



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

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 13, 2022
Report Date: March 07, 2023
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CERTIFICATE OF ANALYSIS

VAN22003126.1

CLIENT JOB INFORMATION

Project: AER
Shipment ID: 3302036051
P.O. Number: 2207801
Number of Samples: 261

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.

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

CC: Dean Meek

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	234	Dry at 60C sieve 100g to -230 mesh			VAN
SLBHP	27	Sort, label and box pulps			VAN
LF100-EXT	261	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN
LF300	261	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.2	Completed	VAN
AQ251_EXT_REE	260	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS


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			
					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
AERCL227001	Pulp DUP				898	<1	13.5	3.3	14.9	11.2	9.3	63.7	<1	178.9	0.7	9.9	2.8	132	1.2	464.7	25.3	33.7	64.5	
AERCL227002	Stream		2.43		821	1	15.7	3.2	13.4	8.7	10.0	62.8	1	182.6	0.8	7.1	2.6	119	1.3	359.1	21.3	26.7	53.6	
AERCL227003	Stream		3.21		822	<1	15.1	2.5	11.6	10.6	9.7	61.5	1	183.9	0.5	12.7	3.9	92	3.4	422.3	29.9	41.6	84.4	
AERCL227004	Stream		1.98		676	<1	8.1	2.6	10.1	10.0	10.1	55.2	1	167.1	0.6	7.0	2.3	87	1.2	424.3	18.9	24.8	49.3	
AERCL227005	Stream		2.75		866	<1	14.1	4.2	16.5	8.0	8.8	65.6	1	170.0	0.4	7.6	2.4	147	1.2	329.7	22.3	28.3	52.8	
AERCL227006	Stream		2.98		982	1	13.6	3.4	15.0	9.3	9.1	64.0	1	181.5	0.5	8.7	2.8	131	1.3	387.6	23.0	30.2	57.8	
AERCL227007	Stream		2.81		511	3	8.3	1.8	8.8	28.2	12.3	50.8	1	127.2	0.8	15.8	4.1	60	1.3	1190.3	32.7	46.6	93.9	
AERCL227008	Stream		3.04		723	<1	8.3	1.7	7.8	28.1	11.9	44.6	9	151.0	0.8	22.5	4.2	59	1.2	1226.9	32.9	66.3	128.0	
AERCL227009	Stream		2.03		593	<1	5.0	2.7	8.3	13.1	10.0	49.4	<1	106.7	0.8	9.3	2.7	71	1.1	539.4	20.6	29.7	59.4	
AERCL227010	Stream		2.63		580	3	8.4	3.2	9.7	11.5	11.0	54.9	1	121.7	0.7	8.9	3.4	81	0.8	483.7	23.8	31.1	61.8	
AERCL227011	Rock Pulp		0.06		491	3	50.8	1.9	12.9	4.3	16.1	37.3	6	414.6	0.3	3.7	0.6	55	<0.5	164.9	11.1	33.0	55.7	
AERCL227012	Stream		2.45		646	<1	7.9	2.1	9.2	13.4	9.3	49.9	1	163.9	0.6	9.0	2.4	63	1.0	531.9	23.0	28.9	57.7	
AERCL227013	Stream		1.51		544	<1	10.2	3.5	10.9	9.5	11.2	70.9	1	128.9	0.8	7.9	2.7	89	0.8	394.1	22.2	28.4	55.2	
AERCL227014	Stream		2.57		626	3	9.7	3.3	11.6	15.8	13.2	68.2	2	134.7	0.9	11.0	3.2	98	3.7	630.8	29.4	38.6	71.1	
AERCL227015	Stream		2.70		893	3	12.3	2.4	8.6	10.7	9.2	52.1	11	163.1	0.5	8.9	2.5	73	0.9	429.2	22.6	32.0	61.0	
AERCL227016	Stream		2.25		562	4	12.4	2.6	9.6	14.6	11.7	58.7	<1	114.1	0.8	9.5	3.2	84	0.8	577.1	25.0	34.3	66.0	
AERCL227017	Stream		2.63		641	<1	10.4	2.8	10.2	14.2	11.1	57.7	3	162.5	0.7	10.1	2.8	84	1.4	561.9	24.9	33.9	69.3	
AERCL227018	Stream		1.30		386	<1	3.3	3.4	9.4	7.5	9.6	55.8	<1	110.9	0.5	7.1	2.6	70	1.0	294.8	15.6	24.1	46.5	
AERCL227019	Stream		2.15		776	6	7.2	5.1	12.6	15.8	15.5	80.6	2	143.9	1.0	11.6	4.8	140	1.5	657.2	28.8	38.6	75.9	
AERCL227020	Stream		2.34		505	4	5.8	3.6	10.7	11.4	11.4	60.4	1	126.6	0.7	8.9	3.0	81	1.1	470.0	21.6	30.8	58.6	
AERCL227021	Pulp DUP				800	2	17.1	3.3	14.1	10.3	10.4	67.5	3	186.7	0.6	8.4	2.8	134	1.3	403.2	23.7	30.6	58.2	
AERCL227022	Stream		2.14		703	<1	15.4	2.8	11.2	14.0	11.8	61.2	1	152.8	0.6	9.6	3.7	104	1.0	544.9	25.6	32.5	64.6	
AERCL227023	Stream		2.30		686	<1	12.5	3.3	12.6	10.7	11.2	67.2	1	186.4	0.6	8.9	3.0	99	0.9	425.3	22.2	28.5	57.5	
AERCL227024	Stream		2.51		762	<1	16.3	3.7	14.6	9.0	9.6	66.5	1	179.5	0.5	8.2	2.8	124	1.1	372.3	22.9	27.8	54.9	
AERCL227025	Stream		2.44		796	<1	16.3	3.3	14.8	9.7	9.8	65.8	1	181.7	0.7	10.1	2.7	130	0.7	397.7	24.0	32.5	63.4	
AERCL227026	Rock Pulp		0.06		489	<1	52.6	2.1	13.5	4.1	16.5	36.5	6	410.2	0.3	3.8	0.9	65	<0.5	156.1	11.2	33.5	58.5	
AERCL227027	Stream		2.47		823	6	11.3	4.5	15.7	8.3	12.0	85.0	5	167.8	0.8	11.6	2.9	142	1.5	330.2	27.9	36.2	69.8	
AERCL227028	Stream		2.51		589	<1	10.2	2.9	11.2	26.5	14.0	64.1	2	137.5	0.9	13.6	4.3	94	1.0	1064.7	34.2	44.2	86.0	
AERCL227029	Stream		2.79		561	3	9.1	3.0	9.7	18.5	13.6	62.9	2	120.4	0.9	11.9	3.8	89	1.6	792.6	34.6	35.5	70.7	
AERCL227030	Stream		2.41		584	<1	10.6	2.3	9.8	15.9	11.3	55.8	3	155.7	0.7	10.4	2.6	67	1.1	667.8	29.9	34.4	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
AERCL227001	Pulp DUP	7.68	29.9	5.26	1.14	4.99	0.74	4.54	0.93	2.68	0.35	2.78	0.42	0.3	24.0	9.8	79	29.0	6.8	0.2	0.2
AERCL227002	Stream	6.14	23.6	4.23	0.98	4.33	0.62	4.09	0.76	2.38	0.34	2.39	0.34	0.4	21.7	8.6	84	28.5	5.1	0.2	0.2
AERCL227003	Stream	9.75	36.7	6.74	1.45	6.69	0.99	5.67	1.16	3.50	0.45	3.04	0.46	2.1	16.9	15.6	81	26.6	19.5	0.3	0.5
AERCL227004	Stream	5.78	20.8	3.97	0.86	3.86	0.54	3.42	0.63	2.07	0.30	2.14	0.35	0.2	13.9	6.7	60	18.8	3.0	0.2	0.2
AERCL227005	Stream	6.24	23.8	4.59	1.07	4.46	0.69	4.09	0.81	2.43	0.36	2.52	0.36	0.5	29.9	10.3	88	36.0	7.6	0.3	0.2
AERCL227006	Stream	6.70	25.9	5.02	1.07	4.86	0.70	3.96	0.85	2.39	0.35	2.44	0.37	0.5	27.1	10.8	90	32.8	7.9	0.2	0.2
AERCL227007	Stream	10.67	39.6	7.26	1.07	6.16	0.86	5.28	1.11	3.38	0.55	3.74	0.61	0.9	7.5	12.0	43	10.7	7.3	0.1	0.3
AERCL227008	Stream	14.52	54.8	9.04	1.23	7.24	0.99	5.60	1.12	3.40	0.51	3.62	0.60	0.8	4.5	7.5	74	9.1	16.3	0.2	0.2
AERCL227009	Stream	6.46	24.9	4.12	0.75	3.92	0.59	3.85	0.82	2.49	0.38	2.57	0.39	0.6	5.1	5.8	50	6.6	8.7	0.3	<0.1
AERCL227010	Stream	7.17	26.8	4.92	0.98	4.52	0.70	4.32	0.82	2.56	0.38	2.65	0.47	0.7	9.5	8.5	68	12.8	10.3	0.4	0.2
AERCL227011	Rock Pulp	6.64	24.6	3.99	0.98	2.93	0.39	2.34	0.38	1.15	0.17	1.03	0.15	11.6	148.5	286.3	204	77.4	9.9	0.6	0.2
AERCL227012	Stream	6.49	24.9	4.52	0.83	4.27	0.64	4.07	0.83	2.58	0.35	2.68	0.40	0.7	9.2	6.4	54	10.9	46.2	0.2	0.1
AERCL227013	Stream	6.07	22.2	4.24	0.83	3.80	0.59	3.78	0.77	2.62	0.37	2.51	0.38	0.2	6.7	9.1	62	7.8	4.8	0.2	<0.1
AERCL227014	Stream	8.43	31.3	5.58	1.00	5.45	0.78	4.68	1.01	3.04	0.43	3.34	0.51	1.3	11.9	11.7	80	16.9	7.9	0.3	0.3
AERCL227015	Stream	6.98	26.5	4.84	0.84	4.28	0.63	3.69	0.82	2.37	0.35	2.51	0.38	1.8	10.7	14.5	67	14.2	149.7	0.3	0.3
AERCL227016	Stream	7.52	28.1	5.20	0.88	4.64	0.71	4.08	0.86	2.90	0.42	2.83	0.46	0.9	8.1	9.0	99	12.0	7.2	0.5	0.3
AERCL227017	Stream	7.67	28.6	5.36	0.98	4.83	0.74	4.57	0.94	2.87	0.40	2.79	0.44	1.9	9.4	10.9	54	14.1	25.8	0.3	0.3
AERCL227018	Stream	5.21	19.6	3.49	0.65	2.93	0.44	2.83	0.60	1.84	0.28	1.83	0.29	0.3	5.9	6.5	55	6.1	1.4	0.4	<0.1
AERCL227019	Stream	8.49	31.3	5.70	1.01	4.92	0.77	4.81	1.04	3.23	0.49	3.31	0.52	3.6	17.5	13.4	76	14.7	10.9	0.3	0.3
AERCL227020	Stream	6.70	24.4	4.16	0.80	3.83	0.60	3.72	0.79	2.44	0.41	2.61	0.43	0.3	7.5	8.2	46	9.1	1.8	0.1	<0.1
AERCL227021	Pulp DUP	6.88	26.9	4.85	1.06	4.77	0.69	4.46	0.87	2.56	0.39	2.59	0.42	0.5	19.0	11.9	100	30.8	8.9	0.2	0.2
AERCL227022	Stream	7.20	27.0	5.20	1.02	4.68	0.71	4.22	0.90	2.76	0.41	2.97	0.46	0.7	14.5	9.6	79	22.0	5.9	0.3	0.2
AERCL227023	Stream	6.51	24.7	4.48	0.89	4.12	0.61	3.70	0.78	2.30	0.35	2.52	0.37	0.3	11.5	11.2	76	17.5	6.2	0.3	<0.1
AERCL227024	Stream	6.39	24.2	4.53	1.07	4.56	0.69	4.16	0.86	2.63	0.37	2.47	0.40	0.6	20.3	11.9	104	32.7	11.0	0.2	0.2
AERCL227025	Stream	7.17	28.4	5.12	1.03	4.83	0.71	4.30	0.94	2.76	0.40	2.79	0.43	0.6	19.7	11.0	101	30.8	8.7	0.3	0.3
AERCL227026	Rock Pulp	6.73	24.1	3.50	0.98	2.98	0.39	2.24	0.42	1.15	0.17	1.02	0.16	12.9	157.4	285.8	212	80.6	10.1	0.5	0.2
AERCL227027	Stream	8.53	33.9	6.30	1.26	5.23	0.84	4.77	0.94	2.88	0.43	2.87	0.45	4.6	24.7	13.7	78	26.7	32.9	0.2	0.2
AERCL227028	Stream	10.45	38.5	6.75	1.21	5.91	0.95	5.77	1.21	3.78	0.60	4.11	0.68	0.4	13.0	9.6	60	17.8	4.8	0.2	0.1
AERCL227029	Stream	8.47	33.1	5.66	1.12	5.58	0.89	5.49	1.16	3.63	0.56	4.04	0.64	0.8	11.9	9.7	60	14.8	6.8	0.2	0.2
AERCL227030	Stream	8.01	30.0	5.38	0.97	4.73	0.77	4.55	0.94	3.01	0.46	3.13	0.50	0.6	7.2	7.1	52	10.2	12.7	0.2	<0.1



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		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
AERCL227001	Pulp DUP	<0.1	0.1	1.0	0.04	0.1	<0.5	62.81	13.36	5.28	1.76	2.41	1.30	1.97	0.80	0.22	0.13	0.019	860	36	176
AERCL227002	Stream	0.1	<0.1	2.0	0.04	0.1	0.5	65.35	12.96	4.83	1.35	1.28	1.25	1.80	0.78	0.17	0.14	0.019	839	33	182
AERCL227003	Stream	<0.1	<0.1	<0.5	0.03	0.2	1.0	68.77	9.49	6.20	1.26	1.95	1.01	1.80	0.59	0.34	0.09	0.010	787	28	174
AERCL227004	Stream	<0.1	<0.1	1.8	0.04	0.1	<0.5	69.48	10.32	3.50	0.92	1.12	1.16	1.64	0.66	0.18	0.07	0.012	695	21	164
AERCL227005	Stream	0.1	<0.1	0.6	0.05	0.1	<0.5	59.92	14.49	6.03	1.92	2.45	1.17	2.00	0.79	0.22	0.12	0.016	895	37	163
AERCL227006	Stream	<0.1	0.1	2.2	0.05	0.2	<0.5	59.74	13.58	5.93	1.89	2.92	1.21	1.96	0.79	0.23	0.15	0.016	1004	38	177
AERCL227007	Stream	<0.1	<0.1	0.7	0.02	0.2	<0.5	76.92	7.54	3.52	0.67	0.91	0.86	1.48	0.71	0.19	0.06	0.009	518	<20	120
AERCL227008	Stream	<0.1	<0.1	<0.5	0.02	0.1	<0.5	67.29	8.13	8.55	0.78	1.50	1.19	1.63	0.74	0.51	0.20	0.008	776	<20	161
AERCL227009	Stream	<0.1	<0.1	<0.5	0.02	0.2	<0.5	69.99	7.71	5.90	0.56	0.90	0.66	1.33	0.60	0.33	0.12	0.008	597	<20	106
AERCL227010	Stream	0.1	<0.1	<0.5	0.04	0.2	0.7	63.85	8.77	6.00	0.77	1.14	0.67	1.41	0.59	0.36	0.09	0.008	602	<20	118
AERCL227011	Rock Pulp	0.1	0.1	34.6	0.02	<0.1	<0.5	71.91	12.19	4.03	1.73	3.33	3.45	1.45	0.38	0.13	0.07	0.015	472	91	405
AERCL227012	Stream	<0.1	<0.1	<0.5	0.03	<0.1	<0.5	64.83	7.63	9.35	0.81	1.70	0.75	1.44	0.55	0.80	0.13	0.007	648	<20	158
AERCL227013	Stream	<0.1	<0.1	<0.5	0.04	0.1	<0.5	70.68	9.90	3.73	0.76	0.79	0.76	1.66	0.67	0.20	0.18	0.009	574	<20	126
AERCL227014	Stream	0.1	<0.1	<0.5	0.04	0.3	0.7	72.49	10.13	4.12	0.86	0.82	0.73	1.80	0.74	0.20	0.09	0.011	640	<20	130
AERCL227015	Stream	<0.1	<0.1	<0.5	0.03	0.1	0.7	54.72	7.65	12.28	0.85	2.41	0.56	1.26	0.52	1.49	0.32	0.008	910	<20	159
AERCL227016	Stream	<0.1	<0.1	<0.5	0.06	0.3	0.6	70.24	8.15	3.14	0.60	0.68	0.65	1.40	0.63	0.20	0.15	0.007	560	<20	111
AERCL227017	Stream	0.1	<0.1	<0.5	0.03	0.2	<0.5	62.34	8.76	8.17	0.87	1.76	0.54	1.42	0.63	0.47	0.51	0.007	654	<20	152
AERCL227018	Stream	<0.1	<0.1	<0.5	0.02	0.1	<0.5	55.27	8.33	2.25	0.68	1.06	0.55	1.33	0.52	0.14	0.06	0.007	396	<20	108
AERCL227019	Stream	0.2	0.2	1.5	0.08	0.4	0.5	71.47	11.20	4.20	0.89	0.64	0.73	2.10	0.80	0.19	0.06	0.014	777	21	140
AERCL227020	Stream	<0.1	<0.1	<0.5	0.03	0.1	<0.5	70.11	9.27	2.51	0.67	0.79	0.77	1.59	0.65	0.14	0.07	0.009	522	<20	126
AERCL227021	Pulp DUP	0.1	<0.1	<0.5	0.06	0.2	<0.5	63.45	13.53	5.80	1.47	1.28	1.15	1.84	0.80	0.22	0.07	0.019	785	38	180
AERCL227022	Stream	<0.1	<0.1	<0.5	0.04	0.1	<0.5	69.34	11.18	4.54	1.04	1.00	1.00	1.66	0.75	0.17	0.15	0.013	681	24	145
AERCL227023	Stream	<0.1	<0.1	0.5	0.06	0.1	<0.5	66.55	11.57	4.49	1.14	1.34	1.02	1.61	0.72	0.19	0.10	0.011	711	<20	182
AERCL227024	Stream	<0.1	<0.1	1.8	0.03	0.2	<0.5	63.35	13.46	5.92	1.46	1.27	1.11	1.83	0.79	0.24	0.06	0.015	779	36	177
AERCL227025	Stream	0.1	<0.1	<0.5	0.04	0.2	<0.5	63.50	13.45	5.81	1.47	1.26	1.15	1.85	0.79	0.22	0.07	0.016	785	38	179
AERCL227026	Rock Pulp	0.1	0.1	35.2	0.01	<0.1	<0.5	72.05	12.03	3.98	1.70	3.29	3.38	1.42	0.38	0.13	0.07	0.015	465	88	399
AERCL227027	Stream	0.1	0.1	1.2	0.04	0.2	0.7	64.52	12.88	6.10	1.80	1.75	0.94	2.12	0.69	0.21	0.04	0.013	772	28	152
AERCL227028	Stream	<0.1	<0.1	<0.5	0.02	0.2	0.6	74.66	9.73	3.43	0.89	0.92	0.98	1.77	0.79	0.19	0.05	0.013	596	24	131
AERCL227029	Stream	0.1	<0.1	1.6	0.03	0.2	0.8	75.62	8.99	3.74	0.90	0.92	0.81	1.72	0.73	0.18	0.05	0.010	567	21	117
AERCL227030	Stream	<0.1	<0.1	0.9	0.04	0.1	<0.5	65.73	7.89	5.36	0.73	1.44	0.74	1.42	0.58	0.41	0.40	0.009	580	<20	148



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Method	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
MDL	5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERCL227001	Pulp DUP	524	23	9	13	9.7	99.91	0.43	26.20	10.10	83.5	103	32.3	12.0	893	2.74	6.6	0.8	1.3	4.6
AERCL227002	Stream	391	22	10	13	9.8	99.91	0.36	22.13	8.09	83.2	85	29.4	13.9	1084	2.48	5.2	0.9	1.6	3.5
AERCL227003	Stream	500	32	12	10	8.2	99.91	2.11	17.86	16.72	80.0	88	28.3	14.3	703	3.88	20.0	2.3	1.6	7.5
AERCL227004	Stream	421	24	9	9	10.7	99.94	0.24	13.52	6.36	56.7	68	18.7	7.9	510	1.77	3.0	0.9	0.9	3.9
AERCL227005	Stream	332	24	8	15	10.6	99.90	0.52	32.76	9.69	92.5	113	37.9	13.8	855	3.23	7.6	0.8	1.3	4.6
AERCL227006	Stream	363	23	10	14	11.3	99.90	0.50	28.18	10.53	88.8	111	34.7	13.1	1002	2.99	7.5	0.9	2.0	4.8
AERCL227007	Stream	1167	30	15	7	6.8	99.95	1.18	8.41	13.52	46.2	53	12.1	9.9	445	2.06	8.9	1.5	0.7	6.8
AERCL227008	Stream	1156	35	12	8	9.1	99.94	0.70	4.38	6.88	71.2	51	10.3	6.6	1296	4.56	14.8	1.3	86.5	10.7
AERCL227009	Stream	599	23	9	7	11.7	99.95	0.61	5.46	5.06	50.3	56	6.9	3.9	872	3.49	8.6	0.8	<0.2	4.0
AERCL227010	Stream	470	24	9	8	16.1	99.94	0.77	10.06	7.99	72.0	86	13.4	7.8	620	3.48	10.3	1.5	0.9	4.1
AERCL227011	Rock Pulp	155	11	18	9	1.1	99.87	12.02	155.21	270.47	208.1	101	78.1	49.0	279	1.60	9.4	0.4	37.8	3.0
AERCL227012	Stream	557	23	8	7	11.8	99.95	0.91	7.18	5.90	52.9	49	11.2	6.8	910	5.63	43.8	0.7	0.6	4.0
AERCL227013	Stream	406	22	14	9	10.5	99.94	0.18	7.28	8.49	65.5	73	8.8	9.7	1403	1.89	4.8	0.9	0.6	3.7
AERCL227014	Stream	632	31	15	9	7.8	99.93	1.36	12.63	10.21	78.0	91	16.9	11.0	645	2.09	7.5	1.5	0.7	5.1
AERCL227015	Stream	444	23	11	7	17.7	99.94	1.74	10.26	12.25	68.4	65	15.3	11.6	2440	7.71	138.2	0.9	1.0	4.3
AERCL227016	Stream	599	24	12	7	13.9	99.93	1.13	8.33	8.43	96.1	81	12.6	12.2	1204	1.67	6.8	1.4	0.6	2.8
AERCL227017	Stream	537	27	10	8	14.3	99.94	1.73	9.37	9.80	50.6	57	15.3	9.4	3889	4.72	25.3	0.9	1.0	4.4
AERCL227018	Stream	286	16	10	7	29.7	99.96	0.23	6.16	5.89	55.6	54	7.2	2.9	403	1.01	1.2	1.0	0.5	1.7
AERCL227019	Stream	704	30	20	11	7.4	99.93	3.23	17.89	12.02	72.3	142	15.5	7.0	445	2.22	10.0	2.1	1.1	5.9
AERCL227020	Stream	472	21	14	8	13.2	99.94	0.22	7.32	7.23	41.4	56	9.4	4.8	472	1.18	1.5	1.0	0.6	3.2
AERCL227021	Pulp DUP	431	23	13	13	10.1	99.92	0.63	19.30	10.79	94.2	81	30.7	15.2	435	2.88	8.5	1.1	53.6	5.0
AERCL227022	Stream	565	25	13	10	8.9	99.93	0.65	14.34	8.89	74.6	73	22.8	14.1	1111	2.38	5.7	1.3	2.7	3.8
AERCL227023	Stream	422	23	13	11	11.0	99.93	0.30	11.85	8.74	74.3	78	18.2	11.5	757	2.30	5.9	1.2	1.6	3.5
AERCL227024	Stream	378	25	11	13	10.2	99.92	0.65	21.26	10.08	98.9	102	34.2	16.0	444	3.13	10.0	1.1	15.6	4.4
AERCL227025	Stream	409	23	12	13	10.2	99.91	0.67	19.87	10.99	97.7	79	32.0	15.9	445	2.99	8.4	1.1	9.2	5.4
AERCL227026	Rock Pulp	156	11	17	9	1.3	99.86	12.13	154.29	262.33	207.3	100	79.5	49.6	279	1.62	9.0	0.4	35.2	3.0
AERCL227027	Stream	314	26	18	12	8.7	99.90	4.60	22.59	12.85	70.5	106	22.8	8.0	258	2.94	30.6	0.8	1.5	6.4
AERCL227028	Stream	1110	35	18	10	6.3	99.94	0.42	12.96	9.26	62.0	79	18.1	9.0	298	1.57	4.8	1.3	1.9	7.4
AERCL227029	Stream	802	31	15	8	6.1	99.95	0.91	10.95	9.12	58.4	88	13.8	8.0	312	1.74	6.8	1.2	0.7	5.8
AERCL227030	Stream	630	25	15	7	15.1	99.96	0.60	6.82	7.06	53.5	52	9.9	8.6	2966	3.02	13.9	0.7	<0.2	4.2



