.17	38	3.11	0.073	17.7	25.7	0.74	335.6	0.011	6	1.85	0.009	0.22	<0.1
AER22TS-1078	Till				0.6	2.2	3.1	37.5	0.48	0.34	0.14	32	2.42	0.068	15.1	19.2	0.59	251.6	0.010	5	1.57	0.005	0.29	<0.1
AER22TS-1079	Till				0.7	2.1	3.1	119.5	0.42	0.41	0.12	33	5.66	0.070	14.9	21.7	0.98	457.8	0.016	6	1.46	0.044	0.17	<0.1
AER22TS-1080	Till				0.7	2.0	4.1	123.5	0.37	0.42	0.15	34	4.51	0.063	15.1	20.5	1.01	499.5	0.009	8	1.36	0.069	0.24	<0.1
AER22TS-1081	Pulp	DUP			0.6	1.2	3.4	41.8	0.30	0.37	0.14	27	3.35	0.065	7.6	16.0	1.05	715.9	0.003	4	0.99	0.009	0.15	<0.1
AER22TS-1082	Till				1.5	2.0	3.9	129.5	0.46	0.39	0.11	23	6.47	0.067	14.5	13.2	1.68	355.7	0.006	4	0.99	0.020	0.13	<0.1
AER22TS-1083	Till				0.6	1.2	3.3	42.0	0.28	0.34	0.14	26	3.43	0.063	6.8	16.1	1.03	824.8	0.002	4	0.93	0.009	0.14	<0.1
AER22TS-1084	Till				0.6	0.9	3.4	41.5	0.31	0.33	0.14	27	3.33	0.064	7.5	16.2	1.06	722.3	0.002	3	1.00	0.009	0.15	<0.1
AER22TS-1085	Till				0.4	4.9	2.7	70.9	0.80	0.25	0.14	29	9.24	0.034	14.9	20.3	1.37	436.3	0.004	2	1.51	0.008	0.19	<0.1
AER22TS-1086	Till				0.5	1.5	2.6	57.2	0.25	0.28	0.13	30	6.20	0.070	10.1	19.6	2.01	284.5	0.003	4	1.34	0.010	0.19	<0.1
AER22TS-1087	Till				1.0	1.2	3.0	65.0	0.38	0.31	0.29	10	7.18	0.029	9.4	7.1	0.43	490.4	<0.001	<1	1.46	0.010	0.16	<0.1
AER22TS-1088	Till				0.9	1.3	3.6	103.5	0.34	0.35	0.14	33	5.17	0.076	16.6	20.7	0.93	286.4	0.009	7	1.30	0.010	0.19	<0.1
AER22TS-1089	Till				0.6	1.7	4.5	61.5	0.19	0.32	0.16	36	3.35	0.055	18.7	21.8	0.64	223.0	0.006	8	1.40	0.009	0.18	<0.1
AER22TS-1090	Till				0.7	1.9	3.8	76.1	0.34	0.40	0.09	25	6.50	0.079	14.2	16.8	1.16	227.6	0.013	3	0.97	0.008	0.10	<0.1



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
AER22TS-1061	Pulp DUP	2.9	0.16	<0.02	45	0.3	0.03	2.6	0.83	<0.1	0.08	0.13	8.1	0.4	<0.05	3.8	10.26	23.1	<0.02	<1	0.6
AER22TS-1062	Till	3.6	0.17	<0.02	43	0.2	0.03	3.6	0.99	<0.1	0.09	0.18	14.2	0.8	<0.05	3.8	12.25	29.8	0.02	<1	0.7
AER22TS-1063	Till	4.4	0.16	0.02	61	0.3	0.03	3.9	0.89	<0.1	0.11	0.11	9.4	0.5	<0.05	2.9	8.89	22.2	0.03	<1	0.6
AER22TS-1064	Till	3.7	0.25	<0.02	62	0.3	0.04	3.3	0.86	<0.1	0.13	0.06	12.1	1.5	<0.05	5.3	11.30	28.2	0.03	<1	0.6
AER22TS-1065	Rock Pulp	2.9	0.08	0.05	14	<0.1	<0.02	2.6	1.11	<0.1	0.18	0.35	7.0	2.3	<0.05	6.0	5.70	42.4	0.04	<1	0.2
AER22TS-1066	Till	4.2	0.33	<0.02	92	0.2	0.05	3.3	0.98	<0.1	0.10	0.05	11.7	0.9	<0.05	3.7	13.34	29.9	0.03	<1	0.7
AER22TS-1067	Till	3.8	0.22	<0.02	55	0.3	0.04	3.5	1.04	<0.1	0.12	0.08	11.6	0.8	<0.05	5.2	11.90	29.1	0.02	<1	0.6
AER22TS-1068	Till	2.4	0.12	<0.02	31	0.3	0.03	1.8	0.37	<0.1	0.05	0.06	5.8	0.4	<0.05	2.6	9.91	21.8	<0.02	<1	0.4
AER22TS-1069	Till	4.8	0.29	<0.02	120	0.5	0.07	3.0	1.40	<0.1	0.05	0.07	12.3	1.1	<0.05	2.2	16.12	16.9	0.04	<1	0.7
AER22TS-1070	Till	3.2	0.18	<0.02	56	0.3	0.03	2.9	0.93	<0.1	0.07	0.16	9.2	0.7	<0.05	4.0	10.88	24.6	0.02	<1	0.5
AER22TS-1071	Till	3.1	0.17	<0.02	46	0.5	0.02	2.8	0.88	<0.1	0.08	0.14	9.3	0.4	<0.05	3.9	10.41	24.1	<0.02	<1	0.5
AER22TS-1072	Till	2.2	0.14	<0.02	34	0.2	0.03	2.0	0.65	<0.1	0.18	0.12	7.3	0.4	<0.05	8.1	10.03	31.3	<0.02	<1	0.4
AER22TS-1073	Till	3.5	0.20	<0.02	53	0.5	0.02	3.6	1.16	<0.1	0.10	0.15	10.8	0.9	<0.05	4.8	11.36	28.4	0.02	<1	0.7
AER22TS-1074	Till	2.4	0.17	0.03	62	0.5	0.04	2.8	0.99	<0.1	0.08	0.22	10.5	0.5	<0.05	3.4	9.72	24.7	<0.02	<1	0.5
AER22TS-1075	Till	3.7	0.17	<0.02	52	0.4	0.04	3.5	1.12	<0.1	0.11	0.10	12.0	0.6	<0.05	4.6	11.31	26.3	0.02	<1	0.6
AER22TS-1076	Till	3.0	0.18	<0.02	76	0.4	0.03	3.1	0.84	<0.1	0.11	0.17	9.2	0.7	<0.05	5.2	10.57	26.4	<0.02	<1	0.5
AER22TS-1077	Till	4.5	0.24	0.03	57	0.5	0.04	5.2	1.20	<0.1	0.16	0.39	17.2	0.8	<0.05	5.7	13.31	32.6	0.03	<1	0.8
AER22TS-1078	Till	3.3	0.19	0.04	29	0.5	0.03	4.2	0.98	<0.1	0.16	0.38	17.1	0.7	<0.05	5.0	10.85	28.3	0.02	<1	0.6
AER22TS-1079	Till	3.6	0.24	0.11	81	0.5	0.03	4.2	1.16	<0.1	0.10	0.39	14.6	0.5	<0.05	4.4	11.15	29.2	0.02	2	0.6
AER22TS-1080	Till	3.8	0.21	0.38	57	0.5	0.05	3.9	1.04	<0.1	0.08	0.27	13.7	0.5	<0.05	4.4	12.50	29.7	0.02	2	0.6
AER22TS-1081	Pulp DUP	3.4	0.15	0.02	44	0.4	0.04	2.7	1.24	<0.1	0.08	0.07	11.9	1.1	<0.05	3.4	9.35	17.2	0.03	<1	0.5
AER22TS-1082	Till	2.7	0.20	0.02	62	0.4	0.04	2.9	1.03	<0.1	0.08	0.15	11.0	0.6	<0.05	4.0	10.29	28.7	<0.02	<1	0.5
AER22TS-1083	Till	3.3	0.14	0.03	46	0.4	0.04	2.6	1.23	<0.1	0.07	0.06	11.2	1.4	<0.05	3.0	9.03	15.3	0.02	<1	0.5
AER22TS-1084	Till	3.4	0.14	0.02	45	0.3	0.05	2.7	1.20	<0.1	0.07	0.06	11.5	1.0	<0.05	3.1	9.26	16.6	0.03	<1	0.5
AER22TS-1085	Till	5.0	0.17	<0.02	96	0.4	0.05	3.7	1.51	<0.1	0.08	0.05	13.5	0.7	<0.05	2.6	12.16	26.2	0.03	<1	0.5
AER22TS-1086	Till	4.2	0.16	0.02	42	0.4	0.03	3.6	0.94	<0.1	0.12	0.13	12.0	0.6	<0.05	3.0	9.90	19.5	0.02	<1	0.5
AER22TS-1087	Till	2.8	0.24	<0.02	81	0.4	0.02	3.3	0.71	<0.1	0.08	0.03	10.0	0.8	<0.05	2.1	7.52	19.4	0.03	<1	0.8
AER22TS-1088	Till	3.5	0.19	0.03	43	0.4	0.04	3.8	0.92	<0.1	0.11	0.38	14.2	1.2	<0.05	4.6	11.90	33.0	0.02	<1	0.6
AER22TS-1089	Till	4.1	0.21	0.02	64	0.4	0.04	4.2	1.23	<0.1	0.15	0.29	18.4	1.0	<0.05	6.3	13.79	34.8	0.03	<1	0.7
AER22TS-1090	Till	2.8	0.19	<0.02	77	0.4	0.04	2.9	0.64	<0.1	0.09	0.29	8.0	0.6	<0.05	4.3	9.84	27.4	<0.02	<1	0.5



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		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-1061	Pulp DUP	8.4	2.98	12.51	2.67	0.55	2.51	0.34	1.86	0.31	0.80	0.10	0.60	0.08	<10	<2
AER22TS-1062	Till	12.8	3.83	15.53	3.13	0.63	2.86	0.38	2.14	0.37	0.96	0.12	0.74	0.10	<10	<2
AER22TS-1063	Till	12.0	2.88	12.37	2.71	0.59	2.46	0.33	1.75	0.29	0.72	0.08	0.52	0.07	<10	<2
AER22TS-1064	Till	11.4	3.47	14.51	3.05	0.61	2.79	0.38	2.04	0.35	0.89	0.10	0.65	0.08	<10	<2
AER22TS-1065	Rock Pulp	9.3	5.25	17.45	2.55	0.54	1.69	0.21	1.10	0.19	0.53	0.07	0.45	0.06	45	25
AER22TS-1066	Till	12.6	3.74	15.83	3.40	0.71	3.20	0.43	2.38	0.41	1.03	0.12	0.71	0.09	<10	<2
AER22TS-1067	Till	10.5	3.61	15.09	3.26	0.66	2.98	0.40	2.18	0.38	0.97	0.12	0.72	0.09	<10	<2
AER22TS-1068	Till	6.7	2.82	11.64	2.38	0.47	2.22	0.29	1.59	0.28	0.72	0.09	0.52	0.07	<10	<2
AER22TS-1069	Till	15.0	2.49	12.20	3.65	0.88	4.19	0.58	3.09	0.52	1.27	0.14	0.82	0.10	<10	<2
AER22TS-1070	Till	8.8	3.09	12.96	2.75	0.56	2.56	0.35	1.89	0.33	0.85	0.10	0.64	0.08	<10	<2
AER22TS-1071	Till	8.3	3.07	12.99	2.74	0.56	2.56	0.32	1.82	0.32	0.84	0.10	0.61	0.08	<10	<2
AER22TS-1072	Till	8.7	3.79	15.06	3.01	0.54	2.61	0.33	1.88	0.33	0.88	0.11	0.69	0.09	<10	<2
AER22TS-1073	Till	10.5	3.63	15.06	3.04	0.63	2.76	0.35	1.96	0.35	0.89	0.11	0.66	0.09	<10	<2
AER22TS-1074	Till	10.8	3.12	12.75	2.54	0.52	2.36	0.29	1.70	0.29	0.78	0.10	0.59	0.08	<10	<2
AER22TS-1075	Till	12.5	3.36	13.80	2.89	0.61	2.73	0.36	1.97	0.34	0.88	0.11	0.64	0.09	<10	<2
AER22TS-1076	Till	9.8	3.31	13.59	2.75	0.57	2.50	0.31	1.81	0.32	0.82	0.10	0.62	0.08	<10	<2
AER22TS-1077	Till	14.3	4.28	17.36	3.53	0.72	3.24	0.41	2.43	0.43	1.15	0.15	0.91	0.12	<10	<2
AER22TS-1078	Till	10.7	3.69	15.04	3.00	0.61	2.74	0.35	1.99	0.35	0.91	0.12	0.71	0.10	<10	<2
AER22TS-1079	Till	12.7	3.62	14.88	3.00	0.59	2.71	0.35	2.06	0.36	0.96	0.12	0.80	0.11	<10	<2
AER22TS-1080	Till	14.5	3.76	15.47	3.22	0.65	3.01	0.40	2.32	0.40	1.10	0.15	0.87	0.12	<10	<2
AER22TS-1081	Pulp DUP	11.8	2.18	9.74	2.47	0.55	2.62	0.34	1.90	0.31	0.76	0.09	0.51	0.07	<10	<2
AER22TS-1082	Till	11.2	3.55	14.54	2.93	0.58	2.57	0.32	1.84	0.32	0.83	0.10	0.63	0.08	<10	<2
AER22TS-1083	Till	11.1	2.01	9.17	2.36	0.52	2.54	0.33	1.83	0.30	0.74	0.08	0.48	0.07	<10	<2
AER22TS-1084	Till	11.7	2.13	9.61	2.45	0.55	2.62	0.33	1.84	0.31	0.75	0.09	0.51	0.07	<10	<2
AER22TS-1085	Till	10.2	3.60	15.45	3.49	0.88	3.37	0.43	2.27	0.37	0.90	0.11	0.66	0.09	<10	<2
AER22TS-1086	Till	12.3	2.74	11.97	2.81	0.62	2.71	0.35	1.89	0.32	0.81	0.10	0.56	0.08	<10	<2
AER22TS-1087	Till	7.2	2.40	9.82	2.13	0.35	2.03	0.26	1.43	0.23	0.59	0.07	0.49	0.07	<10	<2
AER22TS-1088	Till	13.0	4.03	16.12	3.30	0.64	2.99	0.38	2.18	0.39	1.02	0.13	0.77	0.11	<10	<2
AER22TS-1089	Till	14.0	4.83	18.90	3.83	0.76	3.44	0.45	2.57	0.45	1.20	0.15	0.95	0.13	<10	<2
AER22TS-1090	Till	8.5	3.41	13.74	2.82	0.57	2.49	0.31	1.82	0.31	0.81	0.10	0.60	0.08	<10	<2



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Method		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-1091	Till	1.94	783	<1	7.5	2.8	10.2	5.6	9.3	56.5	1	193.5	0.6	7.1	2.6	82	1.1	222.2	20.1	25.9	48.1
AER22TS-1092	Till	1.96	669	<1	6.6	2.4	8.5	6.0	8.7	51.7	1	158.4	0.6	6.9	2.3	65	1.0	246.7	19.7	24.4	45.7
AER22TS-1093	Rock Pulp	0.07	474	<1	51.6	1.7	14.3	4.0	17.2	38.7	7	412.5	0.5	3.7	0.8	62	0.8	167.2	11.9	33.8	55.7
AER22TS-1094	Till	2.22	664	<1	5.6	2.5	8.7	7.7	8.7	53.1	2	155.8	0.6	7.1	2.7	73	1.0	329.2	19.0	24.2	42.8
AER22TS-1095	Till	2.13	838	<1	7.9	2.9	10.1	6.9	9.5	60.1	2	161.0	0.6	7.4	3.1	84	0.7	278.0	22.1	26.8	47.0
AER22TS-1096	Till	2.28	696	<1	7.9	3.1	10.3	7.0	9.9	59.2	2	167.7	0.7	7.8	2.5	82	1.0	285.3	22.5	26.5	50.4
AER22TS-1097	Till	2.18	746	2	10.2	3.4	11.5	7.2	10.5	65.9	2	145.5	0.6	8.5	2.7	97	1.4	291.2	25.1	29.4	53.9
AER22TS-1098	Till	2.03	1177	<1	12.2	5.4	17.1	7.2	13.3	102.0	3	134.1	0.9	10.3	3.7	178	1.6	288.1	26.2	33.6	66.4
AER22TS-1099	Till	2.37	2670	<1	5.4	9.1	18.5	4.4	13.6	185.4	3	305.5	1.0	30.4	4.4	261	1.1	168.2	27.9	45.5	90.6
AER22TS-1100	Till	2.12	1140	<1	11.0	2.9	19.4	6.2	9.3	61.3	2	244.9	0.7	9.0	2.1	156	1.7	229.9	27.7	29.7	59.0
AER22TS-1101	Pulp DUP		914	<1	17.3	4.7	17.1	6.5	12.1	78.3	4	245.5	0.9	10.7	3.0	120	1.7	253.5	27.6	36.8	66.7
AER22TS-1102	Till	1.60	883	<1	15.1	3.8	15.0	5.7	10.1	71.4	3	218.7	0.6	8.6	2.5	108	1.2	220.1	22.8	30.3	55.4
AER22TS-1103	Till	1.39	778	3	15.0	5.7	17.6	7.9	14.1	86.7	5	139.8	0.9	12.1	3.0	150	1.1	305.5	33.2	41.5	80.7
AER22TS-1104	Till	1.76	930	2	17.3	4.4	16.7	7.4	11.8	78.4	3	242.6	0.8	10.4	3.0	116	1.6	289.6	27.5	35.4	70.0
AER22TS-1105	Till	2.03	925	2	17.9	4.6	16.0	6.5	11.8	77.6	3	241.8	0.9	11.4	3.1	120	1.4	258.5	27.0	36.7	69.9
AER22TS-1106	Till	1.84	886	2	13.5	4.5	17.6	6.3	11.9	85.4	9	160.6	0.8	11.1	3.0	124	1.6	233.8	31.3	39.8	71.8
AER22TS-1107	Till	2.17	912	<1	14.6	4.2	13.7	6.1	10.1	68.2	3	197.3	0.8	10.2	2.5	119	1.7	220.8	22.9	32.2	61.9
AER22TS-1108	Till	2.07	857	<1	15.7	4.4	14.9	6.7	11.9	73.8	6	172.3	0.9	10.0	2.6	123	1.5	251.7	24.7	34.8	65.1
AER22TS-3001	Pulp DUP		848	4	7.7	2.5	7.8	10.2	9.0	48.6	1	220.5	0.6	8.6	3.4	66	1.2	392.4	23.9	30.2	57.5
AER22TS-3002	Till	2.15	919	4	16.0	6.1	14.7	7.9	13.1	83.6	4	109.6	1.0	10.5	3.7	150	1.2	305.5	28.7	33.8	62.1
AER22TS-3003	Till	2.41	120	2	4.2	9.2	8.0	7.1	7.6	86.3	2	203.5	0.5	6.4	2.8	51	1.1	278.9	20.1	20.8	35.8
AER22TS-3004	Till	2.40	810	3	10.3	5.8	11.1	6.5	10.1	75.2	4	145.3	0.7	8.6	3.2	136	1.3	264.4	24.8	29.3	54.1
AER22TS-3005	Till	1.89	852	<1	14.2	4.9	13.7	7.4	11.7	71.7	3	120.6	0.8	9.0	3.7	139	1.6	310.6	29.1	34.0	58.8
AER22TS-3006	Till	2.49	1372	<1	3.2	7.8	14.7	6.3	14.6	114.2	3	192.5	1.0	10.9	3.5	165	1.5	240.9	21.2	34.6	66.1
AER22TS-3007	Till	2.20	1171	1	13.8	6.7	18.2	7.0	11.7	95.0	3	133.6	0.9	10.4	3.6	173	1.4	267.7	30.1	34.4	63.0
AER22TS-3008	Rock Pulp	0.07	494	<1	55.2	1.8	14.1	4.2	16.6	39.5	6	420.6	0.4	3.8	0.8	57	<0.5	162.7	12.5	33.2	59.4
AER22TS-3009	Till	2.21	1103	1	11.7	3.3	10.8	7.1	11.7	72.9	3	118.8	0.6	8.5	2.9	124	1.3	289.3	25.9	30.3	55.2
AER22TS-3010	Till	1.84	805	<1	9.2	3.2	12.4	6.9	11.5	67.0	2	170.0	0.8	9.0	2.8	99	1.7	278.7	26.7	33.0	60.8
AER22TS-3011	Till	1.75	771	<1	10.8	3.7	11.0	9.1	11.1	67.5	2	114.1	0.7	9.7	3.1	102	1.0	372.1	37.7	35.5	63.3
AER22TS-3012	Till	2.15	838	1	11.4	4.0	13.4	8.3	11.1	71.1	2	134.8	0.9	9.2	2.9	114	1.1	314.6	23.6	30.7	57.9



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Method Analyte Unit MDL		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-1091	Till	5.86	21.5	4.19	0.89	3.63	0.57	3.11	0.68	2.10	0.29	1.88	0.28	0.4	17.4	8.6	59	21.6	5.5	0.4	0.2
AER22TS-1092	Till	5.46	20.4	3.67	0.79	3.60	0.52	3.20	0.64	2.01	0.28	1.89	0.29	0.5	17.0	8.7	53	19.7	5.4	0.4	0.3
AER22TS-1093	Rock Pulp	6.89	25.1	3.65	0.96	2.98	0.40	2.14	0.37	1.20	0.16	0.98	0.16	12.2	159.6	267.1	220	80.9	9.6	0.5	0.2
AER22TS-1094	Till	5.28	20.0	3.69	0.84	3.61	0.53	3.18	0.67	2.02	0.29	2.02	0.30	0.5	14.9	8.3	49	20.5	5.8	0.4	0.3
AER22TS-1095	Till	5.78	21.5	3.88	0.86	3.81	0.55	3.45	0.67	2.14	0.30	2.00	0.30	1.0	19.4	10.2	68	24.0	5.0	0.7	0.3
AER22TS-1096	Till	6.03	23.1	4.34	0.92	3.95	0.61	3.73	0.80	2.23	0.34	2.20	0.33	0.5	17.3	10.1	56	21.4	7.6	0.3	0.2
AER22TS-1097	Till	6.49	24.3	4.51	0.97	4.52	0.68	4.07	0.85	2.50	0.36	2.34	0.37	0.6	19.1	10.6	73	24.8	7.8	0.3	0.3
AER22TS-1098	Till	7.42	27.0	4.91	1.11	4.72	0.71	4.44	0.87	2.85	0.39	2.69	0.41	1.2	24.7	15.8	92	33.5	10.7	0.2	0.2
AER22TS-1099	Till	11.41	42.2	8.19	1.68	7.18	0.91	4.93	0.94	2.68	0.41	2.70	0.38	1.9	32.3	57.2	84	25.1	63.1	<0.1	0.5
AER22TS-1100	Till	7.23	28.2	5.61	1.39	5.79	0.81	4.61	0.89	2.66	0.36	2.35	0.36	0.9	30.6	10.3	91	53.5	11.9	0.2	0.5
AER22TS-1101	Pulp DUP	7.70	28.7	5.57	1.21	5.27	0.79	4.84	0.94	2.75	0.39	2.67	0.41	1.1	38.0	18.5	77	43.8	10.2	0.2	0.4
AER22TS-1102	Till	6.73	25.0	4.60	1.10	4.58	0.64	3.95	0.72	2.23	0.32	2.21	0.34	0.7	29.9	14.5	67	35.9	10.2	0.4	0.3
AER22TS-1103	Till	9.60	37.4	7.07	1.54	6.95	0.99	5.92	1.12	3.36	0.48	3.08	0.52	1.4	31.4	22.2	79	29.7	11.6	<0.1	0.3
AER22TS-1104	Till	7.82	30.0	5.75	1.30	5.68	0.76	4.74	0.99	2.92	0.41	2.64	0.43	1.1	35.8	16.6	77	43.1	10.1	0.2	0.4
AER22TS-1105	Till	7.89	29.9	5.84	1.22	5.27	0.79	4.95	0.98	2.84	0.41	2.80	0.42	1.1	38.4	18.8	78	44.7	10.4	0.2	0.4
AER22TS-1106	Till	8.63	34.2	6.40	1.45	6.23	0.89	5.30	1.08	3.18	0.42	2.83	0.44	2.1	33.3	18.2	75	46.8	10.6	<0.1	0.3
AER22TS-1107	Till	7.29	27.1	5.07	1.19	4.68	0.71	4.15	0.85	2.52	0.37	2.38	0.36	0.8	28.3	14.6	76	38.1	9.9	0.3	0.4
AER22TS-1108	Till	7.82	29.5	5.45	1.17	5.05	0.75	4.65	0.93	2.75	0.39	2.55	0.40	1.2	28.0	14.8	79	46.6	11.2	0.3	0.3
AER22TS-3001	Pulp DUP	6.75	25.1	4.60	1.03	4.45	0.65	3.60	0.84	2.43	0.36	2.42	0.40	0.7	12.2	7.8	53	18.1	7.6	0.4	0.3
AER22TS-3002	Till	7.55	28.4	5.53	1.20	4.96	0.77	4.69	1.05	2.71	0.43	2.75	0.42	1.2	33.2	17.2	99	37.6	10.1	0.7	0.3
AER22TS-3003	Till	4.57	17.2	3.16	0.67	2.95	0.45	2.94	0.62	1.98	0.29	2.05	0.31	0.3	3.9	3.1	35	15.6	2.3	0.2	<0.1
AER22TS-3004	Till	6.42	23.0	4.44	0.91	4.07	0.64	3.86	0.81	2.48	0.37	2.41	0.38	1.6	20.4	12.5	92	25.5	8.2	0.7	0.2
AER22TS-3005	Till	7.38	29.2	5.61	1.19	5.12	0.82	4.96	1.01	2.94	0.46	2.93	0.43	1.2	28.2	12.7	100	37.3	5.5	1.1	0.2
AER22TS-3006	Till	7.28	25.9	3.99	0.72	2.48	0.42	2.96	0.70	2.24	0.35	2.38	0.38	2.1	7.9	19.7	35	17.0	24.1	0.8	0.2
AER22TS-3007	Till	7.87	30.0	5.92	1.41	5.66	0.84	4.75	1.06	3.13	0.42	2.91	0.44	1.0	28.9	13.4	92	39.5	11.3	0.2	0.2
AER22TS-3008	Rock Pulp	6.96	25.8	3.93	1.06	2.74	0.40	2.13	0.38	1.16	0.17	1.16	0.17	12.8	156.4	253.8	210	83.4	9.4	0.5	0.2
AER22TS-3009	Till	6.54	24.9	4.74	1.00	4.31	0.66	3.91	0.84	2.56	0.37	2.27	0.37	2.6	28.9	13.3	101	42.3	10.5	1.2	1.3
AER22TS-3010	Till	7.36	28.0	5.41	1.19	4.85	0.75	4.57	0.89	2.73	0.39	2.56	0.40	0.4	24.3	9.7	71	30.3	7.3	0.2	0.2
AER22TS-3011	Till	8.37	34.4	6.72	1.44	6.51	0.91	5.55	1.13	3.49	0.48	3.10	0.50	0.8	22.5	12.8	69	34.4	9.5	0.3	0.2
AER22TS-3012	Till	6.69	25.3	4.79	0.94	4.14	0.67	3.79	0.87	2.60	0.37	2.61	0.38	2.1	20.3	10.9	73	29.1	6.4	0.3	0.2



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-1091	Till	0.1	0.2	1.1	0.05	0.2	<0.5	56.09	9.10	2.95	2.36	11.27	0.85	1.65	0.48	0.18	0.05	0.008	774	<20	188
AER22TS-1092	Till	<0.1	0.3	1.6	0.07	0.2	0.5	51.32	7.42	2.38	2.37	15.34	0.59	1.51	0.42	0.19	0.04	0.007	660	<20	148
AER22TS-1093	Rock Pulp	0.1	0.1	35.9	0.01	<0.1	<0.5	71.86	12.13	3.99	1.71	3.32	3.41	1.43	0.38	0.13	0.06	0.015	464	88	401
AER22TS-1094	Till	0.1	0.2	1.6	0.06	0.2	<0.5	53.93	7.55	2.51	2.53	13.26	0.54	1.49	0.41	0.19	0.04	0.007	636	<20	144
AER22TS-1095	Till	0.1	0.4	1.5	0.07	0.2	0.5	56.07	8.13	2.56	2.83	11.91	0.39	1.63	0.41	0.18	0.05	0.007	817	20	150
AER22TS-1096	Till	0.1	0.1	1.2	0.06	0.2	<0.5	59.21	8.77	2.97	2.34	9.83	0.81	1.67	0.51	0.17	0.05	0.009	687	<20	157
AER22TS-1097	Till	0.1	0.1	1.2	0.06	0.2	<0.5	62.11	9.87	3.33	2.36	7.12	0.82	1.84	0.57	0.19	0.06	0.009	723	28	134
AER22TS-1098	Till	0.2	0.2	0.9	0.04	0.2	0.6	68.02	13.55	4.31	1.25	1.04	1.01	2.28	0.71	0.16	0.05	0.012	1117	36	120
AER22TS-1099	Till	0.6	0.5	1.1	0.10	0.6	2.7	56.05	14.75	9.67	1.10	0.42	0.34	3.11	0.70	0.62	<0.01	0.016	2625	34	293
AER22TS-1100	Till	0.1	<0.1	1.5	0.06	0.2	<0.5	56.12	17.72	6.81	1.88	1.74	1.58	1.78	0.68	0.18	0.11	0.015	1111	55	229
AER22TS-1101	Pulp DUP	0.2	0.2	1.5	0.08	0.3	<0.5	63.55	13.87	5.22	1.75	1.57	1.32	2.10	0.66	0.19	0.12	0.012	912	39	229
AER22TS-1102	Till	0.2	0.3	2.5	0.08	0.3	<0.5	54.06	12.00	4.47	1.80	9.60	1.23	1.85	0.57	0.19	0.14	0.012	854	34	207
AER22TS-1103	Till	0.2	0.1	1.8	0.09	0.3	0.5	66.79	13.50	5.17	1.27	0.88	0.80	2.08	0.68	0.14	0.06	0.013	761	34	126
AER22TS-1104	Till	0.2	0.2	2.1	0.09	0.3	<0.5	64.70	13.52	5.03	1.65	1.41	1.32	2.08	0.65	0.18	0.11	0.012	902	44	222
AER22TS-1105	Till	0.2	0.2	1.8	0.09	0.3	0.6	63.36	13.90	5.21	1.75	1.57	1.33	2.13	0.66	0.19	0.12	0.011	919	46	230
AER22TS-1106	Till	0.2	0.1	1.7	0.07	0.3	0.6	63.89	14.41	5.38	1.58	1.22	1.19	2.27	0.67	0.16	0.08	0.014	885	46	152
AER22TS-1107	Till	0.2	0.1	1.7	0.06	0.3	<0.5	59.05	12.79	4.85	1.89	5.64	1.18	1.96	0.62	0.17	0.09	0.010	911	37	192
AER22TS-1108	Till	0.2	0.2	1.5	0.05	0.3	<0.5	60.67	12.68	5.13	1.90	4.49	1.02	2.02	0.65	0.18	0.11	0.011	827	44	166
AER22TS-3001	Pulp DUP	<0.1	0.1	1.5	0.05	0.2	<0.5	60.48	7.38	2.54	1.97	10.47	0.87	1.55	0.50	0.19	0.06	0.006	836	<20	215
AER22TS-3002	Till	0.2	0.3	1.7	0.10	0.2	<0.5	66.10	12.86	4.32	1.55	2.03	0.80	1.90	0.66	0.18	0.08	0.011	887	36	102
AER22TS-3003	Till	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5	43.95	6.65	2.58	6.40	15.99	0.06	2.76	0.45	0.09	0.02	0.009	119	20	190
AER22TS-3004	Till	0.1	0.3	1.2	0.06	0.2	<0.5	53.60	9.33	3.31	2.66	12.12	0.40	1.78	0.50	0.18	0.03	0.009	765	24	134
AER22TS-3005	Till	0.2	0.6	1.1	0.08	0.2	0.9	66.37	11.16	3.75	1.66	4.19	0.47	1.71	0.57	0.18	0.08	0.009	820	35	110
AER22TS-3006	Till	0.2	0.2	0.5	0.03	0.4	0.8	61.42	11.14	4.87	0.95	5.45	0.42	2.19	0.70	0.17	<0.01	0.012	1320	<20	178
AER22TS-3007	Till	0.2	0.2	1.9	0.07	0.2	<0.5	64.50	14.99	5.35	1.44	1.05	1.03	2.10	0.70	0.13	0.08	0.013	1121	38	124
AER22TS-3008	Rock Pulp	0.1	0.1	34.7	0.01	<0.1	<0.5	72.04	11.94	4.03	1.71	3.30	3.35	1.39	0.39	0.12	0.07	0.014	469	87	395
AER22TS-3009	Till	0.1	0.3	1.3	0.08	0.2	2.9	60.87	9.24	2.79	2.93	6.93	0.28	1.84	0.49	0.23	0.06	0.009	1053	42	106
AER22TS-3010	Till	0.1	0.2	1.6	0.07	0.2	<0.5	67.45	11.23	3.93	1.83	3.08	1.24	1.95	0.62	0.23	0.05	0.010	775	28	156
AER22TS-3011	Till	0.2	0.2	1.5	0.07	0.2	<0.5	68.86	10.15	3.70	1.51	3.72	0.73	1.81	0.56	0.19	0.06	0.010	773	34	109
AER22TS-3012	Till	0.2	0.2	1.8	0.08	0.2	<0.5	66.17	10.76	3.59	1.57	4.31	0.61	1.82	0.59	0.15	0.04	0.009	788	32	122