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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			
					Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
					ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
					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	0.1	0.02	0.02	5
AERCL227001	Pulp DUP	0.21	0.30	0.15	35	1.37	0.085	15.0	27.0	0.68	277.2	0.010	8	1.33	0.024	0.13	<0.1	5.6	0.12	0.04	50			
AERCL227002	Stream	0.21	0.23	0.12	33	0.63	0.067	13.5	25.4	0.49	256.1	0.010	4	1.30	0.009	0.10	<0.1	5.1	0.13	0.08	52			
AERCL227003	Stream	0.33	0.55	0.13	33	0.98	0.159	25.3	22.3	0.46	289.7	0.014	8	0.87	0.016	0.12	0.2	3.7	0.20	0.22	42			
AERCL227004	Stream	0.15	0.16	0.09	22	0.50	0.076	14.3	17.3	0.31	158.9	0.008	5	0.89	0.006	0.08	<0.1	3.2	0.12	0.07	46			
AERCL227005	Stream	0.25	0.32	0.15	41	1.47	0.090	15.1	31.0	0.74	300.1	0.009	8	1.65	0.025	0.16	<0.1	6.9	0.11	0.04	50			
AERCL227006	Stream	0.25	0.33	0.14	39	1.55	0.089	16.1	29.3	0.72	361.8	0.011	8	1.44	0.025	0.15	<0.1	6.1	0.13	0.05	48			
AERCL227007	Stream	0.18	0.40	0.11	22	0.31	0.087	22.7	12.9	0.20	105.4	0.010	4	0.66	0.007	0.08	<0.1	2.0	0.19	0.07	33			
AERCL227008	Stream	0.21	0.29	0.06	20	0.49	0.189	29.9	14.5	0.22	261.7	0.016	4	0.64	0.007	0.07	<0.1	1.9	0.15	0.06	23			
AERCL227009	Stream	0.22	0.09	0.07	20	0.43	0.138	13.1	10.6	0.14	211.1	0.004	5	0.66	0.004	0.06	<0.1	1.8	0.17	0.11	30			
AERCL227010	Stream	0.41	0.18	0.12	28	0.59	0.150	16.0	15.5	0.23	202.7	0.005	7	0.90	0.006	0.08	<0.1	2.6	0.21	0.28	45			
AERCL227011	Rock Pulp	0.49	0.19	0.14	24	0.59	0.052	24.1	31.9	0.50	59.7	0.070	2	0.81	0.095	0.11	<0.1	3.0	0.08	0.04	15			
AERCL227012	Stream	0.18	0.16	0.08	20	0.91	0.326	14.5	13.6	0.28	274.7	0.008	8	0.70	0.009	0.10	<0.1	2.0	0.12	0.08	25			
AERCL227013	Stream	0.16	0.08	0.11	21	0.37	0.081	14.8	14.7	0.20	135.9	0.004	6	0.87	0.006	0.08	<0.1	2.5	0.14	0.05	36			
AERCL227014	Stream	0.34	0.26	0.15	24	0.38	0.076	17.8	14.8	0.26	171.6	0.006	6	0.82	0.007	0.12	<0.1	2.6	0.22	0.19	42			
AERCL227015	Stream	0.21	0.31	0.10	26	1.41	0.619	16.0	15.5	0.30	602.8	0.007	9	0.85	0.007	0.10	<0.1	2.4	0.15	0.11	36			
AERCL227016	Stream	0.62	0.29	0.11	26	0.30	0.079	18.5	12.5	0.17	184.1	0.004	6	0.82	0.007	0.09	<0.1	1.8	0.27	0.07	46			
AERCL227017	Stream	0.25	0.28	0.12	26	1.03	0.185	16.9	14.6	0.28	285.4	0.005	9	0.88	0.012	0.11	<0.1	2.6	0.17	0.15	37			
AERCL227018	Stream	0.29	0.09	0.07	14	0.62	0.053	9.5	12.1	0.20	70.9	0.003	8	0.70	0.015	0.08	<0.1	1.7	0.11	0.50	46			
AERCL227019	Stream	0.20	0.31	0.22	27	0.31	0.074	14.2	16.0	0.23	197.5	0.005	9	0.74	0.020	0.13	<0.1	3.1	0.28	0.47	77			
AERCL227020	Stream	0.13	0.09	0.09	16	0.38	0.051	12.0	12.6	0.18	92.3	0.003	7	0.74	0.008	0.08	<0.1	2.1	0.13	0.24	42			
AERCL227021	Pulp DUP	0.21	0.46	0.12	34	0.62	0.088	16.2	23.2	0.46	206.5	0.008	5	1.13	0.010	0.13	<0.1	4.7	0.15	0.04	51			
AERCL227022	Stream	0.25	0.21	0.13	28	0.48	0.066	16.2	19.1	0.34	179.9	0.007	4	1.01	0.007	0.10	<0.1	3.3	0.13	0.06	41			
AERCL227023	Stream	0.20	0.17	0.10	29	0.66	0.075	14.5	21.1	0.39	197.4	0.007	5	1.23	0.012	0.10	<0.1	3.8	0.12	0.05	40			
AERCL227024	Stream	0.23	0.38	0.13	35	0.65	0.093	16.3	27.5	0.50	224.3	0.009	5	1.30	0.010	0.14	<0.1	5.1	0.15	0.04	49			
AERCL227025	Stream	0.21	0.49	0.13	36	0.64	0.087	17.4	24.9	0.48	221.1	0.010	5	1.20	0.010	0.14	<0.1	4.8	0.15	0.04	43			
AERCL227026	Rock Pulp	0.48	0.17	0.14	24	0.59	0.053	23.9	32.4	0.50	58.4	0.073	2	0.82	0.096	0.11	<0.1	3.0	0.08	0.04	14			
AERCL227027	Stream	0.28	0.24	0.16	37	0.92	0.074	17.6	22.1	0.66	220.9	0.010	6	1.20	0.009	0.18	<0.1	4.6	0.17	<0.02	38			
AERCL227028	Stream	0.18	0.20	0.13	22	0.35	0.079	19.5	14.2	0.26	110.3	0.008	6	0.73	0.007	0.10	<0.1	3.5	0.14	0.13	34			
AERCL227029	Stream	0.22	0.24	0.11	21	0.39	0.066	17.8	11.9	0.28	123.4	0.009	6	0.65	0.006	0.10	<0.1	2.8	0.18	0.20	29			
AERCL227030	Stream	0.22	0.16	0.09	19	0.79	0.166	15.8	12.1	0.24	201.5	0.005	7	0.73	0.006	0.08	<0.1	2.1	0.13	0.14	45			



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		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERCL227001	Pulp DUP	0.6	0.04	4.7	1.07	<0.1	0.16	0.19	13.0	0.5	<0.05	7.4	11.07	31.2	0.03	<1	0.6	18.2	3.80	15.24	3.19
AERCL227002	Stream	0.5	0.03	4.6	0.85	<0.1	0.11	0.27	12.4	0.5	<0.05	5.5	10.30	27.2	0.03	<1	0.6	15.1	3.35	13.42	2.85
AERCL227003	Stream	1.0	0.04	2.8	0.69	<0.1	0.10	0.46	10.8	1.3	<0.05	6.1	18.94	52.8	0.02	4	0.9	12.1	6.51	25.04	5.00
AERCL227004	Stream	0.5	<0.02	3.0	0.62	<0.1	0.13	0.34	9.8	0.4	<0.05	5.9	8.96	28.9	<0.02	1	0.5	9.9	3.52	13.84	2.78
AERCL227005	Stream	0.6	0.04	5.7	1.19	<0.1	0.19	0.14	15.6	0.5	<0.05	8.5	12.39	30.8	0.04	1	0.7	20.9	3.84	15.67	3.32
AERCL227006	Stream	0.6	0.05	5.1	1.19	<0.1	0.15	0.19	15.1	0.5	<0.05	7.4	11.85	32.8	0.03	2	0.6	19.1	4.04	16.15	3.38
AERCL227007	Stream	0.5	0.03	2.2	0.65	<0.1	0.03	0.33	10.4	0.3	<0.05	1.7	9.19	48.4	<0.02	1	0.5	7.9	5.48	20.53	3.74
AERCL227008	Stream	0.4	<0.02	1.9	0.55	<0.1	0.03	0.46	8.0	0.3	<0.05	1.6	10.26	61.6	<0.02	1	0.4	8.4	7.19	25.65	4.55
AERCL227009	Stream	0.5	<0.02	2.2	0.74	<0.1	0.04	0.27	10.0	0.3	<0.05	2.3	5.91	26.7	<0.02	3	0.4	7.3	3.12	11.83	2.21
AERCL227010	Stream	0.9	0.02	2.8	0.61	<0.1	0.07	0.49	10.7	0.9	<0.05	3.8	9.90	31.9	<0.02	5	0.6	11.1	3.86	14.91	2.96
AERCL227011	Rock Pulp	0.3	<0.02	2.8	1.13	<0.1	0.18	0.41	6.8	2.2	<0.05	5.8	5.35	41.1	0.04	<1	0.2	8.6	4.85	16.74	2.49
AERCL227012	Stream	0.4	0.03	2.3	0.58	<0.1	0.04	0.38	9.9	0.6	<0.05	2.1	7.45	30.0	<0.02	2	0.4	8.1	3.50	13.37	2.52
AERCL227013	Stream	0.3	<0.02	3.0	0.76	<0.1	0.04	0.29	15.6	0.7	<0.05	2.2	6.57	31.4	0.02	<1	0.4	10.8	3.56	13.49	2.60
AERCL227014	Stream	0.9	0.04	2.8	0.78	<0.1	0.07	0.27	13.6	0.5	<0.05	4.1	10.32	36.4	0.02	5	0.6	10.9	4.29	16.38	3.21
AERCL227015	Stream	0.7	0.02	2.6	0.55	<0.1	0.06	0.36	11.7	7.4	<0.05	2.8	9.90	33.5	<0.02	4	0.6	9.9	3.94	15.25	2.97
AERCL227016	Stream	0.9	0.03	2.4	0.57	<0.1	0.03	0.27	12.8	0.4	<0.05	1.2	8.57	38.1	<0.02	5	0.5	10.7	4.36	16.27	3.08
AERCL227017	Stream	0.8	0.02	2.8	0.48	<0.1	0.07	0.33	11.6	2.2	<0.05	3.8	10.57	36.0	<0.02	3	0.6	10.6	4.20	16.15	3.16
AERCL227018	Stream	0.3	0.02	2.5	0.62	<0.1	0.06	0.35	9.9	0.4	<0.05	2.9	4.32	19.7	<0.02	2	0.3	7.5	2.27	8.50	1.62
AERCL227019	Stream	1.2	0.06	2.9	1.34	<0.1	0.14	0.22	15.2	0.6	<0.05	7.0	8.82	28.9	0.02	7	0.6	11.1	3.45	13.35	2.74
AERCL227020	Stream	0.3	<0.02	2.7	0.70	<0.1	0.06	0.29	10.3	0.4	<0.05	2.9	5.72	24.9	<0.02	2	0.4	10.2	2.89	10.99	2.16
AERCL227021	Pulp DUP	0.4	0.03	3.8	1.01	<0.1	0.11	0.22	13.2	2.5	<0.05	5.4	11.98	34.0	0.04	1	0.7	13.9	4.06	16.31	3.38
AERCL227022	Stream	0.5	0.03	3.3	0.71	<0.1	0.04	0.24	11.4	0.6	<0.05	2.5	9.58	34.2	0.02	2	0.6	10.8	3.95	15.22	3.00
AERCL227023	Stream	0.5	0.02	3.9	0.63	<0.1	0.07	0.33	14.9	0.8	<0.05	3.3	8.70	31.1	0.02	2	0.6	14.0	3.60	13.96	2.76
AERCL227024	Stream	0.6	0.06	4.6	0.95	<0.1	0.15	0.28	15.1	0.7	<0.05	7.5	12.53	34.2	0.03	1	0.8	14.6	4.09	16.35	3.43
AERCL227025	Stream	0.5	0.04	4.0	1.09	<0.1	0.11	0.22	14.0	2.2	<0.05	5.9	12.54	36.7	0.03	2	0.7	13.6	4.39	17.37	3.62
AERCL227026	Rock Pulp	0.2	<0.02	2.7	1.08	<0.1	0.18	0.31	6.7	2.2	<0.05	6.0	5.28	40.2	0.04	<1	0.2	8.4	4.73	16.17	2.41
AERCL227027	Stream	0.4	0.03	3.9	1.08	<0.1	0.16	0.12	16.6	2.8	<0.05	8.6	11.72	37.5	0.04	3	1.2	14.1	4.54	18.31	3.84
AERCL227028	Stream	0.5	0.02	2.6	0.87	<0.1	0.16	0.28	12.3	0.4	<0.05	7.4	10.87	40.7	<0.02	<1	0.5	12.1	5.02	19.87	3.83
AERCL227029	Stream	0.5	0.08	2.4	0.98	<0.1	0.07	0.20	12.9	1.4	<0.05	4.5	10.14	36.2	<0.02	6	0.2	9.5	4.39	18.58	3.28
AERCL227030	Stream	0.2	0.04	2.2	0.52	<0.1	0.03	0.32	10.4	1.0	<0.05	1.7	8.51	32.6	<0.02	<1	0.3	9.3	3.85	15.35	2.77



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERCL227001	Pulp DUP	0.68	2.83	0.38	2.17	0.39	1.03	0.13	0.85	0.11	<10	<2
AERCL227002	Stream	0.62	2.56	0.34	1.95	0.36	0.92	0.12	0.80	0.11	<10	<2
AERCL227003	Stream	0.94	4.58	0.63	3.58	0.65	1.71	0.23	1.35	0.19	<10	<2
AERCL227004	Stream	0.54	2.41	0.31	1.80	0.32	0.85	0.11	0.69	0.10	<10	<2
AERCL227005	Stream	0.75	3.02	0.41	2.36	0.43	1.13	0.15	0.94	0.13	<10	<2
AERCL227006	Stream	0.73	3.07	0.41	2.34	0.43	1.11	0.15	0.92	0.13	<10	<2
AERCL227007	Stream	0.53	2.95	0.36	2.02	0.34	0.87	0.11	0.68	0.09	<10	<2
AERCL227008	Stream	0.52	3.31	0.40	2.17	0.37	0.93	0.11	0.70	0.09	<10	<2
AERCL227009	Stream	0.34	1.79	0.22	1.22	0.21	0.56	0.07	0.44	0.06	<10	<2
AERCL227010	Stream	0.52	2.55	0.34	1.91	0.35	0.91	0.12	0.73	0.10	<10	<2
AERCL227011	Rock Pulp	0.53	1.67	0.19	1.06	0.19	0.51	0.07	0.44	0.06	45	27
AERCL227012	Stream	0.40	2.05	0.27	1.48	0.26	0.68	0.09	0.54	0.07	<10	<2
AERCL227013	Stream	0.44	2.09	0.26	1.46	0.25	0.64	0.09	0.50	0.07	<10	<2
AERCL227014	Stream	0.56	2.73	0.36	1.97	0.35	0.92	0.12	0.73	0.10	<10	<2
AERCL227015	Stream	0.52	2.56	0.34	1.95	0.35	0.91	0.12	0.73	0.10	<10	<2
AERCL227016	Stream	0.51	2.53	0.33	1.80	0.31	0.81	0.10	0.65	0.09	<10	<2
AERCL227017	Stream	0.56	2.68	0.36	2.02	0.36	0.96	0.13	0.79	0.11	<10	<2
AERCL227018	Stream	0.28	1.30	0.16	0.93	0.16	0.41	0.05	0.33	0.04	<10	<2
AERCL227019	Stream	0.50	2.44	0.32	1.88	0.32	0.84	0.11	0.63	0.08	<10	<2
AERCL227020	Stream	0.37	1.74	0.22	1.25	0.21	0.54	0.07	0.43	0.06	<10	<2
AERCL227021	Pulp DUP	0.71	3.02	0.41	2.35	0.42	1.12	0.15	0.92	0.13	<10	<2
AERCL227022	Stream	0.57	2.56	0.33	1.87	0.34	0.88	0.12	0.73	0.10	<10	<2
AERCL227023	Stream	0.51	2.33	0.31	1.75	0.31	0.81	0.10	0.68	0.09	<10	<2
AERCL227024	Stream	0.74	3.13	0.42	2.44	0.44	1.17	0.15	0.99	0.14	<10	<2
AERCL227025	Stream	0.75	3.04	0.43	2.39	0.43	1.16	0.15	0.96	0.13	<10	<2
AERCL227026	Rock Pulp	0.52	1.63	0.19	1.06	0.19	0.51	0.07	0.42	0.06	44	25
AERCL227027	Stream	0.74	3.84	0.47	2.59	0.44	1.20	0.16	1.01	0.13	<10	<2
AERCL227028	Stream	0.67	3.42	0.42	2.44	0.43	1.20	0.17	0.89	0.11	<10	<2
AERCL227029	Stream	0.67	3.09	0.37	1.90	0.36	0.95	0.12	0.74	0.10	<10	<2
AERCL227030	Stream	0.50	2.67	0.35	1.97	0.36	0.88	0.10	0.79	0.10	<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
AERCL227031	Stream	2.89	502	2	5.6	2.0	8.6	20.2	10.9	47.5	6	132.0	0.7	13.4	3.5	55	0.8	837.9	27.8	37.6	75.3
AERCL227032	Stream	3.00	516	<1	5.5	2.5	9.0	11.5	9.8	48.3	2	111.8	0.6	8.6	3.0	73	0.9	478.7	20.7	26.6	51.7
AERCL227033	Stream	2.71	582	7	6.8	2.1	7.9	25.5	11.6	49.4	1	130.1	0.7	13.3	3.3	64	0.7	1062.2	34.4	39.8	80.8
AERCL227034	Stream	2.10	542	2	9.1	3.5	10.9	12.4	13.1	69.7	2	125.9	0.9	9.1	2.9	79	1.2	530.9	25.6	29.0	55.1
AERCL227035	Stream	2.78	735	2	11.9	3.7	13.2	18.0	15.6	76.0	2	165.5	1.3	14.7	5.4	151	1.3	723.0	38.9	48.4	91.9
AERCL227036	Stream	3.60	564	3	7.6	3.2	11.9	20.4	13.5	70.7	2	123.0	0.9	14.4	4.5	98	1.1	818.6	30.4	43.4	84.5
AERCL227037	Stream	2.67	678	<1	7.3	4.6	14.1	8.4	12.8	80.0	2	163.4	0.8	11.1	4.6	156	1.5	343.5	28.9	36.0	66.9
AERCL227038	Stream	2.01	663	<1	8.8	4.1	11.5	13.3	13.8	68.5	2	132.1	0.9	10.4	3.7	131	1.1	543.1	29.8	33.2	62.3
AERCL227039	Stream	3.07	599	<1	9.6	3.1	11.2	21.6	13.9	64.6	2	137.6	1.3	13.8	3.9	98	1.2	932.6	37.1	42.5	81.6
AERCL227040	Stream	3.10	659	<1	9.8	4.5	13.6	23.0	16.2	78.9	2	141.6	1.0	15.1	5.2	128	1.6	950.3	36.4	47.7	92.8
AERCL227041	Pulp DUP		713	<1	13.7	3.9	12.8	11.9	13.8	76.1	2	169.9	1.0	12.4	3.9	126	1.4	493.1	32.0	39.2	74.0
AERCL227042	Stream	2.58	672	3	13.6	3.7	11.7	13.1	13.2	72.2	2	167.1	1.0	11.6	4.1	113	1.1	532.2	32.2	38.8	75.5
AERCL227043	Stream	2.56	713	2	13.8	3.9	12.9	12.3	13.4	74.9	2	168.1	0.9	11.5	3.9	122	1.5	498.9	32.1	38.6	75.3
AERCL227044	Stream	2.37	723	2	9.3	3.9	11.9	18.7	15.3	68.4	2	145.4	1.0	12.2	4.6	94	1.8	765.5	34.2	35.0	67.3
AERCL227045	Stream	2.47	1070	2	7.7	4.2	13.2	18.2	16.2	73.0	2	220.6	1.2	11.7	4.4	87	2.0	734.8	24.9	33.8	65.6
AERCL227046	Stream	2.74	598	<1	9.5	4.6	12.8	10.6	14.9	83.8	2	118.1	1.0	10.7	4.5	125	1.7	423.6	27.6	32.1	61.3
AERCL227047	Stream	2.47	604	2	10.1	2.5	9.3	25.1	14.2	54.8	1	143.2	1.0	13.6	4.2	87	1.2	1006.2	37.8	44.0	84.2
AERCL227048	Stream	2.55	674	2	9.0	3.2	11.3	15.0	13.1	65.0	1	146.6	0.8	10.7	3.8	96	1.2	639.2	25.8	32.1	64.7
AERCL227049	Stream	2.80	636	<1	8.8	2.8	12.1	19.3	13.6	67.3	2	160.9	1.0	16.0	4.1	86	1.4	798.1	37.5	48.0	96.5
AERCL227050	Stream	2.48	841	2	14.0	4.2	14.2	7.6	11.0	77.3	2	165.3	0.6	8.9	3.1	140	1.0	317.7	25.0	29.7	58.7
AERCL227051	Stream	2.67	875	<1	14.2	7.1	16.2	10.2	14.0	103.3	8	149.0	0.9	12.4	6.3	316	1.9	408.8	29.1	38.3	70.8
AERCL227052	Stream	1.88	601	2	8.5	2.3	9.4	19.3	12.6	55.6	1	153.8	0.8	12.3	3.8	76	1.2	819.2	35.4	37.6	75.1
AERCL227053	Stream	2.61	634	3	10.7	2.9	10.8	14.5	11.0	68.3	2	145.9	0.8	13.9	2.9	93	0.7	593.5	30.9	40.9	78.3
AERCL227054	Stream	2.62	566	3	7.1	2.4	9.7	17.7	13.0	58.0	1	134.5	0.8	11.7	3.0	67	1.7	740.6	29.7	36.0	70.3
AERCL227055	Stream	2.96	580	2	8.2	2.0	9.4	24.5	14.1	57.6	1	134.8	1.2	17.3	4.5	68	1.1	1015.9	32.7	43.7	90.6
AERCL227056	Stream	2.13	420	2	6.5	2.1	8.7	18.0	12.6	55.7	<1	109.6	1.0	8.9	2.9	58	1.1	780.1	24.4	28.6	57.9
AERCL227057	Stream	2.83	420	<1	9.0	2.1	8.6	16.2	11.4	55.8	1	119.1	0.7	9.3	2.8	61	0.9	650.7	25.4	27.4	57.7
AERCL227058	Rock Pulp	0.07	479	3	52.2	1.8	13.9	4.2	16.4	39.3	7	416.6	0.4	3.9	0.7	61	<0.5	172.1	11.5	31.2	56.1
AERCL227059	Stream	3.19	688	2	10.7	2.4	10.8	20.7	12.3	51.0	9	167.4	0.8	9.8	3.4	93	1.4	868.2	25.5	34.2	67.3
AERCL227060	Stream	2.41	662	<1	13.5	3.5	11.6	8.4	11.6	66.3	1	141.9	0.9	9.7	3.3	108	1.1	341.6	25.3	30.2	61.1