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Method	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
Unit	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
MDL	5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-1091	Till	218	19	13	7	14.8	99.90	3.32	0.83	0.02	9.02	0.44	17.12	8.58	58.3	149	21.9	6.5	366	1.71
AER22TS-1092	Till	248	18	10	6	18.2	99.92	4.23	0.81	<0.02	12.49	0.50	16.73	8.42	51.5	288	19.4	5.4	320	1.33
AER22TS-1093	Rock Pulp	165	11	22	9	1.3	99.86	0.07	0.05	<0.02	0.09	12.45	154.50	280.57	213.9	105	79.9	48.3	287	1.65
AER22TS-1094	Till	305	19	13	6	17.3	99.92	3.92	0.85	0.03	11.14	0.54	14.53	8.37	48.3	206	20.6	5.4	298	1.39
AER22TS-1095	Till	252	20	15	7	15.6	99.90	3.31	0.50	<0.02	10.25	1.06	19.47	9.95	66.8	388	24.1	7.0	375	1.44
AER22TS-1096	Till	284	21	8	7	13.4	99.92	2.55	0.40	<0.02	7.85	0.54	16.66	10.00	56.0	106	21.5	7.5	365	1.65
AER22TS-1097	Till	277	22	13	8	11.5	99.92	2.10	0.46	<0.02	5.97	0.63	19.04	9.84	72.2	95	24.2	8.8	390	1.78
AER22TS-1098	Till	281	24	16	11	7.4	99.93	1.30	1.20	0.03	0.24	1.28	24.15	14.45	90.6	174	32.6	11.2	371	2.45
AER22TS-1099	Till	174	26	18	19	12.8	99.90	1.30	1.24	0.04	<0.08	1.95	31.95	58.62	82.7	485	24.9	4.3	33	5.67
AER22TS-1100	Till	226	25	12	17	11.1	99.90	0.35	0.34	<0.02	<0.08	1.00	30.71	10.19	92.2	20	55.7	10.4	818	4.00
AER22TS-1101	Pulp DUP	251	26	10	13	9.4	99.91	1.20	1.13	0.03	0.13	1.36	40.82	18.76	79.8	187	45.3	17.1	863	2.97
AER22TS-1102	Till	204	21	14	11	13.8	99.91	2.33	0.54	0.02	6.48	0.76	29.64	14.18	66.8	251	36.1	13.9	1024	2.62
AER22TS-1103	Till	287	31	15	13	8.4	99.91	0.66	0.63	0.03	<0.08	1.80	30.81	21.09	80.5	124	30.0	13.7	423	2.75
AER22TS-1104	Till	263	25	9	12	9.1	99.91	0.95	0.90	0.03	<0.08	1.30	36.28	16.92	79.5	184	44.2	17.1	804	2.96
AER22TS-1105	Till	253	25	11	13	9.5	99.91	1.18	1.11	0.03	0.14	1.36	40.21	18.92	80.2	195	45.8	17.2	870	3.00
AER22TS-1106	Till	232	30	15	13	8.9	99.90	0.74	0.71	0.03	<0.08	2.50	32.22	18.01	75.9	119	46.7	13.4	551	2.96
AER22TS-1107	Till	234	23	13	11	11.5	99.92	1.56	0.56	0.02	3.57	0.91	28.54	18.33	72.1	152	36.9	16.1	633	2.64
AER22TS-1108	Till	248	24	16	12	10.9	99.91	1.42	0.64	0.02	2.75	1.43	27.85	17.45	73.9	168	43.8	15.5	852	2.78
AER22TS-3001	Pulp DUP	404	22	15	6	13.7	99.93	3.11	0.89	<0.02	8.07	0.76	12.01	9.23	51.9	120	17.9	7.1	439	1.40
AER22TS-3002	Till	276	26	14	12	9.3	99.91	1.70	1.37	<0.02	1.17	1.30	32.00	19.81	96.0	378	36.0	16.3	646	2.42
AER22TS-3003	Till	279	17	10	6	20.9	99.88	4.76	<0.02	<0.02	17.39	0.38	4.04	3.69	34.3	23	16.2	3.3	135	1.13
AER22TS-3004	Till	269	22	13	9	15.8	99.90	3.51	0.67	<0.02	10.41	1.71	22.26	15.72	91.3	314	27.5	10.1	231	1.87
AER22TS-3005	Till	289	27	16	10	9.6	99.91	1.66	0.95	<0.02	2.60	1.17	28.31	14.56	95.4	667	36.8	14.0	595	1.99
AER22TS-3006	Till	238	19	17	12	12.4	99.93	2.30	1.27	0.03	3.66	2.00	7.95	23.06	33.2	264	17.7	2.6	40	2.74
AER22TS-3007	Till	249	27	15	14	8.4	99.91	0.54	0.52	<0.02	<0.08	1.16	29.38	16.09	91.1	205	39.9	13.1	613	2.94
AER22TS-3008	Rock Pulp	164	12	18	9	1.4	99.87	0.07	0.04	<0.02	0.13	12.35	156.55	285.09	207.2	115	82.3	51.1	282	1.66
AER22TS-3009	Till	286	23	15	8	14.0	99.89	3.34	1.49	<0.02	6.71	2.58	27.93	14.75	94.4	326	40.7	11.2	438	1.54
AER22TS-3010	Till	275	24	13	9	8.2	99.92	1.12	0.54	<0.02	2.05	0.45	23.38	10.84	64.0	208	28.7	8.2	384	2.15
AER22TS-3011	Till	400	32	15	9	8.5	99.94	1.20	0.46	<0.02	2.66	0.77	21.65	15.05	65.0	238	32.9	10.1	415	1.98
AER22TS-3012	Till	312	23	14	9	10.1	99.93	1.43	0.52	<0.02	3.26	2.13	20.27	13.02	70.3	212	29.4	11.0	261	1.85



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-1091	Till	0.8	1.4	4.0	108.0	0.37	0.38	0.12	30	7.44	0.075	14.0	19.2	1.19	310.9	0.008	3	1.27	0.008	0.12	<0.1
AER22TS-1092	Till	0.7	1.7	3.1	93.5	0.46	0.40	0.10	23	10.51	0.075	12.9	15.0	1.18	284.5	0.006	3	0.95	0.007	0.12	<0.1
AER22TS-1093	Rock Pulp	0.4	39.1	3.2	35.7	0.49	0.20	0.15	26	0.64	0.052	26.2	33.5	0.50	63.8	0.082	2	0.85	0.095	0.12	<0.1
AER22TS-1094	Till	0.6	1.6	2.8	92.6	0.43	0.33	0.10	25	8.97	0.076	12.2	15.2	1.29	282.6	0.004	4	1.08	0.010	0.13	<0.1
AER22TS-1095	Till	0.7	1.5	4.1	116.6	0.70	0.45	0.11	25	8.13	0.074	13.3	15.7	1.42	484.7	0.002	3	1.09	0.007	0.16	<0.1
AER22TS-1096	Till	0.7	1.0	4.2	79.8	0.36	0.35	0.11	28	6.48	0.070	13.7	17.4	1.17	230.1	0.007	4	1.10	0.009	0.14	<0.1
AER22TS-1097	Till	0.7	1.4	4.7	54.2	0.33	0.33	0.12	28	4.67	0.078	14.3	18.3	1.11	220.7	0.006	3	1.16	0.007	0.14	<0.1
AER22TS-1098	Till	0.7	1.1	3.2	26.3	0.27	0.41	0.20	35	0.57	0.056	8.5	21.0	0.43	415.7	0.002	3	1.46	0.009	0.17	<0.1
AER22TS-1099	Till	1.3	1.0	18.8	181.7	0.07	0.64	0.69	53	0.28	0.235	7.3	27.3	0.26	69.5	<0.001	4	1.14	0.046	0.55	<0.1
AER22TS-1100	Till	0.5	1.2	5.1	50.3	0.17	0.70	0.15	73	0.67	0.074	18.7	51.7	0.74	579.6	0.014	<1	3.16	0.011	0.19	<0.1
AER22TS-1101	Pulp DUP	1.1	2.3	7.0	86.0	0.21	0.83	0.24	50	0.77	0.076	23.2	34.6	0.74	279.8	0.023	7	1.90	0.013	0.18	<0.1
AER22TS-1102	Till	0.9	2.7	5.7	78.2	0.41	0.64	0.19	46	6.16	0.080	18.2	33.1	0.80	301.5	0.026	5	1.82	0.009	0.17	<0.1
AER22TS-1103	Till	1.3	2.3	8.0	37.7	0.06	0.66	0.26	45	0.45	0.058	26.3	28.7	0.42	256.7	0.011	8	1.59	0.013	0.19	<0.1
AER22TS-1104	Till	1.1	2.3	6.9	84.8	0.19	0.85	0.24	50	0.68	0.079	23.1	34.6	0.72	302.5	0.024	7	1.89	0.012	0.18	<0.1
AER22TS-1105	Till	1.1	1.9	7.0	89.5	0.23	0.87	0.25	48	0.77	0.077	23.9	34.5	0.75	294.5	0.024	7	1.91	0.013	0.18	<0.1
AER22TS-1106	Till	1.1	2.0	6.8	30.2	0.06	0.63	0.24	49	0.58	0.060	24.9	47.2	0.62	247.1	0.015	5	2.02	0.012	0.22	<0.1
AER22TS-1107	Till	1.0	2.3	7.3	70.4	0.40	0.55	0.27	43	3.66	0.075	21.1	31.5	0.84	374.8	0.015	5	1.74	0.009	0.15	<0.1
AER22TS-1108	Till	1.1	1.6	7.2	60.2	0.37	0.54	0.26	44	2.85	0.080	21.7	31.8	0.83	328.5	0.015	8	1.73	0.014	0.18	<0.1
AER22TS-3001	Pulp DUP	1.3	1.9	2.6	128.6	0.45	0.44	0.10	22	7.05	0.082	14.9	13.6	1.03	424.8	0.009	5	0.94	0.009	0.14	<0.1
AER22TS-3002	Till	0.7	1.9	4.6	28.5	0.78	0.54	0.27	36	1.33	0.072	10.9	21.0	0.62	441.0	0.002	4	1.53	0.006	0.17	<0.1
AER22TS-3003	Till	0.7	<0.2	3.4	180.0	0.19	0.15	0.10	11	10.45	0.040	12.1	20.8	3.22	60.0	0.001	13	0.80	0.013	0.47	<0.1
AER22TS-3004	Till	1.0	0.8	4.4	88.9	0.83	0.41	0.17	36	8.22	0.080	10.5	20.3	1.34	418.3	0.003	7	1.23	0.007	0.23	<0.1
AER22TS-3005	Till	1.0	0.9	4.1	62.2	1.24	0.41	0.19	43	2.85	0.073	12.4	24.9	0.75	497.4	0.003	5	1.70	0.008	0.26	<0.1
AER22TS-3006	Till	0.7	0.4	5.3	107.5	0.94	0.22	0.29	25	3.71	0.061	3.5	18.3	0.24	307.4	<0.001	5	0.75	0.030	0.28	<0.1
AER22TS-3007	Till	0.8	2.4	5.4	28.1	0.26	0.40	0.25	46	0.52	0.052	14.8	30.3	0.48	572.6	0.002	2	2.10	0.009	0.19	<0.1
AER22TS-3008	Rock Pulp	0.5	40.1	3.5	34.2	0.56	0.20	0.16	26	0.61	0.056	25.5	33.2	0.49	66.9	0.076	2	0.84	0.095	0.12	<0.1
AER22TS-3009	Till	1.0	0.7	5.1	71.2	1.23	1.90	0.15	34	4.70	0.098	14.2	20.8	1.48	721.8	0.002	5	1.02	0.006	0.17	<0.1
AER22TS-3010	Till	0.8	1.5	5.7	34.4	0.17	0.33	0.16	34	1.85	0.092	18.1	24.5	0.84	194.0	0.009	3	1.41	0.006	0.12	<0.1
AER22TS-3011	Till	1.0	1.5	6.1	35.0	0.30	0.38	0.18	32	2.38	0.078	20.3	20.6	0.65	310.9	0.005	3	1.34	0.006	0.15	<0.1
AER22TS-3012	Till	0.9	2.3	5.5	57.4	0.35	0.29	0.19	30	2.82	0.060	16.1	19.1	0.67	350.1	0.003	3	1.38	0.005	0.14	<0.1



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		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
AER22TS-1091	Till	3.6	0.17	<0.02	50	0.5	0.03	3.8	0.87	<0.1	0.10	0.24	10.5	0.7	<0.05	4.6	10.44	28.1	0.02	<1	0.6
AER22TS-1092	Till	2.8	0.19	0.02	75	0.5	0.03	2.8	0.64	<0.1	0.06	0.22	9.2	0.8	<0.05	3.4	10.25	25.0	<0.02	<1	0.5
AER22TS-1093	Rock Pulp	3.2	0.08	0.05	15	0.1	0.02	2.7	1.13	<0.1	0.19	0.46	7.2	2.5	<0.05	6.5	6.06	44.0	0.04	<1	0.2
AER22TS-1094	Till	2.9	0.19	0.03	70	0.5	0.04	3.0	0.67	<0.1	0.08	0.28	10.7	0.5	<0.05	3.6	10.34	23.5	<0.02	<1	0.6
AER22TS-1095	Till	3.5	0.17	<0.02	76	0.5	0.04	3.2	0.66	<0.1	0.12	0.08	10.8	0.9	<0.05	5.7	12.10	26.1	0.02	<1	0.6
AER22TS-1096	Till	3.3	0.20	<0.02	59	0.4	0.04	3.3	0.96	<0.1	0.10	0.14	12.7	1.3	<0.05	5.5	11.12	27.2	0.02	<1	0.5
AER22TS-1097	Till	3.7	0.22	<0.02	47	0.3	0.03	3.6	0.99	<0.1	0.13	0.06	12.5	0.8	<0.05	6.1	11.60	28.5	0.02	<1	0.6
AER22TS-1098	Till	4.5	0.17	<0.02	47	0.5	0.05	4.3	1.51	<0.1	0.03	0.12	15.6	1.8	<0.05	1.6	10.19	18.9	0.04	1	0.7
AER22TS-1099	Till	8.3	0.57	1.17	99	2.5	0.25	3.3	2.22	<0.1	0.05	0.05	67.2	0.9	<0.05	3.7	11.13	23.6	0.16	5	0.6
AER22TS-1100	Till	11.1	0.18	<0.02	53	0.4	0.04	9.3	0.98	<0.1	0.17	0.06	15.3	1.6	<0.05	7.5	16.96	39.1	0.04	<1	0.9
AER22TS-1101	Pulp DUP	6.4	0.33	<0.02	80	0.4	0.06	6.1	2.02	<0.1	0.29	0.37	19.5	2.4	<0.05	13.9	15.02	45.9	0.04	<1	1.0
AER22TS-1102	Till	5.9	0.25	0.03	66	0.5	0.05	5.4	1.68	<0.1	0.22	0.29	17.6	2.0	<0.05	11.0	13.30	34.9	0.03	<1	0.7
AER22TS-1103	Till	5.7	0.34	<0.02	78	0.6	0.06	4.9	2.48	<0.1	0.22	0.22	22.0	4.0	<0.05	12.8	21.13	52.7	0.04	<1	1.0
AER22TS-1104	Till	6.4	0.32	<0.02	83	0.5	0.05	6.1	2.12	<0.1	0.28	0.34	19.2	1.5	<0.05	13.9	14.96	47.1	0.04	<1	0.9
AER22TS-1105	Till	6.5	0.31	<0.02	83	0.5	0.09	6.2	2.07	<0.1	0.31	0.40	19.7	2.8	<0.05	15.1	16.07	48.3	0.04	<1	1.0
AER22TS-1106	Till	6.5	0.29	<0.02	70	0.4	0.05	6.3	1.82	<0.1	0.14	0.23	22.3	7.6	<0.05	9.0	19.47	48.4	0.04	<1	1.0
AER22TS-1107	Till	6.2	0.29	<0.02	72	0.2	0.04	5.9	1.84	<0.1	0.27	0.20	15.3	1.6	<0.05	11.3	13.69	42.8	0.05	<1	0.9
AER22TS-1108	Till	5.6	0.33	<0.02	66	0.2	0.04	6.0	1.88	<0.1	0.24	0.12	17.3	3.6	<0.05	11.2	13.62	43.5	0.03	<1	0.8
AER22TS-3001	Pulp DUP	2.2	0.21	0.06	49	0.4	0.02	3.0	0.97	<0.1	0.08	0.32	10.4	0.4	<0.05	2.9	10.27	29.4	<0.02	<1	0.3
AER22TS-3002	Till	5.1	0.22	<0.02	116	0.4	0.04	4.6	1.66	<0.1	0.08	0.10	14.0	2.3	<0.05	3.0	12.40	25.9	0.04	<1	1.0
AER22TS-3003	Till	3.3	0.09	0.03	14	0.2	0.02	1.8	2.05	<0.1	0.08	<0.02	19.1	0.9	<0.05	3.1	9.28	23.2	0.02	<1	0.5
AER22TS-3004	Till	4.1	0.19	<0.02	57	0.4	0.03	3.9	1.56	<0.1	0.10	0.11	15.7	3.0	<0.05	4.5	11.48	21.6	0.04	<1	0.7
AER22TS-3005	Till	5.2	0.16	0.06	82	1.0	0.03	4.7	1.38	<0.1	0.08	0.04	14.1	2.5	<0.05	3.1	12.88	27.6	0.03	2	1.0
AER22TS-3006	Till	4.5	0.35	0.54	43	0.8	0.09	2.7	1.62	<0.1	0.06	0.08	27.4	1.3	<0.05	4.0	3.39	7.5	0.04	2	0.3
AER22TS-3007	Till	7.6	0.25	<0.02	91	0.5	0.05	6.1	1.94	<0.1	0.07	0.05	17.8	2.0	<0.05	3.3	14.74	29.9	0.04	<1	0.6
AER22TS-3008	Rock Pulp	3.2	0.08	0.04	17	<0.1	<0.02	3.1	1.26	0.1	0.19	0.52	7.6	2.7	<0.05	6.1	5.75	44.6	0.04	<1	0.2
AER22TS-3009	Till	4.0	0.16	0.03	98	2.8	0.03	3.7	0.70	<0.1	0.23	0.24	11.9	1.7	<0.05	13.5	13.10	28.1	0.03	<1	1.0
AER22TS-3010	Till	4.4	0.18	<0.02	78	0.3	0.02	4.7	1.30	<0.1	0.12	0.15	12.0	0.8	<0.05	5.3	12.34	35.1	0.03	<1	0.7
AER22TS-3011	Till	4.8	0.24	<0.02	98	0.4	0.03	4.3	1.15	<0.1	0.13	0.10	13.4	1.3	<0.05	6.7	21.95	36.1	0.04	<1	0.7
AER22TS-3012	Till	4.4	0.20	<0.02	90	0.2	0.03	4.3	0.92	<0.1	0.12	0.10	11.4	0.7	<0.05	5.5	10.21	32.5	0.03	<1	0.7



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		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-1091	Till	12.1	3.44	14.22	2.90	0.59	2.64	0.33	1.91	0.32	0.84	0.10	0.60	0.09	<10	<2
AER22TS-1092	Till	8.7	3.15	12.64	2.64	0.54	2.41	0.30	1.76	0.31	0.81	0.10	0.59	0.08	<10	<2
AER22TS-1093	Rock Pulp	8.6	5.41	18.00	2.67	0.58	1.76	0.20	1.19	0.21	0.56	0.07	0.47	0.06	45	26
AER22TS-1094	Till	8.3	3.01	12.36	2.59	0.54	2.41	0.31	1.81	0.31	0.81	0.10	0.60	0.08	<10	<2
AER22TS-1095	Till	10.8	3.30	13.68	2.85	0.57	2.63	0.34	1.98	0.34	0.89	0.11	0.63	0.09	<10	<2
AER22TS-1096	Till	9.4	3.34	13.69	2.85	0.59	2.63	0.34	1.97	0.34	0.90	0.11	0.66	0.09	<10	<2
AER22TS-1097	Till	9.9	3.56	14.47	3.06	0.63	2.79	0.36	2.09	0.35	0.92	0.11	0.66	0.09	<10	<2
AER22TS-1098	Till	19.7	2.44	10.80	2.70	0.61	2.82	0.36	2.01	0.33	0.79	0.09	0.54	0.07	<10	<2
AER22TS-1099	Till	22.8	3.86	16.79	4.67	1.11	4.74	0.55	2.70	0.41	0.93	0.10	0.53	0.07	<10	<2
AER22TS-1100	Till	23.0	5.01	20.35	4.41	0.96	4.14	0.55	3.15	0.55	1.42	0.18	1.10	0.15	<10	<2
AER22TS-1101	Pulp DUP	18.2	5.29	21.07	4.25	0.86	3.81	0.47	2.89	0.50	1.34	0.18	1.07	0.15	<10	<2
AER22TS-1102	Till	15.9	4.19	16.94	3.46	0.70	3.08	0.38	2.37	0.41	1.14	0.15	0.91	0.13	<10	<2
AER22TS-1103	Till	13.6	6.53	26.50	5.61	1.14	5.05	0.67	4.00	0.71	1.91	0.24	1.54	0.22	<10	<2
AER22TS-1104	Till	18.3	5.36	21.42	4.30	0.85	3.69	0.47	2.84	0.50	1.34	0.17	1.07	0.15	<10	<2
AER22TS-1105	Till	18.9	5.46	21.58	4.33	0.86	3.79	0.48	2.94	0.52	1.37	0.17	1.11	0.16	<10	<2
AER22TS-1106	Till	17.5	6.28	24.31	5.01	1.02	4.55	0.60	3.45	0.61	1.64	0.21	1.28	0.18	<10	<2
AER22TS-1107	Till	18.4	5.05	19.94	4.18	0.86	4.04	0.51	2.72	0.48	1.33	0.18	1.11	0.16	<10	<2
AER22TS-1108	Till	18.5	5.50	21.29	4.25	0.89	4.15	0.53	2.76	0.51	1.29	0.18	1.16	0.15	<10	<2
AER22TS-3001	Pulp DUP	11.0	3.76	14.52	2.86	0.63	2.84	0.36	1.88	0.35	0.91	0.12	0.77	0.12	<10	<2
AER22TS-3002	Till	16.3	3.35	14.31	3.79	0.93	4.01	0.48	2.50	0.44	1.13	0.13	0.81	0.10	<10	<2
AER22TS-3003	Till	16.4	3.17	11.96	2.48	0.49	2.44	0.32	1.62	0.31	0.87	0.10	0.66	0.10	<10	<2
AER22TS-3004	Till	15.4	2.94	12.30	3.20	0.70	3.02	0.38	2.24	0.37	1.02	0.11	0.69	0.11	<10	<2
AER22TS-3005	Till	16.1	3.87	16.66	3.88	0.90	3.86	0.49	2.49	0.41	1.09	0.14	0.83	0.13	<10	<2
AER22TS-3006	Till	17.7	0.99	4.50	1.24	0.22	0.84	0.09	0.58	0.09	0.29	0.04	0.24	0.03	<10	<2
AER22TS-3007	Till	21.3	4.40	18.45	4.13	1.11	4.68	0.59	3.04	0.52	1.33	0.16	0.97	0.14	<10	<2
AER22TS-3008	Rock Pulp	9.5	5.57	18.36	2.82	0.67	1.85	0.24	1.22	0.20	0.56	0.08	0.53	0.07	43	28
AER22TS-3009	Till	12.4	3.99	15.71	3.54	0.80	3.45	0.46	2.49	0.45	1.15	0.12	0.76	0.10	<10	<2
AER22TS-3010	Till	12.9	4.68	18.09	3.83	0.83	3.71	0.47	2.50	0.43	1.11	0.15	0.89	0.11	<10	<2
AER22TS-3011	Till	9.9	5.68	24.67	5.39	1.20	5.76	0.70	3.77	0.66	1.85	0.24	1.51	0.20	<10	<2
AER22TS-3012	Till	13.1	4.28	16.84	3.46	0.70	3.15	0.40	2.22	0.37	1.00	0.12	0.76	0.10	<10	<2



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	Method Analyte Unit MDL	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-3013	Till	2.04	988	1	11.2	2.7	10.6	8.1	9.9	53.8	2	282.2	0.7	7.9	3.3	86	1.1	314.6	24.0	29.5	55.7
AER22TS-3014	Till	2.07	840	1	7.7	2.6	8.7	10.4	9.9	50.4	1	231.6	0.6	8.0	3.0	61	1.4	431.3	22.9	29.2	56.1
AER22TS-3015	Till	2.43	886	3	7.8	2.6	9.0	10.7	10.3	53.6	1	231.1	0.7	7.8	3.1	63	0.8	430.8	26.4	30.3	58.2
AER22TS-3016	Till	2.20	468	1	4.1	3.1	8.1	11.3	9.2	46.2	2	157.3	0.6	7.4	3.1	67	1.4	468.0	25.7	26.1	52.0
AER22TS-3017	Till	2.32	679	4	7.3	4.2	9.5	7.6	8.4	61.5	2	118.8	0.6	7.9	2.8	85	1.2	307.1	24.1	27.3	52.2
AER22TS-3018	Till	2.12	610	5	8.3	5.3	11.8	8.9	10.4	78.6	2	113.7	0.7	9.0	3.6	97	1.3	371.2	29.8	33.0	58.1
AER22TS-3019	Till	2.00	983	3	8.3	2.5	9.8	8.0	9.6	54.4	1	288.0	0.6	7.7	2.5	76	1.4	317.9	24.7	29.4	53.9
AER22TS-3020	Till	2.43	822	3	4.9	7.0	15.7	10.5	15.4	91.3	2	121.4	1.0	14.9	4.9	158	1.8	419.9	27.9	40.3	76.6
AER22TS-3021	Pulp DUP		1602	1	12.3	3.6	10.9	7.6	8.4	57.2	1	188.2	0.6	7.7	2.8	83	0.9	316.0	23.7	27.4	51.1
AER22TS-3022	Till	2.20	886	<1	15.0	6.5	15.9	6.3	11.9	90.1	2	109.7	0.8	9.6	3.3	166	1.7	254.7	27.8	33.6	63.0
AER22TS-3023	Till	2.16	744	3	10.2	3.3	11.0	6.7	8.1	48.1	1	181.8	0.5	6.4	2.2	99	1.0	254.6	23.1	25.1	46.5
AER22TS-3024	Till	2.06	629	<1	10.0	4.5	13.0	7.5	11.1	77.9	2	99.8	0.8	9.7	3.3	108	1.2	285.9	26.7	33.0	59.2
AER22TS-3025	Till	2.46	1436	6	13.4	9.8	15.9	6.3	14.7	127.7	2	99.4	1.0	12.6	4.0	228	1.9	247.1	29.7	41.0	75.0
AER22TS-3026	Till	2.46	801	<1	8.3	4.7	11.9	7.8	9.4	70.4	1	105.7	0.6	9.2	3.0	91	1.5	303.9	24.9	33.7	62.1
AER22TS-3027	Till	2.31	1027	<1	13.0	3.5	13.0	5.3	9.2	65.3	1	163.5	0.6	7.4	3.2	121	1.2	216.2	21.7	26.1	50.4
AER22TS-3028	Till	1.99	1777	<1	8.0	8.1	13.2	5.2	11.7	99.5	2	210.6	0.8	10.9	5.4	187	1.4	195.7	24.0	32.0	62.4
AER22TS-3029	Till	2.35	807	4	8.6	3.6	11.4	6.4	10.0	65.5	1	192.7	0.7	7.9	3.2	94	1.1	248.2	22.2	29.9	57.4
AER22TS-3030	Till	2.28	1045	<1	15.8	3.9	14.7	7.3	10.3	68.7	2	195.5	0.7	9.9	3.8	113	1.3	284.9	24.4	29.6	57.0
AER22TS-3031	Till	2.33	814	<1	7.6	3.8	10.2	5.7	11.0	62.6	1	140.0	0.7	8.3	2.9	79	1.3	219.4	24.3	31.0	58.7
AER22TS-3032	Till	2.08	875	<1	9.0	5.3	13.7	2.8	8.9	78.2	2	200.8	0.6	8.8	2.7	113	0.9	101.8	18.8	29.1	51.7
AER22TS-3033	Till	2.57	1068	<1	11.3	3.9	11.9	6.9	10.0	65.7	1	163.8	0.7	8.5	3.0	99	1.1	274.1	25.5	29.1	53.2
AER22TS-3034	Till	3.27	1424	<1	12.1	4.1	12.2	6.7	9.8	64.7	2	165.7	0.6	8.6	3.2	103	0.8	281.3	26.5	31.4	54.9
AER22TS-3035	Till	1.99	841	3	8.4	3.9	20.0	8.8	14.8	77.7	2	180.9	1.1	14.5	4.4	152	1.8	348.0	31.4	40.8	72.9
AER22TS-3036	Till	2.27	715	<1	11.2	5.3	15.0	5.8	11.0	85.7	1	115.6	0.7	9.1	3.5	139	1.3	225.7	25.5	29.8	55.9
AER22TS-3037	Rock Pulp	0.07	460	<1	53.8	1.9	13.3	3.9	16.9	37.7	6	414.0	0.5	4.2	0.8	64	<0.5	153.3	11.0	32.8	59.9
AER22TS-3038	Till	2.36	865	2	16.2	4.2	14.3	6.0	10.9	79.1	1	161.6	0.9	9.3	3.4	127	1.5	235.9	23.7	29.8	57.4
AER22TS-3039	Till	2.10	660	3	9.5	3.3	10.9	11.0	10.6	60.6	1	144.6	0.8	9.1	2.4	93	1.0	436.1	25.7	31.1	60.2
AER22TS-3040	Till	2.44	1094	2	6.9	2.7	8.1	7.4	9.1	52.0	1	170.0	0.6	6.8	2.7	74	1.1	316.6	22.0	24.5	45.6
AER22TS-3041	Pulp DUP		1162	2	10.9	3.9	15.0	7.0	11.2	72.6	1	203.8	0.7	10.0	2.8	98	1.7	290.9	29.2	35.5	67.3
AER22TS-3042	Till	2.14	839	<1	5.6	3.1	9.7	6.4	9.1	59.8	<1	131.9	0.5	7.5	2.6	82	1.1	256.8	22.9	28.1	48.6



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	Method Analyte Unit MDL	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-3013	Till	6.55	24.8	4.92	1.07	4.29	0.63	4.01	0.82	2.43	0.34	2.29	0.35	0.8	15.6	8.7	63	29.6	19.8	0.4	0.4
AER22TS-3014	Till	6.52	24.8	4.66	0.97	4.00	0.62	3.98	0.78	2.34	0.35	2.34	0.37	0.7	11.7	7.7	50	17.5	7.5	0.4	0.3
AER22TS-3015	Till	6.82	25.6	4.80	0.99	4.49	0.69	3.95	0.87	2.66	0.39	2.66	0.40	0.7	12.2	7.7	52	17.9	7.5	0.4	0.3
AER22TS-3016	Till	6.03	21.9	4.45	0.84	4.16	0.66	3.85	0.82	2.48	0.35	2.57	0.39	0.1	8.9	6.9	43	15.0	2.8	0.3	0.1
AER22TS-3017	Till	6.33	23.9	4.59	0.91	4.27	0.65	3.70	0.78	2.30	0.34	2.11	0.36	0.4	16.2	9.1	50	17.6	5.0	0.5	0.2
AER22TS-3018	Till	7.34	27.1	5.12	1.13	4.88	0.72	4.45	0.98	2.69	0.42	2.65	0.41	0.8	18.9	9.2	65	19.6	6.8	0.6	0.2
AER22TS-3019	Till	6.51	23.8	4.71	1.01	4.42	0.64	4.05	0.82	2.49	0.36	2.47	0.36	0.5	15.8	8.7	57	24.2	7.1	0.4	0.3
AER22TS-3020	Till	9.11	33.4	6.21	1.27	5.34	0.82	4.92	0.99	3.19	0.49	3.27	0.48	1.9	26.2	22.8	57	15.5	15.9	<0.1	0.2
AER22TS-3021	Pulp DUP	6.26	23.7	4.86	1.07	4.42	0.65	3.88	0.82	2.34	0.31	2.24	0.35	0.6	19.8	9.5	62	25.0	6.4	0.6	0.2
AER22TS-3022	Till	7.58	28.9	5.47	1.20	4.88	0.77	4.49	0.98	2.83	0.40	2.85	0.42	1.0	31.1	13.7	96	36.9	10.8	0.3	0.2
AER22TS-3023	Till	5.82	23.5	4.32	1.14	4.32	0.65	3.84	0.72	2.15	0.32	2.06	0.32	0.3	20.8	8.8	59	21.8	4.9	0.6	0.2
AER22TS-3024	Till	7.16	26.8	5.28	1.10	4.75	0.76	4.15	0.92	2.65	0.38	2.53	0.39	0.6	23.8	12.0	70	27.8	7.9	0.3	0.3
AER22TS-3025	Till	8.93	33.9	6.16	1.18	5.02	0.83	5.20	1.06	3.00	0.45	2.86	0.48	0.7	21.8	17.0	114	34.3	12.5	<0.1	0.2
AER22TS-3026	Till	7.33	25.2	5.26	1.08	4.68	0.67	4.11	0.86	2.44	0.38	2.47	0.39	0.6	16.0	12.1	73	19.3	12.9	0.5	0.2
AER22TS-3027	Till	5.87	22.2	4.44	1.00	4.30	0.64	3.67	0.71	2.25	0.32	2.05	0.34	1.0	30.1	10.5	85	28.1	8.0	0.4	0.2
AER22TS-3028	Till	7.89	30.9	6.57	1.52	5.84	0.77	4.41	0.91	2.79	0.40	2.43	0.36	8.9	33.2	17.1	104	29.7	25.7	0.2	0.4
AER22TS-3029	Till	6.65	24.9	4.54	0.97	4.22	0.63	3.85	0.78	2.33	0.31	2.21	0.34	0.5	19.4	9.7	69	24.5	5.4	0.5	0.2
AER22TS-3030	Till	6.68	24.8	4.79	1.10	4.66	0.69	4.00	0.86	2.59	0.39	2.47	0.38	0.8	28.2	13.2	92	30.4	8.8	0.3	0.2
AER22TS-3031	Till	7.00	27.0	4.99	1.03	4.69	0.68	4.25	0.87	2.41	0.35	2.40	0.36	0.3	15.9	8.4	62	18.7	4.6	0.5	0.2
AER22TS-3032	Till	6.14	22.8	4.11	0.92	3.58	0.55	3.11	0.63	1.89	0.26	1.80	0.29	0.5	21.9	10.0	65	25.7	5.2	0.4	0.1
AER22TS-3033	Till	6.53	26.0	4.98	0.98	4.60	0.71	4.24	0.85	2.47	0.35	2.43	0.38	0.7	20.3	11.1	70	26.1	6.4	0.5	0.3
AER22TS-3034	Till	6.88	26.8	5.17	1.18	4.74	0.73	4.03	0.82	2.36	0.34	2.51	0.37	0.7	21.0	9.9	69	26.4	7.3	0.6	0.2
AER22TS-3035	Till	9.47	37.0	7.48	1.76	7.37	1.07	5.69	1.14	3.27	0.47	3.01	0.46	0.8	32.2	12.6	90	33.9	10.4	<0.1	0.1
AER22TS-3036	Till	6.68	25.6	4.68	1.05	4.72	0.69	4.07	0.85	2.53	0.38	2.58	0.39	1.6	29.2	13.3	90	34.4	10.7	0.5	0.3
AER22TS-3037	Rock Pulp	6.93	24.6	3.98	1.02	3.09	0.39	1.98	0.39	1.16	0.16	1.12	0.17	12.8	156.8	258.8	212	80.1	9.8	0.5	0.2
AER22TS-3038	Till	6.74	25.6	4.69	1.01	4.46	0.66	3.94	0.81	2.35	0.35	2.29	0.39	1.1	28.3	12.5	90	36.1	7.1	0.7	0.3
AER22TS-3039	Till	7.16	27.2	4.99	0.99	4.49	0.71	4.06	0.89	2.72	0.38	2.63	0.42	0.5	18.7	8.8	49	25.5	7.0	0.3	0.2
AER22TS-3040	Till	5.60	21.3	4.07	0.75	3.68	0.56	3.17	0.68	2.11	0.33	2.12	0.34	0.6	12.2	8.0	56	18.7	6.2	0.5	0.3
AER22TS-3041	Pulp DUP	8.18	31.8	5.87	1.34	5.61	0.82	4.75	1.02	2.94	0.42	2.80	0.43	0.7	27.6	12.2	67	37.4	9.7	0.1	0.4
AER22TS-3042	Till	6.24	24.5	4.56	0.97	4.11	0.61	3.61	0.75	2.27	0.31	2.15	0.34	0.5	12.6	7.6	52	15.5	4.0	0.5	0.2



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-3013	Till	<0.1	<0.1	1.2	0.04	0.2	<0.5	58.59	9.73	3.50	2.63	8.65	1.17	1.59	0.56	0.17	0.06	0.009	926	25	260
AER22TS-3014	Till	<0.1	0.1	1.4	0.05	0.2	<0.5	61.36	7.33	2.51	2.02	10.04	0.87	1.52	0.49	0.18	0.06	0.006	813	<20	213
AER22TS-3015	Till	<0.1	0.1	1.5	0.04	0.2	<0.5	60.38	7.28	2.55	1.96	10.50	0.85	1.52	0.49	0.19	0.06	0.006	837	<20	210
AER22TS-3016	Till	<0.1	0.1	0.8	0.01	0.1	<0.5	52.59	7.05	2.66	3.76	13.29	0.39	1.13	0.42	0.17	0.04	0.004	448	<20	141
AER22TS-3017	Till	0.1	0.2	1.5	0.05	0.2	<0.5	49.25	8.02	2.63	2.44	15.57	0.38	1.40	0.42	0.16	0.05	0.006	631	<20	104
AER22TS-3018	Till	0.1	0.2	1.0	0.02	0.2	<0.5	51.96	9.61	3.14	3.51	11.08	0.32	1.76	0.48	0.18	0.04	0.007	570	<20	100
AER22TS-3019	Till	<0.1	0.1	1.8	0.06	0.2	<0.5	55.63	8.52	2.93	2.02	11.77	1.01	1.62	0.53	0.16	0.05	0.008	924	20	257
AER22TS-3020	Till	0.3	0.1	1.3	0.05	0.2	0.7	68.74	12.75	5.45	0.96	0.31	0.70	1.86	0.77	0.21	<0.01	0.015	776	<20	112
AER22TS-3021	Pulp DUP	0.1	0.2	1.6	0.07	0.2	<0.5	50.50	9.17	3.17	2.34	13.49	0.69	1.44	0.46	0.16	0.06	0.008	1497	31	171
AER22TS-3022	Till	0.2	0.2	1.6	0.08	0.2	<0.5	64.19	13.68	4.67	1.88	2.00	0.91	2.11	0.68	0.19	0.07	0.013	872	42	103
AER22TS-3023	Till	0.1	0.2	1.7	0.06	0.1	<0.5	43.95	9.82	3.18	1.87	16.96	0.79	1.21	0.53	0.16	0.30	0.010	737	24	175
AER22TS-3024	Till	0.2	0.2	1.4	0.07	0.2	<0.5	62.72	10.89	3.65	2.57	4.88	0.57	1.92	0.55	0.20	0.05	0.008	610	31	93
AER22TS-3025	Till	0.2	0.2	0.7	0.05	0.1	0.5	66.53	14.13	4.11	1.66	1.60	0.40	2.61	0.72	0.21	0.02	0.014	1442	37	94
AER22TS-3026	Till	0.1	<0.1	1.2	0.03	0.3	<0.5	59.65	10.70	3.12	2.34	6.65	0.48	1.76	0.49	0.18	0.05	0.006	788	22	95
AER22TS-3027	Till	0.1	0.2	1.1	0.05	0.1	<0.5	59.95	11.22	3.92	2.60	6.39	1.09	1.70	0.58	0.15	0.04	0.010	994	28	150
AER22TS-3028	Till	0.2	0.3	1.7	0.09	0.8	2.1	55.32	10.38	6.44	0.97	7.26	0.46	1.95	0.58	0.24	0.01	0.010	1692	31	195
AER22TS-3029	Till	0.1	0.1	1.0	0.04	0.2	<0.5	53.88	9.38	3.24	3.16	11.08	0.50	1.72	0.51	0.17	0.06	0.007	780	25	180
AER22TS-3030	Till	0.2	0.2	1.2	0.06	0.2	0.8	61.33	12.40	4.43	2.18	4.65	1.25	1.78	0.58	0.14	0.06	0.011	962	32	175
AER22TS-3031	Till	0.1	0.1	1.1	0.04	0.1	<0.5	58.93	8.46	2.64	2.95	9.99	0.63	1.69	0.53	0.17	0.05	0.005	785	24	131
AER22TS-3032	Till	0.2	0.2	1.1	0.05	0.2	0.5	37.87	10.73	3.71	4.25	17.38	0.28	1.76	0.42	0.14	0.05	0.007	813	30	182
AER22TS-3033	Till	0.1	0.2	2.1	0.06	0.2	0.5	54.10	10.17	3.48	2.30	9.60	0.72	1.65	0.50	0.18	0.07	0.009	1006	33	144
AER22TS-3034	Till	0.1	0.2	1.6	0.07	0.2	0.6	51.41	10.24	3.54	2.39	11.14	0.68	1.63	0.51	0.18	0.06	0.009	1341	30	147
AER22TS-3035	Till	0.2	<0.1	2.0	0.05	0.2	<0.5	59.56	17.24	5.04	1.49	1.32	1.59	2.27	1.13	0.18	0.03	0.015	872	30	174
AER22TS-3036	Till	0.2	0.3	1.3	0.10	0.2	0.6	57.80	12.69	4.43	2.24	5.25	0.67	2.09	0.57	0.22	0.06	0.011	729	35	110
AER22TS-3037	Rock Pulp	0.1	0.1	35.9	0.02	<0.1	<0.5	71.71	12.19	4.02	1.72	3.31	3.42	1.42	0.38	0.12	0.06	0.014	468	87	398
AER22TS-3038	Till	0.2	0.2	1.0	0.08	0.2	<0.5	60.56	12.07	3.95	2.32	5.23	0.78	2.06	0.57	0.21	0.07	0.010	861	33	149
AER22TS-3039	Till	0.1	0.1	1.4	0.07	0.2	0.6	56.12	8.90	3.27	1.68	10.31	0.70	1.63	0.55	0.18	0.05	0.008	631	27	136
AER22TS-3040	Till	<0.1	0.2	1.0	0.06	0.2	<0.5	53.55	7.25	2.34	3.00	13.55	0.43	1.50	0.41	0.16	0.05	0.007	1059	22	157
AER22TS-3041	Pulp DUP	0.2	0.2	2.7	0.09	0.2	<0.5	67.33	12.94	4.45	1.38	1.41	1.47	2.16	0.66	0.17	0.07	0.010	1178	38	195
AER22TS-3042	Till	<0.1	0.2	1.1	0.04	0.2	<0.5	52.27	8.18	2.65	3.22	12.96	0.41	1.63	0.41	0.17	0.04	0.005	831	<20	120



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Method Analyte Unit MDL		LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-3013	Till	315	22	10	8	13.0	99.89	2.81	0.92	<0.02	6.85	0.84	15.65	10.14	58.9	104	29.1	10.4	450	1.93	21.2
AER22TS-3014	Till	410	21	15	6	13.4	99.92	2.88	0.53	<0.02	8.56	0.71	11.77	8.86	49.7	117	18.0	6.9	419	1.36	8.3
AER22TS-3015	Till	415	22	8	6	13.9	99.93	3.15	0.88	<0.02	8.26	0.73	12.21	9.16	51.2	126	18.9	7.6	437	1.39	8.4
AER22TS-3016	Till	447	22	12	5	18.3	99.91	4.19	0.79	<0.02	12.41	0.15	9.11	7.85	41.2	163	15.1	3.9	247	1.46	3.0
AER22TS-3017	Till	283	20	11	7	19.5	99.91	4.29	0.90	<0.02	12.36	0.40	16.83	11.39	51.3	216	19.2	6.6	343	1.39	5.4
AER22TS-3018	Till	345	24	12	8	17.7	99.90	3.90	1.18	<0.02	9.90	0.76	18.99	10.56	62.3	188	20.1	6.5	246	1.60	7.1
AER22TS-3019	Till	315	21	9	7	15.5	99.93	3.47	1.02	<0.02	8.93	0.58	16.47	9.81	53.0	148	24.4	8.4	327	1.62	8.0
AER22TS-3020	Till	415	28	17	14	8.0	99.93	0.97	0.93	0.03	<0.08	1.96	25.76	26.70	55.7	154	15.0	4.2	52	3.28	16.9
AER22TS-3021	Pulp DUP	287	21	11	8	18.2	99.92	4.38	1.40	<0.02	10.85	0.70	19.70	11.09	59.9	223	24.3	11.1	460	1.73	7.2
AER22TS-3022	Till	257	26	13	13	9.4	99.90	1.71	1.29	0.02	1.48	1.11	30.78	15.75	94.1	266	37.6	15.6	546	2.65	11.3
AER22TS-3023	Till	254	21	7	11	21.0	99.92	4.81	1.04	<0.02	13.79	0.41	21.26	10.70	54.9	219	23.9	10.6	2164	1.83	5.7
AER22TS-3024	Till	287	24	14	10	11.8	99.90	2.20	0.94	<0.02	4.55	0.67	24.36	13.61	67.2	260	27.4	9.9	389	1.96	8.4
AER22TS-3025	Till	247	28	18	14	7.7	99.89	1.26	0.92	0.03	1.14	0.76	22.49	19.53	118.8	176	37.2	14.4	142	2.26	13.4
AER22TS-3026	Till	309	25	12	7	14.3	99.92	3.05	1.44	0.02	5.82	0.62	16.09	14.14	71.1	87	19.9	8.2	368	1.66	14.2
AER22TS-3027	Till	220	21	11	10	12.1	99.90	2.61	0.98	<0.02	5.93	1.01	30.52	12.05	81.5	169	28.1	11.9	308	2.16	8.6
AER22TS-3028	Till	196	24	15	11	16.0	99.90	4.33	2.96	0.03	4.92	8.50	31.62	18.47	97.0	362	28.3	7.3	80	3.87	25.4
AER22TS-3029	Till	237	22	13	8	16.1	99.91	3.46	0.77	<0.02	9.82	0.52	19.73	11.25	65.5	164	24.5	8.6	408	1.77	5.6
AER22TS-3030	Till	253	21	13	10	10.9	99.91	1.80	0.77	<0.02	3.72	0.85	27.76	14.33	86.9	180	29.5	14.5	428	2.42	9.0
AER22TS-3031	Till	217	23	15	7	13.7	99.91	2.97	0.49	<0.02	9.04	0.37	16.03	9.84	59.6	149	18.9	6.6	329	1.43	5.4
AER22TS-3032	Till	98	17	11	9	23.2	99.88	5.30	1.12	<0.02	15.29	0.53	22.19	11.32	60.1	202	26.1	8.4	335	2.03	5.5
AER22TS-3033	Till	269	22	11	9	17.0	99.92	4.14	2.04	0.02	7.60	0.72	20.58	11.92	67.1	191	26.9	10.6	498	1.89	7.0
AER22TS-3034	Till	268	23	13	9	17.9	99.92	3.98	1.48	<0.02	9.09	0.74	21.16	11.95	68.0	218	28.2	11.6	465	1.98	8.1
AER22TS-3035	Till	364	31	22	16	9.9	99.91	0.83	0.79	<0.02	0.10	0.87	30.65	12.34	83.7	54	30.9	8.1	245	2.98	9.7
AER22TS-3036	Till	224	24	15	11	13.7	99.91	2.94	1.81	<0.02	4.07	1.67	28.79	13.67	90.0	300	32.1	11.1	452	2.34	10.2
AER22TS-3037	Rock Pulp	168	12	16	9	1.4	99.87	0.07	0.07	<0.02	<0.08	11.58	147.18	252.83	205.0	103	74.4	46.5	260	1.53	9.2
AER22TS-3038	Till	231	23	15	11	11.9	99.91	2.23	1.11	<0.02	4.04	1.23	28.94	13.62	90.8	237	34.6	14.2	465	2.04	7.3
AER22TS-3039	Till	431	24	16	8	16.4	99.93	4.20	1.99	0.03	7.99	0.54	18.89	9.85	50.5	139	25.3	8.1	327	1.69	7.1
AER22TS-3040	Till	321	20	7	6	17.5	99.92	4.04	0.67	<0.02	12.33	0.56	12.31	8.61	56.1	205	18.6	5.8	322	1.24	6.1
AER22TS-3041	Pulp DUP	303	28	10	11	7.7	99.94	0.76	0.73	0.03	<0.08	0.78	26.82	13.12	66.6	177	36.0	10.1	485	2.39	9.3
AER22TS-3042	Till	251	22	9	7	17.8	99.91	3.99	0.71	<0.02	11.99	0.54	13.09	8.84	54.6	188	16.3	5.0	286	1.40	4.0



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-3013	Till	1.3	1.3	4.3	143.0	0.40	0.60	0.12	37	5.49	0.072	16.8	26.7	1.35	477.7	0.019	5	1.47	0.014	0.14	<0.1
AER22TS-3014	Till	1.2	1.7	2.8	127.5	0.47	0.43	0.09	22	6.64	0.079	15.0	13.5	1.05	400.4	0.010	5	0.93	0.009	0.14	<0.1
AER22TS-3015	Till	1.2	1.8	2.7	128.6	0.44	0.39	0.10	23	7.00	0.083	15.2	13.8	1.03	437.4	0.010	5	0.98	0.010	0.15	<0.1
AER22TS-3016	Till	0.7	1.2	2.9	113.4	0.35	0.21	0.09	22	8.65	0.079	14.2	11.8	2.04	214.2	0.002	3	1.15	0.006	0.10	<0.1
AER22TS-3017	Till	0.8	1.2	3.6	68.6	0.61	0.32	0.14	27	10.29	0.071	15.4	15.6	1.27	339.0	0.003	4	1.27	0.005	0.14	<0.1
AER22TS-3018	Till	0.9	1.6	3.6	69.0	0.70	0.31	0.18	31	7.31	0.077	17.0	16.3	1.77	267.5	0.003	4	1.41	0.006	0.22	<0.1
AER22TS-3019	Till	0.8	1.5	3.4	160.0	0.49	0.45	0.10	27	7.68	0.069	16.6	19.0	1.03	488.3	0.015	5	1.13	0.007	0.15	<0.1
AER22TS-3020	Till	1.1	1.1	6.1	46.1	0.04	0.37	0.33	35	0.19	0.078	6.1	27.3	0.28	252.5	0.002	2	1.39	0.016	0.14	<0.1
AER22TS-3021	Pulp DUP	0.8	2.6	3.8	104.9	0.67	0.37	0.14	31	8.78	0.073	14.2	19.3	1.19	1104.6	0.003	3	1.38	0.008	0.15	<0.1
AER22TS-3022	Till	0.7	1.8	4.3	22.4	0.36	0.38	0.23	43	1.23	0.071	10.0	24.8	0.79	341.2	0.002	4	1.77	0.008	0.20	<0.1
AER22TS-3023	Till	0.6	1.6	3.3	119.3	0.73	0.29	0.12	38	11.69	0.069	12.9	23.2	0.91	465.0	0.002	2	1.48	0.006	0.14	<0.1
AER22TS-3024	Till	0.8	1.3	5.1	38.4	0.36	0.43	0.20	32	3.24	0.087	16.9	19.0	1.26	204.7	0.003	3	1.48	0.005	0.18	<0.1
AER22TS-3025	Till	0.8	0.6	5.1	27.2	0.10	0.32	0.31	37	1.09	0.079	4.1	20.9	0.61	553.1	<0.001	3	1.14	0.006	0.16	<0.1
AER22TS-3026	Till	1.0	1.3	4.6	50.4	0.50	0.41	0.18	29	4.59	0.076	19.7	14.5	1.17	460.5	0.004	3	1.50	0.006	0.20	<0.1
AER22TS-3027	Till	0.9	0.9	3.7	65.1	0.44	0.28	0.18	30	4.19	0.059	9.4	19.9	1.30	533.0	0.002	3	1.35	0.008	0.18	<0.1
AER22TS-3028	Till	1.9	1.9	4.1	137.0	0.25	0.68	0.23	30	4.79	0.094	5.1	17.3	0.30	840.5	<0.001	7	0.87	0.036	0.21	<0.1
AER22TS-3029	Till	1.0	0.8	5.3	133.8	0.55	0.34	0.16	30	7.43	0.073	16.7	19.2	1.65	425.1	0.005	4	1.34	0.009	0.16	<0.1
AER22TS-3030	Till	1.1	1.4	5.3	62.8	0.38	0.39	0.22	32	2.85	0.060	13.6	21.8	1.00	457.4	0.004	3	1.45	0.007	0.16	<0.1
AER22TS-3031	Till	0.8	1.3	5.5	75.8	0.53	0.39	0.15	24	6.63	0.081	17.6	14.5	1.53	403.2	0.006	2	1.04	0.007	0.12	<0.1
AER22TS-3032	Till	0.7	0.9	4.8	155.0	0.43	0.20	0.20	36	11.31	0.061	12.6	23.5	2.29	527.5	0.002	4	1.72	0.022	0.21	<0.1
AER22TS-3033	Till	0.7	2.0	3.7	73.8	0.62	0.39	0.15	34	6.44	0.075	14.4	21.4	1.12	614.0	0.004	3	1.53	0.007	0.18	<0.1
AER22TS-3034	Till	0.8	1.6	4.3	83.4	0.69	0.34	0.16	35	7.57	0.076	15.4	22.3	1.19	993.7	0.004	2	1.60	0.007	0.17	<0.1
AER22TS-3035	Till	0.9	2.8	7.3	36.8	0.10	0.37	0.23	41	0.55	0.061	17.7	33.1	0.53	297.7	0.002	1	2.40	0.005	0.20	<0.1
AER22TS-3036	Till	0.9	1.7	4.7	41.0	0.49	0.60	0.21	37	3.41	0.082	13.9	22.8	0.96	264.0	0.003	3	1.50	0.007	0.17	<0.1
AER22TS-3037	Rock Pulp	0.4	34.9	2.9	31.6	0.47	0.19	0.13	23	0.55	0.050	23.4	30.0	0.45	58.0	0.066	1	0.77	0.086	0.11	<0.1
AER22TS-3038	Till	1.0	2.1	5.2	59.2	0.66	0.56	0.19	33	3.22	0.082	14.1	22.7	1.02	374.7	0.005	3	1.39	0.008	0.15	<0.1
AER22TS-3039	Till	0.8	1.6	3.1	66.0	0.34	0.32	0.14	28	7.24	0.074	15.9	16.9	0.75	237.5	0.006	7	1.08	0.010	0.14	<0.1
AER22TS-3040	Till	0.7	1.0	3.5	121.5	0.49	0.37	0.10	20	9.54	0.064	12.6	12.4	1.50	723.5	0.003	3	0.90	0.008	0.10	<0.1
AER22TS-3041	Pulp DUP	0.9	2.5	6.1	43.7	0.10	0.63	0.19	36	0.57	0.066	21.0	27.5	0.52	494.5	0.016	2	1.56	0.009	0.15	<0.1
AER22TS-3042	Till	0.7	1.3	3.7	87.3	0.50	0.33	0.11	21	9.29	0.072	16.6	13.2	1.63	515.6	0.003	3	1.06	0.009	0.14	<0.1



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
AER22TS-3013	Till	3.9	0.22	0.03	52	0.4	<0.02	4.6	1.13	<0.1	0.12	0.38	10.9	0.7	<0.05	5.8	10.99	33.4	0.03	1	0.5
AER22TS-3014	Till	2.3	0.21	0.05	60	0.3	0.03	3.0	0.95	<0.1	0.08	0.31	9.9	0.4	<0.05	2.7	9.68	29.4	<0.02	<1	0.4
AER22TS-3015	Till	2.4	0.20	0.06	58	0.4	<0.02	3.2	0.93	<0.1	0.08	0.35	10.5	0.4	<0.05	2.8	10.28	29.9	0.02	<1	0.4
AER22TS-3016	Till	2.3	0.15	0.02	14	0.3	0.02	3.7	1.09	<0.1	0.09	0.12	9.2	0.8	<0.05	2.7	9.92	27.1	<0.02	<1	0.4
AER22TS-3017	Till	3.4	0.21	0.02	63	0.3	0.03	3.7	1.38	<0.1	0.08	0.20	12.4	1.0	<0.05	4.1	11.46	30.1	0.03	<1	0.8
AER22TS-3018	Till	3.8	0.21	0.02	31	0.3	0.03	4.3	1.25	<0.1	0.10	0.15	14.9	0.5	<0.05	3.0	12.24	33.0	0.03	<1	0.6
AER22TS-3019	Till	3.2	0.21	0.03	79	0.3	0.03	3.5	1.07	<0.1	0.07	0.39	10.7	0.4	<0.05	3.8	10.40	32.9	0.03	1	0.4
AER22TS-3020	Till	6.1	0.24	0.14	74	0.8	0.06	4.4	1.48	<0.1	0.02	0.10	12.6	0.7	<0.05	1.6	11.31	15.3	0.05	<1	1.0
AER22TS-3021	Pulp DUP	4.6	0.19	0.04	91	0.4	0.04	4.2	1.08	<0.1	0.10	0.17	11.0	0.5	<0.05	4.2	12.44	26.9	0.04	<1	0.6
AER22TS-3022	Till	6.1	0.19	0.02	95	0.4	0.06	5.2	1.84	<0.1	0.07	0.08	16.9	0.7	<0.05	3.1	13.02	23.1	0.04	<1	1.1
AER22TS-3023	Till	7.6	0.16	0.02	72	0.4	0.02	4.5	1.19	<0.1	0.07	0.11	10.4	0.6	<0.05	2.5	13.14	26.5	0.05	<1	0.6
AER22TS-3024	Till	4.6	0.24	<0.02	83	0.3	0.04	4.7	1.60	<0.1	0.12	0.12	15.3	0.7	<0.05	4.6	13.28	33.8	0.03	<1	0.8
AER22TS-3025	Till	4.8	0.13	0.02	66	0.5	0.09	3.4	2.62	<0.1	0.05	<0.02	17.6	0.6	<0.05	3.1	12.73	10.5	0.05	1	0.9
AER22TS-3026	Till	3.6	0.28	0.02	35	0.4	0.02	4.9	1.19	<0.1	0.16	0.21	16.4	0.6	<0.05	6.2	14.04	38.5	0.03	<1	0.6
AER22TS-3027	Till	5.0	0.13	<0.02	65	0.3	0.04	3.9	1.24	<0.1	0.08	0.07	12.0	0.5	<0.05	2.8	8.78	20.9	0.02	2	0.6
AER22TS-3028	Till	4.4	0.80	0.33	96	1.8	0.08	2.7	1.80	<0.1	0.08	0.09	15.8	0.4	<0.05	3.2	10.81	11.8	0.04	7	0.4
AER22TS-3029	Till	4.4	0.19	0.02	53	0.3	0.03	4.3	1.12	<0.1	0.13	0.14	12.2	0.5	<0.05	5.5	11.54	33.4	0.03	1	0.9
AER22TS-3030	Till	4.9	0.17	<0.02	70	0.7	0.03	4.6	1.23	<0.1	0.14	0.07	12.3	0.9	<0.05	4.8	9.66	29.6	0.04	1	0.6
AER22TS-3031	Till	3.4	0.18	<0.02	58	0.2	0.03	3.6	1.39	<0.1	0.15	0.10	11.5	0.4	<0.05	5.4	11.55	35.7	0.02	<1	0.6
AER22TS-3032	Till	4.9	0.17	0.02	63	0.3	0.04	5.1	1.19	<0.1	0.15	0.12	14.0	0.7	<0.05	6.0	10.38	24.1	0.03	<1	0.8
AER22TS-3033	Till	4.6	0.18	0.03	74	0.5	0.03	4.6	0.91	<0.1	0.12	0.19	11.3	0.7	<0.05	4.1	12.41	27.5	0.03	<1	0.6
AER22TS-3034	Till	5.1	0.20	0.04	90	0.4	0.03	4.7	1.15	<0.1	0.11	0.19	12.1	0.6	<0.05	4.8	12.78	29.8	0.03	<1	0.5
AER22TS-3035	Till	7.6	0.17	<0.02	59	0.5	0.06	6.8	1.12	<0.1	0.06	0.12	14.5	0.8	<0.05	3.1	19.26	36.6	0.05	<1	1.0
AER22TS-3036	Till	5.3	0.22	0.02	91	0.8	0.03	4.7	1.29	<0.1	0.13	0.18	15.3	0.6	<0.05	5.1	13.34	30.0	0.03	<1	0.9
AER22TS-3037	Rock Pulp	2.8	0.07	0.04	15	0.2	<0.02	2.5	1.09	<0.1	0.16	0.48	6.5	2.1	<0.05	5.5	5.21	39.6	0.04	<1	0.2
AER22TS-3038	Till	4.9	0.21	<0.02	80	0.5	0.04	4.1	1.17	<0.1	0.14	0.12	13.1	0.6	<0.05	6.0	12.81	30.5	0.03	<1	0.7
AER22TS-3039	Till	3.0	0.20	0.04	79	0.8	0.03	3.2	0.87	<0.1	0.09	0.35	13.2	0.4	<0.05	3.9	11.85	31.8	0.02	<1	0.6
AER22TS-3040	Till	2.8	0.18	0.03	61	0.5	0.02	2.7	0.66	<0.1	0.08	0.12	8.0	0.4	<0.05	4.0	10.19	25.1	<0.02	<1	0.5
AER22TS-3041	Pulp DUP	5.0	0.25	<0.02	95	0.4	0.04	5.0	1.37	<0.1	0.17	0.25	14.3	0.6	<0.05	8.4	15.83	40.4	0.03	<1	0.7
AER22TS-3042	Till	3.2	0.18	0.02	37	0.5	<0.02	3.2	0.85	<0.1	0.10	0.12	11.0	0.4	<0.05	3.7	13.44	30.4	0.02	<1	0.6