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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
AERCL227031	Stream	8.72	32.7	5.92	0.87	4.86	0.77	4.77	1.00	3.05	0.47	3.13	0.51	0.3	5.0	8.4	51	7.1	2.3	0.3	<0.1
AERCL227032	Stream	6.17	22.9	3.96	0.76	3.56	0.56	3.36	0.73	2.39	0.36	2.44	0.39	0.6	6.4	5.5	55	8.1	7.4	0.4	<0.1
AERCL227033	Stream	9.57	36.1	6.35	1.07	5.38	0.91	5.69	1.22	3.76	0.61	4.24	0.68	0.4	6.0	6.9	65	7.7	17.2	0.2	0.1
AERCL227034	Stream	6.67	24.1	4.41	0.87	4.18	0.67	4.23	0.89	2.90	0.44	3.06	0.48	0.2	6.2	7.9	70	9.0	3.6	<0.1	<0.1
AERCL227035	Stream	11.08	41.4	7.68	1.39	6.72	1.06	6.59	1.28	4.17	0.59	4.21	0.65	2.7	21.3	11.9	82	25.0	11.7	0.7	0.6
AERCL227036	Stream	9.87	36.5	6.46	1.06	5.37	0.87	4.89	1.09	3.41	0.51	3.63	0.60	0.8	8.9	10.4	53	11.7	5.8	0.1	0.1
AERCL227037	Stream	8.24	31.4	5.60	1.16	5.37	0.82	4.61	1.04	2.94	0.43	2.98	0.46	1.8	20.2	13.6	80	22.7	6.2	0.8	0.3
AERCL227038	Stream	7.55	28.7	5.16	1.06	4.93	0.82	4.77	1.09	3.32	0.49	3.49	0.54	1.8	12.8	9.1	70	16.5	30.6	0.4	0.2
AERCL227039	Stream	9.80	37.2	6.59	1.13	5.77	0.93	5.88	1.29	4.06	0.63	4.22	0.69	1.5	8.1	8.9	59	11.2	20.7	0.3	0.1
AERCL227040	Stream	11.04	42.0	7.14	1.26	6.11	1.01	6.24	1.30	3.95	0.60	4.24	0.70	2.9	19.2	13.3	73	19.4	12.2	0.3	0.3
AERCL227041	Pulp DUP	8.96	33.2	6.30	1.17	5.50	0.90	5.19	1.10	3.60	0.49	3.39	0.56	1.4	18.7	11.3	86	29.5	18.3	0.4	0.3
AERCL227042	Stream	8.87	33.3	6.47	1.26	5.71	0.90	5.48	1.12	3.28	0.52	3.57	0.56	0.8	14.9	9.8	72	23.8	13.6	0.3	0.2
AERCL227043	Stream	9.10	33.7	6.65	1.27	5.69	0.90	5.61	1.14	3.71	0.51	3.50	0.57	1.3	16.7	11.1	77	27.4	17.4	0.3	0.4
AERCL227044	Stream	8.08	31.3	5.71	1.13	5.40	0.91	5.54	1.18	3.77	0.61	3.90	0.64	1.0	14.7	11.8	71	15.7	7.5	0.3	0.2
AERCL227045	Stream	7.46	26.6	4.81	0.88	4.09	0.67	4.22	0.95	2.75	0.45	3.26	0.52	0.7	9.1	11.9	33	4.4	3.4	0.1	<0.1
AERCL227046	Stream	7.33	27.2	5.07	1.00	4.87	0.74	4.76	0.98	3.18	0.47	3.14	0.49	1.9	13.2	10.4	73	20.3	6.8	0.1	0.1
AERCL227047	Stream	10.34	39.1	7.04	1.23	6.36	1.01	6.19	1.36	4.24	0.65	4.36	0.69	1.1	10.7	8.9	52	16.8	8.8	0.2	0.2
AERCL227048	Stream	7.64	28.5	5.22	1.05	4.77	0.74	4.47	0.90	3.07	0.45	3.11	0.46	0.3	11.8	9.2	56	13.9	3.9	0.1	0.1
AERCL227049	Stream	11.32	42.6	7.62	1.30	6.94	1.03	6.13	1.29	3.96	0.59	4.42	0.66	0.2	13.3	9.8	64	18.1	3.3	0.2	0.2
AERCL227050	Stream	6.94	26.7	5.00	1.11	4.57	0.69	4.03	0.84	2.43	0.37	2.50	0.40	0.9	19.0	10.7	78	27.0	12.3	0.2	0.3
AERCL227051	Stream	8.62	32.9	5.71	1.24	5.39	0.83	4.96	1.07	3.31	0.46	3.35	0.52	12.6	33.5	15.9	131	36.5	19.5	0.8	1.3
AERCL227052	Stream	9.11	34.1	5.87	1.10	5.54	0.95	6.01	1.25	4.29	0.61	4.02	0.66	0.7	9.3	8.8	69	14.8	6.9	0.3	0.1
AERCL227053	Stream	9.55	35.4	6.08	1.09	5.29	0.85	4.97	1.12	3.55	0.47	3.28	0.49	0.3	8.4	8.0	53	15.9	10.2	0.1	0.2
AERCL227054	Stream	8.58	31.9	5.86	1.10	5.33	0.79	4.71	0.97	3.07	0.47	3.39	0.52	0.3	7.5	7.5	41	10.5	8.7	0.2	<0.1
AERCL227055	Stream	10.55	39.3	6.96	1.08	6.04	0.88	5.07	1.14	3.43	0.54	3.99	0.64	0.3	6.2	6.8	42	10.5	15.4	0.1	<0.1
AERCL227056	Stream	6.80	25.3	4.62	0.85	4.20	0.68	4.20	0.92	2.81	0.47	3.23	0.50	<0.1	4.3	5.2	34	6.6	1.6	<0.1	<0.1
AERCL227057	Stream	6.77	25.2	4.80	0.94	4.42	0.71	4.41	0.96	2.88	0.42	3.09	0.51	0.2	5.7	7.4	41	11.6	2.9	<0.1	0.1
AERCL227058	Rock Pulp	6.67	24.5	3.80	0.97	2.83	0.39	2.09	0.43	1.17	0.16	1.16	0.18	12.5	152.4	289.0	207	79.2	10.0	0.7	0.2
AERCL227059	Stream	7.97	30.6	5.67	1.08	4.78	0.74	4.42	0.92	2.86	0.44	3.18	0.51	0.5	12.4	7.6	55	19.4	5.5	0.3	0.2
AERCL227060	Stream	7.31	27.5	5.23	1.07	4.97	0.76	4.58	0.95	2.77	0.42	2.83	0.42	1.1	15.5	11.5	71	24.5	10.6	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
AERCL227031	Stream	<0.1	<0.1	<0.5	0.02	0.1	<0.5	76.32	7.81	2.19	0.59	0.98	1.01	1.49	0.63	0.16	0.05	0.008	514	<20	133
AERCL227032	Stream	<0.1	<0.1	<0.5	0.02	0.2	<0.5	65.17	7.64	4.67	0.59	0.92	0.67	1.34	0.54	0.28	0.08	0.007	521	<20	106
AERCL227033	Stream	<0.1	<0.1	<0.5	<0.01	0.1	<0.5	70.79	6.87	7.18	0.58	1.03	0.75	1.35	0.68	0.53	0.15	0.007	578	<20	124
AERCL227034	Stream	<0.1	<0.1	0.7	0.04	0.2	<0.5	73.75	8.85	3.19	0.68	0.75	0.85	1.64	0.71	0.19	0.13	0.009	562	<20	123
AERCL227035	Stream	0.2	0.1	<0.5	0.05	0.4	1.8	70.41	10.98	4.42	1.14	1.29	0.81	2.01	0.81	0.23	0.07	0.012	720	28	156
AERCL227036	Stream	0.1	<0.1	0.7	0.02	0.2	0.6	74.51	9.93	3.72	0.89	0.90	0.88	1.83	0.78	0.18	0.04	0.011	559	<20	123
AERCL227037	Stream	0.2	0.1	0.8	0.06	0.3	1.7	65.75	11.42	4.16	0.89	1.06	0.64	1.73	0.67	0.27	0.06	0.011	674	25	156
AERCL227038	Stream	0.1	<0.1	<0.5	0.04	0.3	1.1	67.47	9.40	6.42	0.76	0.97	0.60	1.64	0.72	0.45	0.16	0.011	656	22	127
AERCL227039	Stream	0.1	<0.1	1.1	0.02	0.2	0.9	69.56	9.10	5.62	0.72	0.98	0.61	1.56	0.75	0.38	0.11	0.009	601	<20	133
AERCL227040	Stream	0.2	0.1	0.8	0.06	0.3	1.6	70.50	10.83	5.12	0.90	0.74	0.65	1.99	0.84	0.23	0.05	0.011	663	26	135
AERCL227041	Pulp DUP	0.2	0.1	0.6	0.05	0.2	1.3	69.61	10.76	5.09	1.15	1.36	1.03	2.03	0.71	0.26	0.09	0.013	725	31	161
AERCL227042	Stream	0.1	<0.1	1.8	0.03	0.2	0.7	70.15	10.65	4.72	1.27	1.60	1.10	1.98	0.73	0.25	0.10	0.012	699	31	164
AERCL227043	Stream	0.1	<0.1	1.5	0.06	0.2	1.2	69.87	10.69	5.05	1.15	1.34	1.03	1.99	0.70	0.26	0.09	0.011	714	31	159
AERCL227044	Stream	0.1	0.1	2.6	0.04	0.2	0.6	74.70	9.88	3.72	0.97	0.80	0.80	1.88	0.83	0.19	0.05	0.012	725	<20	142
AERCL227045	Stream	0.1	<0.1	<0.5	0.02	0.2	<0.5	71.06	11.13	3.04	0.97	0.73	0.56	1.64	0.82	0.18	0.11	0.010	1064	<20	211
AERCL227046	Stream	0.2	<0.1	0.7	0.05	0.3	0.8	72.76	10.54	3.62	0.81	0.61	0.68	1.85	0.73	0.22	0.08	0.012	592	27	111
AERCL227047	Stream	<0.1	<0.1	2.7	0.04	0.2	0.6	76.09	8.29	3.54	1.13	1.65	0.93	1.71	0.74	0.21	0.09	0.011	593	<20	139
AERCL227048	Stream	<0.1	<0.1	1.2	0.04	0.2	1.0	69.81	10.25	4.34	0.89	0.83	0.97	1.73	0.74	0.32	0.04	0.014	672	<20	142
AERCL227049	Stream	<0.1	<0.1	2.1	0.02	0.2	0.6	71.96	10.59	3.44	0.97	1.24	1.27	1.97	0.82	0.18	0.05	0.013	663	24	167
AERCL227050	Stream	0.2	<0.1	1.5	0.05	0.2	0.5	65.12	12.66	6.15	1.64	1.58	0.98	2.08	0.71	0.22	0.06	0.014	828	36	158
AERCL227051	Stream	0.3	0.2	2.5	0.09	0.5	5.5	63.05	13.49	5.58	1.36	0.89	0.54	2.37	0.76	0.22	0.08	0.016	900	49	143
AERCL227052	Stream	<0.1	<0.1	<0.5	0.03	0.2	0.7	77.18	8.33	3.06	0.70	0.91	0.95	1.60	0.73	0.19	0.04	0.012	587	<20	149
AERCL227053	Stream	<0.1	<0.1	1.4	0.04	0.1	<0.5	67.83	9.39	4.87	0.99	1.42	0.85	1.67	0.66	0.26	0.20	0.010	641	21	145
AERCL227054	Stream	<0.1	<0.1	0.6	0.03	0.1	0.7	76.18	8.05	3.71	0.67	0.92	0.83	1.58	0.66	0.21	0.11	0.008	562	<20	125
AERCL227055	Stream	<0.1	<0.1	<0.5	0.02	0.1	0.8	73.36	7.98	4.44	0.65	0.97	0.89	1.48	0.68	0.33	0.13	0.010	568	<20	128
AERCL227056	Stream	<0.1	<0.1	<0.5	0.03	<0.1	<0.5	80.33	7.44	2.10	0.67	0.72	0.74	1.38	0.65	0.13	0.05	0.007	402	<20	104
AERCL227057	Stream	<0.1	<0.1	0.8	0.03	<0.1	<0.5	79.05	7.80	2.82	0.68	0.71	0.80	1.49	0.64	0.12	0.05	0.007	410	<20	113
AERCL227058	Rock Pulp	0.1	0.1	36.5	0.02	<0.1	<0.5	71.68	12.08	4.07	1.71	3.31	3.46	1.45	0.38	0.13	0.07	0.016	468	92	407
AERCL227059	Stream	<0.1	<0.1	1.4	0.04	0.1	<0.5	72.62	10.68	3.87	0.97	1.15	1.33	1.70	0.92	0.15	0.07	0.025	704	25	173
AERCL227060	Stream	0.1	<0.1	2.2	0.08	0.2	1.0	69.12	10.59	5.01	1.07	1.09	0.90	1.79	0.68	0.23	0.11	0.012	692	25	144



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Method	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
MDL	5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERCL227031	Stream	917	29	10	7	8.5	99.96	0.25	4.35	8.33	46.6	39	6.3	4.1	240	0.74	1.7	1.2	1.8	19.3
AERCL227032	Stream	490	20	14	7	17.9	99.97	0.55	6.00	5.19	54.2	51	7.3	3.7	527	2.44	6.4	0.9	0.7	24.9
AERCL227033	Stream	1069	29	16	7	9.8	99.97	0.33	4.47	5.75	54.3	35	6.5	4.2	999	3.89	14.8	0.7	0.5	32.4
AERCL227034	Stream	558	24	16	8	9.1	99.96	0.19	5.71	7.29	64.1	75	8.1	7.4	905	1.56	3.2	0.8	1.2	31.9
AERCL227035	Stream	707	36	17	10	7.5	99.92	2.78	18.43	10.10	77.9	121	22.6	9.0	469	2.06	10.2	1.8	1.7	49.1
AERCL227036	Stream	863	29	16	9	6.1	99.94	0.65	7.37	8.78	47.3	44	10.0	6.6	238	1.76	4.3	1.7	<0.2	23.6
AERCL227037	Stream	349	28	14	10	13.1	99.94	2.08	19.52	12.70	77.2	148	22.7	6.6	402	1.95	6.7	2.5	0.8	75.8
AERCL227038	Stream	553	29	17	9	11.2	99.94	1.62	10.88	7.87	58.8	91	14.7	6.7	1144	3.54	28.2	0.8	<0.2	51.2
AERCL227039	Stream	959	33	21	8	10.3	99.95	1.35	6.93	7.31	50.8	66	10.1	6.1	784	2.89	18.3	0.7	0.4	49.1
AERCL227040	Stream	915	37	18	11	7.9	99.93	2.64	15.87	11.67	61.9	126	16.8	7.0	279	2.52	10.5	1.7	1.3	48.7
AERCL227041	Pulp DUP	490	31	16	10	7.6	99.94	1.27	15.95	9.70	72.6	88	24.9	10.9	599	2.68	15.8	1.5	1.4	42.6
AERCL227042	Stream	538	33	17	10	7.2	99.94	1.13	13.53	8.53	70.3	84	22.4	11.1	646	2.46	13.3	1.4	2.8	41.3
AERCL227043	Stream	485	31	16	10	7.6	99.94	1.32	15.66	9.52	73.7	79	24.4	11.4	597	2.66	16.2	1.4	<0.2	44.2
AERCL227044	Stream	781	34	16	9	5.9	99.94	0.97	13.99	10.79	71.3	111	15.2	7.6	325	1.78	7.7	1.5	<0.2	58.9
AERCL227045	Stream	715	26	22	9	9.4	99.94	0.80	9.68	11.63	37.5	82	5.8	5.9	789	1.03	3.4	1.5	1.4	73.7
AERCL227046	Stream	412	27	19	10	7.9	99.94	1.72	11.74	9.42	66.3	86	18.0	7.9	610	1.87	6.4	2.3	0.5	37.1
AERCL227047	Stream	968	36	19	8	5.3	99.95	1.02	9.72	8.20	50.7	74	15.6	7.6	606	1.74	8.1	1.2	0.9	35.2
AERCL227048	Stream	669	29	18	10	9.8	99.95	0.31	10.91	8.08	54.7	73	13.5	5.9	226	2.17	3.8	1.1	1.2	30.3
AERCL227049	Stream	837	36	19	10	7.2	99.93	0.30	11.71	9.25	67.7	68	18.3	7.7	262	1.58	3.3	1.6	5.0	38.6
AERCL227050	Stream	293	24	15	12	8.6	99.92	0.81	19.53	10.30	79.2	93	26.9	10.8	427	3.20	12.8	1.0	<0.2	52.3
AERCL227051	Stream	430	28	20	13	11.3	99.88	12.15	35.16	15.51	140.2	224	38.3	12.4	558	2.90	20.0	3.6	1.5	71.4
AERCL227052	Stream	753	31	16	8	6.1	99.96	0.67	8.29	8.23	68.4	69	13.5	7.5	233	1.56	6.4	1.4	0.6	38.6
AERCL227053	Stream	603	23	15	9	11.6	99.95	0.38	7.96	7.23	53.8	51	14.9	8.6	1450	2.52	10.3	0.7	<0.2	44.2
AERCL227054	Stream	663	29	15	7	6.8	99.95	0.36	7.01	7.35	46.3	70	10.0	5.8	730	1.86	9.3	0.9	<0.2	31.0
AERCL227055	Stream	978	33	15	7	8.8	99.96	0.29	5.85	5.56	43.0	53	9.8	5.7	920	2.35	13.7	1.4	1.0	25.7
AERCL227056	Stream	750	26	18	7	5.6	99.97	0.12	4.17	5.45	37.8	41	7.6	5.6	331	0.98	1.7	0.7	1.5	20.6
AERCL227057	Stream	649	24	16	7	5.6	99.96	0.23	5.96	7.31	49.0	36	12.4	8.7	360	1.57	3.1	0.7	0.3	22.7
AERCL227058	Rock Pulp	154	11	25	9	1.4	99.88	12.13	145.56	264.06	207.1	113	75.9	47.1	269	1.58	9.8	0.4	38.1	32.2
AERCL227059	Stream	859	27	17	10	6.2	99.95	0.48	11.97	7.06	56.2	70	18.6	9.0	456	1.67	5.4	1.0	9.6	38.2
AERCL227060	Stream	358	26	17	10	9.2	99.93	1.12	13.98	10.05	72.2	86	23.0	11.5	782	2.69	10.6	1.1	0.9	43.6



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		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
AERCL227031	Stream	0.23	0.09	0.05	11	0.25	0.059	21.1	11.0	0.14	94.8	0.011	5	0.55	0.005	0.06	<0.1	2.0	0.13	0.09	32
AERCL227032	Stream	0.26	0.09	0.05	16	0.42	0.103	10.5	9.0	0.14	139.5	0.004	7	0.53	0.004	0.06	<0.1	1.8	0.15	0.20	33
AERCL227033	Stream	0.16	0.11	0.05	17	0.43	0.187	17.7	9.1	0.15	184.0	0.007	7	0.55	0.005	0.07	<0.1	1.8	0.10	0.06	20
AERCL227034	Stream	0.14	0.07	0.09	17	0.30	0.073	15.3	12.1	0.18	130.9	0.004	5	0.70	0.005	0.07	<0.1	2.7	0.13	0.06	48
AERCL227035	Stream	0.72	0.52	0.17	37	0.66	0.078	17.8	14.5	0.37	163.2	0.007	8	0.76	0.012	0.15	<0.1	3.3	0.37	0.47	26
AERCL227036	Stream	0.15	0.11	0.10	28	0.32	0.068	22.1	15.8	0.27	94.8	0.009	4	0.92	0.006	0.12	<0.1	2.7	0.17	<0.02	25
AERCL227037	Stream	0.89	0.39	0.19	39	0.58	0.118	20.5	19.9	0.21	223.9	0.004	6	0.95	0.007	0.09	<0.1	3.8	0.35	0.07	62
AERCL227038	Stream	0.40	0.28	0.11	30	0.56	0.165	13.3	12.3	0.19	221.8	0.003	7	0.72	0.006	0.10	<0.1	2.6	0.25	0.15	34
AERCL227039	Stream	0.26	0.18	0.09	23	0.51	0.131	17.5	9.7	0.17	171.1	0.003	6	0.66	0.013	0.09	<0.1	2.1	0.19	0.09	38
AERCL227040	Stream	0.30	0.38	0.18	27	0.38	0.085	15.8	12.2	0.24	166.6	0.004	8	0.69	0.013	0.14	<0.1	2.9	0.31	0.56	43
AERCL227041	Pulp DUP	0.34	0.32	0.12	37	0.62	0.094	15.3	17.3	0.40	172.0	0.007	7	0.95	0.010	0.11	<0.1	3.5	0.17	0.21	38
AERCL227042	Stream	0.24	0.31	0.11	35	0.76	0.087	16.2	16.9	0.47	153.5	0.009	7	0.90	0.010	0.11	<0.1	3.6	0.18	0.16	40
AERCL227043	Stream	0.31	0.40	0.13	37	0.62	0.095	15.3	16.3	0.40	171.1	0.007	6	0.92	0.010	0.11	<0.1	3.4	0.18	0.21	51
AERCL227044	Stream	0.18	0.13	0.17	18	0.44	0.075	15.9	12.0	0.31	220.3	0.005	11	0.69	0.017	0.12	<0.1	3.2	0.16	0.36	50
AERCL227045	Stream	0.12	0.08	0.16	10	0.33	0.067	15.7	9.5	0.20	298.8	0.003	10	0.62	0.045	0.13	<0.1	2.0	0.17	0.10	28
AERCL227046	Stream	0.20	0.16	0.15	29	0.35	0.083	12.3	15.2	0.22	128.5	0.002	9	0.80	0.009	0.10	<0.1	3.6	0.23	0.09	47
AERCL227047	Stream	0.27	0.24	0.10	22	0.84	0.081	16.6	11.7	0.45	150.9	0.008	6	0.58	0.009	0.10	<0.1	2.7	0.17	0.21	28
AERCL227048	Stream	0.13	0.15	0.08	24	0.31	0.123	14.5	14.5	0.27	167.8	0.005	6	0.89	0.007	0.09	<0.1	3.3	0.13	0.11	36
AERCL227049	Stream	0.14	0.16	0.09	28	0.47	0.074	29.0	20.4	0.31	151.6	0.015	5	0.94	0.008	0.11	<0.1	3.7	0.16	0.03	39
AERCL227050	Stream	0.15	0.26	0.14	37	0.89	0.085	13.5	21.9	0.63	253.8	0.007	5	1.24	0.011	0.16	<0.1	5.2	0.14	0.16	49
AERCL227051	Stream	1.02	0.89	0.30	90	0.55	0.084	13.6	22.1	0.38	255.8	0.003	13	1.12	0.016	0.19	<0.1	4.3	0.42	0.44	101
AERCL227052	Stream	0.20	0.16	0.07	20	0.35	0.084	18.0	16.2	0.21	136.7	0.008	6	0.68	0.007	0.08	<0.1	2.4	0.15	0.04	20
AERCL227053	Stream	0.12	0.24	0.07	25	0.73	0.097	15.6	14.3	0.34	164.0	0.006	10	0.84	0.008	0.11	<0.1	2.8	0.11	0.08	37
AERCL227054	Stream	0.13	0.10	0.08	15	0.39	0.096	19.5	10.8	0.19	147.3	0.007	6	0.53	0.006	0.08	<0.1	2.0	0.12	0.06	21
AERCL227055	Stream	0.16	0.09	0.05	20	0.35	0.137	19.5	11.3	0.18	150.2	0.007	6	0.74	0.005	0.07	<0.1	2.0	0.10	0.08	24
AERCL227056	Stream	0.04	0.06	0.04	15	0.31	0.047	15.4	11.7	0.23	57.3	0.005	6	0.62	0.007	0.07	<0.1	2.2	0.07	0.03	15
AERCL227057	Stream	0.09	0.13	0.05	20	0.31	0.048	14.7	12.6	0.25	61.2	0.007	8	0.70	0.008	0.09	<0.1	2.8	0.09	0.03	19
AERCL227058	Rock Pulp	0.55	0.17	0.12	24	0.56	0.054	23.3	29.7	0.47	59.0	0.066	1	0.79	0.087	0.11	<0.1	3.3	0.08	0.04	13
AERCL227059	Stream	0.23	0.19	0.07	21	0.50	0.066	15.5	14.8	0.32	159.4	0.011	4	0.70	0.006	0.08	<0.1	3.4	0.14	0.07	23
AERCL227060	Stream	0.24	0.33	0.11	32	0.56	0.091	15.8	15.9	0.36	193.3	0.007	7	0.95	0.008	0.12	<0.1	3.8	0.17	0.07	48