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		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-3013	Till	16.5	4.32	16.50	3.45	0.77	3.21	0.41	2.16	0.35	0.98	0.12	0.82	0.10	<10	<2
AER22TS-3014	Till	9.8	3.87	15.31	3.06	0.62	2.74	0.36	1.94	0.35	0.89	0.11	0.78	0.08	<10	<2
AER22TS-3015	Till	10.1	3.87	15.56	3.26	0.64	2.79	0.37	1.95	0.34	0.86	0.12	0.72	0.10	<10	<2
AER22TS-3016	Till	10.8	3.82	14.23	3.08	0.66	2.75	0.35	1.92	0.31	0.82	0.11	0.61	0.07	<10	<2
AER22TS-3017	Till	9.2	4.08	16.39	3.20	0.66	3.06	0.39	2.16	0.37	1.00	0.12	0.80	0.11	<10	<2
AER22TS-3018	Till	11.9	4.59	18.06	3.76	0.81	3.20	0.43	2.25	0.42	1.02	0.13	0.82	0.10	<10	<2
AER22TS-3019	Till	12.0	4.26	16.01	3.29	0.66	3.21	0.38	2.10	0.39	1.05	0.13	0.83	0.12	<10	<2
AER22TS-3020	Till	15.7	2.35	10.01	3.32	0.82	3.49	0.49	2.84	0.44	0.99	0.12	0.72	0.08	<10	<2
AER22TS-3021	Pulp DUP	11.1	3.95	16.41	3.63	0.80	3.44	0.46	2.42	0.37	1.07	0.13	0.77	0.11	<10	<2
AER22TS-3022	Till	17.7	3.34	13.85	3.65	0.89	3.89	0.51	2.79	0.46	1.16	0.14	0.76	0.11	<10	<2
AER22TS-3023	Till	11.7	4.01	16.45	3.86	0.91	3.42	0.50	2.58	0.42	1.13	0.14	0.82	0.10	<10	<2
AER22TS-3024	Till	12.2	4.80	19.09	4.12	0.86	4.01	0.49	2.61	0.46	1.18	0.16	0.88	0.12	<10	<2
AER22TS-3025	Till	23.1	1.84	8.86	3.12	0.72	3.93	0.54	2.85	0.47	1.17	0.13	0.72	0.09	<10	<2
AER22TS-3026	Till	12.4	5.31	20.47	4.34	0.85	3.69	0.52	2.78	0.49	1.25	0.16	0.98	0.13	<10	<2
AER22TS-3027	Till	15.6	3.02	13.34	3.09	0.69	3.08	0.39	1.99	0.32	0.82	0.10	0.56	0.08	<10	<2
AER22TS-3028	Till	12.9	2.62	13.20	4.14	1.01	4.08	0.53	2.61	0.41	1.02	0.11	0.66	0.08	<10	2
AER22TS-3029	Till	14.9	4.59	17.25	3.69	0.75	3.49	0.46	2.31	0.42	1.03	0.13	0.82	0.10	<10	<2
AER22TS-3030	Till	13.7	4.01	15.99	3.59	0.76	3.14	0.42	2.09	0.35	0.89	0.11	0.70	0.09	<10	<2
AER22TS-3031	Till	11.0	5.01	19.16	3.87	0.79	3.15	0.46	2.37	0.40	1.01	0.13	0.82	0.10	<10	<2
AER22TS-3032	Till	19.4	3.33	13.16	3.03	0.65	2.91	0.38	2.07	0.38	0.91	0.11	0.68	0.09	<10	<2
AER22TS-3033	Till	12.5	4.20	16.63	3.72	0.83	3.57	0.48	2.44	0.44	1.05	0.14	0.83	0.11	<10	<2
AER22TS-3034	Till	13.4	4.41	17.45	3.99	0.88	3.66	0.47	2.52	0.43	1.07	0.13	0.86	0.10	<10	<2
AER22TS-3035	Till	17.8	5.86	25.12	5.99	1.37	5.78	0.74	3.88	0.62	1.50	0.17	0.92	0.11	<10	<2
AER22TS-3036	Till	12.0	3.82	16.65	3.61	0.78	3.36	0.43	2.42	0.41	1.07	0.13	0.74	0.10	<10	<2
AER22TS-3037	Rock Pulp	7.6	4.51	16.44	2.42	0.52	1.62	0.18	1.02	0.17	0.50	0.07	0.42	0.05	43	24
AER22TS-3038	Till	11.4	3.73	16.03	3.47	0.72	3.23	0.42	2.37	0.40	1.04	0.13	0.76	0.10	<10	<2
AER22TS-3039	Till	10.2	3.90	16.21	3.29	0.65	3.00	0.39	2.22	0.39	1.08	0.14	0.84	0.12	<10	<2
AER22TS-3040	Till	8.2	3.19	13.37	2.77	0.54	2.52	0.32	1.81	0.31	0.83	0.10	0.59	0.08	<10	<2
AER22TS-3041	Pulp DUP	13.4	5.22	21.14	4.38	0.88	3.95	0.52	2.97	0.52	1.45	0.18	1.16	0.16	<10	<2
AER22TS-3042	Till	8.7	4.07	17.23	3.46	0.70	3.17	0.41	2.27	0.39	1.06	0.13	0.74	0.10	<10	<2



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	Method Analyte Unit MDL	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-3043	Till	2.31	1027	4	15.2	5.7	18.2	5.7	12.5	99.8	2	154.5	0.8	10.6	4.0	120	1.1	235.8	26.7	32.3	63.5
AER22TS-3044	Till	2.91	731	2	15.2	4.7	12.4	7.2	10.4	70.6	1	134.9	0.6	8.4	3.4	126	1.1	291.6	23.5	26.8	51.7
AER22TS-3045	Till	2.69	655	<1	7.7	4.1	9.7	6.0	10.5	66.3	<1	189.8	0.7	7.6	3.0	107	0.8	248.1	25.7	29.3	50.6
AER22TS-3046	Till	2.38	504	<1	9.6	3.4	11.1	6.3	9.5	63.9	1	138.7	0.5	7.3	2.6	107	1.0	266.1	20.3	25.3	49.9
AER22TS-3047	Till	2.35	943	<1	11.2	4.0	16.8	5.4	11.2	72.8	2	190.8	0.9	10.3	2.7	115	1.4	224.6	30.1	36.1	62.0
AER22TS-3048	Till	1.86	841	<1	11.8	4.3	15.1	7.1	12.2	73.7	2	164.2	0.9	10.6	3.1	107	1.4	296.3	30.4	37.1	69.1
AER22TS-3049	Till	2.42	820	<1	14.6	3.5	13.0	8.1	11.0	65.1	1	187.1	1.0	9.1	2.6	95	1.2	324.0	25.3	31.9	63.8
AER22TS-3050	Till	2.35	1055	2	11.9	5.5	17.9	3.6	11.0	95.9	2	223.6	0.7	8.7	2.1	122	1.5	126.7	22.1	29.3	52.4
AER22TS-3051	Till	2.70	1053	2	18.7	1.9	16.2	5.2	8.4	43.1	<1	251.5	0.5	8.8	2.8	112	1.1	198.2	14.6	26.8	51.0
AER22TS-3052	Till	2.54	813	<1	7.9	2.4	9.0	11.8	11.0	55.4	1	191.1	0.9	10.1	2.9	72	1.4	489.9	27.5	31.9	64.4
AER22TS-3053	Till	2.35	1065	<1	10.9	2.9	12.4	5.5	9.3	63.5	1	195.4	0.5	8.7	3.1	82	1.6	231.2	29.6	33.4	59.8
AER22TS-3054	Till	2.13	1198	3	12.1	4.0	14.5	7.5	11.7	74.4	2	204.5	0.8	10.5	2.8	101	1.6	306.2	30.0	35.6	65.7
AER22TS-3055	Till	2.47	1174	2	10.9	4.0	14.4	7.1	11.6	73.0	1	203.3	0.8	10.7	2.9	100	1.1	284.5	28.9	37.2	69.8
AER22TS-3056	Rock Pulp	0.07	480	2	54.1	2.1	13.1	4.0	17.4	38.4	6	418.6	0.3	4.0	0.8	60	0.5	159.5	11.6	32.0	57.7
AER22TS-3057	Till	2.33	972	<1	11.2	3.3	13.5	7.3	11.0	76.1	2	199.9	0.9	8.6	2.8	92	1.3	280.8	22.7	30.4	59.9
AER22TS-3058	Till	2.13	1025	<1	13.4	3.6	14.3	5.6	10.1	68.6	1	213.9	0.7	9.2	2.6	102	1.1	227.4	21.9	30.7	57.5
AER22TS-3059	Till	2.06	981	<1	10.9	4.0	15.9	5.4	9.8	71.1	1	186.1	0.7	8.6	3.0	132	1.3	220.2	28.9	31.6	54.5
AER22TS-3060	Till	2.29	977	<1	10.0	7.0	15.2	7.1	13.6	104.0	2	100.8	0.9	10.3	4.2	185	1.4	277.4	29.4	35.5	62.4
AER22TS-3061	Pulp DUP		726	2	9.1	3.4	12.9	6.2	10.3	65.1	2	179.3	0.6	8.6	2.9	97	1.3	252.6	23.2	28.0	52.3
AER22TS-3062	Till	1.96	706	2	7.5	4.5	14.1	8.3	11.4	85.8	1	97.1	0.8	8.4	2.7	113	1.3	310.6	16.1	28.7	49.6
AER22TS-3063	Till	1.98	551	7	8.2	4.0	12.7	3.6	9.0	75.1	1	192.6	0.6	8.3	2.3	104	0.8	136.6	17.8	26.9	49.6
AER22TS-3064	Till	2.47	637	2	11.8	5.0	14.1	7.7	12.7	78.1	2	138.6	0.8	8.7	3.6	129	1.3	312.2	26.3	32.0	58.4
AER22TS-3065	Till	2.22	941	2	12.5	6.8	17.7	5.0	10.5	88.2	2	199.2	0.8	10.5	2.8	119	1.3	188.2	27.4	36.5	68.6
AER22TS-3066	Till	2.14	608	<1	9.8	4.0	12.8	5.2	10.9	72.4	1	141.8	0.9	8.6	2.8	103	1.3	209.0	22.1	28.7	53.3
AER22TS-3067	Till	2.21	602	4	11.6	4.2	13.8	5.7	10.8	74.4	2	143.0	1.4	9.4	2.8	116	2.0	214.4	23.0	28.7	55.4
AER22TS-3068	Till	2.11	989	1	18.6	5.1	18.6	4.9	10.9	92.4	2	132.6	0.9	9.7	3.2	145	1.3	195.6	32.1	32.1	61.1
AER22TS-3069	Till	2.39	899	3	17.5	3.5	17.3	5.7	9.9	69.4	1	189.4	0.7	10.4	2.3	125	1.0	215.7	28.0	36.1	69.2
AER22TS-3070	Rock Pulp	0.07	458	1	52.8	1.9	14.3	4.1	16.4	37.0	7	403.6	0.5	4.0	0.7	58	<0.5	167.9	11.6	31.6	56.4
AER22TS-3071	Till	3.04	600	<1	9.3	2.8	10.8	6.0	8.2	57.0	1	216.5	0.6	7.1	2.5	100	0.9	248.9	20.6	23.7	44.5
AER22TS-3072	Till	1.84	553	<1	9.8	4.5	12.6	5.7	11.3	76.8	3	126.4	0.8	8.8	3.1	122	1.1	221.1	24.6	29.7	56.2



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	Method Analyte Unit MDL	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-3043	Till	7.30	27.7	5.58	1.17	5.22	0.78	4.85	0.93	2.91	0.42	2.73	0.41	0.7	36.1	19.0	82	31.3	5.4	0.4	0.2
AER22TS-3044	Till	6.18	23.7	4.57	0.99	4.27	0.65	3.97	0.86	2.49	0.36	2.49	0.39	1.7	43.4	13.6	99	30.9	13.3	0.7	0.3
AER22TS-3045	Till	6.37	23.6	4.55	1.02	4.48	0.66	3.93	0.78	2.43	0.34	2.24	0.37	0.9	18.4	9.7	75	22.7	6.3	1.0	0.2
AER22TS-3046	Till	5.46	21.2	4.10	0.86	3.61	0.56	3.54	0.72	2.18	0.30	2.15	0.33	1.0	21.7	8.7	70	28.6	7.8	0.2	0.2
AER22TS-3047	Till	8.72	33.7	6.63	1.46	6.11	0.90	5.04	0.95	3.06	0.39	2.72	0.42	0.5	26.3	12.0	73	33.0	10.6	<0.1	0.2
AER22TS-3048	Till	8.36	31.8	6.09	1.27	5.49	0.84	5.00	1.06	3.12	0.43	3.00	0.48	0.7	27.1	12.5	70	36.0	10.6	0.1	0.2
AER22TS-3049	Till	7.17	27.3	5.25	1.07	4.69	0.73	4.31	0.88	2.60	0.40	2.52	0.39	0.7	22.1	11.1	66	31.3	9.7	0.3	0.3
AER22TS-3050	Till	6.56	24.6	4.77	1.07	4.53	0.66	3.89	0.75	2.17	0.31	2.07	0.31	0.5	27.2	10.3	106	45.0	1.3	0.3	0.2
AER22TS-3051	Till	5.89	21.5	4.09	0.92	3.34	0.49	2.75	0.51	1.68	0.24	1.58	0.24	0.2	19.2	8.9	75	46.2	5.8	0.4	0.2
AER22TS-3052	Till	7.44	28.3	5.28	1.05	4.98	0.73	4.39	0.96	2.90	0.42	2.88	0.47	0.7	17.4	10.5	56	19.9	12.9	0.2	0.4
AER22TS-3053	Till	7.15	28.3	5.38	1.15	5.21	0.78	4.74	0.99	2.92	0.41	2.64	0.43	1.1	25.1	13.5	84	36.8	17.8	0.6	0.6
AER22TS-3054	Till	8.24	32.9	6.32	1.35	5.99	0.86	4.83	1.00	3.08	0.42	2.92	0.45	0.7	27.3	12.3	67	39.1	9.4	0.1	0.3
AER22TS-3055	Till	8.34	31.5	6.16	1.29	5.61	0.86	4.66	0.95	2.94	0.42	2.70	0.43	0.7	28.3	12.4	69	39.2	9.7	0.1	0.4
AER22TS-3056	Rock Pulp	6.69	23.8	3.80	0.92	2.81	0.37	2.07	0.38	1.11	0.16	1.09	0.16	12.8	156.1	257.3	211	80.7	9.6	0.5	0.2
AER22TS-3057	Till	6.85	25.7	4.56	1.02	4.40	0.66	3.81	0.81	2.39	0.35	2.32	0.35	0.6	20.5	10.4	73	31.7	7.5	0.2	0.2
AER22TS-3058	Till	6.55	25.8	4.93	1.03	4.30	0.65	3.64	0.80	2.29	0.32	2.25	0.34	1.1	25.1	12.4	77	35.0	10.4	0.3	0.4
AER22TS-3059	Till	7.77	31.0	6.73	1.58	6.32	0.92	5.32	1.05	2.88	0.41	2.53	0.42	0.4	29.7	8.9	78	32.1	6.3	0.2	0.2
AER22TS-3060	Till	7.72	30.6	5.48	1.20	5.35	0.83	4.47	0.98	2.95	0.43	2.89	0.44	2.0	26.5	13.5	107	39.4	14.2	0.3	0.2
AER22TS-3061	Pulp DUP	6.43	25.3	4.77	1.03	4.43	0.65	3.74	0.80	2.38	0.35	2.31	0.37	0.5	20.2	10.4	63	27.6	5.4	0.2	0.2
AER22TS-3062	Till	5.24	18.7	3.01	0.52	2.40	0.39	2.54	0.55	1.59	0.28	1.82	0.29	0.5	15.5	9.5	66	25.0	7.7	<0.1	0.1
AER22TS-3063	Till	5.88	22.0	3.69	0.84	3.58	0.50	2.98	0.64	1.80	0.25	1.73	0.25	0.8	18.8	9.4	62	25.1	5.8	0.3	0.1
AER22TS-3064	Till	7.25	28.1	5.43	1.14	4.95	0.73	4.43	0.95	2.78	0.40	2.81	0.43	1.0	30.2	11.3	88	28.5	7.0	0.7	0.2
AER22TS-3065	Till	8.32	33.0	6.13	1.43	5.69	0.82	4.75	0.91	2.65	0.36	2.35	0.35	0.4	36.3	11.9	92	33.0	4.5	0.2	0.2
AER22TS-3066	Till	6.20	23.8	4.46	0.90	4.12	0.62	3.73	0.77	2.13	0.33	2.09	0.33	0.5	21.3	10.7	71	26.3	5.9	0.4	0.2
AER22TS-3067	Till	6.52	25.3	4.71	0.97	4.63	0.66	3.83	0.79	2.33	0.32	2.16	0.35	0.6	25.0	10.9	65	30.2	6.7	0.3	0.2
AER22TS-3068	Till	7.50	29.3	6.43	1.54	6.26	0.92	5.38	1.11	3.29	0.46	3.04	0.47	0.8	57.7	20.6	106	60.4	5.1	0.3	0.5
AER22TS-3069	Till	8.29	32.3	6.15	1.39	6.11	0.87	4.95	1.03	2.85	0.41	2.65	0.39	0.7	27.1	10.8	77	47.7	15.3	0.1	0.4
AER22TS-3070	Rock Pulp	6.67	24.2	3.73	0.94	2.88	0.37	2.11	0.38	1.17	0.17	1.10	0.17	12.6	153.4	246.6	206	78.9	8.9	0.5	0.2
AER22TS-3071	Till	5.31	21.0	4.02	0.88	3.97	0.60	3.59	0.74	2.10	0.30	1.84	0.33	0.8	18.8	10.4	59	24.4	10.6	0.5	0.2
AER22TS-3072	Till	6.74	25.3	4.79	1.08	4.57	0.66	3.96	0.82	2.54	0.34	2.28	0.33	1.1	22.3	11.2	66	29.1	8.4	0.2	0.2



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-3043	Till	0.2	0.2	1.2	0.11	0.1	<0.5	63.47	15.76	4.90	1.31	1.17	1.37	2.46	0.66	0.11	0.09	0.010	987	34	141
AER22TS-3044	Till	0.2	0.3	1.1	0.07	0.2	<0.5	57.60	11.43	4.28	3.59	6.32	0.98	1.94	0.59	0.18	0.06	0.011	719	34	124
AER22TS-3045	Till	0.1	0.3	0.8	0.08	0.1	0.6	46.40	8.61	2.71	2.53	16.80	0.26	1.67	0.54	0.25	0.06	0.009	653	20	182
AER22TS-3046	Till	0.1	<0.1	1.3	0.03	0.1	<0.5	49.91	9.41	3.52	5.30	10.53	0.50	1.66	0.48	0.14	0.04	0.007	486	26	131
AER22TS-3047	Till	0.2	<0.1	1.8	0.06	0.2	<0.5	64.17	13.87	5.18	1.75	1.63	1.44	2.14	0.65	0.17	0.07	0.010	913	31	174
AER22TS-3048	Till	0.2	0.1	1.6	0.07	0.2	<0.5	68.67	12.57	4.73	1.26	1.15	1.17	2.07	0.65	0.17	0.07	0.010	835	33	158
AER22TS-3049	Till	0.1	0.1	1.2	0.06	0.3	<0.5	62.51	10.86	4.20	1.90	6.06	1.23	1.88	0.59	0.19	0.08	0.009	805	35	177
AER22TS-3050	Till	0.2	0.5	3.9	0.14	0.3	<0.5	59.20	15.30	5.22	2.65	3.08	1.57	2.86	0.71	0.20	0.06	0.013	1078	47	224
AER22TS-3051	Till	0.1	<0.1	1.5	0.03	<0.1	<0.5	52.11	14.84	5.03	2.80	6.37	1.84	1.41	0.53	0.18	0.10	0.014	1044	50	239
AER22TS-3052	Till	0.1	0.1	1.6	0.06	0.2	<0.5	71.98	9.26	3.55	1.55	3.04	1.45	1.85	0.65	0.19	0.05	0.009	779	<20	178
AER22TS-3053	Till	0.2	0.2	1.3	0.09	0.2	0.8	49.50	10.48	4.47	1.79	6.36	0.99	1.67	0.50	0.34	0.28	0.007	1039	33	184
AER22TS-3054	Till	0.2	0.2	1.9	0.09	0.2	<0.5	67.45	12.79	4.35	1.34	1.39	1.47	2.17	0.65	0.16	0.07	0.011	1194	39	194
AER22TS-3055	Till	0.2	0.2	2.0	0.10	0.2	<0.5	67.27	12.85	4.47	1.38	1.39	1.46	2.17	0.65	0.17	0.07	0.010	1166	42	193
AER22TS-3056	Rock Pulp	0.1	0.1	33.3	0.01	<0.1	<0.5	71.75	12.09	4.01	1.72	3.31	3.43	1.45	0.38	0.12	0.07	0.014	474	92	397
AER22TS-3057	Till	0.1	0.2	1.0	0.04	0.2	<0.5	65.78	12.51	4.21	1.32	2.02	1.43	2.07	0.66	0.16	0.09	0.010	940	32	187
AER22TS-3058	Till	0.2	0.1	1.5	0.06	0.2	<0.5	59.44	12.26	4.45	1.94	5.94	1.26	2.04	0.60	0.18	0.07	0.010	1014	37	203
AER22TS-3059	Till	0.1	<0.1	1.4	0.03	0.1	<0.5	63.51	15.19	5.52	1.48	1.15	1.54	1.95	0.73	0.14	0.06	0.013	1005	35	181
AER22TS-3060	Till	0.2	0.2	1.3	0.09	0.2	0.5	62.95	13.03	4.35	2.34	2.46	0.47	2.33	0.65	0.21	0.04	0.013	983	40	99
AER22TS-3061	Pulp DUP	0.1	<0.1	1.4	0.05	0.2	<0.5	60.32	11.62	3.97	2.63	5.37	1.06	1.81	0.56	0.18	0.05	0.010	708	29	168
AER22TS-3062	Till	0.1	0.1	0.6	0.02	0.2	<0.5	69.41	12.58	4.12	1.19	0.62	0.72	2.16	0.63	0.13	0.02	0.011	703	24	91
AER22TS-3063	Till	0.1	<0.1	0.6	0.04	0.1	<0.5	41.40	10.12	3.41	4.53	16.07	0.42	2.03	0.45	0.14	0.05	0.008	547	24	182
AER22TS-3064	Till	0.2	0.2	0.8	0.07	<0.1	<0.5	59.52	11.81	3.80	2.39	6.07	0.62	2.03	0.66	0.21	0.06	0.011	635	30	132
AER22TS-3065	Till	0.2	0.1	2.0	0.09	0.2	<0.5	64.44	15.29	3.90	1.57	1.23	1.63	2.51	0.69	0.08	0.02	0.012	921	31	187
AER22TS-3066	Till	0.1	0.1	1.0	0.06	0.2	<0.5	54.89	10.97	3.54	3.03	8.75	0.57	1.92	0.52	0.17	0.05	0.008	583	27	134
AER22TS-3067	Till	0.2	0.1	1.0	0.06	0.2	<0.5	53.01	11.31	3.99	3.10	8.60	0.58	1.90	0.53	0.19	0.06	0.010	583	32	133
AER22TS-3068	Till	0.3	0.3	6.1	0.17	0.2	<0.5	62.20	14.85	5.94	1.95	0.97	1.08	2.51	0.69	0.20	0.07	0.013	947	58	119
AER22TS-3069	Till	0.1	<0.1	1.1	0.05	0.3	<0.5	61.72	14.65	6.56	2.05	1.41	1.59	2.08	0.61	0.22	0.10	0.013	872	46	177
AER22TS-3070	Rock Pulp	0.1	0.1	32.3	0.01	<0.1	<0.5	71.92	12.11	3.96	1.71	3.31	3.48	1.44	0.38	0.13	0.06	0.014	467	83	400
AER22TS-3071	Till	0.1	0.3	2.0	0.10	0.2	0.6	48.70	9.15	3.70	3.69	12.67	0.88	1.58	0.48	0.19	0.05	0.008	572	24	202
AER22TS-3072	Till	0.2	0.1	1.0	0.07	0.2	0.6	53.00	10.83	3.95	4.38	7.93	0.51	2.02	0.53	0.19	0.05	0.009	533	27	115



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	Method Analyte Unit MDL	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-3043	Till	234	26	11	13	8.4	99.92	0.88	0.88	<0.02	<0.08	0.78	36.76	20.30	83.3	171	30.6	14.5	636	2.56	5.6
AER22TS-3044	Till	295	23	11	11	12.8	99.88	2.81	0.94	<0.02	6.83	1.87	48.51	15.95	109.8	327	33.0	14.0	497	2.52	14.6
AER22TS-3045	Till	248	25	13	9	19.9	99.90	5.09	1.19	<0.02	14.27	0.87	18.83	10.49	75.8	343	22.6	7.2	473	1.53	6.5
AER22TS-3046	Till	265	20	9	8	18.2	99.87	3.89	0.57	<0.02	12.12	1.05	22.27	9.46	70.4	71	28.0	9.0	330	2.09	7.9
AER22TS-3047	Till	234	27	13	13	8.7	99.92	0.63	0.58	0.02	0.10	0.63	26.10	13.06	73.0	98	30.9	10.2	480	2.91	10.7
AER22TS-3048	Till	302	29	12	11	7.3	99.93	0.50	0.47	<0.02	<0.08	0.84	26.36	13.12	68.9	115	33.1	10.1	443	2.49	10.5
AER22TS-3049	Till	328	23	15	10	10.3	99.94	1.55	0.32	<0.02	4.45	0.78	22.49	12.82	68.7	119	31.1	13.1	555	2.35	10.0
AER22TS-3050	Till	131	21	10	15	8.9	99.90	0.85	0.32	0.05	1.73	0.61	28.60	11.26	110.9	523	45.3	11.8	465	2.99	1.5
AER22TS-3051	Till	193	15	11	13	14.5	99.91	1.69	0.72	<0.02	3.47	0.21	20.29	10.06	78.7	66	48.0	17.9	714	2.96	6.5
AER22TS-3052	Till	510	28	17	7	6.2	99.94	0.97	0.34	<0.02	2.26	0.76	17.28	11.62	56.4	126	19.3	6.8	309	2.02	13.4
AER22TS-3053	Till	235	28	12	10	23.3	99.92	8.01	6.85	0.09	3.89	1.10	25.25	14.07	83.8	162	34.4	10.6	2046	2.44	17.8
AER22TS-3054	Till	286	28	12	11	7.9	99.93	0.88	0.84	0.03	<0.08	0.79	28.08	13.23	67.6	190	37.6	10.6	473	2.42	9.6
AER22TS-3055	Till	289	28	16	11	7.9	99.93	0.77	0.72	0.03	<0.08	0.67	24.27	11.24	58.5	157	32.6	9.0	442	2.18	8.6
AER22TS-3056	Rock Pulp	158	12	17	9	1.4	99.88	0.08	0.05	<0.02	0.11	12.14	155.03	274.55	215.0	108	78.6	49.0	275	1.61	9.8
AER22TS-3057	Till	272	22	14	10	9.5	99.94	1.81	1.62	0.05	0.50	0.63	21.31	11.79	75.7	158	31.4	10.1	636	2.40	7.7
AER22TS-3058	Till	240	22	12	11	11.6	99.92	1.72	0.60	0.02	4.03	1.24	26.32	13.76	79.6	137	34.9	11.8	515	2.45	10.9
AER22TS-3059	Till	226	29	11	15	8.5	99.92	0.49	0.47	<0.02	<0.08	0.45	31.27	9.81	82.8	28	33.4	10.3	428	3.13	6.7
AER22TS-3060	Till	310	29	17	13	10.9	99.89	2.06	1.30	0.03	2.68	2.05	27.07	14.71	112.6	256	38.8	9.9	261	2.49	14.4
AER22TS-3061	Pulp DUP	265	23	13	10	12.2	99.92	2.05	0.75	<0.02	4.71	0.51	21.39	11.86	66.5	73	27.9	7.7	320	2.19	5.8
AER22TS-3062	Till	313	15	11	9	8.2	99.94	0.86	0.84	<0.02	<0.08	0.58	15.31	10.13	66.4	103	23.9	6.6	153	2.23	7.3
AER22TS-3063	Till	137	18	15	9	21.1	99.88	4.95	0.70	<0.02	15.54	0.81	19.50	10.59	64.6	102	24.4	8.1	385	1.93	6.2
AER22TS-3064	Till	304	27	12	11	12.6	99.92	2.92	1.39	<0.02	5.54	1.02	30.75	12.71	91.8	197	28.9	11.0	446	2.20	7.5
AER22TS-3065	Till	196	25	13	14	8.4	99.93	0.64	0.61	0.02	<0.08	0.50	35.91	12.95	90.7	137	31.7	12.0	156	2.02	4.5
AER22TS-3066	Till	208	20	15	9	15.4	99.91	2.84	0.62	<0.02	8.06	0.56	22.51	12.03	74.0	132	26.5	9.6	367	1.90	6.5
AER22TS-3067	Till	216	22	13	10	16.5	99.90	3.54	1.34	<0.02	8.01	0.72	26.92	12.55	70.3	143	31.0	10.8	448	2.21	7.3
AER22TS-3068	Till	175	31	9	15	9.3	99.90	0.97	0.93	0.03	<0.08	0.89	61.88	22.61	110.5	268	61.2	17.5	515	3.45	5.5
AER22TS-3069	Till	216	27	10	14	8.7	99.90	0.51	0.47	0.03	<0.08	0.81	28.15	12.17	80.5	88	46.6	15.9	705	3.93	16.2
AER22TS-3070	Rock Pulp	160	11	17	9	1.2	99.87	0.07	0.04	<0.02	0.11	12.25	155.50	274.62	213.2	113	79.7	49.4	281	1.66	9.3
AER22TS-3071	Till	243	20	12	8	18.7	99.91	4.46	1.27	<0.02	11.62	0.78	16.29	9.23	52.9	254	21.4	7.2	332	1.81	10.0
AER22TS-3072	Till	242	23	12	10	16.4	99.88	3.63	1.19	0.02	8.86	1.07	20.43	11.65	66.0	147	27.3	8.1	352	2.26	8.9



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	Method	Analyte	Unit	MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251			
					U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
					ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
					0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-3043	Till	0.6	2.0	3.9	23.7	0.38	0.44	0.24	28	0.48	0.040	20.2	20.7	0.40	459.1	0.002	1	1.84	0.008	0.22	<0.1			
AER22TS-3044	Till	0.7	1.9	3.5	41.3	0.67	0.64	0.20	31	4.23	0.073	7.7	19.2	1.89	191.7	0.001	3	1.22	0.009	0.12	<0.1			
AER22TS-3045	Till	0.7	0.7	3.1	138.0	0.99	0.29	0.14	21	12.24	0.105	6.3	12.7	1.25	317.9	<0.001	3	0.71	0.010	0.11	<0.1			
AER22TS-3046	Till	0.5	1.4	3.7	84.9	0.24	0.39	0.13	32	7.67	0.059	8.0	18.9	2.96	174.1	0.003	3	1.36	0.010	0.14	<0.1			
AER22TS-3047	Till	1.1	1.9	6.5	32.7	0.08	0.46	0.19	46	0.77	0.064	24.2	32.9	0.71	249.0	0.017	3	1.96	0.009	0.16	<0.1			
AER22TS-3048	Till	1.1	1.9	6.6	33.3	0.11	0.51	0.19	37	0.48	0.065	21.5	24.1	0.45	241.2	0.010	5	1.41	0.010	0.15	<0.1			
AER22TS-3049	Till	0.9	36.4	5.9	51.1	0.31	0.48	0.17	35	3.74	0.081	19.0	22.9	0.88	260.4	0.018	5	1.30	0.008	0.14	<0.1			
AER22TS-3050	Till	0.7	4.4	6.0	84.8	0.34	0.40	0.24	49	1.87	0.087	19.1	47.0	1.26	272.1	0.048	2	2.14	0.009	0.21	<0.1			
AER22TS-3051	Till	1.1	16.0	4.7	82.8	0.45	0.25	0.13	57	3.87	0.077	13.8	46.6	1.12	495.1	0.011	1	2.25	0.008	0.08	<0.1			
AER22TS-3052	Till	0.8	1.5	5.6	35.2	0.20	0.67	0.13	28	1.69	0.075	17.4	17.0	0.74	194.4	0.024	3	0.83	0.009	0.09	<0.1			
AER22TS-3053	Till	1.6	1.5	2.0	76.5	0.62	0.76	0.17	33	3.99	0.129	20.2	24.3	0.81	547.0	0.021	5	1.70	0.009	0.22	<0.1			
AER22TS-3054	Till	1.0	2.0	6.1	44.4	0.10	0.55	0.19	37	0.58	0.063	21.6	29.0	0.54	554.7	0.018	3	1.63	0.009	0.16	<0.1			
AER22TS-3055	Till	0.8	1.8	5.2	39.6	0.08	0.50	0.16	33	0.51	0.057	18.6	25.0	0.48	429.7	0.016	2	1.43	0.008	0.14	<0.1			
AER22TS-3056	Rock Pulp	0.4	36.3	3.2	34.7	0.51	0.19	0.15	25	0.59	0.054	24.9	32.6	0.48	60.2	0.073	2	0.81	0.088	0.11	<0.1			
AER22TS-3057	Till	1.0	1.4	4.2	43.1	0.19	0.40	0.17	39	1.03	0.064	18.2	28.8	0.54	333.1	0.025	2	1.80	0.010	0.16	<0.1			
AER22TS-3058	Till	1.0	2.0	5.9	77.7	0.33	0.66	0.18	38	3.78	0.075	17.6	29.3	0.85	405.1	0.017	3	1.62	0.010	0.17	<0.1			
AER22TS-3059	Till	0.7	2.0	4.3	48.6	0.19	0.33	0.16	57	0.47	0.057	19.7	34.1	0.62	430.8	0.006	1	2.62	0.010	0.21	<0.1			
AER22TS-3060	Till	1.2	1.8	4.4	29.9	0.27	0.46	0.21	36	1.66	0.081	6.2	22.7	1.05	416.0	0.001	4	1.27	0.008	0.18	<0.1			
AER22TS-3061	Pulp DUP	0.7	1.9	4.6	54.1	0.22	0.32	0.16	34	3.44	0.072	15.7	23.8	1.30	221.2	0.005	2	1.74	0.007	0.13	<0.1			
AER22TS-3062	Till	0.6	0.8	3.8	18.2	0.08	0.30	0.15	34	0.32	0.047	13.2	23.7	0.42	179.7	0.004	1	1.74	0.005	0.17	<0.1			
AER22TS-3063	Till	0.7	0.5	4.7	141.8	0.32	0.20	0.15	27	11.99	0.061	10.0	20.5	2.46	211.9	0.004	5	1.26	0.010	0.20	<0.1			
AER22TS-3064	Till	0.6	0.9	4.1	64.5	0.69	0.31	0.18	32	4.29	0.086	7.3	19.1	1.14	237.6	0.001	3	1.25	0.010	0.19	<0.1			
AER22TS-3065	Till	0.9	11.5	6.4	18.4	0.16	0.37	0.23	36	0.48	0.028	23.4	30.1	0.57	172.5	0.005	1	1.66	0.009	0.13	<0.1			
AER22TS-3066	Till	0.8	1.2	5.4	76.6	0.36	0.27	0.17	29	6.36	0.074	14.4	19.6	1.50	201.1	0.003	3	1.51	0.008	0.18	<0.1			
AER22TS-3067	Till	0.8	1.3	5.0	74.4	0.33	0.32	0.18	33	6.35	0.075	13.2	23.9	1.55	186.4	0.003	3	1.51	0.008	0.16	<0.1			
AER22TS-3068	Till	1.0	8.0	6.6	24.4	0.34	0.90	0.36	49	0.56	0.078	20.4	42.7	0.83	261.4	0.012	2	2.20	0.009	0.18	<0.1			
AER22TS-3069	Till	1.0	1.2	6.5	29.7	0.11	0.58	0.17	62	0.63	0.092	21.8	50.7	0.95	231.5	0.027	2	2.56	0.010	0.13	<0.1			
AER22TS-3070	Rock Pulp	0.4	38.6	3.2	34.7	0.49	0.20	0.15	25	0.61	0.053	25.2	33.1	0.49	61.4	0.076	2	0.83	0.092	0.12	0.1			
AER22TS-3071	Till	0.5	1.9	2.4	92.4	0.48	0.20	0.13	24	6.99	0.069	8.5	16.0	1.61	145.5	0.004	3	0.97	0.007	0.09	<0.1			
AER22TS-3072	Till	0.6	0.9	4.2	53.4	0.19	0.20	0.16	32	5.22	0.073	8.5	19.8	2.20	128.2	0.002	5	1.32	0.009	0.15	<0.1			



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		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1
AER22TS-3043	Till	6.0	0.19	<0.02	100	0.4	0.03	4.8	1.94	<0.1	0.11	0.04	18.2	1.0	<0.05	3.1	10.81	41.8	0.04	<1
AER22TS-3044	Till	4.8	0.22	<0.02	79	0.6	0.04	3.6	1.72	<0.1	0.06	0.04	9.8	0.5	<0.05	2.4	10.63	17.1	0.03	<1
AER22TS-3045	Till	4.1	0.14	0.02	86	0.7	0.04	2.0	0.90	<0.1	0.03	0.04	8.8	0.3	<0.05	1.3	14.19	13.5	0.03	<1
AER22TS-3046	Till	4.0	0.15	<0.02	32	0.5	0.04	3.7	0.75	<0.1	0.07	0.09	10.7	0.5	<0.05	4.1	9.95	19.3	0.03	<1
AER22TS-3047	Till	6.6	0.26	<0.02	74	0.4	0.04	6.2	1.52	<0.1	0.16	0.20	14.7	0.8	<0.05	8.3	17.22	39.8	0.04	<1
AER22TS-3048	Till	4.8	0.28	<0.02	63	0.4	0.04	4.5	1.56	<0.1	0.16	0.12	15.6	0.9	<0.05	9.1	17.27	41.9	0.03	<1
AER22TS-3049	Till	4.4	0.31	<0.02	57	0.4	0.05	4.2	1.36	<0.1	0.20	0.13	14.5	0.5	<0.05	9.5	12.85	39.9	0.03	<1
AER22TS-3050	Till	7.9	0.30	<0.02	148	0.4	0.03	7.1	2.28	<0.1	0.19	0.16	19.7	0.8	<0.05	7.8	12.29	35.8	0.04	<1
AER22TS-3051	Till	6.9	0.10	<0.02	24	0.3	0.02	7.3	0.74	<0.1	0.19	0.17	6.6	0.8	<0.05	5.6	7.65	27.5	0.03	<1
AER22TS-3052	Till	2.9	0.23	0.02	75	0.3	0.03	2.8	0.97	<0.1	0.16	0.29	8.6	0.4	<0.05	8.7	10.90	35.7	<0.02	<1
AER22TS-3053	Till	3.9	0.25	0.08	82	0.8	0.04	5.0	0.69	<0.1	0.15	0.90	15.7	0.7	<0.05	5.9	19.20	38.0	0.03	<1
AER22TS-3054	Till	5.2	0.25	<0.02	100	0.4	0.04	5.2	1.36	<0.1	0.17	0.28	15.4	0.7	<0.05	8.6	17.03	41.5	0.03	<1
AER22TS-3055	Till	4.5	0.22	<0.02	87	0.4	0.03	4.5	1.18	<0.1	0.16	0.24	13.1	0.5	<0.05	8.0	14.34	35.6	0.03	<1
AER22TS-3056	Rock Pulp	3.1	0.08	0.04	12	0.2	<0.02	2.7	1.16	<0.1	0.18	0.40	6.9	2.3	<0.05	6.1	5.59	42.9	0.03	<1
AER22TS-3057	Till	4.7	0.18	<0.02	40	0.5	0.03	5.5	1.13	<0.1	0.11	0.52	18.9	0.8	<0.05	4.8	10.96	35.5	0.03	<1
AER22TS-3058	Till	5.2	0.27	<0.02	66	0.5	0.04	5.2	1.47	<0.1	0.25	0.20	14.5	0.6	<0.05	11.2	12.02	35.2	0.03	<1
AER22TS-3059	Till	8.2	0.17	<0.02	34	0.4	0.05	7.4	1.30	<0.1	0.08	0.07	15.4	0.8	<0.05	2.7	17.55	36.5	0.04	<1
AER22TS-3060	Till	5.0	0.25	0.07	96	0.7	0.07	3.5	1.57	<0.1	0.04	0.07	15.6	0.8	<0.05	2.4	14.99	13.9	0.04	<1
AER22TS-3061	Pulp DUP	4.9	0.21	<0.02	56	0.5	0.03	4.9	1.16	<0.1	0.12	0.11	12.4	1.2	<0.05	4.4	12.65	30.5	0.03	<1
AER22TS-3062	Till	3.6	0.24	<0.02	20	0.3	0.03	5.1	1.08	<0.1	0.04	0.17	18.1	0.7	<0.05	2.2	4.20	24.5	0.03	<1
AER22TS-3063	Till	4.3	0.14	<0.02	40	0.4	0.03	3.8	1.03	<0.1	0.11	0.09	14.2	0.5	<0.05	4.6	10.21	21.1	0.03	<1
AER22TS-3064	Till	5.1	0.09	0.02	71	0.6	0.04	3.7	1.21	<0.1	0.05	0.04	12.5	0.6	<0.05	2.8	11.82	16.7	0.04	<1
AER22TS-3065	Till	6.7	0.28	<0.02	89	0.4	0.04	5.4	2.84	<0.1	0.15	0.08	16.6	0.7	<0.05	6.5	13.98	48.9	0.04	<1
AER22TS-3066	Till	4.6	0.22	<0.02	62	0.4	0.03	4.5	1.10	<0.1	0.13	0.05	14.9	0.7	<0.05	5.6	12.73	29.5	0.03	<1
AER22TS-3067	Till	5.2	0.23	<0.02	74	0.6	0.04	4.6	1.26	<0.1	0.11	0.12	14.3	0.6	<0.05	5.5	13.17	27.0	0.03	<1
AER22TS-3068	Till	7.7	0.24	<0.02	189	0.5	0.12	6.9	1.71	<0.1	0.14	0.29	17.0	0.8	<0.05	8.1	21.56	41.8	0.05	<1
AER22TS-3069	Till	8.2	0.29	<0.02	60	0.5	0.04	7.6	1.44	<0.1	0.14	0.15	10.8	0.6	<0.05	7.8	16.11	42.0	0.03	<1
AER22TS-3070	Rock Pulp	3.1	0.08	0.05	18	0.2	<0.02	2.8	1.16	<0.1	0.19	0.52	7.0	2.4	<0.05	6.2	5.75	43.7	0.03	<1
AER22TS-3071	Till	3.6	0.20	<0.02	73	0.3	0.05	2.9	0.67	<0.1	0.05	0.14	8.7	0.6	<0.05	1.7	8.94	17.0	0.07	<1
AER22TS-3072	Till	4.8	0.19	<0.02	68	0.5	0.03	3.7	1.00	<0.1	0.06	0.11	11.7	0.7	<0.05	2.5	11.04	17.7	0.02	2



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-3043	Till	16.0	4.98	20.63	4.33	0.83	3.85	0.47	2.41	0.37	0.93	0.11	0.65	0.09	<10	<2
AER22TS-3044	Till	14.2	2.34	10.82	2.85	0.65	3.00	0.39	2.13	0.35	0.87	0.10	0.57	0.07	<10	<2
AER22TS-3045	Till	7.8	2.04	9.95	2.79	0.65	3.17	0.43	2.43	0.41	1.06	0.12	0.69	0.09	<10	<2
AER22TS-3046	Till	13.5	2.20	9.92	2.42	0.55	2.46	0.32	1.84	0.31	0.84	0.10	0.61	0.08	<10	<2
AER22TS-3047	Till	14.7	6.29	25.31	5.33	1.14	4.77	0.61	3.44	0.59	1.57	0.19	1.15	0.15	<10	<2
AER22TS-3048	Till	12.5	5.56	22.08	4.52	0.92	4.17	0.53	3.00	0.54	1.50	0.19	1.20	0.17	<10	<2
AER22TS-3049	Till	12.2	4.61	19.04	3.90	0.74	3.46	0.44	2.57	0.44	1.21	0.15	0.93	0.13	<10	<2
AER22TS-3050	Till	28.2	4.44	18.22	3.72	0.79	3.28	0.42	2.36	0.40	1.07	0.13	0.83	0.11	<10	<2
AER22TS-3051	Till	15.9	3.14	12.86	2.50	0.51	2.16	0.27	1.54	0.26	0.70	0.09	0.56	0.07	<10	<2
AER22TS-3052	Till	8.7	4.24	17.31	3.49	0.64	2.99	0.38	2.14	0.38	1.01	0.13	0.80	0.11	<10	<2
AER22TS-3053	Till	12.0	4.59	19.01	3.95	0.83	3.79	0.52	3.18	0.59	1.69	0.22	1.43	0.21	<10	<2
AER22TS-3054	Till	13.6	5.49	21.70	4.53	0.91	4.12	0.53	3.04	0.54	1.51	0.19	1.19	0.17	<10	<2
AER22TS-3055	Till	12.3	4.40	18.33	3.80	0.76	3.47	0.45	2.56	0.45	1.25	0.16	1.00	0.14	<10	<2
AER22TS-3056	Rock Pulp	8.6	5.17	17.84	2.65	0.57	1.75	0.21	1.13	0.20	0.55	0.07	0.46	0.06	42	26
AER22TS-3057	Till	14.3	4.19	17.07	3.37	0.68	2.97	0.38	2.17	0.38	1.03	0.13	0.81	0.11	<10	<2
AER22TS-3058	Till	15.3	4.17	17.24	3.52	0.70	3.12	0.40	2.30	0.40	1.09	0.13	0.86	0.11	<10	<2
AER22TS-3059	Till	15.0	5.76	24.05	5.51	1.26	5.09	0.63	3.49	0.57	1.49	0.18	1.09	0.14	<10	<2
AER22TS-3060	Till	15.0	2.03	10.20	3.11	0.78	3.88	0.52	2.98	0.49	1.26	0.14	0.79	0.11	<10	<2
AER22TS-3061	Pulp DUP	11.1	3.92	16.45	3.53	0.75	3.32	0.43	2.40	0.41	1.09	0.13	0.82	0.11	<10	<2
AER22TS-3062	Till	10.2	2.47	9.35	1.64	0.28	1.30	0.16	0.89	0.15	0.38	0.05	0.28	0.04	<10	<2
AER22TS-3063	Till	15.6	2.61	11.42	2.64	0.59	2.63	0.35	1.94	0.33	0.87	0.10	0.62	0.08	<10	<2
AER22TS-3064	Till	11.5	2.27	10.69	2.87	0.68	3.15	0.42	2.30	0.39	0.98	0.11	0.66	0.09	<10	<2
AER22TS-3065	Till	11.5	6.46	25.87	5.31	1.14	4.64	0.57	3.00	0.48	1.22	0.14	0.89	0.12	<10	<2
AER22TS-3066	Till	10.3	3.60	15.12	3.31	0.71	3.15	0.41	2.35	0.41	1.06	0.13	0.77	0.10	<10	<2
AER22TS-3067	Till	12.4	3.38	14.66	3.35	0.73	3.26	0.43	2.41	0.42	1.10	0.13	0.80	0.11	<10	<2
AER22TS-3068	Till	21.7	5.27	23.09	5.19	1.24	5.01	0.66	3.93	0.70	1.89	0.23	1.41	0.20	<10	<2
AER22TS-3069	Till	21.3	5.59	22.55	4.71	0.99	4.22	0.54	3.06	0.54	1.46	0.18	1.14	0.15	<10	<2
AER22TS-3070	Rock Pulp	8.8	5.00	18.35	2.74	0.59	1.81	0.21	1.17	0.20	0.56	0.07	0.47	0.06	47	26
AER22TS-3071	Till	10.2	2.29	9.78	2.47	0.51	2.65	0.34	1.76	0.34	0.83	0.09	0.57	0.07	<10	<2
AER22TS-3072	Till	14.3	2.52	11.47	3.09	0.62	3.37	0.44	2.37	0.42	1.04	0.12	0.67	0.12	<10	<2



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	Method Analyte Unit MDL	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-3073	Till	2.07	690	<1	8.3	3.6	13.0	7.3	11.0	64.7	2	157.3	0.8	8.1	2.8	92	0.8	293.0	23.5	28.8	51.4
AER22TS-3074	Till	2.81	722	3	8.0	3.6	13.8	6.5	10.6	64.0	2	180.8	0.6	9.1	2.5	93	0.9	255.5	24.3	30.1	54.9
AER22TS-3075	Till	1.89	953	<1	17.2	4.6	16.5	5.7	12.4	86.0	4	143.5	0.7	10.3	3.1	135	1.3	235.9	31.4	34.7	68.8
AER22TS-3076	Till	2.29	863	2	18.6	4.6	14.3	6.4	11.1	80.2	5	132.0	0.7	8.9	3.0	126	1.0	233.0	24.5	30.2	57.0
AER22TS-3077	Till	1.94	753	4	15.9	5.6	15.4	5.9	11.6	86.3	3	101.9	0.7	9.5	2.9	151	0.9	239.4	29.2	34.7	61.3



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	Method Analyte Unit MDL	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-3073	Till	6.44	24.1	4.52	1.02	4.36	0.66	3.71	0.78	2.40	0.35	2.37	0.34	0.5	18.4	10.3	59	24.4	5.6	0.2	0.2
AER22TS-3074	Till	6.73	24.7	4.79	1.08	4.70	0.69	4.06	0.80	2.27	0.35	2.39	0.34	0.4	21.4	11.4	66	27.3	5.6	0.2	0.2
AER22TS-3075	Till	8.20	31.5	6.10	1.39	6.05	0.86	4.96	1.05	2.83	0.42	2.55	0.41	1.1	31.4	15.9	98	51.3	12.1	0.6	0.3
AER22TS-3076	Till	6.79	24.1	4.84	1.06	4.65	0.71	3.94	0.80	2.48	0.37	2.50	0.38	1.1	31.6	21.6	93	49.4	7.7	0.6	0.2
AER22TS-3077	Till	7.81	30.9	5.69	1.32	5.36	0.80	4.72	1.00	2.76	0.40	2.62	0.40	1.2	34.2	18.5	101	45.3	15.9	0.4	0.2



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-3073	Till	0.1	<0.1	1.0	0.05	0.2	<0.5	63.22	11.35	3.77	2.22	4.36	1.08	1.82	0.58	0.16	0.04	0.010	660	22	148
AER22TS-3074	Till	0.2	<0.1	1.5	0.06	0.2	<0.5	60.11	11.71	3.98	2.67	5.47	1.06	1.84	0.57	0.18	0.04	0.010	699	27	166
AER22TS-3075	Till	0.2	0.2	1.6	0.10	0.3	<0.5	64.60	14.02	5.05	1.65	1.41	1.01	2.33	0.65	0.22	0.11	0.012	883	51	128
AER22TS-3076	Till	0.2	0.2	1.9	0.08	0.3	0.5	60.82	12.24	4.37	2.10	4.54	0.67	2.05	0.60	0.22	0.10	0.011	829	43	119
AER22TS-3077	Till	0.2	0.2	1.7	0.13	0.3	0.7	60.94	13.23	4.93	2.16	3.25	0.40	2.13	0.61	0.21	0.08	0.012	744	49	93



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	Method	LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
	Unit	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
	MDL	5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-3073	Till	293	21	10	9	11.2	99.94	1.92	0.95	<0.02	3.49	0.54	17.95	10.69	63.0	74	24.5	7.6	285	2.04	6.1
AER22TS-3074	Till	252	22	16	10	12.1	99.92	2.03	0.78	<0.02	4.54	0.50	20.13	11.89	63.6	74	25.7	7.3	319	2.13	6.2
AER22TS-3075	Till	234	28	14	12	8.7	99.91	0.76	0.65	0.02	0.30	1.19	27.40	16.50	95.9	169	45.8	14.9	850	2.74	11.9
AER22TS-3076	Till	232	23	13	11	12.1	99.92	2.10	1.10	0.02	3.60	1.14	25.46	19.97	85.4	198	39.9	16.3	724	2.30	7.6
AER22TS-3077	Till	244	28	10	13	11.8	99.90	1.64	0.89	<0.02	2.69	1.28	27.69	18.01	89.1	236	37.4	13.3	579	2.63	15.4



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-3073	Till	0.7	2.7	4.5	39.4	0.20	0.26	0.16	30	2.67	0.061	13.5	20.3	1.02	192.9	0.005	2	1.52	0.007	0.10	<0.1
AER22TS-3074	Till	0.7	2.3	5.2	51.0	0.20	0.25	0.15	31	3.29	0.074	14.8	22.0	1.24	211.0	0.005	<1	1.60	0.007	0.11	<0.1
AER22TS-3075	Till	0.9	2.9	7.0	25.7	0.54	0.47	0.20	38	0.80	0.084	18.3	26.8	0.62	266.5	0.005	<1	1.75	0.006	0.17	<0.1
AER22TS-3076	Till	0.8	2.4	6.0	45.4	0.55	0.40	0.17	35	2.92	0.094	13.9	22.9	0.91	336.2	0.004	2	1.47	0.007	0.17	<0.1
AER22TS-3077	Till	0.9	2.2	6.6	37.0	0.40	0.48	0.20	39	2.16	0.080	14.6	23.5	0.91	278.0	0.002	3	1.54	0.006	0.16	<0.1



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
AER22TS-3073	Till	4.3	0.19	<0.02	58	<0.1	<0.02	4.6	1.00	<0.1	0.07	0.16	10.9	1.2	<0.05	3.4	10.19	26.8	0.04	<1	0.9
AER22TS-3074	Till	4.5	0.21	<0.02	52	0.1	0.03	4.6	1.12	<0.1	0.15	0.11	11.7	1.1	<0.05	5.1	11.66	27.7	0.03	2	0.9
AER22TS-3075	Till	5.7	0.29	<0.02	92	0.1	0.03	5.8	1.46	<0.1	0.12	0.04	13.7	2.6	<0.05	4.8	14.89	39.1	0.05	<1	1.1
AER22TS-3076	Till	5.5	0.30	<0.02	74	0.2	0.04	4.4	1.31	<0.1	0.11	0.09	14.8	3.6	<0.05	5.9	11.70	30.1	0.04	1	0.5
AER22TS-3077	Till	6.2	0.31	<0.02	137	0.3	0.08	4.7	1.31	<0.1	0.10	0.06	14.5	2.3	<0.05	5.7	15.28	30.0	0.03	1	0.9



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-3073	Till	11.6	3.51	14.07	3.00	0.59	2.93	0.36	2.17	0.37	0.90	0.13	0.72	0.09	<10	2
AER22TS-3074	Till	11.2	3.62	15.41	3.38	0.72	3.38	0.42	2.33	0.40	0.97	0.12	0.82	0.11	<10	<2
AER22TS-3075	Till	15.0	4.75	20.82	4.94	0.97	4.55	0.56	3.53	0.53	1.48	0.17	1.18	0.16	<10	3
AER22TS-3076	Till	12.6	3.66	15.98	3.58	0.82	3.54	0.42	2.61	0.43	1.14	0.14	0.84	0.09	<10	<2
AER22TS-3077	Till	12.7	4.07	18.26	4.06	0.95	4.22	0.56	3.18	0.57	1.55	0.20	0.99	0.14	<10	<2



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QUALITY CONTROL REPORT

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	Method	WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-1020	Till	2.07	1164	<1	9.1	8.4	15.9	4.2	11.8	119.9	2	107.2	0.8	9.9	4.7	193	1.4	161.3	24.4	30.5	54.7
AER22TS-1096	Till	2.28	696	<1	7.9	3.1	10.3	7.0	9.9	59.2	2	167.7	0.7	7.8	2.5	82	1.0	285.3	22.5	26.5	50.4
AER22TS-3026	Till	2.46	801	<1	8.3	4.7	11.9	7.8	9.4	70.4	1	105.7	0.6	9.2	3.0	91	1.5	303.9	24.9	33.7	62.1
AER22TS-3064	Till	2.47	637	2	11.8	5.0	14.1	7.7	12.7	78.1	2	138.6	0.8	8.7	3.6	129	1.3	312.2	26.3	32.0	58.4
Pulp Duplicates																					
AER22TS-1002	Till	3.01	407	1	5.6	4.2	8.0	6.6	7.1	54.1	<1	97.3	0.5	6.4	2.4	71	1.3	265.9	20.8	21.9	36.8
REP AER22TS-1002	QC																				
AER22TS-1008	Till	2.20	679	2	8.7	4.1	10.1	6.0	10.4	66.1	1	151.6	0.8	7.5	2.8	77	1.3	231.7	23.6	25.6	47.8
REP AER22TS-1008	QC																				
AER22TS-1016	Rock Pulp	0.06	456	2	51.9	2.1	12.3	3.9	16.2	37.7	6	351.5	0.4	3.7	0.7	57	<0.5	154.7	11.0	28.8	50.6
REP AER22TS-1016	QC																				
AER22TS-1021	Till	2.11	746	3	7.6	7.4	13.8	5.6	13.0	102.1	1	173.0	0.8	9.5	3.3	120	1.8	234.3	22.8	31.7	57.2
REP AER22TS-1021	QC		757	<1	7.6	7.2	13.8	5.9	12.9	104.9	2	181.3	1.0	10.1	3.5	120	1.7	229.9	24.5	31.6	58.1
AER22TS-1022	Till	2.28	563	<1	8.6	4.4	8.8	5.9	8.5	65.8	1	127.1	0.6	7.0	2.4	100	1.1	248.3	20.7	21.8	42.2
REP AER22TS-1022	QC																				
AER22TS-1035	Till	2.53	606	1	42.7	7.4	12.2	7.3	10.6	88.1	2	88.4	0.8	10.6	3.3	83	1.7	276.7	26.6	31.1	58.6
REP AER22TS-1035	QC																				
AER22TS-1038	Till	1.80	655	<1	7.4	3.9	12.0	10.5	10.8	67.5	2	120.2	0.7	10.1	3.0	91	1.5	395.2	25.3	29.8	55.5
REP AER22TS-1038	QC																				
AER22TS-1044	Till	2.21	769	1	8.5	3.7	10.2	6.8	9.3	59.2	1	209.2	0.6	8.4	2.5	86	1.3	277.5	22.2	25.5	48.8
REP AER22TS-1044	QC																				
AER22TS-1052	Till	1.65	614	<1	8.0	5.7	14.6	4.6	9.6	85.9	1	197.0	0.7	9.4	2.6	129	1.3	167.6	20.7	27.7	51.3
REP AER22TS-1052	QC																				
AER22TS-1057	Till	2.17	1185	2	5.2	2.7	8.2	8.8	8.7	49.4	<1	270.1	0.7	7.2	3.0	73	2.0	336.8	19.9	24.6	44.6
REP AER22TS-1057	QC		1213	<1	6.3	3.0	7.8	8.5	8.3	49.9	<1	268.0	0.7	7.6	3.0	70	1.2	339.0	19.9	24.5	45.9
AER22TS-1058	Till	2.09	777	<1	6.2	3.4	9.3	8.4	9.2	60.2	2	150.6	0.6	7.6	3.0	82	1.7	327.2	21.1	25.2	46.7
REP AER22TS-1058	QC																				
AER22TS-1064	Till	1.98	870	2	10.5	3.2	10.2	5.8	9.8	64.8	2	119.5	0.7	8.1	2.9	90	1.5	225.7	20.5	24.6	45.9
REP AER22TS-1064	QC																				



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	Method Analyte Unit MDL	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
AER22TS-1020	Till	7.19	26.3	5.07	1.16	4.70	0.69	3.93	0.79	2.45	0.34	2.21	0.33	11.9	27.7	15.3	117	39.7	17.4	0.8	0.4
AER22TS-1096	Till	6.03	23.1	4.34	0.92	3.95	0.61	3.73	0.80	2.23	0.34	2.20	0.33	0.5	17.3	10.1	56	21.4	7.6	0.3	0.2
AER22TS-3026	Till	7.33	25.2	5.26	1.08	4.68	0.67	4.11	0.86	2.44	0.38	2.47	0.39	0.6	16.0	12.1	73	19.3	12.9	0.5	0.2
AER22TS-3064	Till	7.25	28.1	5.43	1.14	4.95	0.73	4.43	0.95	2.78	0.40	2.81	0.43	1.0	30.2	11.3	88	28.5	7.0	0.7	0.2
Pulp Duplicates																					
AER22TS-1002	Till	5.21	19.6	3.71	0.73	3.32	0.52	3.07	0.67	1.96	0.29	1.81	0.31	0.9	11.9	11.2	54	16.8	7.0	0.4	0.2
REP AER22TS-1002	QC													0.9	11.9	11.4	53	16.7	6.8	0.4	0.2
AER22TS-1008	Till	6.37	23.2	4.59	0.98	4.06	0.66	3.76	0.77	2.19	0.34	2.20	0.34	1.0	26.4	12.7	81	20.7	7.1	0.5	0.3
REP AER22TS-1008	QC																				
AER22TS-1016	Rock Pulp	6.50	23.7	3.82	1.00	2.82	0.39	1.97	0.39	1.13	0.14	1.05	0.16	12.0	152.5	267.0	208	78.7	9.7	0.5	0.2
REP AER22TS-1016	QC																				
AER22TS-1021	Till	7.23	27.9	4.83	1.01	4.58	0.64	3.69	0.78	2.33	0.32	2.27	0.37	1.8	24.4	14.5	84	19.8	7.3	0.6	0.3
REP AER22TS-1021	QC	7.33	26.8	4.83	1.06	4.47	0.65	4.00	0.81	2.46	0.34	2.33	0.36								
AER22TS-1022	Till	5.32	20.5	3.67	0.82	3.54	0.53	3.16	0.67	2.00	0.29	1.89	0.28	0.9	14.3	9.7	61	19.3	7.5	0.4	0.2
REP AER22TS-1022	QC																				
AER22TS-1035	Till	7.71	28.4	5.32	1.11	4.93	0.80	4.65	1.02	2.91	0.43	2.75	0.46	0.7	20.2	13.5	64	16.7	6.9	0.5	0.2
REP AER22TS-1035	QC																				
AER22TS-1038	Till	7.44	29.5	5.39	1.14	5.04	0.73	4.36	0.95	2.86	0.43	2.81	0.44	0.4	17.4	11.6	63	21.5	6.4	0.2	0.2
REP AER22TS-1038	QC													0.4	17.4	11.3	63	21.4	6.3	0.2	0.2
AER22TS-1044	Till	6.32	24.8	4.28	1.01	4.17	0.65	3.83	0.74	2.29	0.34	2.20	0.36	0.4	19.3	10.7	60	23.6	7.3	0.4	0.2
REP AER22TS-1044	QC																				
AER22TS-1052	Till	6.57	23.8	4.44	0.93	4.11	0.58	3.55	0.73	2.14	0.31	2.03	0.32	0.4	24.4	11.1	72	23.8	5.6	0.4	0.1
REP AER22TS-1052	QC																				
AER22TS-1057	Till	5.69	20.6	3.91	0.83	3.70	0.57	3.26	0.70	2.09	0.30	2.16	0.32	0.4	13.2	8.1	48	15.8	6.4	0.4	0.2
REP AER22TS-1057	QC	5.71	20.7	3.93	0.89	3.77	0.55	3.16	0.69	1.88	0.31	2.03	0.32								
AER22TS-1058	Till	5.97	22.9	4.19	0.88	3.99	0.58	3.49	0.70	2.13	0.33	2.18	0.35	0.5	14.4	8.2	51	15.7	4.8	0.3	0.2
REP AER22TS-1058	QC																				
AER22TS-1064	Till	5.58	21.2	3.90	0.84	3.88	0.55	3.44	0.69	2.12	0.31	1.96	0.32	0.9	19.9	12.4	74	27.2	8.5	0.5	0.2
REP AER22TS-1064	QC																				