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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
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERCL227031	Stream	<0.1	0.04	2.0	0.80	<0.1	0.03	0.30	10.4	6.9	<0.05	1.6	6.25	43.3	<0.02	<1	1.0	8.8	4.94	17.75	2.99
AERCL227032	Stream	0.2	0.03	1.9	0.57	<0.1	0.05	0.27	8.0	1.2	<0.05	2.5	5.62	21.6	<0.02	4	0.5	5.9	2.64	10.22	2.03
AERCL227033	Stream	0.2	<0.02	1.7	0.44	<0.1	0.03	0.28	8.8	0.3	<0.05	2.0	7.83	36.5	<0.02	1	0.5	5.9	4.23	16.82	3.26
AERCL227034	Stream	0.2	0.05	2.4	0.75	<0.1	0.04	0.22	14.1	0.3	<0.05	1.8	6.69	31.7	<0.02	1	0.6	10.3	3.64	14.83	2.67
AERCL227035	Stream	1.6	0.06	2.7	0.91	<0.1	0.15	0.14	14.1	0.5	<0.05	7.7	13.10	35.1	<0.02	10	0.8	9.7	4.41	18.41	3.60
AERCL227036	Stream	0.4	0.02	3.2	0.65	<0.1	0.05	0.31	14.8	0.4	<0.05	2.7	7.62	46.5	<0.02	<1	0.4	11.3	5.55	21.30	3.60
AERCL227037	Stream	1.7	0.08	3.3	0.72	<0.1	0.13	0.48	14.0	1.5	<0.05	6.1	14.58	40.6	<0.02	8	1.1	11.3	5.19	20.08	4.44
AERCL227038	Stream	0.7	0.04	2.5	0.72	<0.1	0.06	0.21	11.7	0.3	<0.05	3.4	9.43	26.9	0.03	5	0.8	7.9	3.30	14.49	2.89
AERCL227039	Stream	0.4	0.06	2.0	0.59	<0.1	0.04	0.16	10.9	0.3	<0.05	2.3	8.28	35.3	<0.02	6	0.3	6.3	4.29	16.85	3.20
AERCL227040	Stream	1.2	0.05	2.4	1.08	<0.1	0.14	0.12	12.9	0.4	<0.05	6.8	9.75	31.3	<0.02	11	0.8	10.5	3.85	15.67	3.07
AERCL227041	Pulp DUP	0.6	0.05	3.1	0.93	<0.1	0.07	0.28	12.1	0.5	<0.05	4.2	11.40	31.4	<0.02	3	0.4	13.8	3.97	16.60	3.59
AERCL227042	Stream	0.5	0.04	3.0	0.93	<0.1	0.05	0.30	11.8	0.4	<0.05	4.1	10.69	32.8	<0.02	<1	0.4	12.2	4.17	16.40	3.18
AERCL227043	Stream	0.4	0.05	3.1	0.98	<0.1	0.06	0.26	12.4	0.5	<0.05	3.5	11.54	31.2	0.02	3	0.7	13.4	3.92	16.25	3.27
AERCL227044	Stream	0.5	0.05	2.6	1.15	<0.1	0.14	0.10	12.4	0.5	<0.05	6.9	10.72	32.3	<0.02	1	0.5	12.1	3.73	16.81	3.09
AERCL227045	Stream	0.4	0.05	2.2	0.88	<0.1	0.07	0.12	14.5	0.6	<0.05	3.1	6.05	31.3	0.02	2	0.5	5.5	3.48	13.41	2.55
AERCL227046	Stream	0.6	0.03	2.9	0.96	<0.1	0.04	0.12	13.0	0.6	<0.05	2.9	9.77	25.7	<0.02	9	0.6	13.7	3.21	13.60	2.91
AERCL227047	Stream	0.2	0.04	2.2	0.75	<0.1	0.11	0.18	9.4	0.4	<0.05	6.2	10.71	34.5	<0.02	4	0.3	8.5	4.11	17.73	3.52
AERCL227048	Stream	0.3	<0.02	2.9	0.71	<0.1	0.08	0.25	10.8	0.5	<0.05	3.4	9.12	30.7	0.03	<1	0.8	11.4	3.52	15.00	3.02
AERCL227049	Stream	<0.1	0.03	3.9	0.78	<0.1	0.15	0.51	15.1	0.5	<0.05	6.5	12.07	57.8	<0.02	<1	0.5	13.1	7.10	26.69	4.61
AERCL227050	Stream	0.6	0.05	4.1	1.08	<0.1	0.19	0.13	14.9	0.6	<0.05	8.1	10.75	28.4	0.03	5	0.8	16.7	3.49	13.77	3.02
AERCL227051	Stream	5.7	0.13	4.3	1.39	<0.1	0.18	0.19	17.1	0.5	<0.05	10.6	12.05	26.0	0.05	30	0.8	21.2	3.44	14.31	3.32
AERCL227052	Stream	0.2	0.04	2.5	0.67	<0.1	0.03	0.23	10.7	0.3	<0.05	2.2	8.86	37.4	<0.02	<1	0.1	9.9	4.34	17.38	3.37
AERCL227053	Stream	0.2	<0.02	2.6	0.59	<0.1	0.07	0.31	12.8	0.3	<0.05	3.2	8.01	32.1	<0.02	<1	0.8	10.0	3.80	14.86	2.94
AERCL227054	Stream	0.2	<0.02	2.2	0.65	<0.1	0.10	0.31	10.8	0.4	<0.05	4.4	9.68	39.9	<0.02	<1	0.6	6.6	4.64	19.02	3.54
AERCL227055	Stream	<0.1	0.02	2.2	0.47	<0.1	0.06	0.32	10.5	0.2	<0.05	2.6	7.96	40.1	<0.02	<1	0.3	9.0	4.55	17.22	3.04
AERCL227056	Stream	<0.1	<0.02	2.3	0.60	<0.1	0.09	0.19	11.9	0.3	<0.05	3.9	5.73	32.7	<0.02	<1	0.4	9.5	3.80	14.70	2.52
AERCL227057	Stream	<0.1	0.02	2.9	0.58	<0.1	0.09	0.24	12.2	0.3	<0.05	5.5	6.53	32.5	<0.02	<1	0.5	11.5	3.64	13.38	2.83
AERCL227058	Rock Pulp	<0.1	<0.02	2.9	1.14	<0.1	0.19	0.31	7.2	2.4	<0.05	5.2	5.16	39.6	0.04	<1	0.3	8.8	4.84	16.66	2.50
AERCL227059	Stream	<0.1	<0.02	2.6	0.83	<0.1	0.08	0.16	9.5	0.3	<0.05	5.2	8.78	31.6	<0.02	<1	0.8	8.1	3.70	14.74	3.17
AERCL227060	Stream	0.5	0.03	3.2	0.79	<0.1	0.10	0.25	12.5	0.4	<0.05	4.1	11.49	34.1	0.03	4	0.6	12.3	4.02	16.21	3.32



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	Method Analyte Unit MDL	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERCL227031	Stream	0.41	2.45	0.30	1.65	0.26	0.65	0.08	0.54	0.06	<10	<2
AERCL227032	Stream	0.39	1.96	0.23	1.29	0.20	0.57	0.06	0.47	0.07	<10	<2
AERCL227033	Stream	0.48	2.73	0.32	1.76	0.30	0.77	0.09	0.67	0.10	<10	<2
AERCL227034	Stream	0.43	2.11	0.29	1.55	0.24	0.80	0.09	0.52	0.06	<10	<2
AERCL227035	Stream	0.70	3.33	0.44	2.66	0.45	1.28	0.17	1.06	0.16	<10	<2
AERCL227036	Stream	0.55	3.00	0.35	1.91	0.32	0.70	0.09	0.59	0.08	<10	<2
AERCL227037	Stream	0.85	3.81	0.51	2.97	0.54	1.49	0.18	1.13	0.17	<10	<2
AERCL227038	Stream	0.49	2.73	0.34	2.14	0.33	0.93	0.10	0.84	0.10	<10	<2
AERCL227039	Stream	0.49	2.53	0.29	1.73	0.27	0.80	0.11	0.68	0.09	<10	<2
AERCL227040	Stream	0.62	2.90	0.37	2.25	0.39	1.00	0.13	0.88	0.10	<10	<2
AERCL227041	Pulp DUP	0.61	3.12	0.42	2.47	0.39	1.15	0.14	0.90	0.13	<10	<2
AERCL227042	Stream	0.64	2.99	0.42	2.31	0.39	1.08	0.14	0.89	0.11	<10	<2
AERCL227043	Stream	0.60	3.01	0.39	2.61	0.44	1.18	0.15	0.96	0.12	<10	<2
AERCL227044	Stream	0.62	3.04	0.40	2.24	0.40	1.12	0.14	0.97	0.13	<10	<2
AERCL227045	Stream	0.38	2.01	0.26	1.37	0.20	0.67	0.08	0.51	0.07	<10	<2
AERCL227046	Stream	0.59	2.81	0.37	1.95	0.35	0.89	0.12	0.72	0.09	<10	<2
AERCL227047	Stream	0.61	2.99	0.39	2.50	0.39	1.11	0.13	0.98	0.12	<10	<2
AERCL227048	Stream	0.53	2.58	0.33	1.84	0.33	0.96	0.13	0.76	0.10	<10	<2
AERCL227049	Stream	0.72	3.66	0.51	2.61	0.46	1.32	0.14	1.07	0.14	<10	<2
AERCL227050	Stream	0.60	2.71	0.39	2.26	0.41	1.17	0.13	0.86	0.12	<10	<2
AERCL227051	Stream	0.64	2.90	0.43	2.79	0.44	1.36	0.16	1.00	0.17	<10	<2
AERCL227052	Stream	0.58	2.89	0.35	2.10	0.33	0.91	0.13	0.74	0.09	<10	<2
AERCL227053	Stream	0.47	2.34	0.31	1.72	0.29	0.74	0.10	0.73	0.10	<10	<2
AERCL227054	Stream	0.58	2.88	0.36	1.98	0.32	0.91	0.13	0.85	0.11	<10	<2
AERCL227055	Stream	0.39	2.51	0.31	1.67	0.26	0.83	0.10	0.63	0.08	<10	<2
AERCL227056	Stream	0.38	1.99	0.26	1.34	0.21	0.64	0.08	0.53	0.07	<10	<2
AERCL227057	Stream	0.48	2.24	0.27	1.63	0.24	0.70	0.08	0.55	0.06	<10	<2
AERCL227058	Rock Pulp	0.49	1.78	0.20	1.07	0.18	0.56	0.07	0.44	0.06	31	22
AERCL227059	Stream	0.51	2.52	0.33	2.01	0.33	0.99	0.14	0.78	0.10	<10	3
AERCL227060	Stream	0.66	2.92	0.40	2.28	0.40	1.19	0.15	0.94	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			
					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
AERCL227061	Pulp DUP				619	5	10.2	2.6	11.0	13.8	12.1	61.4	1	151.3	1.0	9.9	3.3	86	1.0	571.9	28.6	31.3	62.3	
AERCL227062	Stream	2.62	623	2	12.2	4.1	12.5	12.6	12.8	72.9	2	139.0	0.9	10.6	3.7	122	1.6	508.9	27.5	35.5	69.2			
AERCL227063	Stream	2.36	1045	<1	11.6	5.0	13.3	13.3	15.0	78.2	2	184.5	1.0	11.8	5.0	137	1.6	537.4	31.8	40.9	75.0			
AERCL227064	Stream	2.57	952	<1	7.3	4.8	14.0	7.3	13.6	84.3	2	172.4	0.9	10.7	4.4	144	1.6	285.9	21.5	30.4	55.8			
AERCL227065	Stream	2.22	905	1	6.9	4.3	11.6	13.8	13.7	72.5	2	157.7	0.9	10.3	3.9	104	1.5	564.2	27.3	31.1	56.3			
AERCL227066	Rock Pulp	0.07	478	<1	52.0	2.0	14.3	4.0	16.5	37.4	6	401.6	0.4	3.8	0.7	72	<0.5	161.3	11.4	31.7	54.4			
AERCL227067	Stream	2.93	604	1	8.2	2.9	9.9	26.7	15.3	57.6	1	122.2	1.2	11.9	4.3	81	1.2	1083.7	38.1	38.6	73.7			
AERCL227068	Stream	2.60	662	3	5.9	3.5	11.0	15.9	13.4	66.2	1	141.0	0.8	9.7	2.9	84	1.5	650.7	24.2	32.5	61.0			
AERCL227069	Stream	2.38	576	<1	5.5	3.5	11.6	11.5	12.5	68.0	2	122.8	0.9	10.1	3.1	88	1.1	463.3	23.5	33.9	63.9			
AERCL227070	Stream	2.43	533	2	7.3	3.3	10.0	12.7	11.6	57.4	1	117.0	0.9	9.6	3.1	72	1.1	503.3	25.1	31.4	60.1			
AERCL227071	Stream	2.35	734	<1	10.8	4.0	14.0	6.9	10.5	74.3	1	161.6	0.8	8.5	2.7	127	4.1	267.4	24.3	31.6	59.6			
AERCL227072	Stream	2.86	662	2	11.1	3.0	10.5	13.1	12.6	60.9	1	152.2	0.9	9.8	3.6	88	4.8	545.2	29.8	34.1	67.9			
AERCL227073	Stream	2.73	656	1	10.4	3.1	11.2	12.8	11.5	60.5	1	150.5	0.8	9.5	3.4	89	3.3	535.0	27.7	34.0	66.5			
AERCL227074	Stream	2.58	575	5	8.4	2.5	9.5	21.1	12.7	57.0	1	133.5	0.8	11.4	3.4	79	4.0	865.7	30.6	40.6	77.4			
AERCL227075	Stream	1.93	546	3	6.7	2.4	9.5	18.7	12.0	57.6	<1	132.4	0.8	10.0	2.8	67	6.0	787.0	27.7	35.2	67.2			
AERCL227076	Stream	2.18	564	6	8.6	2.4	10.1	20.6	12.4	56.8	2	142.9	0.7	13.7	3.4	74	5.2	822.2	29.0	43.3	84.2			
AERCL227077	Stream	2.46	626	2	8.9	2.5	10.1	17.5	11.0	56.8	1	131.6	0.7	12.5	3.1	74	4.5	755.1	29.4	41.2	76.5			
AERCL227078	Stream	2.22	607	<1	11.1	4.6	13.5	13.8	14.4	72.9	2	122.9	0.8	11.4	3.3	100	3.6	558.7	30.4	34.7	65.6			
AERCL227079	Stream	2.46	478	<1	8.3	2.8	9.6	30.1	15.1	55.5	2	114.4	1.0	11.9	3.8	76	4.6	1237.7	32.4	40.4	78.6			
AERCL227080	Stream	2.57	563	3	6.2	2.5	9.0	15.8	9.9	52.8	<1	159.7	0.7	9.0	2.6	69	5.5	650.3	28.0	29.1	57.1			
AERCL227081	Pulp DUP		728	<1	9.4	4.2	12.5	12.2	12.6	83.3	2	121.9	0.8	9.6	3.6	131	3.5	507.0	25.1	32.5	59.3			
AERCL227082	Stream	3.00	773	3	15.5	3.4	12.8	12.7	11.5	69.7	1	164.9	0.9	10.9	3.1	120	3.6	503.7	28.0	36.4	67.8			
AERCL227083	Stream	1.90	565	<1	6.5	3.4	11.1	10.5	11.7	64.6	1	127.6	0.8	9.7	2.9	94	6.4	423.1	24.7	32.4	59.5			
AERCL227084	Stream	2.49	565	<1	9.3	3.2	10.5	13.9	11.1	64.6	<1	139.7	0.9	11.3	3.2	81	6.3	580.1	26.4	34.7	67.8			
AERCL227085	Stream	2.34	556	<1	7.9	3.1	10.2	14.3	11.9	62.3	<1	124.3	0.8	9.3	3.0	85	6.5	560.1	26.9	31.6	62.2			
AERCL227086	Stream	2.07	602	2	7.0	2.7	9.0	13.5	10.1	58.6	<1	119.7	0.9	8.9	3.0	73	1.2	561.3	22.9	26.5	53.8			
AERCL227087	Stream	2.84	542	2	7.5	2.4	8.6	27.3	12.6	57.0	2	122.3	0.9	12.5	3.3	58	0.9	1106.4	32.9	41.4	80.3			
AERCL227088	Stream	2.35	537	<1	5.7	2.8	10.1	21.7	12.8	63.6	1	126.4	0.8	12.4	3.6	78	5.0	890.5	30.1	36.5	71.1			
AERCL227089	Stream	2.39	729	<1	9.4	4.2	12.4	10.8	12.6	85.8	1	119.8	0.8	9.2	3.6	128	1.4	437.5	24.7	31.8	58.6			
AERCL227090	Stream	2.78	735	<1	9.9	4.8	13.0	11.2	12.3	89.6	1	126.7	0.7	9.9	3.9	137	4.5	450.1	25.6	31.9	61.0			



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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
AERCL227061	Pulp DUP	7.51	28.3	5.42	1.02	5.11	0.81	4.90	1.04	3.22	0.45	3.33	0.51	1.1	12.6	8.9	65	16.8	8.0	0.2	0.2
AERCL227062	Stream	8.05	30.6	5.50	1.03	4.71	0.78	4.88	1.02	2.88	0.43	3.10	0.48	2.3	14.9	12.1	74	17.7	7.8	0.3	0.4
AERCL227063	Stream	9.51	35.3	6.26	1.31	5.85	0.92	5.21	1.21	3.57	0.52	3.50	0.55	2.1	23.2	12.3	81	22.5	11.2	0.3	0.4
AERCL227064	Stream	6.53	23.6	4.37	0.92	3.99	0.65	3.81	0.86	2.67	0.39	2.51	0.40	2.7	21.8	13.8	69	15.8	11.4	0.2	0.4
AERCL227065	Stream	6.87	25.1	4.85	0.93	4.57	0.72	4.34	0.96	3.09	0.48	3.13	0.53	1.4	15.9	11.6	67	12.9	8.0	0.1	0.3
AERCL227066	Rock Pulp	6.74	24.9	3.69	1.04	2.90	0.40	2.19	0.41	1.17	0.16	1.05	0.18	11.6	152.4	260.4	205	74.3	9.0	0.5	0.2
AERCL227067	Stream	9.13	34.1	6.35	1.19	5.91	0.99	6.26	1.36	4.18	0.65	4.50	0.75	0.8	10.8	8.8	57	12.6	5.9	0.2	0.1
AERCL227068	Stream	7.19	26.0	4.66	0.85	4.13	0.68	4.12	0.90	2.87	0.43	2.89	0.48	0.3	6.6	6.4	41	6.2	2.0	0.2	<0.1
AERCL227069	Stream	7.72	29.0	5.11	0.94	4.56	0.69	4.01	0.86	2.66	0.40	2.73	0.42	0.3	8.2	7.8	38	9.0	1.6	<0.1	0.1
AERCL227070	Stream	7.24	26.5	4.81	0.86	4.22	0.67	4.18	0.87	2.76	0.42	2.88	0.44	0.3	8.9	7.3	48	10.3	4.7	0.1	0.1
AERCL227071	Stream	7.59	29.2	5.39	1.22	5.10	0.76	4.65	0.95	2.82	0.41	2.59	0.40	0.9	19.3	11.6	75	25.3	10.0	0.2	0.3
AERCL227072	Stream	8.12	29.1	5.82	1.09	5.40	0.84	5.15	1.15	3.34	0.52	3.42	0.53	1.1	13.3	8.2	62	15.8	7.0	0.2	0.3
AERCL227073	Stream	7.92	29.6	5.26	1.01	4.91	0.77	4.66	0.98	2.82	0.43	2.88	0.47	1.0	13.1	8.4	65	16.6	7.3	0.2	0.3
AERCL227074	Stream	9.44	35.6	6.59	1.10	5.84	0.89	5.41	1.12	3.34	0.48	3.60	0.57	0.6	9.0	7.4	51	13.4	6.3	0.2	0.2
AERCL227075	Stream	7.92	28.7	5.10	0.97	4.66	0.75	4.55	0.99	3.16	0.45	3.25	0.52	0.3	7.4	5.9	38	9.3	2.2	0.1	0.1
AERCL227076	Stream	10.05	37.8	6.51	1.07	5.63	0.84	5.20	1.03	3.25	0.53	3.32	0.53	0.4	8.5	6.5	47	12.8	6.7	0.1	0.1
AERCL227077	Stream	9.24	34.8	6.22	1.04	5.39	0.82	5.02	1.09	3.28	0.47	3.24	0.54	1.1	9.4	6.8	52	11.3	24.8	0.2	0.1
AERCL227078	Stream	8.03	29.1	5.53	1.11	5.32	0.82	5.04	1.12	3.41	0.50	3.44	0.55	0.8	12.6	10.2	62	13.2	7.9	0.2	0.2
AERCL227079	Stream	9.56	36.9	6.52	1.13	5.58	0.88	5.46	1.23	3.78	0.55	4.25	0.67	0.2	6.7	7.0	51	9.5	3.5	<0.1	0.1
AERCL227080	Stream	6.82	26.1	4.81	0.94	4.43	0.74	4.31	0.92	3.08	0.48	3.06	0.48	0.2	6.2	6.1	57	10.4	2.4	0.1	0.1
AERCL227081	Pulp DUP	7.18	26.1	5.02	0.91	4.20	0.69	4.14	0.93	2.69	0.41	2.92	0.46	0.5	9.9	9.1	63	15.3	6.4	0.1	0.2
AERCL227082	Stream	8.41	31.9	5.97	1.19	5.04	0.80	4.58	0.96	2.80	0.41	2.89	0.46	0.6	17.2	11.4	85	27.4	13.9	0.2	0.3
AERCL227083	Stream	7.28	27.0	5.05	0.98	4.47	0.72	4.25	0.88	2.87	0.39	2.76	0.44	0.6	10.7	9.1	59	12.6	3.6	0.1	0.2
AERCL227084	Stream	7.97	30.1	5.52	0.91	4.77	0.74	4.31	0.92	2.94	0.44	2.95	0.45	0.3	6.7	8.3	50	10.7	4.6	0.1	0.2
AERCL227085	Stream	7.37	27.5	5.16	0.94	4.62	0.74	4.60	1.00	3.00	0.45	3.06	0.49	0.3	10.4	8.5	53	12.5	3.2	0.1	0.2
AERCL227086	Stream	6.20	23.5	4.17	0.81	3.77	0.63	3.91	0.83	2.49	0.41	2.68	0.43	0.5	7.5	5.7	50	9.6	6.1	0.2	0.1
AERCL227087	Stream	9.55	35.7	6.34	1.13	5.65	0.86	5.26	1.12	3.58	0.51	3.72	0.64	0.2	5.3	6.4	41	8.0	3.4	<0.1	0.2
AERCL227088	Stream	8.54	30.9	5.90	1.04	5.08	0.80	4.95	1.07	3.36	0.54	3.76	0.61	0.1	5.6	6.0	41	6.8	1.8	<0.1	<0.1
AERCL227089	Stream	7.03	26.4	4.44	0.92	4.15	0.64	3.99	0.84	2.75	0.38	2.84	0.41	0.5	10.2	9.1	64	15.3	6.6	0.1	0.2
AERCL227090	Stream	7.20	27.7	4.92	0.98	4.28	0.70	3.99	0.95	2.93	0.41	3.03	0.44	0.6	11.1	9.8	68	16.8	6.8	0.1	0.2