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	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20
AER22TS-1020	Till	0.2	0.4	1.7	0.08	0.4	1.6	56.32	13.14	4.39	1.70	5.88	0.38	2.54	0.55	0.21	0.02	0.011	1182	47	120
AER22TS-1096	Till	0.1	0.1	1.2	0.06	0.2	<0.5	59.21	8.77	2.97	2.34	9.83	0.81	1.67	0.51	0.17	0.05	0.009	687	<20	157
AER22TS-3026	Till	0.1	<0.1	1.2	0.03	0.3	<0.5	59.65	10.70	3.12	2.34	6.65	0.48	1.76	0.49	0.18	0.05	0.006	788	22	95
AER22TS-3064	Till	0.2	0.2	0.8	0.07	<0.1	<0.5	59.52	11.81	3.80	2.39	6.07	0.62	2.03	0.66	0.21	0.06	0.011	635	30	132
Pulp Duplicates																					
AER22TS-1002	Till	0.1	0.1	1.0	0.05	0.1	0.9	45.22	7.37	2.48	4.92	16.46	0.43	1.37	0.36	0.17	0.05	0.005	436	23	110
REP AER22TS-1002	QC	0.1	0.1	1.1	0.06	0.1	0.9														
AER22TS-1008	Till	0.2	0.2	1.2	0.05	0.1	0.6	60.78	9.84	3.39	2.93	7.42	0.96	1.66	0.56	0.17	0.04	0.006	718	20	164
REP AER22TS-1008	QC																				
AER22TS-1016	Rock Pulp	0.1	0.1	34.1	0.01	<0.1	<0.5	71.92	11.97	4.02	1.71	3.29	3.41	1.43	0.38	0.13	0.07	0.014	470	89	398
REP AER22TS-1016	QC																				
AER22TS-1021	Till	0.2	0.2	1.1	0.05	0.2	1.1	56.44	12.08	3.61	2.48	7.81	0.69	2.54	0.55	0.17	0.05	0.008	797	21	199
REP AER22TS-1021	QC																				
AER22TS-1022	Till	0.1	0.2	0.9	0.05	0.2	0.9	45.78	7.86	2.51	3.01	16.79	0.40	1.53	0.40	0.16	0.03	0.006	568	22	135
REP AER22TS-1022	QC							45.87	7.98	2.50	3.01	16.55	0.41	1.55	0.41	0.17	0.03	0.007	565	25	136
AER22TS-1035	Till	0.2	<0.1	1.2	0.03	0.2	<0.5	60.93	11.35	3.42	3.15	5.93	0.81	2.36	0.58	0.17	0.06	0.006	670	21	101
REP AER22TS-1035	QC																				
AER22TS-1038	Till	0.2	0.1	1.2	0.03	0.2	<0.5	70.94	11.65	3.62	1.17	1.01	1.05	1.92	0.61	0.09	0.05	0.008	689	24	133
REP AER22TS-1038	QC	0.2	0.1	0.9	0.03	0.2	<0.5														
AER22TS-1044	Till	0.1	0.1	1.6	0.05	0.2	0.6	53.72	9.20	3.24	2.32	11.99	0.71	1.62	0.52	0.17	0.05	0.008	797	25	227
REP AER22TS-1044	QC																				
AER22TS-1052	Till	0.2	0.1	1.3	0.04	0.2	<0.5	51.84	12.54	4.08	2.98	8.37	0.50	1.99	0.52	0.16	0.04	0.009	627	31	215
REP AER22TS-1052	QC																				
AER22TS-1057	Till	0.1	0.2	1.5	0.04	0.2	0.5	50.90	7.39	2.43	2.83	15.07	0.55	1.43	0.45	0.15	0.05	0.006	1228	<20	272
REP AER22TS-1057	QC																				
AER22TS-1058	Till	0.1	<0.1	1.0	0.03	0.2	<0.5	61.94	9.03	2.79	3.32	7.40	0.85	1.71	0.50	0.16	0.04	0.007	824	<20	162
REP AER22TS-1058	QC							61.76	9.10	2.83	3.34	7.41	0.85	1.73	0.50	0.16	0.04	0.008	826	<20	163
AER22TS-1064	Till	0.1	0.1	1.0	0.07	0.2	0.5	60.28	9.84	3.22	2.52	8.04	0.56	1.84	0.50	0.18	0.06	0.008	932	29	128
REP AER22TS-1064	QC							60.41	9.79	3.23	2.51	7.95	0.56	1.84	0.50	0.18	0.06	0.009	950	28	127



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Method Analyte Unit MDL		LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
AER22TS-1020	Till	169	23	14	12	14.6	99.91	3.80	2.57	0.04	4.35	12.87	29.49	16.53	120.3	416	41.0	9.1	120	2.50	17.6
AER22TS-1096	Till	284	21	8	7	13.4	99.92	2.55	0.40	<0.02	7.85	0.54	16.66	10.00	56.0	106	21.5	7.5	365	1.65	7.4
AER22TS-3026	Till	309	25	12	7	14.3	99.92	3.05	1.44	0.02	5.82	0.62	16.09	14.14	71.1	87	19.9	8.2	368	1.66	14.2
AER22TS-3064	Till	304	27	12	11	12.6	99.92	2.92	1.39	<0.02	5.54	1.02	30.75	12.71	91.8	197	28.9	11.0	446	2.20	7.5
Pulp Duplicates																					
AER22TS-1002	Till	290	22	10	6	20.9	99.87	5.05	0.62	<0.02	16.23	0.91	11.96	11.19	54.7	126	16.8	5.2	363	1.31	6.9
REP AER22TS-1002	QC																				
AER22TS-1008	Till	258	23	14	8	12.0	99.90	2.53	0.58	<0.02	7.13	1.13	26.94	13.35	85.2	170	21.1	8.6	319	1.81	7.2
REP AER22TS-1008	QC									<0.02											
AER22TS-1016	Rock Pulp	165	11	15	9	1.4	99.87	0.07	0.04	<0.02	0.12	11.88	153.91	268.48	203.6	108	77.6	49.2	277	1.61	9.5
REP AER22TS-1016	QC							0.07													
AER22TS-1021	Till	238	23	15	9	13.3	99.90	2.93	1.09	<0.02	6.72	1.86	25.22	15.24	87.4	189	20.3	7.5	332	1.92	7.7
REP AER22TS-1021	QC																				
AER22TS-1022	Till	249	19	11	7	21.3	99.90	5.57	1.64	0.05	14.22	1.02	15.11	10.20	65.7	198	20.1	8.3	216	1.41	8.0
REP AER22TS-1022	QC	257	20	11	7	21.3	99.90														
AER22TS-1035	Till	313	28	14	9	11.0	99.90	1.84	0.29	<0.02	5.67	0.76	19.07	13.28	62.2	58	15.9	7.5	384	1.55	7.3
REP AER22TS-1035	QC										5.69	0.78	19.37	13.70	63.3	60	15.9	7.6	386	1.57	7.3
AER22TS-1038	Till	431	27	10	9	7.7	99.95	0.95	0.93	<0.02	<0.08	0.51	16.66	11.70	63.2	128	20.4	6.5	315	1.92	6.2
REP AER22TS-1038	QC																				
AER22TS-1044	Till	297	21	6	8	16.2	99.92	3.55	0.93	<0.02	9.53	0.49	17.56	10.31	56.4	119	21.4	7.4	346	1.67	7.0
REP AER22TS-1044	QC									<0.02											
AER22TS-1052	Till	190	21	9	11	16.8	99.90	3.27	1.43	0.03	6.65	0.45	23.46	11.69	71.9	127	23.0	7.3	255	2.04	5.4
REP AER22TS-1052	QC							3.21													
AER22TS-1057	Till	331	21	10	6	18.4	99.92	4.50	0.98	<0.02	12.84	0.38	12.97	8.54	49.2	183	16.0	5.2	347	1.31	6.1
REP AER22TS-1057	QC																				
AER22TS-1058	Till	348	23	8	7	12.0	99.90	2.25	0.31	<0.02	7.10	0.59	13.84	8.45	52.3	84	15.6	5.1	247	1.37	4.8
REP AER22TS-1058	QC	353	23	10	7	12.0	99.91														
AER22TS-1064	Till	252	21	12	8	12.7	99.91	2.40	0.50	<0.02	6.94	1.01	19.36	12.69	75.2	129	27.4	10.1	449	1.69	8.1
REP AER22TS-1064	QC	256	21	13	8	12.7	99.91														



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-1020	Till	1.1	1.3	4.1	63.0	0.95	0.63	0.21	27	4.26	0.084	5.3	14.2	0.58	631.5	<0.001	6	0.99	0.006	0.17	<0.1
AER22TS-1096	Till	0.7	1.0	4.2	79.8	0.36	0.35	0.11	28	6.48	0.070	13.7	17.4	1.17	230.1	0.007	4	1.10	0.009	0.14	<0.1
AER22TS-3026	Till	1.0	1.3	4.6	50.4	0.50	0.41	0.18	29	4.59	0.076	19.7	14.5	1.17	460.5	0.004	3	1.50	0.006	0.20	<0.1
AER22TS-3064	Till	0.6	0.9	4.1	64.5	0.69	0.31	0.18	32	4.29	0.086	7.3	19.1	1.14	237.6	0.001	3	1.25	0.010	0.19	<0.1
Pulp Duplicates																					
AER22TS-1002	Till	0.6	0.9	2.6	70.6	0.46	0.32	0.12	19	10.49	0.066	8.9	10.5	2.66	172.4	0.001	2	0.88	0.009	0.10	<0.1
REP AER22TS-1002	QC																				
AER22TS-1008	Till	0.8	1.6	4.2	92.8	0.63	0.49	0.22	21	5.13	0.070	11.8	12.5	1.47	393.3	0.006	3	1.02	0.008	0.14	<0.1
REP AER22TS-1008	QC																				
AER22TS-1016	Rock Pulp	0.4	37.7	3.1	32.6	0.47	0.19	0.14	23	0.58	0.053	24.7	31.3	0.50	60.6	0.072	1	0.82	0.096	0.11	<0.1
REP AER22TS-1016	QC																				
AER22TS-1021	Till	0.9	1.0	5.1	94.3	0.59	0.33	0.24	27	5.43	0.072	13.9	12.8	1.14	342.8	0.003	4	1.28	0.014	0.23	<0.1
REP AER22TS-1021	QC																				
AER22TS-1022	Till	0.6	0.9	2.8	84.0	0.40	0.33	0.13	21	11.25	0.067	7.1	11.4	1.58	225.4	0.002	4	0.88	0.008	0.13	<0.1
REP AER22TS-1022	QC																				
AER22TS-1035	Till	0.6	2.6	5.2	55.2	0.57	0.45	0.22	17	3.80	0.066	15.5	10.8	1.35	358.2	0.002	2	1.13	0.005	0.17	<0.1
REP AER22TS-1035	QC	0.6	1.4	5.5	55.2	0.59	0.43	0.23	17	3.90	0.065	16.4	11.0	1.35	366.9	0.003	3	1.15	0.005	0.18	<0.1
AER22TS-1038	Till	0.7	1.7	4.7	23.6	0.23	0.38	0.18	31	0.41	0.026	18.8	17.8	0.44	227.3	0.010	3	1.77	0.007	0.19	<0.1
REP AER22TS-1038	QC																				
AER22TS-1044	Till	0.8	1.7	3.6	153.7	0.40	0.35	0.14	28	7.82	0.066	14.7	16.8	1.08	374.6	0.006	4	1.19	0.008	0.13	<0.1
REP AER22TS-1044	QC																				
AER22TS-1052	Till	0.9	1.5	5.4	160.7	0.36	0.25	0.21	37	5.57	0.059	16.0	21.9	1.35	255.9	0.003	5	1.74	0.019	0.23	<0.1
REP AER22TS-1052	QC																				
AER22TS-1057	Till	1.2	1.0	2.9	219.1	0.44	0.29	0.11	23	10.33	0.064	12.6	12.3	1.43	946.5	0.004	5	1.01	0.023	0.13	<0.1
REP AER22TS-1057	QC																				
AER22TS-1058	Till	0.9	1.0	4.0	81.4	0.33	0.30	0.14	23	4.61	0.063	11.1	13.2	1.61	351.5	0.004	3	0.94	0.039	0.13	<0.1
REP AER22TS-1058	QC																				
AER22TS-1064	Till	0.8	1.2	4.8	75.0	0.50	0.43	0.14	25	5.46	0.075	13.3	16.4	1.16	523.0	0.003	3	1.10	0.010	0.15	<0.1
REP AER22TS-1064	QC																				



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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
	Unit	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
	MDL	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
AER22TS-1020	Till	5.4	0.40	0.04	90	1.5	0.06	2.9	0.90	<0.1	0.07	0.08	12.3	0.4	<0.05	2.8	14.11	13.5	0.04	1	0.7
AER22TS-1096	Till	3.3	0.20	<0.02	59	0.4	0.04	3.3	0.96	<0.1	0.10	0.14	12.7	1.3	<0.05	5.5	11.12	27.2	0.02	<1	0.5
AER22TS-3026	Till	3.6	0.28	0.02	35	0.4	0.02	4.9	1.19	<0.1	0.16	0.21	16.4	0.6	<0.05	6.2	14.04	38.5	0.03	<1	0.6
AER22TS-3064	Till	5.1	0.09	0.02	71	0.6	0.04	3.7	1.21	<0.1	0.05	0.04	12.5	0.6	<0.05	2.8	11.82	16.7	0.04	<1	0.8
Pulp Duplicates																					
AER22TS-1002	Till	2.5	0.14	<0.02	55	0.6	0.03	2.3	0.73	<0.1	0.04	0.08	7.6	0.3	<0.05	2.0	12.29	17.4	<0.02	<1	0.5
REP AER22TS-1002	QC																				
AER22TS-1008	Till	3.4	0.17	<0.02	56	0.4	0.03	3.1	1.33	<0.1	0.10	0.12	10.8	0.4	<0.05	3.5	10.34	25.6	0.03	<1	0.6
REP AER22TS-1008	QC																				
AER22TS-1016	Rock Pulp	2.9	0.08	0.04	15	0.2	<0.02	2.6	1.13	<0.1	0.18	0.35	6.7	2.2	<0.05	6.0	5.37	42.3	0.03	<1	0.2
REP AER22TS-1016	QC																				
AER22TS-1021	Till	3.8	0.18	<0.02	53	1.0	0.05	3.9	1.91	<0.1	0.11	0.23	16.7	0.6	<0.05	4.8	12.04	28.3	0.03	3	1.0
REP AER22TS-1021	QC																				
AER22TS-1022	Till	2.8	0.18	0.03	53	0.6	0.04	2.4	1.05	<0.1	0.04	0.16	9.9	0.6	<0.05	2.4	11.23	14.7	<0.02	<1	0.6
REP AER22TS-1022	QC																				
AER22TS-1035	Till	3.1	0.17	<0.02	30	0.2	0.04	2.9	1.59	<0.1	0.09	0.04	11.5	0.8	<0.05	3.2	10.92	34.4	0.02	<1	0.7
REP AER22TS-1035	QC	3.2	0.19	<0.02	29	0.2	0.03	3.0	1.74	<0.1	0.10	0.04	12.4	0.8	<0.05	3.3	11.06	35.8	0.02	<1	0.7
AER22TS-1038	Till	3.7	0.19	<0.02	32	0.2	0.03	4.8	1.30	<0.1	0.21	0.27	16.9	1.5	<0.05	8.4	13.40	37.2	0.03	<1	0.8
REP AER22TS-1038	QC																				
AER22TS-1044	Till	3.2	0.21	0.02	55	0.4	0.03	3.5	1.08	<0.1	0.08	0.28	12.6	0.6	<0.05	3.9	11.17	29.7	0.02	<1	0.6
REP AER22TS-1044	QC																				
AER22TS-1052	Till	4.7	0.22	<0.02	47	0.2	0.03	5.0	1.13	<0.1	0.17	0.24	18.1	0.8	<0.05	7.7	12.77	32.1	0.03	<1	0.9
REP AER22TS-1052	QC																				
AER22TS-1057	Till	2.4	0.18	0.05	49	0.4	0.03	2.9	0.87	<0.1	0.06	0.21	9.7	0.6	<0.05	2.5	10.02	25.1	<0.02	<1	0.5
REP AER22TS-1057	QC																				
AER22TS-1058	Till	2.8	0.17	0.20	28	0.3	0.03	2.7	1.03	<0.1	0.12	0.07	11.4	0.9	<0.05	5.1	9.64	22.8	<0.02	1	0.5
REP AER22TS-1058	QC																				
AER22TS-1064	Till	3.7	0.25	<0.02	62	0.3	0.04	3.3	0.86	<0.1	0.13	0.06	12.1	1.5	<0.05	5.3	11.30	28.2	0.03	<1	0.6
REP AER22TS-1064	QC																				



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AER22TS-1020	Till	11.0	2.05	10.67	3.45	0.79	3.64	0.49	2.71	0.46	1.13	0.12	0.72	0.09	<10	<2
AER22TS-1096	Till	9.4	3.34	13.69	2.85	0.59	2.63	0.34	1.97	0.34	0.90	0.11	0.66	0.09	<10	<2
AER22TS-3026	Till	12.4	5.31	20.47	4.34	0.85	3.69	0.52	2.78	0.49	1.25	0.16	0.98	0.13	<10	<2
AER22TS-3064	Till	11.5	2.27	10.69	2.87	0.68	3.15	0.42	2.30	0.39	0.98	0.11	0.66	0.09	<10	<2
Pulp Duplicates																
AER22TS-1002	Till	8.8	2.45	10.91	2.43	0.54	2.37	0.31	1.82	0.32	0.86	0.10	0.61	0.08	<10	<2
REP AER22TS-1002	QC															
AER22TS-1008	Till	12.8	3.34	14.89	3.43	0.73	3.10	0.38	2.09	0.33	0.83	0.09	0.54	0.07	<10	<2
REP AER22TS-1008	QC															
AER22TS-1016	Rock Pulp	8.3	5.08	17.51	2.57	0.56	1.74	0.20	1.10	0.19	0.52	0.07	0.44	0.06	45	26
REP AER22TS-1016	QC															
AER22TS-1021	Till	14.0	3.65	15.54	3.47	0.76	3.23	0.41	2.27	0.37	0.96	0.11	0.65	0.09	<10	<2
REP AER22TS-1021	QC															
AER22TS-1022	Till	9.7	2.08	9.79	2.57	0.57	2.55	0.33	1.89	0.32	0.83	0.10	0.56	0.08	<10	<2
REP AER22TS-1022	QC															
AER22TS-1035	Till	14.0	4.60	18.36	3.77	0.72	3.13	0.40	2.08	0.34	0.83	0.10	0.57	0.07	<10	<2
REP AER22TS-1035	QC	13.9	4.70	19.32	4.00	0.76	3.33	0.43	2.16	0.35	0.85	0.10	0.58	0.07	<10	<2
AER22TS-1038	Till	11.8	5.13	19.62	3.93	0.76	3.52	0.46	2.56	0.44	1.17	0.15	0.93	0.12	<10	<2
REP AER22TS-1038	QC															
AER22TS-1044	Till	12.3	3.64	14.71	2.98	0.59	2.69	0.36	2.02	0.35	0.93	0.11	0.73	0.10	<10	<2
REP AER22TS-1044	QC															
AER22TS-1052	Till	18.6	4.33	16.56	3.41	0.69	3.08	0.41	2.31	0.39	1.02	0.13	0.81	0.11	<10	<2
REP AER22TS-1052	QC															
AER22TS-1057	Till	11.4	3.23	13.13	2.73	0.52	2.48	0.32	1.81	0.31	0.81	0.10	0.60	0.08	<10	<2
REP AER22TS-1057	QC															
AER22TS-1058	Till	11.1	2.96	12.28	2.60	0.51	2.36	0.32	1.73	0.30	0.78	0.10	0.58	0.08	<10	<2
REP AER22TS-1058	QC															
AER22TS-1064	Till	11.4	3.47	14.51	3.05	0.61	2.79	0.38	2.04	0.35	0.89	0.10	0.65	0.08	<10	<2
REP AER22TS-1064	QC															



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		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
AER22TS-1071	Till	2.46	658	3	8.0	3.3	8.9	9.9	8.9	51.0	2	119.3	0.6	7.5	2.7	82	1.0	401.1	22.2	25.0	46.6
REP AER22TS-1071	QC																				
AER22TS-1074	Till	1.86	826	1	6.4	3.1	7.9	7.0	8.4	50.8	1	300.7	0.6	6.8	3.0	65	0.8	283.8	20.2	24.4	48.3
REP AER22TS-1074	QC																				
AER22TS-1079	Till	2.06	959	1	9.7	3.2	10.9	6.6	10.0	59.4	1	247.9	0.7	7.5	2.5	80	0.8	273.7	21.7	28.2	53.3
REP AER22TS-1079	QC																				
AER22TS-1088	Till	1.72	795	<1	9.7	3.5	12.6	7.7	11.2	67.5	3	209.0	0.7	9.1	3.1	99	1.8	333.1	24.9	30.3	59.0
REP AER22TS-1088	QC																				
AER22TS-1093	Rock Pulp	0.07	474	<1	51.6	1.7	14.3	4.0	17.2	38.7	7	412.5	0.5	3.7	0.8	62	0.8	167.2	11.9	33.8	55.7
REP AER22TS-1093	QC		479	<1	54.4	1.9	13.2	4.1	17.3	38.2	7	423.6	0.4	3.8	0.7	60	<0.5	166.7	12.1	32.7	60.6
AER22TS-1094	Till	2.22	664	<1	5.6	2.5	8.7	7.7	8.7	53.1	2	155.8	0.6	7.1	2.7	73	1.0	329.2	19.0	24.2	42.8
REP AER22TS-1094	QC																				
AER22TS-1107	Till	2.17	912	<1	14.6	4.2	13.7	6.1	10.1	68.2	3	197.3	0.8	10.2	2.5	119	1.7	220.8	22.9	32.2	61.9
REP AER22TS-1107	QC																				
AER22TS-3003	Till	2.41	120	2	4.2	9.2	8.0	7.1	7.6	86.3	2	203.5	0.5	6.4	2.8	51	1.1	278.9	20.1	20.8	35.8
REP AER22TS-3003	QC																				
AER22TS-3009	Till	2.21	1103	1	11.7	3.3	10.8	7.1	11.7	72.9	3	118.8	0.6	8.5	2.9	124	1.3	289.3	25.9	30.3	55.2
REP AER22TS-3009	QC																				
AER22TS-3016	Till	2.20	468	1	4.1	3.1	8.1	11.3	9.2	46.2	2	157.3	0.6	7.4	3.1	67	1.4	468.0	25.7	26.1	52.0
REP AER22TS-3016	QC																				
AER22TS-3022	Till	2.20	886	<1	15.0	6.5	15.9	6.3	11.9	90.1	2	109.7	0.8	9.6	3.3	166	1.7	254.7	27.8	33.6	63.0
REP AER22TS-3022	QC		876	<1	15.1	6.2	15.9	6.4	11.3	89.0	2	109.8	0.7	9.5	3.6	166	1.3	245.5	26.8	31.8	62.0
AER22TS-3023	Till	2.16	744	3	10.2	3.3	11.0	6.7	8.1	48.1	1	181.8	0.5	6.4	2.2	99	1.0	254.6	23.1	25.1	46.5
REP AER22TS-3023	QC																				
AER22TS-3035	Till	1.99	841	3	8.4	3.9	20.0	8.8	14.8	77.7	2	180.9	1.1	14.5	4.4	152	1.8	348.0	31.4	40.8	72.9
REP AER22TS-3035	QC																				
AER22TS-3038	Till	2.36	865	2	16.2	4.2	14.3	6.0	10.9	79.1	1	161.6	0.9	9.3	3.4	127	1.5	235.9	23.7	29.8	57.4
REP AER22TS-3038	QC																				
AER22TS-3045	Till	2.69	655	<1	7.7	4.1	9.7	6.0	10.5	66.3	<1	189.8	0.7	7.6	3.0	107	0.8	248.1	25.7	29.3	50.6



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QUALITY CONTROL REPORT

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		LF100 Pr ppm 0.02	LF100 Nd ppm 0.3	LF100 Sm ppm 0.05	LF100 Eu ppm 0.02	LF100 Gd ppm 0.05	LF100 Tb ppm 0.01	LF100 Dy ppm 0.05	LF100 Ho ppm 0.02	LF100 Er ppm 0.03	LF100 Tm ppm 0.01	LF100 Yb ppm 0.05	LF100 Lu ppm 0.01	AQ200 Mo ppm 0.1	AQ200 Cu ppm 0.1	AQ200 Pb ppm 0.1	AQ200 Zn ppm 1	AQ200 Ni ppm 0.1	AQ200 As ppm 0.5	AQ200 Cd ppm 0.1	AQ200 Sb ppm 0.1
AER22TS-1071	Till	5.62	22.0	3.94	0.86	3.97	0.60	3.51	0.81	2.34	0.37	2.26	0.37	0.5	16.3	9.6	50	17.1	5.9	0.4	0.2
REP AER22TS-1071	QC																				
AER22TS-1074	Till	5.67	21.5	4.09	0.78	3.66	0.55	3.22	0.69	2.06	0.29	1.95	0.32	0.4	12.2	8.3	51	15.6	5.3	0.4	0.3
REP AER22TS-1074	QC													0.4	12.0	8.4	51	15.5	5.2	0.4	0.3
AER22TS-1079	Till	6.26	24.3	4.08	0.99	4.04	0.59	3.50	0.80	2.22	0.32	2.09	0.35	0.5	20.3	10.3	64	27.7	7.3	0.4	0.3
REP AER22TS-1079	QC																				
AER22TS-1088	Till	6.87	26.4	4.92	1.02	4.60	0.68	4.18	0.91	2.71	0.37	2.48	0.39	0.7	20.1	10.8	70	25.8	7.6	0.4	0.2
REP AER22TS-1088	QC																				
AER22TS-1093	Rock Pulp	6.89	25.1	3.65	0.96	2.98	0.40	2.14	0.37	1.20	0.16	0.98	0.16	12.2	159.6	267.1	220	80.9	9.6	0.5	0.2
REP AER22TS-1093	QC	6.92	24.1	3.96	1.01	2.94	0.38	2.22	0.44	1.25	0.16	1.08	0.16								
AER22TS-1094	Till	5.28	20.0	3.69	0.84	3.61	0.53	3.18	0.67	2.02	0.29	2.02	0.30	0.5	14.9	8.3	49	20.5	5.8	0.4	0.3
REP AER22TS-1094	QC																				
AER22TS-1107	Till	7.29	27.1	5.07	1.19	4.68	0.71	4.15	0.85	2.52	0.37	2.38	0.36	0.8	28.3	14.6	76	38.1	9.9	0.3	0.4
REP AER22TS-1107	QC																				
AER22TS-3003	Till	4.57	17.2	3.16	0.67	2.95	0.45	2.94	0.62	1.98	0.29	2.05	0.31	0.3	3.9	3.1	35	15.6	2.3	0.2	<0.1
REP AER22TS-3003	QC													0.3	3.9	3.1	35	15.8	2.1	0.2	<0.1
AER22TS-3009	Till	6.54	24.9	4.74	1.00	4.31	0.66	3.91	0.84	2.56	0.37	2.27	0.37	2.6	28.9	13.3	101	42.3	10.5	1.2	1.3
REP AER22TS-3009	QC																				
AER22TS-3016	Till	6.03	21.9	4.45	0.84	4.16	0.66	3.85	0.82	2.48	0.35	2.57	0.39	0.1	8.9	6.9	43	15.0	2.8	0.3	0.1
REP AER22TS-3016	QC																				
AER22TS-3022	Till	7.58	28.9	5.47	1.20	4.88	0.77	4.49	0.98	2.83	0.40	2.85	0.42	1.0	31.1	13.7	96	36.9	10.8	0.3	0.2
REP AER22TS-3022	QC	7.22	27.3	5.26	1.26	5.17	0.78	4.77	0.98	2.92	0.41	2.85	0.43								
AER22TS-3023	Till	5.82	23.5	4.32	1.14	4.32	0.65	3.84	0.72	2.15	0.32	2.06	0.32	0.3	20.8	8.8	59	21.8	4.9	0.6	0.2
REP AER22TS-3023	QC																				
AER22TS-3035	Till	9.47	37.0	7.48	1.76	7.37	1.07	5.69	1.14	3.27	0.47	3.01	0.46	0.8	32.2	12.6	90	33.9	10.4	<0.1	0.1
REP AER22TS-3035	QC																				
AER22TS-3038	Till	6.74	25.6	4.69	1.01	4.46	0.66	3.94	0.81	2.35	0.35	2.29	0.39	1.1	28.3	12.5	90	36.1	7.1	0.7	0.3
REP AER22TS-3038	QC													1.1	28.9	12.6	90	35.8	7.2	0.7	0.3
AER22TS-3045	Till	6.37	23.6	4.55	1.02	4.48	0.66	3.93	0.78	2.43	0.34	2.24	0.37	0.9	18.4	9.7	75	22.7	6.3	1.0	0.2



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		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	MnO	Cr ₂ O ₃	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
AER22TS-1071	Till	0.1	0.1	1.4	0.04	0.2	0.5	55.47	7.85	2.57	2.72	12.01	0.55	1.39	0.45	0.16	0.04	0.007	637	<20	114
REP AER22TS-1071	QC																				
AER22TS-1074	Till	<0.1	0.1	1.7	0.05	0.2	0.7	51.07	7.03	2.15	3.28	15.07	0.49	1.41	0.42	0.15	0.06	0.005	759	<20	292
REP AER22TS-1074	QC	<0.1	0.1	1.8	0.05	0.2	0.6														
AER22TS-1079	Till	0.1	0.1	2.0	0.09	0.2	0.6	57.82	9.98	3.43	2.06	8.82	1.13	1.73	0.56	0.18	0.05	0.008	941	24	230
REP AER22TS-1079	QC																				
AER22TS-1088	Till	0.2	0.1	1.2	0.04	0.2	<0.5	58.70	9.69	3.50	1.99	7.92	0.83	1.79	0.56	0.19	0.05	0.007	728	26	184
REP AER22TS-1088	QC																				
AER22TS-1093	Rock Pulp	0.1	0.1	35.9	0.01	<0.1	<0.5	71.86	12.13	3.99	1.71	3.32	3.41	1.43	0.38	0.13	0.06	0.015	464	88	401
REP AER22TS-1093	QC																				
AER22TS-1094	Till	0.1	0.2	1.6	0.06	0.2	<0.5	53.93	7.55	2.51	2.53	13.26	0.54	1.49	0.41	0.19	0.04	0.007	636	<20	144
REP AER22TS-1094	QC							53.65	7.66	2.54	2.55	13.35	0.56	1.51	0.41	0.18	0.04	0.007	640	<20	147
AER22TS-1107	Till	0.2	0.1	1.7	0.06	0.3	<0.5	59.05	12.79	4.85	1.89	5.64	1.18	1.96	0.62	0.17	0.09	0.010	911	37	192
REP AER22TS-1107	QC																				
AER22TS-3003	Till	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5	43.95	6.65	2.58	6.40	15.99	0.06	2.76	0.45	0.09	0.02	0.009	119	20	190
REP AER22TS-3003	QC	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
AER22TS-3009	Till	0.1	0.3	1.3	0.08	0.2	2.9	60.87	9.24	2.79	2.93	6.93	0.28	1.84	0.49	0.23	0.06	0.009	1053	42	106
REP AER22TS-3009	QC																				
AER22TS-3016	Till	<0.1	0.1	0.8	0.01	0.1	<0.5	52.59	7.05	2.66	3.76	13.29	0.39	1.13	0.42	0.17	0.04	0.004	448	<20	141
REP AER22TS-3016	QC																				
AER22TS-3022	Till	0.2	0.2	1.6	0.08	0.2	<0.5	64.19	13.68	4.67	1.88	2.00	0.91	2.11	0.68	0.19	0.07	0.013	872	42	103
REP AER22TS-3022	QC																				
AER22TS-3023	Till	0.1	0.2	1.7	0.06	0.1	<0.5	43.95	9.82	3.18	1.87	16.96	0.79	1.21	0.53	0.16	0.30	0.010	737	24	175
REP AER22TS-3023	QC							44.10	9.65	3.16	1.86	17.09	0.77	1.19	0.51	0.15	0.30	0.010	736	22	173
AER22TS-3035	Till	0.2	<0.1	2.0	0.05	0.2	<0.5	59.56	17.24	5.04	1.49	1.32	1.59	2.27	1.13	0.18	0.03	0.015	872	30	174
REP AER22TS-3035	QC																				
AER22TS-3038	Till	0.2	0.2	1.0	0.08	0.2	<0.5	60.56	12.07	3.95	2.32	5.23	0.78	2.06	0.57	0.21	0.07	0.010	861	33	149
REP AER22TS-3038	QC	0.2	0.2	1.1	0.09	0.2	<0.5														
AER22TS-3045	Till	0.1	0.3	0.8	0.08	0.1	0.6	46.40	8.61	2.71	2.53	16.80	0.26	1.67	0.54	0.25	0.06	0.009	653	20	182



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		LF300 Zr ppm 5	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1	LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC005 C/ORG % 0.02	TC005 C/GRA % 0.02	TC006 CO2 % 0.08	AQ251 Mo ppm 0.01	AQ251 Cu ppm 0.01	AQ251 Pb ppm 0.01	AQ251 Zn ppm 0.1	AQ251 Ag ppb 2	AQ251 Ni ppm 0.1	AQ251 Co ppm 0.1	AQ251 Mn ppm 1	AQ251 Fe % 0.01	AQ251 As ppm 0.1
AER22TS-1071	Till	406	22	17	7	16.6	99.91	3.66	0.78	<0.02	10.54	0.49	16.00	9.59	47.7	137	17.3	6.3	267	1.37	5.9
REP AER22TS-1071	QC										10.23	0.51	16.09	9.63	49.2	150	17.9	6.4	267	1.38	5.6
AER22TS-1074	Till	295	19	11	5	18.6	99.92	4.42	0.63	<0.02	13.86	0.40	11.40	8.41	48.7	127	15.4	5.3	397	1.17	5.0
REP AER22TS-1074	QC																				
AER22TS-1079	Till	268	20	10	8	14.0	99.91	2.97	1.15	<0.02	6.63	0.50	19.43	9.96	61.2	137	27.5	9.3	374	1.91	6.9
REP AER22TS-1079	QC									<0.02											
AER22TS-1088	Till	320	22	16	8	14.5	99.92	3.26	1.57	0.03	6.09	0.70	19.14	10.18	65.1	119	24.4	8.3	367	1.96	7.2
REP AER22TS-1088	QC							3.22													
AER22TS-1093	Rock Pulp	165	11	22	9	1.3	99.86	0.07	0.05	<0.02	0.09	12.45	154.50	280.57	213.9	105	79.9	48.3	287	1.65	9.2
REP AER22TS-1093	QC																				
AER22TS-1094	Till	305	19	13	6	17.3	99.92	3.92	0.85	0.03	11.14	0.54	14.53	8.37	48.3	206	20.6	5.4	298	1.39	5.6
REP AER22TS-1094	QC	315	19	10	6	17.3	99.91														
AER22TS-1107	Till	234	23	13	11	11.5	99.92	1.56	0.56	0.02	3.57	0.91	28.54	18.33	72.1	152	36.9	16.1	633	2.64	10.9
REP AER22TS-1107	QC										3.44	0.88	28.55	17.32	70.9	130	36.4	15.4	627	2.63	10.9
AER22TS-3003	Till	279	17	10	6	20.9	99.88	4.76	<0.02	<0.02	17.39	0.38	4.04	3.69	34.3	23	16.2	3.3	135	1.13	2.6
REP AER22TS-3003	QC																				
AER22TS-3009	Till	286	23	15	8	14.0	99.89	3.34	1.49	<0.02	6.71	2.58	27.93	14.75	94.4	326	40.7	11.2	438	1.54	10.3
REP AER22TS-3009	QC									<0.02											
AER22TS-3016	Till	447	22	12	5	18.3	99.91	4.19	0.79	<0.02	12.41	0.15	9.11	7.85	41.2	163	15.1	3.9	247	1.46	3.0
REP AER22TS-3016	QC							4.20													
AER22TS-3022	Till	257	26	13	13	9.4	99.90	1.71	1.29	0.02	1.48	1.11	30.78	15.75	94.1	266	37.6	15.6	546	2.65	11.3
REP AER22TS-3022	QC																				
AER22TS-3023	Till	254	21	7	11	21.0	99.92	4.81	1.04	<0.02	13.79	0.41	21.26	10.70	54.9	219	23.9	10.6	2164	1.83	5.7
REP AER22TS-3023	QC	235	21	11	11	21.0	99.93				13.80										
AER22TS-3035	Till	364	31	22	16	9.9	99.91	0.83	0.79	<0.02	0.10	0.87	30.65	12.34	83.7	54	30.9	8.1	245	2.98	9.7
REP AER22TS-3035	QC										0.12	0.88	30.90	12.35	82.8	48	31.0	8.1	242	2.97	9.3
AER22TS-3038	Till	231	23	15	11	11.9	99.91	2.23	1.11	<0.02	4.04	1.23	28.94	13.62	90.8	237	34.6	14.2	465	2.04	7.3
REP AER22TS-3038	QC																				
AER22TS-3045	Till	248	25	13	9	19.9	99.90	5.09	1.19	<0.02	14.27	0.87	18.83	10.49	75.8	343	22.6	7.2	473	1.53	6.5



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QUALITY CONTROL REPORT

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
AER22TS-1071	Till	0.7	1.3	3.4	60.3	0.41	0.34	0.12	25	7.86	0.064	11.8	13.5	1.33	294.2	0.003	3	1.02	0.007	0.11	<0.1
REP AER22TS-1071	QC	0.6	1.2	3.4	62.0	0.41	0.35	0.13	25	8.11	0.067	12.2	13.8	1.37	297.9	0.003	4	1.06	0.007	0.12	<0.1
AER22TS-1074	Till	1.3	1.6	3.0	240.5	0.45	0.35	0.10	22	9.84	0.058	12.4	11.5	1.66	420.3	0.005	4	0.99	0.023	0.13	<0.1
REP AER22TS-1074	QC																				
AER22TS-1079	Till	0.7	2.1	3.1	119.5	0.42	0.41	0.12	33	5.66	0.070	14.9	21.7	0.98	457.8	0.016	6	1.46	0.044	0.17	<0.1
REP AER22TS-1079	QC																				
AER22TS-1088	Till	0.9	1.3	3.6	103.5	0.34	0.35	0.14	33	5.17	0.076	16.6	20.7	0.93	286.4	0.009	7	1.30	0.010	0.19	<0.1
REP AER22TS-1088	QC																				
AER22TS-1093	Rock Pulp	0.4	39.1	3.2	35.7	0.49	0.20	0.15	26	0.64	0.052	26.2	33.5	0.50	63.8	0.082	2	0.85	0.095	0.12	<0.1
REP AER22TS-1093	QC																				
AER22TS-1094	Till	0.6	1.6	2.8	92.6	0.43	0.33	0.10	25	8.97	0.076	12.2	15.2	1.29	282.6	0.004	4	1.08	0.010	0.13	<0.1
REP AER22TS-1094	QC																				
AER22TS-1107	Till	1.0	2.3	7.3	70.4	0.40	0.55	0.27	43	3.66	0.075	21.1	31.5	0.84	374.8	0.015	5	1.74	0.009	0.15	<0.1
REP AER22TS-1107	QC	0.9	1.9	7.3	67.5	0.38	0.55	0.24	43	3.50	0.069	20.6	30.0	0.84	359.3	0.015	7	1.73	0.008	0.15	<0.1
AER22TS-3003	Till	0.7	<0.2	3.4	180.0	0.19	0.15	0.10	11	10.45	0.040	12.1	20.8	3.22	60.0	0.001	13	0.80	0.013	0.47	<0.1
REP AER22TS-3003	QC																				
AER22TS-3009	Till	1.0	0.7	5.1	71.2	1.23	1.90	0.15	34	4.70	0.098	14.2	20.8	1.48	721.8	0.002	5	1.02	0.006	0.17	<0.1
REP AER22TS-3009	QC																				
AER22TS-3016	Till	0.7	1.2	2.9	113.4	0.35	0.21	0.09	22	8.65	0.079	14.2	11.8	2.04	214.2	0.002	3	1.15	0.006	0.10	<0.1
REP AER22TS-3016	QC																				
AER22TS-3022	Till	0.7	1.8	4.3	22.4	0.36	0.38	0.23	43	1.23	0.071	10.0	24.8	0.79	341.2	0.002	4	1.77	0.008	0.20	<0.1
REP AER22TS-3022	QC																				
AER22TS-3023	Till	0.6	1.6	3.3	119.3	0.73	0.29	0.12	38	11.69	0.069	12.9	23.2	0.91	465.0	0.002	2	1.48	0.006	0.14	<0.1
REP AER22TS-3023	QC																				
AER22TS-3035	Till	0.9	2.8	7.3	36.8	0.10	0.37	0.23	41	0.55	0.061	17.7	33.1	0.53	297.7	0.002	1	2.40	0.005	0.20	<0.1
REP AER22TS-3035	QC	0.9	2.3	7.3	35.7	0.09	0.37	0.24	41	0.54	0.062	18.1	32.3	0.53	301.0	0.002	1	2.34	0.010	0.20	<0.1
AER22TS-3038	Till	1.0	2.1	5.2	59.2	0.66	0.56	0.19	33	3.22	0.082	14.1	22.7	1.02	374.7	0.005	3	1.39	0.008	0.15	<0.1
REP AER22TS-3038	QC																				
AER22TS-3045	Till	0.7	0.7	3.1	138.0	0.99	0.29	0.14	21	12.24	0.105	6.3	12.7	1.25	317.9	<0.001	3	0.71	0.010	0.11	<0.1



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QUALITY CONTROL REPORT

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		AQ251 Sc ppm 0.1	AQ251 Ti ppm 0.02	AQ251 S % 0.02	AQ251 Hg ppb 5	AQ251 Se ppm 0.1	AQ251 Te ppm 0.02	AQ251 Ga ppm 0.1	AQ251 Cs ppm 0.02	AQ251 Ge ppm 0.1	AQ251 Hf ppm 0.02	AQ251 Nb ppm 0.02	AQ251 Rb ppm 0.1	AQ251 Sn ppm 0.1	AQ251 Ta ppm 0.05	AQ251 Zr ppm 0.1	AQ251 Y ppm 0.01	AQ251 Ce ppm 0.1	AQ251 In ppm 0.02	AQ251 Re ppb 1	AQ251 Be ppm 0.1
AER22TS-1071	Till	3.1	0.17	<0.02	46	0.5	0.02	2.8	0.88	<0.1	0.08	0.14	9.3	0.4	<0.05	3.9	10.41	24.1	<0.02	<1	0.5
REP AER22TS-1071	QC	3.2	0.16	<0.02	42	0.4	0.03	2.9	0.92	<0.1	0.09	0.15	9.9	0.4	<0.05	4.1	10.72	24.2	<0.02	<1	0.6
AER22TS-1074	Till	2.4	0.17	0.03	62	0.5	0.04	2.8	0.99	<0.1	0.08	0.22	10.5	0.5	<0.05	3.4	9.72	24.7	<0.02	<1	0.5
REP AER22TS-1074	QC																				
AER22TS-1079	Till	3.6	0.24	0.11	81	0.5	0.03	4.2	1.16	<0.1	0.10	0.39	14.6	0.5	<0.05	4.4	11.15	29.2	0.02	2	0.6
REP AER22TS-1079	QC																				
AER22TS-1088	Till	3.5	0.19	0.03	43	0.4	0.04	3.8	0.92	<0.1	0.11	0.38	14.2	1.2	<0.05	4.6	11.90	33.0	0.02	<1	0.6
REP AER22TS-1088	QC																				
AER22TS-1093	Rock Pulp	3.2	0.08	0.05	15	0.1	0.02	2.7	1.13	<0.1	0.19	0.46	7.2	2.5	<0.05	6.5	6.06	44.0	0.04	<1	0.2
REP AER22TS-1093	QC																				
AER22TS-1094	Till	2.9	0.19	0.03	70	0.5	0.04	3.0	0.67	<0.1	0.08	0.28	10.7	0.5	<0.05	3.6	10.34	23.5	<0.02	<1	0.6
REP AER22TS-1094	QC																				
AER22TS-1107	Till	6.2	0.29	<0.02	72	0.2	0.04	5.9	1.84	<0.1	0.27	0.20	15.3	1.6	<0.05	11.3	13.69	42.8	0.05	<1	0.9
REP AER22TS-1107	QC	5.5	0.29	<0.02	66	0.1	0.04	5.6	1.79	<0.1	0.27	0.16	14.8	1.5	<0.05	10.5	12.81	40.9	0.04	<1	0.7
AER22TS-3003	Till	3.3	0.09	0.03	14	0.2	0.02	1.8	2.05	<0.1	0.08	<0.02	19.1	0.9	<0.05	3.1	9.28	23.2	0.02	<1	0.5
REP AER22TS-3003	QC																				
AER22TS-3009	Till	4.0	0.16	0.03	98	2.8	0.03	3.7	0.70	<0.1	0.23	0.24	11.9	1.7	<0.05	13.5	13.10	28.1	0.03	<1	1.0
REP AER22TS-3009	QC																				
AER22TS-3016	Till	2.3	0.15	0.02	14	0.3	0.02	3.7	1.09	<0.1	0.09	0.12	9.2	0.8	<0.05	2.7	9.92	27.1	<0.02	<1	0.4
REP AER22TS-3016	QC																				
AER22TS-3022	Till	6.1	0.19	0.02	95	0.4	0.06	5.2	1.84	<0.1	0.07	0.08	16.9	0.7	<0.05	3.1	13.02	23.1	0.04	<1	1.1
REP AER22TS-3022	QC																				
AER22TS-3023	Till	7.6	0.16	0.02	72	0.4	0.02	4.5	1.19	<0.1	0.07	0.11	10.4	0.6	<0.05	2.5	13.14	26.5	0.05	<1	0.6
REP AER22TS-3023	QC																				
AER22TS-3035	Till	7.6	0.17	<0.02	59	0.5	0.06	6.8	1.12	<0.1	0.06	0.12	14.5	0.8	<0.05	3.1	19.26	36.6	0.05	<1	1.0
REP AER22TS-3035	QC	7.7	0.17	<0.02	53	0.5	0.03	6.8	1.11	<0.1	0.06	0.11	14.2	0.9	<0.05	3.1	18.89	36.3	0.05	<1	1.0
AER22TS-3038	Till	4.9	0.21	<0.02	80	0.5	0.04	4.1	1.17	<0.1	0.14	0.12	13.1	0.6	<0.05	6.0	12.81	30.5	0.03	<1	0.7
REP AER22TS-3038	QC																				
AER22TS-3045	Till	4.1	0.14	0.02	86	0.7	0.04	2.0	0.90	<0.1	0.03	0.04	8.8	0.3	<0.05	1.3	14.19	13.5	0.03	<1	0.6



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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10
															2
AER22TS-1071	Till	8.3	3.07	12.99	2.74	0.56	2.56	0.32	1.82	0.32	0.84	0.10	0.61	0.08	<10
REP AER22TS-1071	QC	8.7	3.10	13.18	2.79	0.58	2.57	0.32	1.85	0.32	0.84	0.10	0.62	0.08	<10
AER22TS-1074	Till	10.8	3.12	12.75	2.54	0.52	2.36	0.29	1.70	0.29	0.78	0.10	0.59	0.08	<10
REP AER22TS-1074	QC														
AER22TS-1079	Till	12.7	3.62	14.88	3.00	0.59	2.71	0.35	2.06	0.36	0.96	0.12	0.80	0.11	<10
REP AER22TS-1079	QC														
AER22TS-1088	Till	13.0	4.03	16.12	3.30	0.64	2.99	0.38	2.18	0.39	1.02	0.13	0.77	0.11	<10
REP AER22TS-1088	QC														
AER22TS-1093	Rock Pulp	8.6	5.41	18.00	2.67	0.58	1.76	0.20	1.19	0.21	0.56	0.07	0.47	0.06	45
REP AER22TS-1093	QC														
AER22TS-1094	Till	8.3	3.01	12.36	2.59	0.54	2.41	0.31	1.81	0.31	0.81	0.10	0.60	0.08	<10
REP AER22TS-1094	QC														
AER22TS-1107	Till	18.4	5.05	19.94	4.18	0.86	4.04	0.51	2.72	0.48	1.33	0.18	1.11	0.16	<10
REP AER22TS-1107	QC	18.0	5.04	18.98	4.11	0.87	3.75	0.50	2.50	0.46	1.34	0.16	1.08	0.14	<10
AER22TS-3003	Till	16.4	3.17	11.96	2.48	0.49	2.44	0.32	1.62	0.31	0.87	0.10	0.66	0.10	<10
REP AER22TS-3003	QC														
AER22TS-3009	Till	12.4	3.99	15.71	3.54	0.80	3.45	0.46	2.49	0.45	1.15	0.12	0.76	0.10	<10
REP AER22TS-3009	QC														
AER22TS-3016	Till	10.8	3.82	14.23	3.08	0.66	2.75	0.35	1.92	0.31	0.82	0.11	0.61	0.07	<10
REP AER22TS-3016	QC														
AER22TS-3022	Till	17.7	3.34	13.85	3.65	0.89	3.89	0.51	2.79	0.46	1.16	0.14	0.76	0.11	<10
REP AER22TS-3022	QC														
AER22TS-3023	Till	11.7	4.01	16.45	3.86	0.91	3.42	0.50	2.58	0.42	1.13	0.14	0.82	0.10	<10
REP AER22TS-3023	QC														
AER22TS-3035	Till	17.8	5.86	25.12	5.99	1.37	5.78	0.74	3.88	0.62	1.50	0.17	0.92	0.11	<10
REP AER22TS-3035	QC	17.5	5.97	25.74	6.09	1.40	5.94	0.76	4.01	0.63	1.52	0.17	0.92	0.12	<10
AER22TS-3038	Till	11.4	3.73	16.03	3.47	0.72	3.23	0.42	2.37	0.40	1.04	0.13	0.76	0.10	<10
REP AER22TS-3038	QC														
AER22TS-3045	Till	7.8	2.04	9.95	2.79	0.65	3.17	0.43	2.43	0.41	1.06	0.12	0.69	0.09	<10



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		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
REP AER22TS-3045	QC																				
AER22TS-3052	Till	2.54	813	<1	7.9	2.4	9.0	11.8	11.0	55.4	1	191.1	0.9	10.1	2.9	72	1.4	489.9	27.5	31.9	64.4
REP AER22TS-3052	QC																				
AER22TS-3057	Till	2.33	972	<1	11.2	3.3	13.5	7.3	11.0	76.1	2	199.9	0.9	8.6	2.8	92	1.3	280.8	22.7	30.4	59.9
REP AER22TS-3057	QC		954	1	11.1	3.4	12.9	7.3	10.9	75.8	2	194.8	0.8	9.2	3.1	96	1.2	284.0	22.6	31.3	61.5
AER22TS-3058	Till	2.13	1025	<1	13.4	3.6	14.3	5.6	10.1	68.6	1	213.9	0.7	9.2	2.6	102	1.1	227.4	21.9	30.7	57.5
REP AER22TS-3058	QC																				
AER22TS-3071	Till	3.04	600	<1	9.3	2.8	10.8	6.0	8.2	57.0	1	216.5	0.6	7.1	2.5	100	0.9	248.9	20.6	23.7	44.5
REP AER22TS-3071	QC																				
AER22TS-3074	Till	2.81	722	3	8.0	3.6	13.8	6.5	10.6	64.0	2	180.8	0.6	9.1	2.5	93	0.9	255.5	24.3	30.1	54.9
REP AER22TS-3074	QC																				
AER22TS-3075	Till	1.89	953	<1	17.2	4.6	16.5	5.7	12.4	86.0	4	143.5	0.7	10.3	3.1	135	1.3	235.9	31.4	34.7	68.8
REP AER22TS-3075	QC		910	<1	16.7	4.7	15.7	5.7	12.3	82.7	3	137.0	0.8	9.7	3.3	133	1.5	228.1	29.5	35.5	67.2
AER22TS-3076	Till	2.29	863	2	18.6	4.6	14.3	6.4	11.1	80.2	5	132.0	0.7	8.9	3.0	126	1.0	233.0	24.5	30.2	57.0
REP AER22TS-3076	QC																				
AER22TS-3077	Till	1.94	753	4	15.9	5.6	15.4	5.9	11.6	86.3	3	101.9	0.7	9.5	2.9	151	0.9	239.4	29.2	34.7	61.3
REP AER22TS-3077	QC																				
Reference Materials																					
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
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		LF100 Pr ppm 0.02	LF100 Nd ppm 0.3	LF100 Sm ppm 0.05	LF100 Eu ppm 0.02	LF100 Gd ppm 0.05	LF100 Tb ppm 0.01	LF100 Dy ppm 0.05	LF100 Ho ppm 0.02	LF100 Er ppm 0.03	LF100 Tm ppm 0.01	LF100 Yb ppm 0.05	LF100 Lu ppm 0.01	AQ200 Mo ppm 0.1	AQ200 Cu ppm 0.1	AQ200 Pb ppm 0.1	AQ200 Zn ppm 1	AQ200 Ni ppm 0.1	AQ200 As ppm 0.5	AQ200 Cd ppm 0.1	AQ200 Sb ppm 0.1
REP AER22TS-3045	QC																				
AER22TS-3052	Till	7.44	28.3	5.28	1.05	4.98	0.73	4.39	0.96	2.90	0.42	2.88	0.47	0.7	17.4	10.5	56	19.9	12.9	0.2	0.4
REP AER22TS-3052	QC																				
AER22TS-3057	Till	6.85	25.7	4.56	1.02	4.40	0.66	3.81	0.81	2.39	0.35	2.32	0.35	0.6	20.5	10.4	73	31.7	7.5	0.2	0.2
REP AER22TS-3057	QC	6.90	25.7	4.81	1.07	4.39	0.66	3.89	0.77	2.50	0.37	2.35	0.36								
AER22TS-3058	Till	6.55	25.8	4.93	1.03	4.30	0.65	3.64	0.80	2.29	0.32	2.25	0.34	1.1	25.1	12.4	77	35.0	10.4	0.3	0.4
REP AER22TS-3058	QC																				
AER22TS-3071	Till	5.31	21.0	4.02	0.88	3.97	0.60	3.59	0.74	2.10	0.30	1.84	0.33	0.8	18.8	10.4	59	24.4	10.6	0.5	0.2
REP AER22TS-3071	QC													0.8	18.9	9.9	57	23.9	10.3	0.5	0.2
AER22TS-3074	Till	6.73	24.7	4.79	1.08	4.70	0.69	4.06	0.80	2.27	0.35	2.39	0.34	0.4	21.4	11.4	66	27.3	5.6	0.2	0.2
REP AER22TS-3074	QC																				
AER22TS-3075	Till	8.20	31.5	6.10	1.39	6.05	0.86	4.96	1.05	2.83	0.42	2.55	0.41	1.1	31.4	15.9	98	51.3	12.1	0.6	0.3
REP AER22TS-3075	QC	8.04	31.5	6.13	1.43	5.71	0.84	4.90	1.00	2.87	0.40	2.77	0.43								
AER22TS-3076	Till	6.79	24.1	4.84	1.06	4.65	0.71	3.94	0.80	2.48	0.37	2.50	0.38	1.1	31.6	21.6	93	49.4	7.7	0.6	0.2
REP AER22TS-3076	QC																				
AER22TS-3077	Till	7.81	30.9	5.69	1.32	5.36	0.80	4.72	1.00	2.76	0.40	2.62	0.40	1.2	34.2	18.5	101	45.3	15.9	0.4	0.2
REP AER22TS-3077	QC																				
Reference Materials																					
STD BVGE001	Standard													9.7	4334.8	175.7	1728	161.2	122.5	6.0	2.1
STD BVGE001	Standard													9.8	4310.8	174.6	1718	147.7	116.9	5.7	2.3
STD BVGE001	Standard													10.2	4479.1	166.5	1795	160.3	120.6	6.0	2.4
STD BVGE001	Standard													10.1	4373.1	162.9	1727	156.8	118.7	5.9	2.2
STD BVGE001	Standard													9.7	4409.2	183.9	1740	159.4	117.4	5.7	1.9
STD BVGE001	Standard													10.1	4458.7	179.0	1780	163.3	122.6	6.0	2.4
STD COO2	Standard																				
STD COO2	Standard																				
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		AQ200 Bi ppm 0.1	AQ200 Ag ppm 0.1	AQ200 Au ppb 0.5	AQ200 Hg ppm 0.01	AQ200 Tl ppm 0.1	AQ200 Se ppm 0.5	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Ba ppm 5	LF300 Ni ppm 20	LF300 Sr ppm 2
REP AER22TS-3045	QC																				
AER22TS-3052	Till	0.1	0.1	1.6	0.06	0.2	<0.5	71.98	9.26	3.55	1.55	3.04	1.45	1.85	0.65	0.19	0.05	0.009	779	<20	178
REP AER22TS-3052	QC																				
AER22TS-3057	Till	0.1	0.2	1.0	0.04	0.2	<0.5	65.78	12.51	4.21	1.32	2.02	1.43	2.07	0.66	0.16	0.09	0.010	940	32	187
REP AER22TS-3057	QC																				
AER22TS-3058	Till	0.2	0.1	1.5	0.06	0.2	<0.5	59.44	12.26	4.45	1.94	5.94	1.26	2.04	0.60	0.18	0.07	0.010	1014	37	203
REP AER22TS-3058	QC							59.54	12.19	4.46	1.93	5.93	1.26	2.04	0.60	0.18	0.07	0.011	1013	44	202
AER22TS-3071	Till	0.1	0.3	2.0	0.10	0.2	0.6	48.70	9.15	3.70	3.69	12.67	0.88	1.58	0.48	0.19	0.05	0.008	572	24	202
REP AER22TS-3071	QC	0.1	0.3	1.6	0.09	0.2	<0.5														
AER22TS-3074	Till	0.2	<0.1	1.5	0.06	0.2	<0.5	60.11	11.71	3.98	2.67	5.47	1.06	1.84	0.57	0.18	0.04	0.010	699	27	166
REP AER22TS-3074	QC																				
AER22TS-3075	Till	0.2	0.2	1.6	0.10	0.3	<0.5	64.60	14.02	5.05	1.65	1.41	1.01	2.33	0.65	0.22	0.11	0.012	883	51	128
REP AER22TS-3075	QC							64.66	13.96	5.06	1.65	1.42	1.01	2.32	0.64	0.22	0.11	0.012	887	52	129
AER22TS-3076	Till	0.2	0.2	1.9	0.08	0.3	0.5	60.82	12.24	4.37	2.10	4.54	0.67	2.05	0.60	0.22	0.10	0.011	829	43	119
REP AER22TS-3076	QC																				
AER22TS-3077	Till	0.2	0.2	1.7	0.13	0.3	0.7	60.94	13.23	4.93	2.16	3.25	0.40	2.13	0.61	0.21	0.08	0.012	744	49	93
REP AER22TS-3077	QC																				
Reference Materials																					
STD BVGE001	Standard	23.0	2.5	205.8	0.10	0.6	5.1														
STD BVGE001	Standard	22.8	2.4	203.2	0.09	0.6	4.9														
STD BVGE001	Standard	21.1	2.5	195.2	0.08	0.6	4.9														
STD BVGE001	Standard	20.6	2.5	186.1	0.08	0.5	4.9														
STD BVGE001	Standard	23.8	2.5	217.8	0.10	0.6	5.1														
STD BVGE001	Standard	23.6	2.6	213.5	0.10	0.6	5.4														
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				



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QUALITY CONTROL REPORT

VAN22003128.1

		LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
REP AER22TS-3045	QC									<0.02											
AER22TS-3052	Till	510	28	17	7	6.2	99.94	0.97	0.34	<0.02	2.26	0.76	17.28	11.62	56.4	126	19.3	6.8	309	2.02	13.4
REP AER22TS-3052	QC							0.97													
AER22TS-3057	Till	272	22	14	10	9.5	99.94	1.81	1.62	0.05	0.50	0.63	21.31	11.79	75.7	158	31.4	10.1	636	2.40	7.7
REP AER22TS-3057	QC																				
AER22TS-3058	Till	240	22	12	11	11.6	99.92	1.72	0.60	0.02	4.03	1.24	26.32	13.76	79.6	137	34.9	11.8	515	2.45	10.9
REP AER22TS-3058	QC	231	21	13	11	11.6	99.93														
AER22TS-3071	Till	243	20	12	8	18.7	99.91	4.46	1.27	<0.02	11.62	0.78	16.29	9.23	52.9	254	21.4	7.2	332	1.81	10.0
REP AER22TS-3071	QC										11.83										
AER22TS-3074	Till	252	22	16	10	12.1	99.92	2.03	0.78	<0.02	4.54	0.50	20.13	11.89	63.6	74	25.7	7.3	319	2.13	6.2
REP AER22TS-3074	QC									<0.02											
AER22TS-3075	Till	234	28	14	12	8.7	99.91	0.76	0.65	0.02	0.30	1.19	27.40	16.50	95.9	169	45.8	14.9	850	2.74	11.9
REP AER22TS-3075	QC	239	28	13	12	8.7	99.93														
AER22TS-3076	Till	232	23	13	11	12.1	99.92	2.10	1.10	0.02	3.60	1.14	25.46	19.97	85.4	198	39.9	16.3	724	2.30	7.6
REP AER22TS-3076	QC							2.11													
AER22TS-3077	Till	244	28	10	13	11.8	99.90	1.64	0.89	<0.02	2.69	1.28	27.69	18.01	89.1	236	37.4	13.3	579	2.63	15.4
REP AER22TS-3077	QC										2.59										
Reference Materials																					
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD COO2	Standard										3.55										
STD COO2	Standard										3.63										
STD COO2	Standard										3.63										
STD COO2	Standard										3.59										
STD COO2	Standard										3.69										



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QUALITY CONTROL REPORT

VAN22003128.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
REP AER22TS-3045	QC																				
AER22TS-3052	Till	0.8	1.5	5.6	35.2	0.20	0.67	0.13	28	1.69	0.075	17.4	17.0	0.74	194.4	0.024	3	0.83	0.009	0.09	<0.1
REP AER22TS-3052	QC																				
AER22TS-3057	Till	1.0	1.4	4.2	43.1	0.19	0.40	0.17	39	1.03	0.064	18.2	28.8	0.54	333.1	0.025	2	1.80	0.010	0.16	<0.1
REP AER22TS-3057	QC																				
AER22TS-3058	Till	1.0	2.0	5.9	77.7	0.33	0.66	0.18	38	3.78	0.075	17.6	29.3	0.85	405.1	0.017	3	1.62	0.010	0.17	<0.1
REP AER22TS-3058	QC																				
AER22TS-3071	Till	0.5	1.9	2.4	92.4	0.48	0.20	0.13	24	6.99	0.069	8.5	16.0	1.61	145.5	0.004	3	0.97	0.007	0.09	<0.1
REP AER22TS-3071	QC																				
AER22TS-3074	Till	0.7	2.3	5.2	51.0	0.20	0.25	0.15	31	3.29	0.074	14.8	22.0	1.24	211.0	0.005	<1	1.60	0.007	0.11	<0.1
REP AER22TS-3074	QC																				
AER22TS-3075	Till	0.9	2.9	7.0	25.7	0.54	0.47	0.20	38	0.80	0.084	18.3	26.8	0.62	266.5	0.005	<1	1.75	0.006	0.17	<0.1
REP AER22TS-3075	QC																				
AER22TS-3076	Till	0.8	2.4	6.0	45.4	0.55	0.40	0.17	35	2.92	0.094	13.9	22.9	0.91	336.2	0.004	2	1.47	0.007	0.17	<0.1
REP AER22TS-3076	QC																				
AER22TS-3077	Till	0.9	2.2	6.6	37.0	0.40	0.48	0.20	39	2.16	0.080	14.6	23.5	0.91	278.0	0.002	3	1.54	0.006	0.16	<0.1
REP AER22TS-3077	QC																				
Reference Materials																					
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD COO2	Standard																				
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QUALITY CONTROL REPORT