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	Method	Analyte	Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	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
AERCL227061	Pulp DUP	0.1	<0.1	1.1	0.05	0.2	0.6	73.80	9.58	3.88	0.91	1.01	0.93	1.69	0.71	0.20	0.07	0.011	642	21	152			
AERCL227062	Stream	0.2	<0.1	1.9	0.04	0.3	1.5	70.34	10.70	4.69	1.04	0.89	0.68	1.86	0.71	0.20	0.20	0.010	624	21	138			
AERCL227063	Stream	0.2	0.2	2.3	0.07	0.3	1.3	70.19	11.35	4.59	1.14	1.11	0.87	1.95	0.76	0.20	0.06	0.012	1008	27	180			
AERCL227064	Stream	0.2	0.2	1.1	0.07	0.3	1.2	70.68	11.43	4.48	0.93	0.44	0.72	2.01	0.70	0.20	0.03	0.011	953	20	163			
AERCL227065	Stream	0.2	0.1	1.0	0.06	0.2	0.8	74.09	10.20	4.05	0.86	0.55	0.74	1.78	0.75	0.19	0.04	0.010	943	20	163			
AERCL227066	Rock Pulp	0.1	0.1	32.7	0.01	<0.1	<0.5	71.98	12.26	4.07	1.74	3.37	3.47	1.35	0.38	0.12	0.07	0.015	475	89	403			
AERCL227067	Stream	0.1	0.1	<0.5	0.02	0.1	0.5	77.49	8.52	3.56	0.85	0.78	0.62	1.52	0.82	0.17	0.08	0.009	627	<20	126			
AERCL227068	Stream	0.1	<0.1	0.6	0.02	0.1	<0.5	76.59	9.05	2.36	0.72	0.72	0.63	1.40	0.70	0.14	0.08	0.008	637	<20	136			
AERCL227069	Stream	<0.1	<0.1	0.8	0.04	0.1	<0.5	75.81	9.83	2.32	0.73	0.76	0.83	1.53	0.67	0.11	0.03	0.009	583	<20	119			
AERCL227070	Stream	0.1	<0.1	0.9	0.03	0.1	<0.5	71.17	8.93	3.91	0.70	0.83	0.77	1.44	0.65	0.22	0.13	0.008	558	<20	124			
AERCL227071	Stream	0.1	<0.1	2.6	0.04	0.1	0.7	66.62	12.63	5.69	1.23	1.04	0.97	1.86	0.69	0.28	0.07	0.013	725	35	161			
AERCL227072	Stream	0.1	<0.1	1.1	0.03	0.2	0.7	74.18	9.68	3.86	0.95	1.05	0.93	1.63	0.71	0.19	0.06	0.010	659	<20	148			
AERCL227073	Stream	0.1	<0.1	1.0	0.04	0.2	0.7	73.91	9.51	3.88	0.91	1.01	0.91	1.60	0.70	0.17	0.07	0.009	647	20	145			
AERCL227074	Stream	<0.1	<0.1	0.9	0.03	0.1	<0.5	76.28	8.75	3.46	0.92	1.14	0.89	1.58	0.72	0.16	0.06	0.011	562	<20	130			
AERCL227075	Stream	<0.1	<0.1	<0.5	0.02	0.1	<0.5	77.90	8.20	2.55	0.75	0.96	0.91	1.43	0.64	0.13	0.03	0.008	520	<20	124			
AERCL227076	Stream	<0.1	<0.1	0.9	0.03	0.1	<0.5	73.02	8.99	3.60	1.05	1.50	1.04	1.59	0.68	0.18	0.11	0.010	556	<20	138			
AERCL227077	Stream	<0.1	<0.1	0.5	0.05	0.1	0.7	65.28	8.82	5.86	0.77	1.22	0.83	1.43	0.60	0.49	0.19	0.009	620	<20	130			
AERCL227078	Stream	0.2	<0.1	1.1	0.03	0.2	<0.5	70.12	10.97	4.33	1.11	0.95	0.52	1.63	0.70	0.18	0.18	0.010	581	22	125			
AERCL227079	Stream	<0.1	<0.1	0.7	0.02	<0.1	<0.5	77.37	8.18	3.15	0.86	0.87	0.72	1.46	0.77	0.17	0.07	0.010	463	<20	108			
AERCL227080	Stream	<0.1	<0.1	0.5	0.03	<0.1	<0.5	70.35	8.13	3.92	1.01	1.59	0.99	1.46	0.61	0.23	0.03	0.009	556	<20	150			
AERCL227081	Pulp DUP	0.1	<0.1	0.7	0.04	0.2	0.6	72.08	10.47	3.45	0.95	0.84	0.71	1.65	0.72	0.17	0.04	0.011	712	<20	116			
AERCL227082	Stream	0.1	<0.1	1.2	0.04	0.2	0.5	67.31	11.47	5.97	1.23	1.09	1.06	1.80	0.73	0.25	0.06	0.015	740	32	159			
AERCL227083	Stream	0.1	<0.1	1.3	0.04	0.2	0.6	66.32	9.56	4.59	0.90	0.99	0.73	1.58	0.65	0.33	0.06	0.009	563	<20	122			
AERCL227084	Stream	<0.1	<0.1	0.7	0.04	0.1	<0.5	65.47	8.87	4.55	0.91	1.49	0.75	1.48	0.62	0.30	0.12	0.008	552	<20	137			
AERCL227085	Stream	0.1	<0.1	1.0	0.04	0.2	<0.5	73.75	9.13	2.94	0.77	0.94	0.86	1.64	0.69	0.20	0.04	0.009	548	<20	119			
AERCL227086	Stream	<0.1	<0.1	<0.5	0.04	0.1	0.5	66.63	8.30	4.84	0.72	1.05	0.75	1.41	0.57	0.29	0.07	0.009	581	<20	110			
AERCL227087	Stream	<0.1	<0.1	0.7	0.02	<0.1	<0.5	73.93	8.63	4.52	0.96	1.20	0.90	1.60	0.69	0.22	0.11	0.009	593	<20	127			
AERCL227088	Stream	<0.1	<0.1	0.8	0.03	0.1	<0.5	75.49	8.59	2.76	0.65	0.73	0.81	1.46	0.73	0.17	0.07	0.009	507	<20	117			
AERCL227089	Stream	0.1	<0.1	0.9	0.05	0.2	<0.5	71.81	10.47	3.46	0.96	0.84	0.74	1.77	0.68	0.17	0.04	0.012	701	21	116			
AERCL227090	Stream	0.1	<0.1	0.9	0.06	0.2	0.6	69.53	11.17	3.74	1.04	0.90	0.70	1.74	0.73	0.17	0.04	0.012	728	22	120			



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	Method Analyte Unit MDL	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERCL227061	Pulp DUP	593	29	17	9	7.0	99.96	1.04	12.60	8.30	69.9	81	16.1	8.8	458	1.93	8.3	1.3	0.7	5.0	41.2
AERCL227062	Stream	514	26	18	10	8.5	99.94	2.18	13.04	9.72	74.0	102	15.6	8.8	1502	2.34	7.4	1.5	0.9	5.2	45.7
AERCL227063	Stream	539	31	16	10	7.5	99.91	2.27	25.38	13.19	90.3	208	25.1	10.2	442	2.43	13.0	2.1	1.8	6.3	82.1
AERCL227064	Stream	306	22	13	10	8.1	99.93	2.76	22.86	14.38	75.6	172	17.2	6.3	228	2.43	12.4	2.2	1.4	6.2	82.5
AERCL227065	Stream	610	27	14	9	6.5	99.93	1.41	16.52	11.98	71.4	143	14.1	6.2	263	2.14	8.6	1.7	6.6	5.7	74.9
AERCL227066	Rock Pulp	164	11	16	9	0.9	99.85	12.11	156.50	274.79	213.6	112	80.0	49.3	279	1.62	9.7	0.4	38.0	3.1	33.1
AERCL227067	Stream	1119	39	14	8	5.3	99.94	0.84	11.09	8.97	61.9	100	13.5	7.5	544	1.77	6.4	1.3	0.6	5.6	51.8
AERCL227068	Stream	656	24	15	8	7.4	99.95	0.33	6.49	6.42	42.7	71	6.4	4.3	606	0.95	2.0	0.9	0.5	3.9	42.6
AERCL227069	Stream	500	23	12	8	7.2	99.94	0.30	8.82	8.41	43.9	78	10.4	4.0	199	1.01	2.2	1.3	0.8	4.9	31.5
AERCL227070	Stream	563	24	11	8	11.0	99.95	0.30	8.94	7.54	51.0	78	11.0	6.8	959	2.08	5.1	1.0	0.8	3.8	40.5
AERCL227071	Stream	281	26	11	11	8.7	99.91	0.96	21.45	12.06	87.1	93	28.7	10.5	540	3.11	11.5	1.4	1.3	5.7	57.0
AERCL227072	Stream	568	29	14	9	6.5	99.92	1.12	14.43	8.83	73.6	92	18.2	9.6	443	2.03	8.3	1.4	2.2	4.7	45.7
AERCL227073	Stream	551	28	13	8	7.1	99.93	1.11	13.95	8.87	73.5	91	18.3	9.8	476	2.01	8.1	1.4	1.1	4.8	44.7
AERCL227074	Stream	902	30	15	8	5.8	99.94	0.60	9.39	7.68	55.3	62	14.3	8.0	400	1.71	6.8	1.1	0.8	6.0	34.6
AERCL227075	Stream	765	25	11	7	6.3	99.95	0.31	7.80	6.22	41.8	58	10.2	5.2	191	1.17	2.9	1.2	1.0	5.2	26.5
AERCL227076	Stream	845	32	16	8	8.0	99.94	0.36	8.39	6.34	48.8	51	13.2	7.5	768	1.76	6.9	1.3	1.2	5.9	32.3
AERCL227077	Stream	698	29	15	8	14.3	99.94	1.07	9.58	6.73	55.1	66	12.1	6.9	1336	3.10	25.9	1.2	2.4	5.5	39.3
AERCL227078	Stream	585	29	16	10	9.0	99.91	0.79	12.83	10.56	67.1	86	14.2	9.7	1326	1.83	8.1	1.1	0.8	6.4	58.5
AERCL227079	Stream	1325	36	20	8	6.0	99.94	0.22	6.62	7.12	51.9	53	9.8	6.4	522	1.54	3.7	0.8	0.8	5.7	30.3
AERCL227080	Stream	683	26	12	8	11.4	99.95	0.20	6.28	5.94	58.4	45	10.9	4.7	190	2.18	2.7	0.6	0.4	3.5	46.2
AERCL227081	Pulp DUP	533	24	18	10	8.7	99.93	0.54	10.09	9.10	67.9	80	16.2	7.8	241	1.76	6.6	1.3	0.9	4.0	41.8
AERCL227082	Stream	525	25	10	11	8.8	99.93	0.56	16.39	10.61	83.8	74	26.4	12.8	386	3.07	13.0	0.9	1.3	5.4	45.4
AERCL227083	Stream	449	24	14	8	14.1	99.94	0.59	10.37	8.79	58.6	78	12.8	5.1	414	2.50	4.0	1.2	1.0	4.2	39.5
AERCL227084	Stream	565	23	15	8	15.2	99.94	0.39	7.22	9.00	56.3	70	12.0	7.7	873	2.30	5.7	0.8	0.7	3.4	51.5
AERCL227085	Stream	594	26	12	8	8.8	99.95	0.29	10.58	8.51	55.1	84	13.1	6.5	229	1.41	3.8	1.0	0.8	4.5	33.8
AERCL227086	Stream	556	22	9	7	15.2	99.94	0.57	7.51	5.77	51.4	64	10.0	5.5	470	2.65	6.6	1.0	0.5	3.3	31.8
AERCL227087	Stream	985	28	16	8	7.0	99.94	0.31	6.05	7.29	47.8	53	9.8	6.5	665	2.16	5.0	0.7	5.7	5.3	27.5
AERCL227088	Stream	882	27	15	8	8.3	99.95	0.15	5.69	6.11	43.4	57	7.3	4.0	479	1.38	1.9	0.8	0.5	5.2	30.6
AERCL227089	Stream	455	23	14	10	8.8	99.93	0.49	10.39	9.13	69.7	79	16.5	7.9	254	1.73	6.5	1.2	0.9	3.8	44.0
AERCL227090	Stream	473	25	19	11	10.0	99.93	0.60	11.30	9.88	73.9	85	17.6	8.4	249	1.87	6.9	1.4	0.9	4.0	45.5



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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			
					Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
					ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
					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	0.1	0.02	0.02	5
AERCL227061	Pulp DUP	0.25	0.21	0.11	25	0.43	0.075	15.7	13.5	0.29	163.9	0.008	7	0.80	0.007	0.10	<0.1	2.7	0.18	0.11	36			
AERCL227062	Stream	0.25	0.31	0.13	32	0.46	0.071	15.3	12.0	0.32	161.6	0.005	8	0.78	0.008	0.13	<0.1	2.8	0.20	0.21	38			
AERCL227063	Stream	0.37	0.40	0.23	28	0.59	0.081	14.9	17.4	0.38	176.6	0.006	11	0.83	0.035	0.14	<0.1	3.5	0.24	0.68	80			
AERCL227064	Stream	0.20	0.33	0.26	25	0.24	0.078	13.8	15.5	0.25	235.5	0.004	11	0.75	0.034	0.16	<0.1	3.4	0.23	0.52	95			
AERCL227065	Stream	0.14	0.21	0.21	18	0.27	0.075	13.5	13.1	0.24	199.4	0.003	9	0.70	0.029	0.13	<0.1	2.7	0.16	0.50	61			
AERCL227066	Rock Pulp	0.50	0.18	0.15	24	0.59	0.054	24.9	32.0	0.50	62.8	0.071	2	0.85	0.109	0.12	<0.1	3.1	0.08	0.04	15			
AERCL227067	Stream	0.21	0.13	0.13	14	0.43	0.069	16.6	10.2	0.28	161.9	0.004	9	0.60	0.015	0.10	<0.1	2.3	0.13	0.39	31			
AERCL227068	Stream	0.15	0.07	0.11	13	0.36	0.046	14.2	9.3	0.15	125.0	0.002	7	0.64	0.013	0.09	<0.1	1.7	0.13	0.05	22			
AERCL227069	Stream	0.08	0.10	0.11	20	0.34	0.039	16.8	15.7	0.20	123.3	0.004	5	0.87	0.006	0.07	<0.1	2.9	0.15	0.03	43			
AERCL227070	Stream	0.14	0.12	0.11	19	0.38	0.089	14.5	13.7	0.19	134.9	0.004	7	0.75	0.006	0.08	<0.1	2.5	0.13	0.12	50			
AERCL227071	Stream	0.26	0.32	0.16	41	0.53	0.111	18.6	27.1	0.42	181.1	0.008	8	1.30	0.009	0.14	<0.1	5.0	0.16	0.02	49			
AERCL227072	Stream	0.25	0.26	0.14	25	0.47	0.074	16.7	15.2	0.33	169.6	0.009	6	0.85	0.008	0.11	<0.1	3.0	0.18	0.15	41			
AERCL227073	Stream	0.27	0.26	0.14	24	0.45	0.074	17.3	15.7	0.31	167.8	0.009	6	0.85	0.007	0.10	<0.1	3.0	0.19	0.12	43			
AERCL227074	Stream	0.20	0.18	0.11	20	0.52	0.066	19.5	13.7	0.33	105.4	0.010	6	0.69	0.007	0.09	<0.1	2.4	0.14	0.10	27			
AERCL227075	Stream	0.14	0.10	0.09	18	0.37	0.050	19.3	12.7	0.23	95.4	0.010	5	0.72	0.006	0.08	<0.1	2.1	0.12	0.05	20			
AERCL227076	Stream	0.15	0.12	0.09	21	0.69	0.073	21.6	15.3	0.40	120.9	0.011	6	0.80	0.007	0.09	<0.1	2.5	0.12	0.07	33			
AERCL227077	Stream	0.21	0.15	0.10	21	0.56	0.195	19.7	15.2	0.22	209.5	0.008	6	0.84	0.006	0.08	<0.1	2.6	0.13	0.19	39			
AERCL227078	Stream	0.21	0.12	0.18	15	0.55	0.070	19.2	11.0	0.30	200.6	0.002	10	0.77	0.013	0.12	<0.1	2.7	0.15	0.12	30			
AERCL227079	Stream	0.10	0.09	0.09	16	0.45	0.071	18.5	11.5	0.31	90.5	0.005	8	0.65	0.008	0.09	<0.1	2.2	0.09	0.05	21			
AERCL227080	Stream	0.10	0.13	0.07	23	0.85	0.097	13.9	15.0	0.43	144.2	0.007	8	0.75	0.011	0.07	<0.1	3.0	0.08	0.10	37			
AERCL227081	Pulp DUP	0.12	0.18	0.13	28	0.46	0.065	12.7	16.5	0.30	143.8	0.004	6	1.00	0.008	0.11	<0.1	3.1	0.16	0.28	48			
AERCL227082	Stream	0.16	0.31	0.12	33	0.43	0.096	18.0	21.8	0.40	171.5	0.010	6	1.17	0.011	0.12	<0.1	4.4	0.14	0.04	43			
AERCL227083	Stream	0.16	0.21	0.12	23	0.50	0.134	15.0	15.8	0.30	142.7	0.005	9	0.83	0.008	0.12	<0.1	2.9	0.15	0.21	43			
AERCL227084	Stream	0.13	0.25	0.11	21	0.75	0.116	15.1	14.0	0.28	119.8	0.004	7	0.77	0.007	0.09	<0.1	2.3	0.13	0.14	44			
AERCL227085	Stream	0.16	0.15	0.11	20	0.45	0.077	15.9	13.6	0.24	88.7	0.006	6	0.73	0.005	0.09	<0.1	2.6	0.14	0.11	42			
AERCL227086	Stream	0.20	0.12	0.08	19	0.54	0.120	11.9	12.3	0.21	180.5	0.004	8	0.75	0.006	0.09	<0.1	2.2	0.11	0.26	39			
AERCL227087	Stream	0.08	0.18	0.08	19	0.46	0.085	16.8	13.1	0.30	132.6	0.006	7	0.70	0.007	0.09	<0.1	2.3	0.11	0.22	27			
AERCL227088	Stream	0.09	0.06	0.08	17	0.31	0.068	16.7	12.4	0.19	95.2	0.004	7	0.73	0.006	0.07	<0.1	2.3	0.11	0.07	30			
AERCL227089	Stream	0.12	0.17	0.13	29	0.46	0.067	11.6	17.1	0.30	142.4	0.004	6	1.02	0.008	0.11	<0.1	3.2	0.15	0.25	47			
AERCL227090	Stream	0.14	0.19	0.14	30	0.50	0.069	12.8	17.5	0.32	150.8	0.004	6	1.06	0.008	0.11	<0.1	3.4	0.16	0.31	60			



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		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERCL227061	Pulp DUP	0.2	0.02	2.7	0.79	<0.1	0.07	0.26	11.8	0.4	<0.05	4.1	9.93	33.6	<0.02	2	0.8	11.0	4.01	15.61	2.77
AERCL227062	Stream	1.0	0.06	2.8	0.88	<0.1	0.09	0.16	12.7	0.4	<0.05	5.1	8.36	31.1	<0.02	7	0.6	10.9	3.44	14.26	2.82
AERCL227063	Stream	1.4	0.09	2.9	1.20	<0.1	0.17	0.17	14.3	0.5	<0.05	8.9	13.88	31.9	0.03	6	0.7	14.4	4.04	15.79	3.44
AERCL227064	Stream	1.4	0.09	2.9	1.22	<0.1	0.15	0.19	15.8	0.5	<0.05	8.0	9.93	27.7	0.03	6	0.6	11.2	3.31	13.12	2.75
AERCL227065	Stream	0.8	0.06	2.5	1.12	<0.1	0.11	0.15	13.5	0.4	<0.05	6.3	9.82	28.0	0.02	2	0.6	10.9	3.44	13.14	2.75
AERCL227066	Rock Pulp	<0.1	<0.02	2.8	1.16	<0.1	0.18	0.37	7.4	2.3	<0.05	6.1	5.81	43.6	0.04	<1	0.2	8.6	5.28	17.76	2.67
AERCL227067	Stream	0.5	0.04	2.1	0.90	<0.1	0.13	0.10	11.1	0.4	<0.05	6.6	12.75	36.1	<0.02	1	0.6	9.5	4.42	17.07	3.49
AERCL227068	Stream	0.3	0.02	1.8	0.65	<0.1	0.04	0.15	12.6	0.3	<0.05	1.9	6.47	29.7	<0.02	1	0.4	5.6	3.42	12.75	2.43
AERCL227069	Stream	0.4	<0.02	2.9	0.76	<0.1	0.10	0.30	14.1	0.4	<0.05	4.8	8.93	37.2	<0.02	<1	0.5	10.4	4.46	16.56	3.25
AERCL227070	Stream	0.4	0.02	2.5	0.61	<0.1	0.06	0.28	11.6	0.4	<0.05	2.7	8.38	31.0	<0.02	2	0.4	9.5	3.79	14.45	2.82
AERCL227071	Stream	0.7	0.05	4.4	0.89	<0.1	0.18	0.30	16.8	0.5	<0.05	10.9	15.37	39.6	0.03	<1	0.8	15.3	5.06	20.08	4.23
AERCL227072	Stream	0.6	0.03	2.8	0.83	<0.1	0.08	0.27	13.2	0.4	<0.05	4.8	11.60	35.7	0.02	3	0.6	11.1	4.39	17.01	3.42
AERCL227073	Stream	0.7	0.03	2.8	0.83	<0.1	0.07	0.30	13.2	0.4	<0.05	4.1	11.22	38.0	<0.02	4	0.5	11.1	4.58	17.59	3.51
AERCL227074	Stream	0.4	0.03	2.2	0.75	<0.1	0.09	0.29	12.0	0.4	<0.05	5.2	10.11	41.2	<0.02	2	0.5	8.9	4.94	18.50	3.55
AERCL227075	Stream	0.3	<0.02	2.3	0.60	<0.1	0.07	0.38	12.5	0.4	<0.05	3.4	8.63	40.3	<0.02	2	0.4	8.0	4.85	17.95	3.33
AERCL227076	Stream	0.4	<0.02	2.5	0.60	<0.1	0.06	0.42	11.8	0.3	<0.05	3.2	10.13	45.2	<0.02	1	0.4	10.1	5.53	20.31	3.78
AERCL227077	Stream	0.7	0.02	2.7	0.45	<0.1	0.06	0.49	11.8	0.4	<0.05	3.2	11.47	41.3	<0.02	3	0.6	8.6	5.00	18.73	3.57
AERCL227078	Stream	0.5	0.05	2.4	1.01	<0.1	0.09	0.12	14.8	0.5	<0.05	5.5	13.18	41.3	0.02	1	0.8	8.9	4.92	18.67	3.81
AERCL227079	Stream	0.2	0.02	2.2	0.75	<0.1	0.10	0.18	10.8	0.4	<0.05	5.1	9.40	39.8	<0.02	<1	0.5	8.6	4.73	17.91	3.43
AERCL227080	Stream	0.3	<0.02	2.6	0.57	<0.1	0.09	0.35	10.5	0.3	<0.05	3.9	8.57	30.1	<0.02	<1	0.4	10.0	3.63	13.84	2.74
AERCL227081	Pulp DUP	0.6	0.03	3.2	0.79	<0.1	0.10	0.32	16.8	0.4	<0.05	5.2	8.47	26.5	0.02	5	0.6	15.6	3.12	12.59	2.57
AERCL227082	Stream	0.4	0.03	3.8	0.83	<0.1	0.11	0.32	14.0	0.4	<0.05	6.2	11.93	39.3	0.03	1	0.7	15.7	4.79	18.30	3.70
AERCL227083	Stream	0.5	0.03	2.8	0.66	<0.1	0.08	0.37	12.1	0.5	<0.05	4.4	9.83	33.1	<0.02	3	0.5	11.6	3.95	15.22	3.06
AERCL227084	Stream	0.4	0.03	2.5	0.55	<0.1	0.04	0.36	13.5	0.4	<0.05	2.0	8.33	32.5	<0.02	2	0.5	11.0	3.89	14.73	2.84
AERCL227085	Stream	0.4	0.02	2.5	0.55	<0.1	0.10	0.35	11.8	0.3	<0.05	4.9	10.41	34.8	<0.02	2	0.5	9.4	4.27	16.28	3.26
AERCL227086	Stream	0.5	<0.02	2.4	0.44	<0.1	0.06	0.35	11.5	0.3	<0.05	2.9	7.09	25.5	<0.02	3	0.4	11.0	2.96	11.77	2.28
AERCL227087	Stream	0.2	<0.02	2.3	0.57	<0.1	0.04	0.26	11.2	0.4	<0.05	2.6	8.38	36.2	<0.02	<1	0.5	9.5	4.25	15.95	3.00
AERCL227088	Stream	0.2	<0.02	2.4	0.63	<0.1	0.08	0.29	13.5	0.4	<0.05	3.8	7.37	35.4	<0.02	<1	0.4	9.9	4.23	15.66	2.96
AERCL227089	Stream	0.6	0.03	3.3	0.71	<0.1	0.10	0.32	16.5	0.4	<0.05	5.1	8.33	25.2	0.02	6	0.6	16.7	2.94	11.90	2.46
AERCL227090	Stream	0.7	0.03	3.4	0.75	<0.1	0.10	0.36	17.5	0.4	<0.05	5.5	9.09	26.9	0.02	6	0.6	17.0	3.17	12.76	2.65