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		AQ251 Sc ppm 0.1	AQ251 Ti ppm 0.02	AQ251 S % 0.02	AQ251 Hg ppb 5	AQ251 Se ppm 0.1	AQ251 Te ppm 0.02	AQ251 Ga ppm 0.1	AQ251 Cs ppm 0.02	AQ251 Ge ppm 0.1	AQ251 Hf ppm 0.02	AQ251 Nb ppm 0.02	AQ251 Rb ppm 0.1	AQ251 Sn ppm 0.1	AQ251 Ta ppm 0.05	AQ251 Zr ppm 0.1	AQ251 Y ppm 0.01	AQ251 Ce ppm 0.1	AQ251 In ppm 0.02	AQ251 Re ppb 1	AQ251 Be ppm 0.1
REP AER22TS-3045	QC																				
AER22TS-3052	Till	2.9	0.23	0.02	75	0.3	0.03	2.8	0.97	<0.1	0.16	0.29	8.6	0.4	<0.05	8.7	10.90	35.7	<0.02	<1	0.5
REP AER22TS-3052	QC																				
AER22TS-3057	Till	4.7	0.18	<0.02	40	0.5	0.03	5.5	1.13	<0.1	0.11	0.52	18.9	0.8	<0.05	4.8	10.96	35.5	0.03	<1	0.7
REP AER22TS-3057	QC																				
AER22TS-3058	Till	5.2	0.27	<0.02	66	0.5	0.04	5.2	1.47	<0.1	0.25	0.20	14.5	0.6	<0.05	11.2	12.02	35.2	0.03	<1	0.7
REP AER22TS-3058	QC																				
AER22TS-3071	Till	3.6	0.20	<0.02	73	0.3	0.05	2.9	0.67	<0.1	0.05	0.14	8.7	0.6	<0.05	1.7	8.94	17.0	0.07	<1	0.5
REP AER22TS-3071	QC																				
AER22TS-3074	Till	4.5	0.21	<0.02	52	0.1	0.03	4.6	1.12	<0.1	0.15	0.11	11.7	1.1	<0.05	5.1	11.66	27.7	0.03	2	0.9
REP AER22TS-3074	QC																				
AER22TS-3075	Till	5.7	0.29	<0.02	92	0.1	0.03	5.8	1.46	<0.1	0.12	0.04	13.7	2.6	<0.05	4.8	14.89	39.1	0.05	<1	1.1
REP AER22TS-3075	QC																				
AER22TS-3076	Till	5.5	0.30	<0.02	74	0.2	0.04	4.4	1.31	<0.1	0.11	0.09	14.8	3.6	<0.05	5.9	11.70	30.1	0.04	1	0.5
REP AER22TS-3076	QC																				
AER22TS-3077	Till	6.2	0.31	<0.02	137	0.3	0.08	4.7	1.31	<0.1	0.10	0.06	14.5	2.3	<0.05	5.7	15.28	30.0	0.03	1	0.9
REP AER22TS-3077	QC																				
Reference Materials																					
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD BVGE001	Standard																				
STD COO2	Standard																				
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QUALITY CONTROL REPORT

VAN22003128.1

		AQ251 Li ppm 0.1	AQ251 Pr ppm 0.02	AQ251 Nd ppm 0.02	AQ251 Sm ppm 0.02	AQ251 Eu ppm 0.02	AQ251 Gd ppm 0.02	AQ251 Tb ppm 0.02	AQ251 Dy ppm 0.02	AQ251 Ho ppm 0.02	AQ251 Er ppm 0.02	AQ251 Tm ppm 0.02	AQ251 Yb ppm 0.02	AQ251 Lu ppm 0.02	AQ251 Pd ppb 10	AQ251 Pt ppb 2
REP AER22TS-3045	QC															
AER22TS-3052	Till	8.7	4.24	17.31	3.49	0.64	2.99	0.38	2.14	0.38	1.01	0.13	0.80	0.11	<10	<2
REP AER22TS-3052	QC															
AER22TS-3057	Till	14.3	4.19	17.07	3.37	0.68	2.97	0.38	2.17	0.38	1.03	0.13	0.81	0.11	<10	<2
REP AER22TS-3057	QC															
AER22TS-3058	Till	15.3	4.17	17.24	3.52	0.70	3.12	0.40	2.30	0.40	1.09	0.13	0.86	0.11	<10	<2
REP AER22TS-3058	QC															
AER22TS-3071	Till	10.2	2.29	9.78	2.47	0.51	2.65	0.34	1.76	0.34	0.83	0.09	0.57	0.07	<10	<2
REP AER22TS-3071	QC															
AER22TS-3074	Till	11.2	3.62	15.41	3.38	0.72	3.38	0.42	2.33	0.40	0.97	0.12	0.82	0.11	<10	<2
REP AER22TS-3074	QC															
AER22TS-3075	Till	15.0	4.75	20.82	4.94	0.97	4.55	0.56	3.53	0.53	1.48	0.17	1.18	0.16	<10	3
REP AER22TS-3075	QC															
AER22TS-3076	Till	12.6	3.66	15.98	3.58	0.82	3.54	0.42	2.61	0.43	1.14	0.14	0.84	0.09	<10	<2
REP AER22TS-3076	QC															
AER22TS-3077	Till	12.7	4.07	18.26	4.06	0.95	4.22	0.56	3.18	0.57	1.55	0.20	0.99	0.14	<10	<2
REP AER22TS-3077	QC															
Reference Materials																
STD BVGE001	Standard															
STD BVGE001	Standard															
STD BVGE001	Standard															
STD BVGE001	Standard															
STD BVGE001	Standard															
STD BVGE001	Standard															
STD COO2	Standard															
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QUALITY CONTROL REPORT

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		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
STD COO2	Standard																				
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STD COO2	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
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STD DS11	Standard																				
STD GGC-09	Standard																				
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QUALITY CONTROL REPORT

VAN22003128.1

		LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251		
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	
STD COO2	Standard											3.69										
STD COO2	Standard											3.56										
STD COO2	Standard											3.70										
STD COO2	Standard											3.61										
STD COO2	Standard											3.66										
STD COO2	Standard											3.61										
STD COO2	Standard											3.70										
STD COO2	Standard											3.64										
STD COO2	Standard											3.55										
STD COO2	Standard											3.61										
STD COO2	Standard											3.60										
STD COO2	Standard											3.60										
STD DS11	Standard											15.05	148.24	138.42	343.0	1803	80.0	14.4	1046	3.19	44.0	
STD DS11	Standard											14.33	153.16	138.87	359.4	1770	83.7	14.3	1068	3.20	45.8	
STD DS11	Standard											14.55	145.19	134.38	344.2	1756	77.1	13.8	1034	3.16	43.7	
STD DS11	Standard											14.45	145.30	136.56	352.4	1696	78.3	14.1	1028	3.13	45.2	
STD DS11	Standard											15.34	150.42	142.02	335.2	1962	81.6	14.9	1083	3.20	45.5	
STD DS11	Standard											13.73	141.91	140.17	328.1	1694	76.1	12.4	1038	3.10	42.0	
STD GGC-09	Standard											2.43										
STD GGC-09	Standard											2.26										
STD GGC-09	Standard											2.27										
STD GGC-09	Standard											2.42										
STD GGC-09	Standard											2.36										
STD GGC-09	Standard											2.46										
STD GGC-09	Standard											2.51										
STD GGC-09	Standard											2.40										
STD GGC-09	Standard											2.42										
STD GGC-09	Standard											2.46										
STD GGC-09	Standard											2.44										



Bureau Veritas Commodities Canada Ltd.

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QUALITY CONTROL REPORT

VAN22003128.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
STD COO2	Standard																				
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STD COO2	Standard																				
STD DS11	Standard	2.5	105.6	7.5	71.6	2.29	7.40	11.00	52	1.09	0.069	19.6	59.9	0.86	407.9	0.104	7	1.23	0.081	0.42	2.9
STD DS11	Standard	2.5	69.6	7.5	67.5	2.31	7.35	11.41	47	1.10	0.073	17.9	61.3	0.88	371.0	0.096	7	1.17	0.078	0.41	3.0
STD DS11	Standard	2.5	78.4	7.6	69.0	2.22	7.43	11.03	50	1.09	0.071	18.5	59.4	0.86	373.5	0.099	7	1.20	0.077	0.41	2.9
STD DS11	Standard	2.4	77.0	7.5	66.6	2.33	7.89	11.50	50	1.10	0.072	17.3	59.4	0.84	369.8	0.091	7	1.14	0.076	0.39	2.8
STD DS11	Standard	2.8	87.5	8.4	68.9	2.51	7.91	12.32	52	1.10	0.074	20.2	63.7	0.87	407.1	0.100	7	1.22	0.081	0.41	3.0
STD DS11	Standard	2.4	68.3	8.4	61.2	2.16	6.53	11.48	49	1.07	0.069	17.2	57.6	0.84	365.1	0.090	6	1.16	0.077	0.40	2.9
STD GGC-09	Standard																				
STD GGC-09	Standard																				
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QUALITY CONTROL REPORT

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
STD COO2	Standard																				
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STD COO2	Standard																				
STD COO2	Standard																				
STD DS11	Standard	3.3	4.94	0.29	264	2.5	4.96	5.0	2.82	<0.1	0.08	1.77	35.6	1.8	<0.05	3.4	9.27	39.9	0.23	46	0.7
STD DS11	Standard	3.2	4.94	0.29	249	2.6	4.92	5.0	2.82	<0.1	0.07	1.63	34.8	1.7	<0.05	3.3	8.30	37.0	0.23	48	0.7
STD DS11	Standard	3.3	4.83	0.29	256	2.6	4.88	5.0	2.78	<0.1	0.08	1.68	34.2	1.7	<0.05	3.4	8.52	37.6	0.23	44	0.7
STD DS11	Standard	3.1	4.78	0.29	271	2.5	4.96	4.8	2.69	<0.1	0.07	1.68	34.3	1.8	<0.05	3.2	8.15	34.7	0.23	44	0.7
STD DS11	Standard	3.4	5.05	0.29	262	2.4	4.88	5.5	3.17	<0.1	0.09	1.83	35.8	2.0	<0.05	3.6	8.66	39.6	0.30	48	0.6
STD DS11	Standard	3.1	4.94	0.29	308	2.5	4.65	4.9	2.72	<0.1	0.05	1.67	32.2	1.6	<0.05	2.6	7.63	34.9	0.22	43	1.0
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GGC-09	Standard																				
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STD GGC-09	Standard																				



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QUALITY CONTROL REPORT

VAN22003128.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10
STD COO2	Standard														
STD COO2	Standard														
STD COO2	Standard														
STD COO2	Standard														
STD COO2	Standard														
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STD COO2	Standard														
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STD COO2	Standard														
STD COO2	Standard														
STD DS11	Standard	23.3	4.12	15.71	2.76	0.52	2.25	0.28	1.69	0.30	0.85	0.12	0.79	0.11	95
STD DS11	Standard	22.7	3.77	14.80	2.65	0.49	2.12	0.27	1.58	0.28	0.81	0.11	0.74	0.10	103
STD DS11	Standard	22.3	3.87	15.21	2.71	0.51	2.20	0.28	1.61	0.29	0.84	0.11	0.76	0.11	103
STD DS11	Standard	24.0	3.63	14.05	2.49	0.46	2.05	0.27	1.50	0.27	0.76	0.10	0.70	0.10	101
STD DS11	Standard	24.9	4.47	15.88	2.88	0.59	2.52	0.30	1.76	0.31	0.90	0.12	0.88	0.13	91
STD DS11	Standard	22.1	3.61	13.94	2.63	0.51	2.34	0.30	1.77	0.30	0.72	0.10	0.76	0.12	102
STD GGC-09	Standard														
STD GGC-09	Standard														
STD GGC-09	Standard														
STD GGC-09	Standard														
STD GGC-09	Standard														
STD GGC-09	Standard														
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STD GGC-09	Standard														



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This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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QUALITY CONTROL REPORT

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		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard													0.6	118.6	53.2	153	65.5	36.5	0.6	2.1
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard													0.6	110.4	53.3	148	61.6	35.7	0.6	2.8
STD OREAS262	Standard													0.7	118.1	53.3	160	67.4	39.3	0.6	3.0
STD OREAS262	Standard													0.6	112.2	50.3	151	62.5	37.9	0.6	2.3
STD OREAS262	Standard													0.6	118.4	54.5	160	63.5	36.9	0.6	2.3
STD OREAS262	Standard													0.6	115.6	54.7	158	63.5	36.9	0.6	3.3
STD OREAS279	Standard																				
STD SO-19	Standard	18.65	72.8	12.65	3.45	9.85	1.35	6.83	1.27	3.63	0.49	3.33	0.49								
STD SO-19	Standard	18.59	72.4	12.71	3.50	10.60	1.35	6.76	1.31	3.82	0.51	3.18	0.47								



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QUALITY CONTROL REPORT

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		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	MnO	Cr ₂ O ₃	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard	0.9	0.5	48.1	0.16	0.4	0.7														
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard	0.9	0.5	55.0	0.18	0.4	0.8														
STD OREAS262	Standard	0.9	0.5	56.2	0.16	0.4	0.6														
STD OREAS262	Standard	0.8	0.5	47.1	0.15	0.4	0.6														
STD OREAS262	Standard	0.9	0.5	55.0	0.16	0.4	0.6														
STD OREAS262	Standard	0.9	0.5	59.5	0.18	0.5	0.7														
STD OREAS279	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				



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		LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	
STD GGC-09	Standard	2.45																				
STD GGC-09	Standard	2.46																				
STD GS311-1	Standard	1.00																				
STD GS311-1	Standard	1.01																				
STD GS311-1	Standard	0.96																				
STD GS311-1	Standard	1.02																				
STD GS910-4	Standard	2.61																				
STD GS910-4	Standard	2.44																				
STD GS910-4	Standard	2.57																				
STD GS910-4	Standard	2.59																				
STD OREAS279	Standard	1.13																				
STD OREAS279	Standard	1.13																				
STD OREAS279	Standard	1.11																				
STD OREAS279	Standard	1.12																				
STD OREAS262	Standard												0.60	111.86	54.68	153.5	453	63.1	26.1	530	3.25	35.1
STD OREAS262	Standard																					
STD OREAS262	Standard												0.61	115.09	54.71	155.6	460	62.6	27.6	539	3.26	36.7
STD OREAS262	Standard												0.66	117.19	56.68	154.2	483	63.0	27.4	542	3.30	36.9
STD OREAS262	Standard												0.62	114.34	57.25	161.6	471	63.3	27.9	533	3.26	37.6
STD OREAS262	Standard												0.67	109.65	60.76	149.6	525	65.0	27.8	558	3.38	38.0
STD OREAS262	Standard												0.57	106.46	56.47	149.5	474	60.1	27.0	547	3.28	36.4
STD OREAS262	Standard																					
STD OREAS262	Standard																					
STD OREAS262	Standard																					
STD OREAS262	Standard																					
STD OREAS262	Standard																					
STD OREAS279	Standard	3.12																				
STD SO-19	Standard																					
STD SO-19	Standard																					



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QUALITY CONTROL REPORT

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
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STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard	1.1	50.8	8.7	34.5	0.61	3.85	0.90	22	2.87	0.038	17.3	45.2	1.16	243.0	0.003	5	1.39	0.068	0.32	0.2
STD OREAS262	Standard																				
STD OREAS262	Standard	1.1	49.7	8.9	34.4	0.60	3.62	0.91	20	2.97	0.038	15.3	43.2	1.18	241.2	0.003	4	1.25	0.069	0.30	0.2
STD OREAS262	Standard	1.2	61.9	9.3	36.0	0.61	4.53	0.95	22	2.99	0.039	18.2	44.5	1.20	254.7	0.003	4	1.35	0.068	0.32	0.2
STD OREAS262	Standard	1.2	49.4	9.0	35.5	0.66	3.64	0.97	22	2.99	0.038	16.0	42.7	1.17	247.9	0.003	4	1.29	0.068	0.30	0.1
STD OREAS262	Standard	1.3	56.6	9.9	35.7	0.71	3.85	1.10	23	3.05	0.044	19.9	47.5	1.23	277.2	0.004	5	1.43	0.071	0.34	0.2
STD OREAS262	Standard	1.1	52.5	10.3	32.2	0.60	3.01	0.96	22	2.94	0.040	16.4	40.3	1.17	249.9	0.003	5	1.28	0.070	0.31	0.2
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS279	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				



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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
STD GGC-09	Standard																				
STD GGC-09	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD GS910-4	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS279	Standard																				
STD OREAS262	Standard	3.1	0.46	0.27	166	0.5	0.21	3.9	2.42	<0.1	0.28	<0.02	19.9	0.5	<0.05	12.5	11.24	35.5	0.03	<1	1.1
STD OREAS262	Standard																				
STD OREAS262	Standard	3.1	0.45	0.27	169	0.7	0.27	3.8	2.30	<0.1	0.30	<0.02	17.7	0.5	<0.05	12.5	11.04	30.5	0.03	<1	1.2
STD OREAS262	Standard	3.2	0.48	0.27	172	0.7	0.24	4.0	2.94	<0.1	0.31	<0.02	20.6	0.5	<0.05	13.3	11.17	36.6	0.03	<1	1.2
STD OREAS262	Standard	3.0	0.45	0.27	178	0.5	0.23	3.9	2.34	<0.1	0.30	0.03	19.2	0.5	<0.05	13.1	11.34	32.3	0.03	<1	1.0
STD OREAS262	Standard	3.3	0.51	0.28	184	0.5	0.22	4.4	3.00	<0.1	0.29	<0.02	21.3	0.6	<0.05	11.7	11.45	39.4	0.04	1	1.3
STD OREAS262	Standard	3.4	0.45	0.27	158	0.3	0.25	3.9	2.34	<0.1	0.29	<0.02	17.7	0.5	<0.05	9.8	10.18	34.0	0.04	<1	1.3
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS279	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				



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QUALITY CONTROL REPORT

VAN22003128.1

		AQ251 Li ppm 0.1	AQ251 Pr ppm 0.02	AQ251 Nd ppm 0.02	AQ251 Sm ppm 0.02	AQ251 Eu ppm 0.02	AQ251 Gd ppm 0.02	AQ251 Tb ppm 0.02	AQ251 Dy ppm 0.02	AQ251 Ho ppm 0.02	AQ251 Er ppm 0.02	AQ251 Tm ppm 0.02	AQ251 Yb ppm 0.02	AQ251 Lu ppm 0.02	AQ251 Pd ppb 10	AQ251 Pt ppb 2
STD GGC-09	Standard															
STD GGC-09	Standard															
STD GS311-1	Standard															
STD GS311-1	Standard															
STD GS311-1	Standard															
STD GS311-1	Standard															
STD GS910-4	Standard															
STD GS910-4	Standard															
STD GS910-4	Standard															
STD GS910-4	Standard															
STD OREAS279	Standard															
STD OREAS279	Standard															
STD OREAS279	Standard															
STD OREAS279	Standard															
STD OREAS262	Standard	17.0	4.00	16.03	3.34	0.63	2.91	0.37	2.13	0.37	1.02	0.14	0.84	0.12	<10	<2
STD OREAS262	Standard															
STD OREAS262	Standard	17.3	3.49	14.42	3.16	0.61	2.86	0.36	2.11	0.37	1.04	0.13	0.84	0.12	<10	<2
STD OREAS262	Standard	16.6	4.15	16.71	3.55	0.67	3.10	0.39	2.29	0.40	1.11	0.14	0.89	0.12	<10	<2
STD OREAS262	Standard	16.7	3.72	14.88	3.23	0.62	2.89	0.39	2.18	0.38	1.05	0.13	0.85	0.12	<10	<2
STD OREAS262	Standard	18.9	4.71	17.92	3.68	0.75	3.63	0.44	2.52	0.43	1.17	0.15	0.99	0.14	<10	<2
STD OREAS262	Standard	16.0	3.93	16.12	3.40	0.67	3.19	0.39	2.30	0.43	1.04	0.15	0.89	0.11	<10	<2
STD OREAS262	Standard															
STD OREAS262	Standard															
STD OREAS262	Standard															
STD OREAS262	Standard															
STD OREAS262	Standard															
STD OREAS262	Standard															
STD OREAS279	Standard															
STD SO-19	Standard															
STD SO-19	Standard															



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QUALITY CONTROL REPORT

VAN22003128.1

		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		436	16	22.6	4.5	15.2	3.1	62.4	18.6	17	291.7	4.8	13.2	18.6	156	9.1	105.2	34.3	65.3	145.5
STD SO-19	Standard		455	21	22.7	4.4	16.3	3.0	64.4	19.5	18	302.9	5.0	13.3	18.3	158	9.8	108.5	34.4	66.2	144.9
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		486	18	23.1	4.2	16.7	3.1	67.9	19.6	19	316.1	4.8	12.9	19.5	161	10.0	111.6	35.1	71.1	157.8
STD SO-19	Standard		481	18	23.4	4.5	17.2	2.9	68.8	20.0	19	330.6	4.5	13.0	18.8	168	9.9	117.5	36.1	71.7	161.8
STD SO-19	Standard		485	23	23.3	4.6	17.5	3.3	69.8	20.6	19	337.6	5.0	13.3	19.6	171	10.9	118.0	37.3	74.3	163.8
STD SO-19	Standard		477	18	22.8	4.2	16.7	3.0	69.1	19.6	20	308.4	4.9	13.1	19.9	160	10.5	113.8	35.4	71.1	157.2
STD SO-19	Standard		499	14	23.7	4.6	17.1	3.1	70.3	19.6	22	324.8	4.8	13.1	20.4	157	10.0	118.7	38.8	74.2	165.9
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		489	19	23.9	4.7	17.4	3.2	70.6	20.4	20	334.0	5.0	13.8	20.2	171	10.8	120.1	40.3	76.6	169.1
STD SO-19	Standard		507	16	22.6	4.5	16.7	3.1	69.3	20.5	19	336.1	4.9	13.5	20.7	165	10.4	118.0	39.3	76.0	167.9
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS910-4 Expected																					
STD GS311-1 Expected																					
STD DS11 Expected																					
STD SO-19 Expected			486	20	24	4.5	17.5	3.1	68.5	19.5	19	317.1	4.9	13	19.4	165	9.8	112	35.5	71.3	161
STD GGC-09 Expected																					
STD BVGEO01 Expected																					



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QUALITY CONTROL REPORT

VAN22003128.1

		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	18.78	73.1	12.71	3.49	10.03	1.30	7.02	1.31	3.62	0.51	3.42	0.52								
STD SO-19	Standard	18.61	71.9	12.51	3.49	10.06	1.32	7.11	1.29	3.59	0.50	3.30	0.48								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	19.55	76.6	12.83	3.58	10.27	1.37	7.20	1.35	3.72	0.56	3.44	0.54								
STD SO-19	Standard	19.36	75.9	13.09	3.57	10.23	1.32	7.18	1.33	3.76	0.51	3.42	0.50								
STD SO-19	Standard	20.18	79.5	13.47	3.77	11.05	1.39	7.60	1.37	3.83	0.55	3.55	0.51								
STD SO-19	Standard	19.45	76.1	13.19	3.73	10.22	1.33	7.51	1.41	3.87	0.53	3.40	0.54								
STD SO-19	Standard	20.14	77.6	13.57	3.73	10.69	1.42	7.58	1.39	3.80	0.54	3.45	0.50								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	20.48	78.2	13.92	3.76	10.52	1.44	7.60	1.41	4.11	0.55	3.53	0.53								
STD SO-19	Standard	20.37	78.0	13.78	3.85	10.68	1.44	7.73	1.49	4.32	0.57	3.62	0.51								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS910-4 Expected																					
STD GS311-1 Expected																					
STD DS11 Expected																					
STD SO-19 Expected		19.4	75.7	13.7	3.81	10.53	1.41	7.5	1.39	3.78	0.55	3.55	0.53								
STD GGC-09 Expected																					
STD BVGE001 Expected														10.8	4415	187	1712	163	121	6.25	2.2



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QUALITY CONTROL REPORT

VAN22003128.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	MnO	Cr ₂ O ₃	Ba	Ni	Sr		
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm		
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2		
STD SO-19	Standard							60.73	13.89	7.44	2.89	5.92	3.95	1.28	0.70	0.32	0.13	0.489	474	467	313		
STD SO-19	Standard							60.37	14.07	7.53	2.93	5.87	3.97	1.31	0.70	0.34	0.13	0.512	483	484	317		
STD SO-19	Standard							60.66	13.82	7.50	2.91	5.91	3.99	1.28	0.71	0.33	0.13	0.497	478	479	311		
STD SO-19	Standard							60.68	13.76	7.58	2.90	5.86	3.99	1.29	0.70	0.33	0.13	0.496	487	494	314		
STD SO-19	Standard																						
STD SO-19	Standard							60.59	13.89	7.42	2.90	5.92	4.07	1.29	0.70	0.32	0.13	0.494	472	463	314		
STD SO-19	Standard							60.42	13.95	7.48	2.92	6.01	4.00	1.29	0.70	0.32	0.13	0.510	483	482	315		
STD SO-19	Standard																						
STD SO-19	Standard																						
STD SO-19	Standard																						
STD SO-19	Standard							60.72	13.80	7.52	2.91	5.91	3.95	1.28	0.70	0.33	0.13	0.491	477	473	313		
STD SO-19	Standard							60.44	13.83	7.58	2.91	6.01	4.02	1.29	0.70	0.33	0.13	0.487	474	463	314		
STD SO-19	Standard							60.73	13.87	7.36	2.91	5.90	4.06	1.28	0.70	0.33	0.13	0.484	462	451	308		
STD SO-19	Standard							60.66	13.91	7.32	2.91	5.93	4.10	1.30	0.69	0.31	0.13	0.488	465	451	309		
STD SO-19	Standard							60.33	14.06	7.43	2.93	5.94	4.06	1.31	0.70	0.33	0.13	0.507	481	485	315		
STD SO-19	Standard							60.49	14.06	7.47	2.91	5.88	3.98	1.29	0.69	0.33	0.13	0.498	477	474	315		
STD SO-19	Standard																						
STD SO-19	Standard							60.81	13.84	7.39	2.87	5.93	3.99	1.27	0.69	0.31	0.13	0.480	470	452	313		
STD SO-19	Standard							60.70	13.94	7.38	2.89	5.94	4.01	1.27	0.69	0.31	0.13	0.482	469	449	315		
STD GS910-4 Expected																							
STD GS311-1 Expected																							
STD DS11 Expected																							
STD SO-19 Expected								61.13	13.95	7.47	2.88	6	4.11	1.29	0.69	0.32	0.13	0.5	486	470	317.1		
STD GGC-09 Expected																							
STD BVGE001 Expected		24.3	2.53	214	0.1	0.62	4.84																



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QUALITY CONTROL REPORT

VAN22003128.1

		LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
STD SO-19	Standard	121	35	72	27	1.9	99.86														
STD SO-19	Standard	123	36	72	27	1.9	99.86														
STD SO-19	Standard	124	35	77	27	1.9	99.85														
STD SO-19	Standard	122	36	75	27	1.9	99.85														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	122	35	75	27	1.9	99.85														
STD SO-19	Standard	124	35	80	27	1.9	99.85														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	122	35	75	27	1.9	99.87														
STD SO-19	Standard	120	34	73	27	1.9	99.86														
STD SO-19	Standard	119	34	73	26	1.9	99.87														
STD SO-19	Standard	123	34	70	26	1.9	99.87														
STD SO-19	Standard	124	36	73	27	1.9	99.85														
STD SO-19	Standard	124	36	76	27	1.9	99.86														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	123	34	72	27	1.9	99.84														
STD SO-19	Standard	120	34	70	27	1.9	99.87														
STD GS910-4 Expected								2.65													
STD GS311-1 Expected								1.02													
STD DS11 Expected												14.6	149	138	345	1710	77.7	14.2	1055	3.1	42.8
STD SO-19 Expected		112	35.5	68.5	27																
STD GGC-09 Expected								2.41													
STD BVGE001 Expected																					



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QUALITY CONTROL REPORT

VAN22003128.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS910-4 Expected																					
STD GS311-1 Expected																					
STD DS11 Expected		2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9
STD SO-19 Expected																					
STD GGC-09 Expected																					
STD BVGEO01 Expected																					



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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
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STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD GS910-4 Expected																					
STD GS311-1 Expected																					
STD DS11 Expected		3.4	4.9	0.2835	260	2.2	4.56	5.1	2.88	0.08	0.06	1.53	33.6	1.8		3.1	7.82	37	0.24	50	0.67
STD SO-19 Expected																					
STD GGC-09 Expected																					
STD BVGEO01 Expected																					



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Report Date: March 07, 2023

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QUALITY CONTROL REPORT

VAN22003128.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Li	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
		0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
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STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD SO-19	Standard														
STD GS910-4 Expected															
STD GS311-1 Expected															
STD DS11 Expected		23.3	4	14.9	2.68	0.54	2.22	0.29	1.57	0.29	0.81	0.11	0.75	0.11	100
STD SO-19 Expected															
STD GGC-09 Expected															
STD BVGE001 Expected															



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MINERAL LABORATORIES
Canada

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Palmer

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QUALITY CONTROL REPORT

VAN22003128.1

		WGHT	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
STD OREAS262 Expected																					
STD COO2 Expected																					
STD OREAS279 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	1	<1	0.3	<0.1	<0.5	<0.1	<0.1	0.5	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.3	<0.1	<0.1	<0.1	
BLK	Blank																				
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.1	<0.1	<0.1	<0.1	
BLK	Blank																				
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.8	<0.1	<0.1	<0.1	
BLK	Blank																				
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.2	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1	
BLK	Blank																				
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BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.3	<0.1	<0.1	<0.1	



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QUALITY CONTROL REPORT

VAN22003128.1

		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
STD OREAS262 Expected														0.68	118	56	154	62	35.8	0.61	3.39
STD COO2 Expected																					
STD OREAS279 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01	<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								



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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
		ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
		0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1
STD OREAS262 Expected		1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2
STD COO2 Expected																					
STD OREAS279 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1
BLK	Blank	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1
BLK	Blank	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1
BLK	Blank	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1
BLK	Blank																				

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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251		
		Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	
		ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
		0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.1	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1
STD OREAS262 Expected		3.24	0.47	0.253	170	0.4	0.23	4.1	2.8		0.27		18.6	0.5		11.7	11.2	32	0.033		1.14	
STD COO2 Expected																						
STD OREAS279 Expected																						
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
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BLK	Blank																					
BLK	Blank	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	
BLK	Blank																					
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BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	
BLK	Blank	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	
BLK	Blank	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	
BLK	Blank	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	
BLK	Blank																					



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VAN22003128.1

		LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	LF100	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
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BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
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QUALITY CONTROL REPORT

VAN22003128.1

		AQ200	AQ200	AQ200	AQ200	AQ200	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
		Bi	Ag	Au	Hg	Tl	Se	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	MnO	Cr ₂ O ₃	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
		0.1	0.1	0.5	0.01	0.1	0.5	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2
BLK	Blank							<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank							<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank							0.05	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank																				
BLK	Blank																				
BLK	Blank							<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
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QUALITY CONTROL REPORT

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		LF300	LF300	LF300	LF300	LF300	LF300	TC000	TC005	TC005	TC006	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	TOT/C	C/ORG	C/GRA	CO2	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As
		ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm
		5	3	5	1	-5.1	0.01	0.02	0.02	0.02	0.08	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank	<5	<3	<5	<1	0.0	0.05														
BLK	Blank										<0.01	<0.01	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	
BLK	Blank																				
BLK	Blank										<0.08										
BLK	Blank	<5	<3	<5	<1	0.0	0.01														
BLK	Blank									<0.02											
BLK	Blank										<0.08										
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BLK	Blank										<0.08										
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