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERCL227061	Pulp DUP	0.52	2.68	0.37	2.04	0.35	0.95	0.12	0.77	0.10	<10	<2
AERCL227062	Stream	0.48	2.41	0.30	1.94	0.33	0.85	0.11	0.60	0.09	<10	<2
AERCL227063	Stream	0.70	3.15	0.44	2.54	0.46	1.21	0.16	0.95	0.13	<10	<2
AERCL227064	Stream	0.56	2.39	0.34	1.92	0.34	0.90	0.11	0.70	0.10	<10	<2
AERCL227065	Stream	0.54	2.41	0.34	1.91	0.34	0.91	0.12	0.73	0.10	<10	<2
AERCL227066	Rock Pulp	0.57	1.72	0.21	1.15	0.20	0.55	0.07	0.45	0.06	46	27
AERCL227067	Stream	0.67	3.04	0.42	2.39	0.43	1.16	0.15	0.93	0.13	<10	<2
AERCL227068	Stream	0.40	1.88	0.25	1.34	0.22	0.59	0.08	0.47	0.06	<10	<2
AERCL227069	Stream	0.58	2.57	0.35	1.90	0.32	0.85	0.11	0.65	0.09	<10	<2
AERCL227070	Stream	0.51	2.30	0.31	1.70	0.29	0.79	0.10	0.61	0.09	<10	<2
AERCL227071	Stream	0.93	3.73	0.52	2.94	0.53	1.41	0.19	1.15	0.16	<10	<2
AERCL227072	Stream	0.65	2.89	0.40	2.24	0.39	1.05	0.13	0.83	0.11	<10	<2
AERCL227073	Stream	0.65	2.92	0.40	2.22	0.39	1.05	0.13	0.81	0.11	<10	<2
AERCL227074	Stream	0.58	2.83	0.38	2.07	0.35	0.94	0.12	0.73	0.10	<10	<2
AERCL227075	Stream	0.51	2.54	0.33	1.76	0.30	0.79	0.10	0.60	0.08	<10	<2
AERCL227076	Stream	0.56	2.94	0.38	2.07	0.35	0.93	0.12	0.73	0.10	<10	<2
AERCL227077	Stream	0.59	2.95	0.39	2.19	0.39	1.03	0.13	0.81	0.11	<10	<2
AERCL227078	Stream	0.73	3.22	0.45	2.56	0.46	1.25	0.16	1.01	0.14	<10	<2
AERCL227079	Stream	0.59	2.70	0.35	1.94	0.34	0.89	0.11	0.70	0.09	<10	<2
AERCL227080	Stream	0.50	2.25	0.30	1.65	0.29	0.77	0.10	0.61	0.08	<10	<2
AERCL227081	Pulp DUP	0.50	2.25	0.31	1.72	0.30	0.81	0.10	0.63	0.09	<10	<2
AERCL227082	Stream	0.73	3.14	0.43	2.38	0.43	1.12	0.14	0.89	0.12	<10	2
AERCL227083	Stream	0.58	2.59	0.35	1.99	0.35	0.92	0.12	0.71	0.10	<10	<2
AERCL227084	Stream	0.51	2.30	0.31	1.73	0.29	0.79	0.10	0.62	0.08	<10	<2
AERCL227085	Stream	0.61	2.75	0.37	2.06	0.36	0.96	0.12	0.73	0.10	<10	<2
AERCL227086	Stream	0.43	1.95	0.25	1.42	0.25	0.66	0.08	0.50	0.07	<10	<2
AERCL227087	Stream	0.49	2.36	0.31	1.70	0.29	0.78	0.10	0.61	0.08	<10	<2
AERCL227088	Stream	0.47	2.24	0.29	1.57	0.27	0.69	0.09	0.54	0.07	<10	<2
AERCL227089	Stream	0.49	2.12	0.30	1.68	0.29	0.78	0.10	0.62	0.08	<10	<2
AERCL227090	Stream	0.54	2.37	0.33	1.82	0.32	0.87	0.11	0.68	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
AERCL227091	Stream	2.30	684	2	10.0	3.5	11.6	13.5	11.4	68.6	1	131.8	0.7	8.8	2.8	107	1.4	563.3	25.6	29.7	57.5
AERCL227092	Rock Pulp	0.06	479	<1	54.0	2.1	13.7	4.1	16.5	37.5	6	408.6	0.4	3.8	0.7	57	5.5	159.1	11.1	31.1	55.9
AERCL227093	Stream	1.87	687	<1	10.7	4.4	12.0	13.9	13.1	77.4	1	127.2	0.7	11.3	3.7	114	5.5	558.3	25.7	33.2	65.9
AERCL227094	Stream	2.17	609	2	11.6	4.4	13.3	9.7	12.1	81.9	1	155.4	0.9	10.4	2.7	114	6.3	394.1	25.1	35.4	68.9
AERCL227095	Stream	1.79	572	2	6.0	3.2	10.5	14.5	12.3	63.9	<1	128.3	0.8	9.1	2.8	83	6.1	587.1	24.1	29.9	58.9
AERCL227096	Stream	2.67	525	2	9.7	3.3	10.6	19.5	13.1	63.3	1	137.0	1.0	12.2	3.6	78	3.6	813.8	27.9	37.0	74.8
AERCL227097	Stream	2.09	720	1	10.6	5.7	15.6	11.8	15.1	89.9	2	146.8	1.0	12.6	4.0	128	5.3	463.3	28.6	37.9	70.7
AERCL227098	Stream	1.80	600	4	6.8	3.1	10.3	15.1	12.1	58.2	<1	118.3	0.7	10.0	3.3	92	1.2	632.6	28.1	31.6	58.9
AERCL227099	Stream	2.40	728	<1	11.0	4.2	13.1	11.8	14.0	81.0	2	119.1	0.9	10.9	3.8	130	1.3	490.1	26.7	31.2	62.9
AERCL227100	Stream	2.44	759	4	9.7	4.8	13.6	14.7	15.9	78.4	2	189.2	1.0	11.4	3.7	105	1.3	623.5	30.5	33.2	64.3
AERCL227101	Pulp DUP		569	<1	7.8	2.7	9.5	23.9	14.3	59.5	1	113.0	1.0	11.7	3.6	86	1.1	977.8	33.4	37.5	76.0
AERCL227102	Stream	2.17	687	<1	11.9	2.8	12.0	14.3	12.6	64.0	1	163.9	0.8	10.4	3.3	96	1.0	592.7	28.5	30.8	60.2
AERCL227103	Stream	2.64	615	<1	9.3	2.7	10.0	23.7	14.7	56.9	1	134.8	0.9	14.1	4.3	86	1.2	983.2	36.1	40.8	82.4
AERCL227104	Stream	2.50	621	2	10.1	2.5	10.0	21.5	13.6	55.7	1	142.1	1.1	12.0	4.2	91	1.1	907.8	32.5	37.9	75.9
AERCL227105	Rock Pulp	0.06	461	2	49.6	1.8	14.2	3.9	16.8	37.8	6	412.7	0.3	4.0	0.9	60	<0.5	163.2	11.0	29.8	55.5
AERCL227106	Stream	2.17	512	<1	6.4	3.4	10.9	13.3	12.5	68.4	1	140.0	1.1	10.2	4.1	87	1.4	551.3	25.5	32.3	62.6
AERCL227107	Stream	2.52	530	2	8.8	3.3	11.6	14.3	12.4	73.5	1	126.6	0.9	10.4	3.1	88	1.3	578.0	28.2	33.0	64.2
AERCL227108	Stream	2.21	653	8	10.2	3.4	10.4	7.8	10.6	68.5	1	133.7	0.8	8.5	2.6	91	0.8	304.2	24.0	26.5	52.1
AERCL227109	Stream	2.22	615	<1	8.3	2.8	9.6	12.5	11.8	61.1	1	114.5	0.7	9.5	3.1	86	1.2	511.7	26.3	29.1	57.7
AERCL227110	Stream	2.70	541	2	6.8	2.7	9.2	22.6	12.9	57.4	1	110.7	0.9	11.8	3.2	73	1.1	914.6	30.1	31.9	63.5
AERCL227111	Stream	2.54	772	5	10.6	4.6	12.3	11.4	13.9	85.5	2	116.1	0.9	10.9	5.0	171	1.6	491.2	33.5	36.2	70.8
AERCL227112	Stream	2.60	519	<1	5.7	2.4	8.8	22.5	12.3	56.5	1	115.8	0.8	11.8	3.6	63	1.3	894.8	28.0	35.4	70.0
AERCL227113	Stream	2.37	508	3	5.7	2.9	10.6	12.4	11.6	66.3	2	117.6	0.8	8.8	2.9	74	1.1	510.2	22.4	28.6	58.1
AERCL227114	Stream	2.14	644	7	7.7	3.6	10.8	12.6	11.8	73.1	<1	110.6	0.7	9.4	3.2	107	1.3	491.7	22.9	28.6	55.1
AERCL227115	Stream	2.29	545	4	5.7	2.9	9.0	9.3	9.9	53.7	<1	103.5	0.7	7.9	2.7	71	1.0	390.3	18.9	25.0	48.0
AERCL227116	Stream	2.51	723	4	8.3	4.1	10.8	14.2	13.3	70.0	1	97.6	0.9	9.5	3.3	125	1.2	559.5	27.1	28.9	55.3
AERCL227117	Stream	2.75	539	<1	6.9	2.4	7.7	27.4	13.3	51.8	<1	106.6	0.9	12.8	3.9	71	0.8	1084.7	32.3	37.7	75.0
AERCL227118	Stream	2.63	549	<1	7.4	2.6	8.3	23.4	13.3	55.0	1	112.3	1.1	12.5	4.2	75	1.1	955.8	35.6	37.2	72.9
AERCL227119	Stream	2.51	536	2	5.6	3.1	9.9	12.8	11.5	65.5	1	118.4	0.8	10.4	2.7	87	1.3	521.3	22.7	31.2	60.3
AERCL227120	Stream	2.66	570	2	11.2	3.8	11.8	16.2	13.2	70.4	1	115.6	0.8	11.4	3.4	101	1.4	645.6	26.9	35.7	69.9



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		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
AERCL227091	Stream	6.85	25.4	4.66	0.93	4.11	0.68	4.12	0.88	2.68	0.40	3.02	0.47	0.7	11.1	10.1	72	19.6	12.9	0.2	0.2
AERCL227092	Rock Pulp	6.71	24.4	3.88	0.98	2.78	0.39	2.12	0.43	1.09	0.16	1.09	0.15	12.5	154.3	278.0	203	77.8	10.0	0.6	0.2
AERCL227093	Stream	7.61	28.5	5.16	1.02	4.86	0.75	4.67	0.98	2.92	0.44	3.04	0.51	0.6	13.4	10.7	76	17.9	7.2	0.2	<0.1
AERCL227094	Stream	8.23	30.5	5.48	1.09	4.81	0.75	4.34	0.88	2.75	0.39	2.78	0.41	0.6	11.2	11.1	73	17.0	17.8	0.1	0.2
AERCL227095	Stream	6.78	24.0	4.57	0.86	4.04	0.65	3.95	0.87	2.59	0.42	2.82	0.44	0.2	6.0	5.9	42	7.5	3.9	<0.1	<0.1
AERCL227096	Stream	8.83	33.3	5.71	1.13	5.08	0.82	4.93	1.08	3.34	0.52	3.45	0.53	0.3	9.5	8.6	53	13.1	4.5	0.1	0.1
AERCL227097	Stream	8.23	30.8	5.61	1.06	4.86	0.77	4.77	1.01	2.95	0.44	3.36	0.48	0.4	13.7	12.8	65	11.1	6.6	<0.1	0.1
AERCL227098	Stream	7.34	28.3	5.46	0.97	4.92	0.76	4.38	1.01	2.94	0.46	3.05	0.50	0.4	8.8	7.1	52	11.3	5.1	0.2	0.1
AERCL227099	Stream	7.61	28.2	5.25	1.05	4.80	0.76	4.70	0.96	2.90	0.46	2.98	0.49	0.8	17.2	13.7	88	19.2	6.3	0.2	0.2
AERCL227100	Stream	7.45	27.5	5.43	1.03	4.67	0.73	4.76	1.04	3.07	0.48	3.30	0.54	0.6	16.8	13.4	76	17.1	7.9	0.2	<0.1
AERCL227101	Pulp DUP	8.70	33.0	6.06	1.11	5.62	0.93	5.53	1.18	3.79	0.59	3.95	0.65	0.7	10.3	8.0	52	15.2	7.9	0.2	0.2
AERCL227102	Stream	7.36	26.8	5.13	1.11	4.80	0.75	4.42	0.98	3.09	0.49	3.25	0.52	0.6	13.6	8.3	60	20.2	7.8	0.3	0.1
AERCL227103	Stream	9.89	36.6	6.57	1.25	5.98	0.94	6.13	1.26	3.84	0.60	4.16	0.66	1.0	12.1	9.2	54	20.0	6.9	0.2	0.2
AERCL227104	Stream	9.03	33.3	6.35	1.13	5.61	0.91	5.70	1.17	3.54	0.55	3.78	0.62	0.9	14.8	9.7	60	23.2	7.4	0.2	0.2
AERCL227105	Rock Pulp	6.77	22.5	3.91	1.04	2.89	0.39	2.02	0.39	1.17	0.17	1.08	0.16	12.5	156.5	281.6	215	80.8	10.3	0.6	0.2
AERCL227106	Stream	7.43	27.8	4.78	0.90	4.39	0.69	4.32	0.91	2.88	0.44	3.13	0.48	0.1	8.7	9.4	31	9.7	2.3	0.1	<0.1
AERCL227107	Stream	7.76	28.6	5.32	0.94	4.55	0.76	4.59	0.97	2.86	0.45	3.01	0.48	0.4	10.9	9.1	55	14.3	4.3	0.1	0.1
AERCL227108	Stream	6.32	23.1	4.49	0.87	4.02	0.64	3.85	0.82	2.60	0.37	2.45	0.38	0.4	10.9	9.4	68	16.2	14.9	0.2	0.1
AERCL227109	Stream	6.95	27.2	4.92	1.00	4.46	0.70	4.46	0.92	2.75	0.41	2.83	0.45	0.4	9.1	7.7	60	12.8	7.4	0.2	<0.1
AERCL227110	Stream	7.86	28.3	5.25	1.04	4.88	0.78	5.00	1.09	3.34	0.51	3.68	0.63	0.8	8.4	7.5	42	12.0	10.4	0.1	<0.1
AERCL227111	Stream	9.03	33.5	6.55	1.36	6.19	0.98	5.70	1.14	3.48	0.52	3.55	0.57	2.2	21.9	14.3	101	27.2	17.5	0.4	0.3
AERCL227112	Stream	8.35	30.4	5.47	0.97	4.81	0.77	4.64	1.06	3.50	0.51	3.53	0.59	0.2	5.5	7.4	43	7.7	3.8	<0.1	<0.1
AERCL227113	Stream	6.65	24.2	4.39	0.86	3.84	0.64	3.94	0.85	2.73	0.40	2.84	0.46	0.2	7.8	8.4	44	9.1	2.6	<0.1	<0.1
AERCL227114	Stream	6.49	24.1	4.35	0.86	3.90	0.62	3.80	0.78	2.68	0.36	2.80	0.44	0.3	8.9	8.6	56	13.1	3.6	0.1	<0.1
AERCL227115	Stream	5.90	21.7	3.91	0.74	3.40	0.55	3.41	0.73	2.28	0.31	2.21	0.35	0.3	7.4	7.2	39	11.2	2.3	0.2	<0.1
AERCL227116	Stream	6.82	25.5	4.47	0.95	4.30	0.72	4.46	0.93	2.91	0.46	3.07	0.50	0.6	12.8	9.9	76	17.7	9.0	<0.1	0.1
AERCL227117	Stream	9.11	34.6	6.30	1.12	5.78	0.91	5.44	1.22	3.78	0.57	3.97	0.67	0.6	8.4	7.6	46	13.2	6.8	0.2	0.1
AERCL227118	Stream	9.13	34.1	6.53	1.09	5.87	0.96	6.00	1.23	4.05	0.60	4.30	0.68	0.8	10.0	9.1	53	15.4	8.5	0.1	0.1
AERCL227119	Stream	7.34	29.0	5.12	0.91	4.32	0.66	3.90	0.85	2.57	0.41	2.65	0.45	0.3	8.5	8.5	57	12.3	3.1	0.1	<0.1
AERCL227120	Stream	8.36	30.7	5.54	1.06	5.01	0.78	4.76	0.99	3.21	0.47	3.16	0.55	0.5	11.5	9.5	64	17.3	6.3	0.1	0.1



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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
AERCL227091	Stream	0.1	<0.1	<0.5	0.05	0.1	0.6	68.83	9.80	4.87	1.02	1.34	0.76	1.66	0.65	0.25	0.08	0.011	667	23	127
AERCL227092	Rock Pulp	0.1	0.1	40.4	0.02	<0.1	<0.5	72.22	12.01	4.02	1.71	3.29	3.45	1.39	0.38	0.11	0.06	0.015	461	85	396
AERCL227093	Stream	0.2	<0.1	<0.5	0.04	0.2	<0.5	70.19	10.36	4.35	1.00	1.01	0.67	1.77	0.68	0.22	0.08	0.011	656	21	121
AERCL227094	Stream	0.1	<0.1	0.7	0.04	0.1	0.6	62.59	11.22	6.61	1.20	1.70	0.63	1.80	0.63	0.32	0.13	0.010	608	<20	150
AERCL227095	Stream	<0.1	<0.1	<0.5	0.03	0.1	<0.5	74.19	8.87	3.16	0.71	0.80	0.79	1.57	0.63	0.21	0.07	0.010	543	<20	117
AERCL227096	Stream	0.1	<0.1	1.4	0.03	0.1	<0.5	72.12	8.94	3.91	0.90	1.12	0.76	1.55	0.70	0.18	0.09	0.010	514	<20	127
AERCL227097	Stream	0.2	0.1	1.3	0.04	0.1	<0.5	67.52	12.35	4.98	1.27	0.88	0.58	1.94	0.68	0.18	0.08	0.011	699	<20	137
AERCL227098	Stream	<0.1	<0.1	0.8	0.04	0.1	<0.5	75.02	8.39	2.28	0.72	0.89	0.82	1.57	0.64	0.12	0.03	0.009	582	<20	110
AERCL227099	Stream	0.3	0.1	2.3	0.10	0.2	0.5	71.20	11.38	3.65	0.99	0.57	0.81	2.19	0.74	0.16	0.04	0.012	759	20	118
AERCL227100	Stream	0.2	<0.1	<0.5	0.03	0.1	<0.5	71.96	11.23	3.93	1.06	0.58	0.71	1.89	0.72	0.13	0.04	0.010	767	<20	175
AERCL227101	Pulp DUP	0.1	<0.1	0.7	0.03	0.1	0.7	73.83	8.09	3.73	1.20	1.71	0.80	1.65	0.73	0.20	0.06	0.009	559	20	114
AERCL227102	Stream	<0.1	<0.1	<0.5	0.04	0.2	<0.5	73.24	10.12	3.71	0.89	0.97	1.07	1.66	0.71	0.15	0.08	0.012	654	<20	143
AERCL227103	Stream	<0.1	<0.1	<0.5	0.03	0.2	<0.5	76.42	8.99	3.61	0.92	1.08	1.01	1.70	0.83	0.18	0.05	0.012	629	<20	129
AERCL227104	Stream	0.1	<0.1	<0.5	0.04	0.2	<0.5	74.69	9.38	3.71	1.23	1.53	1.03	1.70	0.80	0.19	0.05	0.013	647	21	137
AERCL227105	Rock Pulp	0.1	0.1	39.0	0.02	<0.1	<0.5	72.00	12.10	4.03	1.73	3.29	3.41	1.43	0.38	0.12	0.07	0.015	465	85	393
AERCL227106	Stream	0.1	<0.1	1.1	0.04	0.1	0.8	70.75	9.91	2.96	0.80	1.17	0.82	1.58	0.66	0.16	0.04	0.009	534	<20	135
AERCL227107	Stream	0.1	<0.1	<0.5	0.03	0.1	0.5	72.34	9.82	3.55	0.99	1.12	0.77	1.78	0.68	0.17	0.07	0.009	537	<20	118
AERCL227108	Stream	0.2	<0.1	0.7	0.04	0.2	0.6	59.39	9.31	5.20	1.39	2.50	0.62	1.67	0.56	0.51	0.37	0.008	698	<20	131
AERCL227109	Stream	<0.1	<0.1	<0.5	0.04	0.1	<0.5	73.58	8.50	4.18	0.89	1.12	0.82	1.65	0.62	0.24	0.10	0.009	612	<20	111
AERCL227110	Stream	<0.1	<0.1	1.2	0.05	0.1	<0.5	72.59	8.34	4.02	0.83	1.13	0.80	1.57	0.70	0.22	0.08	0.009	573	<20	110
AERCL227111	Stream	0.2	0.2	2.0	0.08	0.4	1.4	69.66	11.06	4.73	1.03	0.70	0.67	2.09	0.73	0.26	0.03	0.013	801	31	112
AERCL227112	Stream	<0.1	<0.1	1.2	0.04	0.1	<0.5	74.75	8.34	3.57	0.68	0.87	0.86	1.53	0.73	0.21	0.10	0.008	532	<20	115
AERCL227113	Stream	<0.1	<0.1	<0.5	0.03	0.1	0.6	71.88	9.23	3.12	0.71	0.85	0.75	1.58	0.63	0.17	0.09	0.007	528	<20	120
AERCL227114	Stream	<0.1	<0.1	2.2	0.05	0.1	0.6	72.37	10.05	3.20	0.85	0.79	0.78	1.68	0.69	0.17	0.05	0.010	671	<20	113
AERCL227115	Stream	<0.1	<0.1	0.8	0.05	0.1	<0.5	64.70	8.31	3.14	0.69	1.19	0.67	1.31	0.53	0.20	0.09	0.007	546	<20	106
AERCL227116	Stream	0.1	<0.1	0.7	0.05	0.1	0.6	74.61	9.87	3.58	0.95	0.68	0.71	1.79	0.74	0.17	0.02	0.012	735	<20	99
AERCL227117	Stream	<0.1	<0.1	<0.5	0.04	0.1	0.6	76.06	7.73	3.49	1.09	1.54	0.81	1.57	0.72	0.19	0.06	0.010	564	<20	108
AERCL227118	Stream	0.1	<0.1	1.0	0.04	0.2	0.9	74.50	8.15	3.87	1.24	1.78	0.81	1.64	0.74	0.19	0.06	0.009	576	<20	113
AERCL227119	Stream	<0.1	<0.1	<0.5	0.04	0.2	0.6	72.82	9.43	2.77	0.80	0.92	0.75	1.67	0.61	0.15	0.03	0.009	535	<20	121
AERCL227120	Stream	0.1	<0.1	0.7	0.03	0.1	<0.5	71.36	10.29	4.19	1.28	1.39	0.73	1.83	0.72	0.18	0.11	0.011	572	<20	118



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Method Analyte Unit MDL		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERCL227091	Stream	585	24	12	9	10.5	99.93	0.66	11.19	8.79	70.1	73	19.1	9.1	567	2.68	12.3	0.8	2.5	3.8	47.9
AERCL227092	Rock Pulp	158	11	19	9	1.1	99.86	11.69	153.61	261.09	207.1	107	76.2	47.4	276	1.60	9.1	0.4	35.4	2.9	33.4
AERCL227093	Stream	551	25	15	9	9.4	99.93	0.57	12.35	9.21	73.5	93	16.5	8.9	586	2.25	6.6	1.2	5.2	4.4	44.3
AERCL227094	Stream	387	25	14	10	12.9	99.91	0.56	11.23	10.67	74.7	84	17.3	9.1	893	3.37	16.5	0.7	0.7	4.3	69.6
AERCL227095	Stream	585	22	15	8	8.8	99.95	0.20	6.27	6.06	44.1	54	8.0	4.3	514	1.59	3.9	0.7	0.5	3.2	34.9
AERCL227096	Stream	795	28	16	8	9.5	99.95	0.34	9.44	8.65	54.2	68	13.4	8.2	611	2.03	4.6	1.0	0.9	4.6	47.5
AERCL227097	Stream	499	26	18	11	9.3	99.92	0.43	14.28	13.27	68.4	115	12.0	7.8	552	2.40	6.9	1.6	0.6	7.1	66.6
AERCL227098	Stream	664	27	12	8	9.3	99.94	0.46	8.97	7.29	54.1	72	12.0	5.3	138	0.98	5.2	0.9	0.8	3.7	26.7
AERCL227099	Stream	522	27	17	11	8.0	99.93	0.66	15.71	11.35	77.3	106	17.8	10.2	296	1.86	6.0	1.3	1.5	5.2	38.5
AERCL227100	Stream	617	28	22	10	7.5	99.93	0.65	13.46	11.67	72.6	69	15.3	8.3	226	1.74	7.2	1.2	0.4	5.8	95.1
AERCL227101	Pulp DUP	992	35	14	8	7.7	99.95	0.72	10.27	8.12	52.5	81	14.9	6.8	393	2.02	7.8	1.0	2.3	5.3	30.0
AERCL227102	Stream	564	24	13	9	7.2	99.95	0.71	13.54	7.09	58.5	75	18.3	9.2	595	1.77	7.2	0.9	0.9	3.8	36.4
AERCL227103	Stream	966	34	18	9	4.9	99.93	1.03	12.49	8.36	52.9	68	19.4	8.3	281	1.84	6.8	1.2	1.0	5.3	29.8
AERCL227104	Stream	922	34	17	9	5.4	99.93	0.97	14.51	8.26	57.6	82	21.9	9.3	304	1.92	6.6	1.2	0.8	4.8	36.6
AERCL227105	Rock Pulp	169	11	19	9	1.2	99.87	12.03	150.95	260.20	207.3	116	79.8	50.1	269	1.57	9.4	0.4	47.6	2.9	31.9
AERCL227106	Stream	558	25	17	9	11.0	99.95	0.22	7.91	7.44	30.7	61	9.6	5.2	278	1.39	2.1	1.5	<0.2	3.2	49.3
AERCL227107	Stream	582	25	16	9	8.5	99.94	0.36	11.11	8.13	55.7	74	15.2	7.2	512	1.79	4.4	1.0	2.8	4.6	35.7
AERCL227108	Stream	317	21	13	9	18.2	99.92	0.41	11.27	8.50	69.9	81	16.4	9.3	2801	2.82	14.9	0.8	0.7	2.1	63.8
AERCL227109	Stream	548	26	13	8	8.1	99.94	0.43	9.21	6.98	59.2	74	13.5	6.8	741	2.28	7.4	0.7	0.8	3.8	30.4
AERCL227110	Stream	1011	31	17	8	9.5	99.95	0.68	8.49	6.55	42.8	61	11.7	5.4	528	2.11	9.9	0.8	0.5	4.2	26.8
AERCL227111	Stream	524	32	15	11	8.8	99.91	2.56	24.04	12.42	102.9	158	27.6	10.1	165	2.63	18.0	2.3	0.3	4.8	45.7
AERCL227112	Stream	949	27	17	8	8.1	99.94	0.20	5.65	6.62	44.4	49	7.9	4.8	725	1.88	3.5	0.8	0.4	4.3	26.2
AERCL227113	Stream	550	22	10	8	10.8	99.94	0.15	7.17	6.59	41.7	59	8.6	4.9	641	1.51	2.1	0.9	0.4	3.9	36.9
AERCL227114	Stream	556	24	14	9	9.2	99.94	0.36	9.73	7.99	59.2	68	14.0	6.9	309	1.60	3.7	0.9	0.9	3.6	35.1
AERCL227115	Stream	481	19	14	7	19.0	99.94	0.27	7.11	5.78	36.3	65	9.8	4.9	684	1.66	2.1	0.8	0.5	2.6	35.3
AERCL227116	Stream	596	26	14	10	6.6	99.93	0.65	13.65	9.16	80.2	68	19.7	8.5	135	1.84	9.2	0.9	0.9	4.2	34.1
AERCL227117	Stream	1225	34	18	8	6.4	99.94	0.61	8.75	7.48	48.3	67	13.6	6.3	376	1.83	6.9	1.0	0.6	5.4	27.8
AERCL227118	Stream	1035	32	18	8	6.7	99.94	0.72	10.59	8.03	54.0	84	15.6	7.1	396	2.07	8.2	1.0	3.6	5.0	31.1
AERCL227119	Stream	560	22	13	8	9.8	99.94	0.36	8.15	6.64	49.9	68	10.7	5.0	159	1.29	2.6	0.9	0.3	4.0	37.0
AERCL227120	Stream	762	29	15	10	7.6	99.92	0.56	11.96	9.00	63.0	73	17.9	10.5	816	2.17	6.2	0.9	1.2	5.1	37.1



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CERTIFICATE OF ANALYSIS

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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			
					Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
					ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
					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	0.1	0.02	0.02	5
AERCL227091	Stream		0.17	0.26	0.12	26	0.76	0.103	13.7	15.8	0.35	163.2	0.005	7	0.91	0.008	0.11	<0.1	3.0	0.14	0.10	45		
AERCL227092	Rock Pulp		0.49	0.18	0.14	24	0.60	0.053	24.0	30.2	0.49	57.8	0.069	1	0.85	0.111	0.12	<0.1	3.0	0.08	0.04	13		
AERCL227093	Stream		0.20	0.19	0.15	25	0.57	0.085	14.9	15.6	0.32	175.1	0.004	8	0.91	0.013	0.13	<0.1	3.0	0.15	0.12	50		
AERCL227094	Stream		0.14	0.18	0.14	29	0.97	0.122	16.7	18.3	0.40	162.1	0.004	11	1.09	0.016	0.14	<0.1	3.3	0.13	0.13	34		
AERCL227095	Stream		0.10	0.07	0.08	18	0.37	0.085	14.1	12.4	0.20	104.7	0.004	7	0.74	0.008	0.09	<0.1	2.1	0.11	0.06	28		
AERCL227096	Stream		0.13	0.12	0.12	20	0.60	0.073	16.8	13.4	0.31	107.2	0.004	8	0.78	0.007	0.09	<0.1	2.5	0.10	0.07	35		
AERCL227097	Stream		0.10	0.12	0.21	20	0.52	0.073	17.7	14.5	0.37	259.2	0.002	9	0.96	0.025	0.15	<0.1	3.4	0.12	0.23	37		
AERCL227098	Stream		0.17	0.14	0.09	20	0.43	0.045	14.0	11.4	0.21	105.2	0.005	7	0.63	0.006	0.07	<0.1	2.1	0.13	0.14	39		
AERCL227099	Stream		0.13	0.34	0.21	26	0.28	0.062	13.9	16.3	0.28	157.6	0.004	8	0.83	0.010	0.11	<0.1	3.2	0.17	0.14	78		
AERCL227100	Stream		0.11	0.14	0.21	16	0.28	0.053	15.1	11.1	0.27	280.4	0.002	9	0.80	0.044	0.13	<0.1	2.8	0.10	0.16	25		
AERCL227101	Pulp DUP		0.19	0.26	0.11	23	0.98	0.078	16.6	12.4	0.51	134.2	0.007	8	0.65	0.007	0.10	<0.1	2.4	0.15	0.21	37		
AERCL227102	Stream		0.25	0.29	0.11	21	0.43	0.059	14.4	13.8	0.27	148.3	0.007	5	0.72	0.009	0.09	<0.1	2.7	0.15	0.09	41		
AERCL227103	Stream		0.20	0.26	0.11	24	0.48	0.072	17.2	14.6	0.31	142.7	0.008	5	0.68	0.006	0.09	<0.1	2.6	0.15	0.08	34		
AERCL227104	Stream		0.21	0.27	0.12	25	0.80	0.076	15.5	15.7	0.49	157.7	0.009	6	0.76	0.009	0.10	<0.1	3.0	0.15	0.18	39		
AERCL227105	Rock Pulp		0.48	0.19	0.14	24	0.57	0.052	23.4	30.8	0.47	59.2	0.068	2	0.79	0.085	0.11	<0.1	2.8	0.08	0.04	15		
AERCL227106	Stream		0.10	0.10	0.11	23	0.60	0.061	14.4	14.8	0.23	108.4	0.003	8	0.88	0.009	0.08	<0.1	2.4	0.11	0.07	36		
AERCL227107	Stream		0.12	0.14	0.13	23	0.59	0.072	15.1	14.7	0.34	95.7	0.004	8	0.84	0.006	0.11	<0.1	2.7	0.13	0.07	32		
AERCL227108	Stream		0.22	0.18	0.15	28	1.54	0.220	12.3	14.8	0.56	285.0	0.004	17	0.82	0.010	0.14	<0.1	2.3	0.14	0.48	45		
AERCL227109	Stream		0.17	0.16	0.10	21	0.58	0.102	12.9	12.4	0.31	141.4	0.005	8	0.65	0.006	0.09	<0.1	2.2	0.13	0.19	36		
AERCL227110	Stream		0.12	0.15	0.09	18	0.57	0.085	14.1	11.1	0.27	138.0	0.005	7	0.61	0.006	0.08	<0.1	2.0	0.12	0.29	33		
AERCL227111	Stream		0.40	0.60	0.21	59	0.39	0.104	17.4	20.6	0.32	250.4	0.003	9	1.01	0.009	0.14	<0.1	3.7	0.35	0.16	82		
AERCL227112	Stream		0.09	0.09	0.09	18	0.37	0.086	16.7	11.7	0.21	132.2	0.004	6	0.68	0.005	0.07	<0.1	2.0	0.11	0.06	28		
AERCL227113	Stream		0.08	0.10	0.09	18	0.40	0.070	13.5	13.0	0.19	106.9	0.003	6	0.76	0.006	0.08	<0.1	2.3	0.11	0.09	31		
AERCL227114	Stream		0.09	0.16	0.11	25	0.38	0.068	12.6	15.0	0.24	135.1	0.003	6	0.87	0.006	0.09	<0.1	2.7	0.12	0.07	43		
AERCL227115	Stream		0.12	0.13	0.08	20	0.67	0.081	11.3	12.9	0.21	176.1	0.003	7	0.80	0.005	0.07	<0.1	2.1	0.11	0.16	49		
AERCL227116	Stream		0.13	0.30	0.14	27	0.37	0.066	12.5	15.0	0.28	160.2	0.004	7	0.81	0.008	0.11	<0.1	2.7	0.15	0.08	54		
AERCL227117	Stream		0.15	0.20	0.10	20	0.84	0.075	17.4	11.9	0.44	132.4	0.007	7	0.57	0.006	0.09	<0.1	2.2	0.13	0.13	40		
AERCL227118	Stream		0.19	0.21	0.11	22	0.99	0.077	16.3	13.3	0.52	139.9	0.007	8	0.65	0.007	0.10	<0.1	2.4	0.14	0.21	39		
AERCL227119	Stream		0.11	0.12	0.10	20	0.45	0.058	12.5	13.4	0.23	92.8	0.004	8	0.74	0.009	0.10	<0.1	2.4	0.11	0.31	32		
AERCL227120	Stream		0.14	0.21	0.14	25	0.79	0.072	15.1	15.2	0.48	136.3	0.005	7	0.84	0.008	0.12	<0.1	2.9	0.14	0.18	37		



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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
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02
AERCL227091	Stream	0.5	0.04	3.0	0.61	<0.1	0.10	0.36	13.1	0.4	<0.05	4.7	9.68	29.1	0.02	3	0.6	13.2	3.62	13.88
AERCL227092	Rock Pulp	<0.1	<0.02	2.7	1.09	<0.1	0.18	0.36	7.1	2.3	<0.05	5.9	5.60	41.1	0.03	<1	0.2	8.4	5.06	16.85
AERCL227093	Stream	0.6	0.04	2.9	0.66	<0.1	0.07	0.30	13.1	0.4	<0.05	3.8	10.17	31.2	0.02	2	0.7	12.9	3.89	14.94
AERCL227094	Stream	0.6	0.04	3.5	0.62	<0.1	0.09	0.38	15.3	0.5	<0.05	4.5	11.18	35.6	0.02	2	0.8	15.5	4.37	16.61
AERCL227095	Stream	0.2	<0.02	2.4	0.63	<0.1	0.03	0.27	11.8	0.4	<0.05	1.5	7.13	30.4	<0.02	<1	0.4	9.9	3.57	13.40
AERCL227096	Stream	0.4	0.03	2.6	0.56	<0.1	0.08	0.31	12.0	0.4	<0.05	4.1	9.39	35.7	<0.02	<1	0.5	10.5	4.33	16.53
AERCL227097	Stream	0.5	0.05	3.1	1.17	<0.1	0.13	0.17	16.2	0.6	<0.05	7.5	12.09	36.2	0.03	<1	0.8	12.2	4.41	16.75
AERCL227098	Stream	0.4	<0.02	2.1	0.61	<0.1	0.08	0.30	8.2	0.3	<0.05	4.1	9.44	29.7	<0.02	3	0.5	8.5	3.62	14.17
AERCL227099	Stream	0.5	0.04	3.0	1.22	<0.1	0.08	0.28	15.6	0.5	<0.05	4.6	9.27	29.9	0.04	1	0.6	14.9	3.50	14.02
AERCL227100	Stream	0.4	0.06	2.8	1.19	<0.1	0.14	0.10	14.1	0.5	<0.05	7.7	10.55	30.6	0.03	<1	0.8	12.8	3.55	14.18
AERCL227101	Pulp DUP	0.5	0.04	2.0	0.77	<0.1	0.08	0.30	10.3	0.3	<0.05	4.9	10.88	33.9	<0.02	2	0.5	10.1	4.31	16.32
AERCL227102	Stream	0.5	0.04	2.4	0.75	<0.1	0.05	0.17	10.2	0.3	<0.05	3.1	9.66	29.8	<0.02	2	0.5	9.0	3.54	14.28
AERCL227103	Stream	0.4	0.03	2.3	0.68	<0.1	0.09	0.21	9.5	0.4	<0.05	5.0	11.09	35.5	<0.02	1	0.5	9.4	4.28	17.08
AERCL227104	Stream	0.5	0.03	2.6	0.76	<0.1	0.10	0.20	10.2	0.3	<0.05	5.7	11.53	32.9	<0.02	3	0.4	11.3	3.94	15.91
AERCL227105	Rock Pulp	<0.1	<0.02	2.6	1.08	<0.1	0.16	0.46	7.1	2.2	<0.05	5.6	5.43	41.1	0.03	<1	0.2	8.5	4.96	16.95
AERCL227106	Stream	0.4	0.03	2.8	0.58	<0.1	0.08	0.32	12.2	0.4	<0.05	3.3	7.72	31.9	<0.02	<1	0.5	11.2	3.55	13.88
AERCL227107	Stream	0.2	0.03	2.7	0.66	<0.1	0.09	0.27	13.8	0.4	<0.05	4.6	9.15	32.6	0.02	1	0.5	12.3	3.83	15.37
AERCL227108	Stream	0.6	0.04	2.6	0.67	<0.1	0.02	0.27	13.8	0.5	<0.05	1.1	9.93	26.6	0.02	3	0.5	12.6	3.19	12.99
AERCL227109	Stream	0.4	0.03	2.2	0.71	<0.1	0.07	0.25	11.3	0.3	<0.05	3.5	9.21	26.8	<0.02	3	0.4	10.7	3.25	13.23
AERCL227110	Stream	0.4	0.02	2.0	0.57	<0.1	0.07	0.27	9.5	0.4	<0.05	3.6	8.48	29.8	<0.02	2	0.4	9.0	3.52	13.80
AERCL227111	Stream	1.8	0.09	3.4	1.21	<0.1	0.07	0.24	16.1	0.5	<0.05	4.9	16.89	35.4	0.03	15	0.6	22.0	4.59	19.46
AERCL227112	Stream	0.2	<0.02	2.2	0.62	<0.1	0.05	0.24	11.5	0.3	<0.05	2.3	7.23	34.4	<0.02	<1	0.3	9.0	3.93	15.15
AERCL227113	Stream	0.3	<0.02	2.5	0.59	<0.1	0.06	0.25	12.8	0.4	<0.05	2.9	7.19	28.6	<0.02	<1	0.5	10.9	3.28	13.04
AERCL227114	Stream	0.4	0.02	2.7	0.66	<0.1	0.07	0.27	13.5	0.4	<0.05	3.4	7.62	26.5	0.02	2	0.5	14.2	3.09	12.24
AERCL227115	Stream	0.5	0.02	2.5	0.58	<0.1	0.06	0.29	10.6	0.3	<0.05	2.3	6.81	23.5	<0.02	2	0.4	11.4	2.73	10.95
AERCL227116	Stream	0.7	0.05	2.5	1.12	<0.1	0.09	0.17	13.1	0.4	<0.05	5.0	9.11	25.7	0.02	3	0.5	15.5	3.13	12.70
AERCL227117	Stream	0.4	0.02	1.9	0.72	<0.1	0.07	0.23	9.5	0.3	<0.05	3.9	10.54	35.4	<0.02	2	0.4	9.0	4.31	17.31
AERCL227118	Stream	0.5	0.03	2.1	0.69	<0.1	0.09	0.28	10.3	0.3	<0.05	5.2	10.85	34.7	<0.02	2	0.5	9.6	4.11	16.53
AERCL227119	Stream	0.4	0.03	2.4	0.67	<0.1	0.10	0.27	12.1	0.5	<0.05	4.9	7.69	26.4	<0.02	2	0.5	11.1	3.13	12.54
AERCL227120	Stream	0.5	0.04	2.7	0.92	<0.1	0.10	0.21	13.6	0.5	<0.05	5.7	9.84	31.7	0.02	2	0.6	12.9	3.81	15.19



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERCL227091	Stream	0.56	2.46	0.33	1.84	0.33	0.87	0.11	0.68	0.09	<10	<2
AERCL227092	Rock Pulp	0.56	1.63	0.20	1.12	0.19	0.54	0.07	0.45	0.06	42	25
AERCL227093	Stream	0.59	2.61	0.36	2.01	0.36	0.94	0.12	0.73	0.10	<10	<2
AERCL227094	Stream	0.64	2.82	0.38	2.15	0.39	1.02	0.13	0.80	0.11	<10	<2
AERCL227095	Stream	0.44	2.04	0.26	1.44	0.25	0.65	0.08	0.50	0.07	<10	<2
AERCL227096	Stream	0.57	2.58	0.35	1.93	0.33	0.87	0.11	0.70	0.10	<10	<2
AERCL227097	Stream	0.67	2.98	0.42	2.39	0.42	1.13	0.15	0.90	0.12	<10	<2
AERCL227098	Stream	0.52	2.38	0.32	1.78	0.31	0.83	0.10	0.65	0.09	<10	<2
AERCL227099	Stream	0.55	2.56	0.33	1.96	0.33	0.87	0.11	0.67	0.09	<10	<2
AERCL227100	Stream	0.55	2.53	0.34	2.00	0.35	0.94	0.12	0.76	0.10	<10	<2
AERCL227101	Pulp DUP	0.57	2.82	0.38	2.08	0.37	0.97	0.12	0.76	0.11	<10	<2
AERCL227102	Stream	0.56	2.45	0.32	1.87	0.33	0.88	0.11	0.72	0.10	<10	<2
AERCL227103	Stream	0.60	2.89	0.38	2.17	0.38	1.00	0.13	0.78	0.11	<10	<2
AERCL227104	Stream	0.61	2.88	0.38	2.15	0.38	1.01	0.13	0.80	0.11	<10	<2
AERCL227105	Rock Pulp	0.52	1.62	0.18	1.06	0.18	0.51	0.07	0.43	0.06	45	25
AERCL227106	Stream	0.46	2.14	0.28	1.56	0.26	0.68	0.09	0.55	0.07	<10	<2
AERCL227107	Stream	0.55	2.52	0.33	1.85	0.32	0.86	0.11	0.66	0.09	<10	<2
AERCL227108	Stream	0.53	2.43	0.32	1.84	0.33	0.89	0.11	0.72	0.10	<10	<2
AERCL227109	Stream	0.51	2.37	0.31	1.79	0.31	0.85	0.11	0.65	0.09	<10	<2
AERCL227110	Stream	0.48	2.36	0.29	1.70	0.29	0.79	0.10	0.63	0.09	<10	<2
AERCL227111	Stream	0.91	4.21	0.58	3.26	0.57	1.50	0.19	1.10	0.14	<10	<2
AERCL227112	Stream	0.45	2.22	0.27	1.50	0.26	0.68	0.09	0.52	0.07	<10	<2
AERCL227113	Stream	0.43	2.02	0.25	1.43	0.24	0.64	0.08	0.50	0.07	<10	<2
AERCL227114	Stream	0.46	2.14	0.27	1.53	0.26	0.70	0.09	0.55	0.08	<10	<2
AERCL227115	Stream	0.38	1.80	0.23	1.29	0.23	0.61	0.08	0.48	0.07	<10	<2
AERCL227116	Stream	0.53	2.49	0.32	1.89	0.32	0.88	0.11	0.67	0.09	<10	<2
AERCL227117	Stream	0.57	2.90	0.37	2.09	0.36	0.95	0.12	0.75	0.10	<10	<2
AERCL227118	Stream	0.58	2.89	0.36	2.08	0.37	0.96	0.13	0.77	0.11	<10	<2
AERCL227119	Stream	0.46	2.13	0.27	1.58	0.27	0.72	0.09	0.57	0.08	<10	<2
AERCL227120	Stream	0.57	2.66	0.34	1.95	0.34	0.93	0.12	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			
					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
AERCL227122	Stream	2.31	484	2	7.5	2.0	9.1	34.1	12.9	48.4	1	131.5	1.2	14.0	4.1	72	1.0	1401.6	37.1	48.1	94.0				
AERCL227123	Stream	2.88	788	<1	14.5	3.8	13.3	10.8	11.4	68.8	<1	152.2	0.8	9.3	3.1	129	0.8	428.7	24.0	28.7	55.7				
AERCL227126	Rock Pulp	0.07	464	2	48.8	1.9	12.7	3.9	15.8	35.2	5	379.0	0.4	4.0	0.8	55	<0.5	152.3	10.6	30.0	54.0				
AERCL227142	Stream	2.36	506	2	8.0	3.0	9.9	18.4	11.2	59.6	<1	129.4	0.7	10.8	4.0	87	0.9	732.2	27.5	35.4	69.1				
AERCL227143	Stream	2.51	480	<1	7.1	2.8	9.1	26.6	12.1	57.8	1	114.4	0.8	12.8	3.3	70	1.0	1050.0	30.7	37.2	74.8				
AERCL227144	Stream	2.69	514	2	4.4	2.0	7.4	23.9	13.5	50.6	<1	110.4	0.9	10.3	3.7	64	1.5	943.3	30.6	31.8	62.3				
AERCL227145	Stream	2.32	852	2	7.9	4.8	12.0	13.6	13.8	77.8	1	157.3	0.9	12.2	4.0	107	1.6	557.1	25.9	36.2	68.4				
AERCL227146	Rock Pulp	0.07	458	3	48.5	1.9	12.4	4.3	15.5	36.2	6	379.8	0.5	4.1	0.8	56	<0.5	156.1	10.9	29.6	52.2				
AERCL227147	Stream	2.35	589	5	4.7	2.9	9.9	14.8	11.7	60.0	1	122.4	0.9	11.0	3.2	73	1.7	572.6	24.8	32.1	60.7				
AERCL227148	Stream	2.28	538	<1	11.1	3.0	11.9	15.4	11.8	67.5	1	125.0	0.8	10.1	3.2	87	1.0	624.8	29.7	34.8	68.1				
AERCL227149	Stream	2.23	523	2	7.6	3.5	11.0	20.8	14.2	62.6	2	109.6	1.1	11.3	3.6	76	1.7	804.6	29.7	33.6	65.5				
AERCL227150	Stream	2.23	651	<1	12.6	3.0	11.1	12.5	11.2	65.1	1	143.7	0.7	10.0	3.4	91	1.4	503.0	26.0	30.8	58.3				
AERHL225001	Pulp DUP		753	<1	9.3	5.2	12.9	6.9	14.2	95.2	2	120.3	0.9	11.9	4.1	144	1.2	275.5	25.2	33.6	65.2				
AERHL225002	Stream	2.80	711	5	10.3	4.5	14.0	12.2	14.6	82.2	2	127.9	1.0	11.8	4.1	113	1.3	465.6	26.8	36.7	67.8				
AERHL225003	Stream	2.09	745	<1	11.5	4.7	11.8	5.8	11.8	85.2	2	118.7	0.7	11.2	4.5	152	1.3	231.0	25.0	31.5	58.8				
AERHL225004	Stream	1.81	701	2	13.8	4.4	12.3	8.1	11.3	84.5	2	121.0	0.9	11.4	3.6	125	2.0	311.2	23.8	30.6	60.5				
AERHL225005	Stream	2.24	634	<1	12.1	5.0	13.7	7.5	13.0	96.4	2	111.7	1.0	11.5	4.0	128	1.2	293.3	22.6	31.7	59.1				
AERHL225006	Stream	2.45	745	3	9.7	5.3	13.3	7.0	13.2	90.5	2	119.5	0.9	10.7	3.7	145	1.4	261.8	22.8	30.1	56.7				
AERHL225007	Rock Pulp	0.06	458	<1	51.9	2.0	12.8	4.2	16.2	37.1	6	384.7	0.4	3.9	0.9	57	<0.5	163.3	10.8	29.2	51.8				
AERHL225008	Stream	1.95	763	<1	10.2	4.9	13.4	7.5	13.8	94.1	2	121.8	0.9	10.8	3.7	153	1.1	284.5	23.9	31.9	61.1				
AERHL225009	Stream	2.03	1032	<1	16.0	6.3	14.9	6.6	15.9	104.0	2	137.0	1.1	11.7	8.5	203	1.5	255.1	28.0	36.1	64.5				
AERHL225010	Stream	2.75	1091	<1	10.6	6.7	14.1	6.8	14.8	110.1	2	139.5	1.0	12.4	5.2	208	1.1	259.5	28.0	34.8	64.1				
AERHL225011	Stream	2.11	794	<1	11.6	3.9	10.6	15.9	12.0	67.2	1	112.9	0.9	12.3	5.1	108	1.1	645.4	27.1	35.6	69.2				
AERHL225012	Stream	2.62	739	<1	11.3	2.9	10.0	12.8	10.2	64.7	1	133.9	0.8	12.4	4.1	90	1.2	521.2	25.8	33.5	65.9				
AERHL225013	Stream	2.60	711	<1	10.1	3.2	10.7	13.5	12.4	68.6	1	111.9	0.8	12.1	3.6	92	1.6	544.1	26.7	33.7	67.1				
AERHL225014	Stream	2.92	661	3	10.9	2.9	9.4	9.5	9.1	60.1	1	108.8	0.6	9.3	3.0	71	8.6	388.7	20.8	27.2	52.7				
AERHL225015	Stream	2.02	699	<1	10.5	3.3	11.7	12.0	11.3	74.8	1	125.7	0.8	11.8	3.4	90	22.8	485.0	24.7	33.3	63.8				
AERHL225016	Stream	2.72	601	<1	8.4	4.1	12.1	10.8	12.7	76.7	1	109.7	0.9	9.8	3.5	105	16.2	417.5	22.2	28.0	54.5				
AERHL225017	Stream	3.07	748	<1	13.6	4.3	13.6	11.9	12.8	83.4	2	126.1	0.8	12.2	3.9	124	4.8	475.9	25.9	33.6	67.4				
AERHL225018	Stream	2.60	715	2	12.8	4.7	13.6	7.9	12.6	86.4	2	117.5	1.0	9.9	4.2	132	8.7	313.7	20.6	30.9	58.7				



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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
AERCL227122	Stream	11.65	42.3	7.81	1.32	7.22	1.07	6.36	1.35	4.21	0.66	4.44	0.75	0.4	8.6	8.0	47	14.4	6.3	0.1	0.1
AERCL227123	Stream	6.90	25.5	4.94	1.03	4.48	0.70	4.12	0.92	2.68	0.41	2.78	0.43	0.6	20.6	12.1	88	30.2	11.9	0.2	0.2
AERCL227126	Rock Pulp	6.48	23.1	3.60	0.99	2.70	0.37	2.08	0.35	1.13	0.16	1.04	0.16	13.2	161.5	289.5	223	82.9	10.9	0.7	0.2
AERCL227142	Stream	8.50	31.1	5.93	1.09	5.10	0.78	4.67	1.02	3.14	0.47	3.33	0.51	0.4	10.7	8.1	59	16.8	3.7	0.2	0.1
AERCL227143	Stream	9.06	32.4	6.19	1.08	5.38	0.87	5.26	1.18	3.80	0.56	3.99	0.62	0.2	7.9	7.6	56	11.4	4.7	<0.1	<0.1
AERCL227144	Stream	7.57	28.5	5.51	0.97	5.16	0.80	5.14	1.11	3.58	0.53	3.68	0.59	0.1	5.5	5.5	39	8.4	3.5	0.1	<0.1
AERCL227145	Stream	8.26	30.0	5.50	0.98	4.81	0.74	4.37	0.93	2.92	0.43	2.93	0.48	1.6	15.2	13.4	74	13.8	11.3	0.1	0.2
AERCL227146	Rock Pulp	6.52	23.0	3.75	0.97	2.84	0.37	2.01	0.40	1.14	0.16	1.07	0.15	12.0	148.1	270.0	206	77.7	9.7	0.6	0.2
AERCL227147	Stream	7.40	27.4	4.89	0.86	4.42	0.71	4.24	0.91	3.01	0.43	2.95	0.46	0.3	7.5	7.6	41	8.6	2.7	<0.1	<0.1
AERCL227148	Stream	8.38	30.4	5.66	1.16	5.08	0.81	5.11	1.07	3.40	0.49	3.39	0.54	0.3	11.9	9.8	63	19.3	5.4	0.2	<0.1
AERCL227149	Stream	7.88	29.7	5.58	0.99	4.89	0.81	5.24	1.06	3.56	0.54	3.87	0.63	0.3	7.7	9.4	55	7.9	5.3	<0.1	<0.1
AERCL227150	Stream	6.92	25.4	4.76	0.91	4.38	0.68	4.17	0.95	2.77	0.42	3.00	0.46	0.4	8.7	8.3	62	13.9	4.8	<0.1	0.1
AERHL225001	Pulp DUP	7.49	29.7	5.23	1.04	4.72	0.73	4.33	0.86	2.62	0.36	2.54	0.40	1.4	21.5	11.9	116	20.5	8.7	0.5	0.2
AERHL225002	Stream	8.35	30.8	5.80	1.10	5.12	0.75	4.43	0.99	2.83	0.43	2.82	0.44	1.7	17.2	14.5	81	19.4	9.2	0.3	0.1
AERHL225003	Stream	7.46	27.6	5.38	1.16	5.20	0.78	4.30	0.91	2.65	0.41	2.77	0.40	2.9	28.8	11.4	154	24.4	13.3	1.2	0.5
AERHL225004	Stream	7.23	28.6	5.10	0.95	4.48	0.68	3.87	0.88	2.57	0.40	2.57	0.40	2.6	21.4	10.5	124	25.1	10.3	0.8	0.3
AERHL225005	Stream	7.06	25.9	4.74	0.91	4.15	0.65	3.94	0.82	2.52	0.38	2.58	0.40	1.9	16.9	14.6	104	24.1	10.6	0.2	0.3
AERHL225006	Stream	7.09	26.7	4.93	0.98	4.46	0.70	4.12	0.87	2.61	0.38	2.44	0.39	1.4	20.2	11.2	120	19.2	9.0	0.5	0.2
AERHL225007	Rock Pulp	6.27	24.5	3.53	1.00	2.93	0.39	2.18	0.41	1.19	0.16	1.04	0.17	12.8	164.0	273.2	216	84.2	9.6	0.5	0.2
AERHL225008	Stream	7.54	28.2	5.24	1.13	4.74	0.72	4.03	0.87	2.62	0.38	2.59	0.41	1.5	22.8	11.7	122	20.8	9.5	0.6	0.2
AERHL225009	Stream	8.15	30.9	5.73	1.18	5.43	0.82	4.56	0.99	2.90	0.44	2.77	0.44	7.4	35.0	14.5	157	27.7	17.8	0.9	0.4
AERHL225010	Stream	8.07	31.9	5.81	1.23	5.41	0.85	4.60	0.98	2.90	0.43	2.81	0.44	3.4	36.7	15.3	162	26.4	14.4	1.0	0.4
AERHL225011	Stream	8.29	30.7	5.67	1.05	5.27	0.80	4.57	0.99	3.17	0.47	3.31	0.52	3.5	21.1	10.7	105	23.4	11.7	0.8	0.3
AERHL225012	Stream	8.01	31.0	5.45	1.00	4.96	0.74	4.34	0.92	2.74	0.39	2.65	0.39	1.3	11.0	8.3	88	17.2	8.0	0.5	0.4
AERHL225013	Stream	8.06	29.8	5.36	1.04	4.87	0.76	4.31	0.99	2.93	0.42	3.04	0.47	1.1	14.6	10.7	79	19.9	8.0	0.4	0.3
AERHL225014	Stream	6.30	23.3	4.16	0.82	3.82	0.60	3.53	0.74	2.18	0.33	2.14	0.33	0.9	11.0	9.4	88	17.0	7.6	0.4	0.3
AERHL225015	Stream	7.88	30.3	5.55	0.99	4.99	0.74	4.00	0.86	2.59	0.39	2.64	0.40	1.2	12.8	10.4	92	17.9	9.4	0.3	0.3
AERHL225016	Stream	6.66	25.6	4.31	0.86	3.96	0.61	3.83	0.81	2.50	0.37	2.62	0.41	0.6	12.0	9.3	67	15.0	5.0	0.2	0.2
AERHL225017	Stream	7.77	29.5	5.55	1.05	4.75	0.73	4.27	0.94	2.61	0.43	2.82	0.45	1.0	14.3	11.9	101	23.3	10.0	0.3	0.3
AERHL225018	Stream	6.94	26.0	4.67	1.02	4.10	0.63	3.77	0.80	2.47	0.37	2.53	0.40	1.2	13.9	13.5	100	19.7	13.7	0.3	0.3



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	Method	Analyte	Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	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	LF300	LF300	LF300
					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	5	20	2
AERCL227122	Stream	<0.1	<0.1	<0.5	0.04	<0.1	0.6	70.15	8.17	4.47	1.67	2.77	0.82	1.55	0.74	0.20	0.08	0.013	475	<20	136			
AERCL227123	Stream	0.2	<0.1	1.0	0.06	0.2	<0.5	66.90	12.60	5.21	1.35	1.00	0.98	1.91	0.79	0.20	0.04	0.015	827	31	160			
AERCL227126	Rock Pulp	0.1	0.1	37.1	0.02	<0.1	<0.5	71.67	12.13	3.96	1.73	3.30	3.41	1.44	0.38	0.12	0.07	0.015	464	85	395			
AERCL227142	Stream	0.1	<0.1	<0.5	0.04	0.1	<0.5	71.19	9.95	3.31	1.23	1.54	0.84	1.79	0.70	0.18	0.04	0.010	536	<20	138			
AERCL227143	Stream	<0.1	<0.1	<0.5	0.03	<0.1	<0.5	74.33	8.90	3.54	0.83	0.89	0.78	1.67	0.72	0.20	0.07	0.009	484	<20	117			
AERCL227144	Stream	<0.1	<0.1	<0.5	0.02	<0.1	<0.5	79.02	7.57	2.65	0.70	0.93	0.95	1.64	0.74	0.19	0.04	0.009	539	<20	115			
AERCL227145	Stream	0.2	0.1	1.1	0.07	0.2	0.7	70.39	10.78	5.28	0.89	0.55	0.73	2.01	0.73	0.22	0.07	0.010	865	<20	159			
AERCL227146	Rock Pulp	0.1	0.1	34.2	0.02	<0.1	<0.5	71.54	12.16	3.96	1.73	3.32	3.44	1.44	0.38	0.12	0.07	0.014	464	86	398			
AERCL227147	Stream	<0.1	<0.1	<0.5	0.02	0.2	<0.5	75.24	9.22	2.46	0.72	0.78	0.80	1.56	0.68	0.14	0.05	0.008	590	<20	125			
AERCL227148	Stream	0.1	<0.1	1.0	0.04	0.2	<0.5	70.34	10.30	3.85	1.33	1.40	0.76	1.80	0.68	0.17	0.13	0.009	536	<20	124			
AERCL227149	Stream	0.1	<0.1	<0.5	0.03	0.1	<0.5	74.76	9.61	3.59	0.89	0.72	0.59	1.61	0.77	0.17	0.08	0.009	514	<20	112			
AERCL227150	Stream	<0.1	<0.1	0.6	0.05	0.1	<0.5	67.14	10.25	3.93	0.90	1.07	0.89	1.54	0.68	0.20	0.11	0.010	637	<20	140			
AERHL225001	Pulp DUP	0.2	0.3	1.5	0.07	0.2	1.3	63.02	11.11	3.99	1.83	2.34	0.54	2.09	0.62	0.18	0.05	0.011	786	28	125			
AERHL225002	Stream	0.2	0.1	1.4	0.05	0.2	0.5	68.75	11.33	4.79	1.03	0.98	0.62	1.93	0.71	0.15	0.06	0.010	708	<20	124			
AERHL225003	Stream	0.2	0.4	2.4	0.08	0.2	2.1	56.12	10.43	4.64	3.69	4.93	0.55	2.11	0.55	0.23	0.05	0.009	788	25	122			
AERHL225004	Stream	0.2	0.2	1.5	0.06	0.2	1.2	60.77	10.98	4.90	2.63	4.24	0.66	2.20	0.59	0.20	0.12	0.009	746	29	127			
AERHL225005	Stream	0.2	0.1	1.4	0.04	0.2	0.6	64.43	12.10	5.67	1.32	1.41	0.67	2.11	0.67	0.21	0.08	0.010	679	21	117			
AERHL225006	Stream	0.2	0.3	1.8	0.09	0.2	1.0	62.25	10.93	4.17	2.29	3.04	0.55	2.08	0.62	0.18	0.07	0.010	803	21	122			
AERHL225007	Rock Pulp	0.1	0.1	32.8	0.02	<0.1	<0.5	71.73	11.99	4.04	1.70	3.33	3.36	1.45	0.38	0.13	0.07	0.014	469	83	395			
AERHL225008	Stream	0.2	0.3	1.7	0.08	0.2	1.1	63.65	11.05	4.02	1.81	2.40	0.55	2.10	0.62	0.18	0.05	0.010	786	24	123			
AERHL225009	Stream	0.3	0.6	2.8	0.12	0.3	2.7	64.49	12.09	5.18	0.97	0.80	0.43	2.29	0.66	0.21	0.02	0.011	1078	28	137			
AERHL225010	Stream	0.2	0.6	3.1	0.14	0.2	2.7	59.20	12.13	5.70	1.20	1.50	0.38	2.26	0.63	0.24	0.05	0.012	1152	26	143			
AERHL225011	Stream	0.2	0.2	1.2	0.06	0.2	1.3	64.81	9.04	4.59	2.67	4.26	0.62	1.84	0.61	0.18	0.07	0.009	878	26	115			
AERHL225012	Stream	0.1	0.1	1.0	0.04	0.1	0.7	63.07	8.69	4.47	3.06	5.01	0.88	1.90	0.53	0.24	0.18	0.008	799	<20	136			
AERHL225013	Stream	0.2	0.1	1.0	0.05	0.2	0.6	63.04	9.29	4.46	2.94	4.33	0.70	1.84	0.61	0.18	0.08	0.010	763	<20	112			
AERHL225014	Stream	0.1	0.1	1.0	0.05	0.2	0.6	50.86	7.79	4.98	4.10	6.45	0.65	1.56	0.47	0.23	0.26	0.006	703	<20	109			
AERHL225015	Stream	0.1	0.1	0.9	0.05	0.2	0.7	62.14	9.80	5.66	2.52	3.73	0.83	2.02	0.57	0.25	0.07	0.008	718	<20	124			
AERHL225016	Stream	0.2	0.1	4.2	0.05	0.2	<0.5	67.75	10.32	3.58	1.12	1.41	0.72	1.89	0.65	0.19	0.06	0.009	637	<20	111			
AERHL225017	Stream	0.2	0.1	1.0	0.05	0.2	0.6	67.24	11.14	4.97	1.42	1.66	0.76	2.10	0.68	0.23	0.08	0.012	773	25	122			
AERHL225018	Stream	0.2	0.1	0.9	0.04	0.2	0.8	61.79	11.56	6.42	1.24	1.47	0.62	1.96	0.64	0.28	0.08	0.010	746	<20	117			



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		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERCL227122	Stream	1694	37	18	8	9.0	99.93	0.45	9.48	7.99	50.6	58	15.4	7.1	516	2.43	6.3	0.9	0.9	5.1	38.0
AERCL227123	Stream	509	24	15	12	8.7	99.92	0.73	21.40	10.65	89.9	74	30.8	13.6	280	2.74	11.3	1.0	1.5	4.0	61.7
AERCL227126	Rock Pulp	170	11	20	9	1.5	99.86	12.18	156.71	259.24	208.6	109	80.9	48.2	272	1.59	9.2	0.4	36.7	2.9	32.5
AERCL227142	Stream	817	30	16	9	8.9	99.93	0.48	10.63	7.15	56.1	68	16.6	6.5	221	1.57	3.2	1.5	2.4	4.8	42.4
AERCL227143	Stream	1165	32	13	8	7.8	99.94	0.30	8.08	7.13	54.6	59	12.1	6.7	477	1.86	4.7	0.9	2.2	4.9	32.8
AERCL227144	Stream	1046	30	15	7	5.3	99.96	0.19	5.91	5.21	39.4	55	8.6	4.2	259	1.32	3.3	0.7	3.2	4.8	24.1
AERCL227145	Stream	600	25	16	10	8.1	99.93	1.63	15.42	12.51	74.4	109	14.7	7.3	484	2.95	11.1	1.4	1.4	5.7	80.1
AERCL227146	Rock Pulp	168	11	22	9	1.6	99.87	12.29	153.53	267.26	205.3	103	79.1	48.7	272	1.58	9.2	0.4	39.2	3.0	32.6
AERCL227147	Stream	648	25	15	8	8.1	99.95	0.35	7.13	6.12	39.5	66	8.6	4.0	325	1.10	2.3	1.1	0.5	4.3	33.4
AERCL227148	Stream	673	28	21	9	9.0	99.93	0.41	12.23	8.87	61.1	73	19.0	11.3	955	2.02	5.0	1.0	1.0	5.3	37.1
AERCL227149	Stream	902	33	17	9	6.9	99.95	0.39	7.84	8.55	54.4	67	8.0	6.1	549	1.56	4.6	0.9	0.6	5.4	36.0
AERCL227150	Stream	541	23	12	9	13.1	99.93	0.35	8.78	8.18	64.3	70	14.5	11.4	787	1.99	4.4	1.1	0.9	3.3	43.6
AERHL225001	Pulp DUP	282	25	17	11	14.0	99.92	1.50	22.19	12.11	123.8	318	19.8	8.6	371	2.05	9.2	1.7	1.6	5.9	48.8
AERHL225002	Stream	513	27	15	10	9.4	99.92	2.07	17.70	13.34	78.6	122	18.9	8.0	378	2.47	8.5	1.6	0.8	6.2	53.2
AERHL225003	Stream	255	27	14	10	16.4	99.87	2.93	27.72	11.99	149.6	445	23.4	9.8	390	2.47	14.0	2.4	2.2	5.8	53.3
AERHL225004	Stream	365	25	12	10	12.4	99.89	2.74	21.89	12.38	127.0	236	25.7	12.8	896	2.58	11.0	1.8	1.7	6.1	51.9
AERHL225005	Stream	311	23	16	11	11.1	99.91	1.91	17.05	15.28	107.6	139	23.8	12.0	613	3.13	10.6	1.7	1.2	6.5	39.8
AERHL225006	Stream	274	25	14	11	13.6	99.89	1.49	20.40	12.56	120.3	315	18.9	9.2	494	2.10	9.2	1.7	1.9	6.2	50.4
AERHL225007	Rock Pulp	157	11	19	9	1.5	99.86	12.64	158.85	282.97	210.5	111	79.5	50.0	280	1.63	9.7	0.4	38.3	3.2	33.5
AERHL225008	Stream	283	25	15	11	13.3	99.90	1.49	21.93	12.47	122.0	328	19.5	8.9	384	2.06	9.2	1.8	2.1	6.1	49.1
AERHL225009	Stream	272	27	18	12	12.5	99.89	7.53	34.51	15.18	157.8	558	27.5	14.5	102	2.86	17.6	5.7	2.8	6.1	62.0
AERHL225010	Stream	268	29	15	13	16.4	99.89	3.63	37.28	16.69	167.5	624	26.9	10.2	358	3.12	15.1	2.5	3.3	6.5	72.2
AERHL225011	Stream	677	28	19	9	11.0	99.88	3.60	20.50	11.66	104.3	235	22.9	10.9	470	2.40	11.8	2.5	1.3	6.1	39.4
AERHL225012	Stream	552	27	12	9	11.7	99.89	1.39	11.77	9.52	88.9	170	18.1	10.4	1378	2.46	8.7	2.2	74.1	7.7	47.0
AERHL225013	Stream	589	26	13	9	12.2	99.89	1.19	14.96	11.52	79.3	137	19.7	9.3	528	2.32	8.2	1.4	1.0	6.3	35.5
AERHL225014	Stream	386	20	11	8	22.4	99.87	0.96	11.70	10.11	88.6	101	17.3	10.6	1995	2.71	8.1	1.4	1.1	3.7	37.2
AERHL225015	Stream	480	24	18	9	12.1	99.89	1.23	13.33	10.93	91.0	112	18.2	9.2	449	3.07	9.8	1.4	1.0	6.6	33.4
AERHL225016	Stream	464	23	15	9	12.1	99.92	0.64	12.35	9.79	70.5	106	15.4	7.5	448	1.81	5.2	1.4	1.1	4.6	32.2
AERHL225017	Stream	519	25	17	11	9.4	99.91	1.05	14.81	12.86	99.3	103	23.5	12.7	577	2.59	10.5	1.5	0.9	6.2	36.0
AERHL225018	Stream	323	22	15	11	13.7	99.91	1.20	13.75	13.85	94.5	119	18.7	11.5	591	3.54	13.6	2.3	1.1	5.1	40.0



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		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
AERCL227122	Stream	0.13	0.23	0.10	24	1.67	0.080	16.4	15.8	0.78	109.5	0.012	8	0.77	0.009	0.11	<0.1	2.8	0.11	0.33	34
AERCL227123	Stream	0.15	0.36	0.15	36	0.50	0.079	13.1	23.1	0.46	205.0	0.007	6	1.23	0.007	0.14	<0.1	4.6	0.14	0.08	46
AERCL227126	Rock Pulp	0.48	0.19	0.14	25	0.57	0.053	23.0	31.7	0.48	57.7	0.071	1	0.80	0.089	0.12	<0.1	2.9	0.08	0.04	11
AERCL227142	Stream	0.17	0.19	0.10	23	0.83	0.070	16.0	15.5	0.46	105.5	0.007	9	0.80	0.011	0.12	<0.1	2.8	0.13	0.24	31
AERCL227143	Stream	0.13	0.12	0.10	20	0.44	0.081	16.5	13.4	0.27	88.9	0.005	8	0.71	0.009	0.10	<0.1	2.4	0.08	0.08	28
AERCL227144	Stream	0.10	0.10	0.07	15	0.40	0.079	15.6	10.2	0.23	93.2	0.007	6	0.49	0.006	0.08	<0.1	1.7	0.10	0.11	24
AERCL227145	Stream	0.11	0.32	0.20	23	0.27	0.085	14.9	15.3	0.24	298.2	0.004	9	0.75	0.024	0.13	<0.1	3.0	0.17	0.21	65
AERCL227146	Rock Pulp	0.47	0.19	0.15	24	0.57	0.053	23.9	32.1	0.48	59.6	0.070	1	0.79	0.087	0.11	<0.1	2.9	0.08	0.04	13
AERCL227147	Stream	0.10	0.10	0.09	15	0.35	0.056	14.5	11.3	0.19	116.8	0.004	6	0.68	0.010	0.08	<0.1	2.0	0.15	0.08	28
AERCL227148	Stream	0.16	0.18	0.13	25	0.79	0.069	16.8	17.6	0.52	117.5	0.007	8	0.91	0.010	0.13	<0.1	3.2	0.14	0.09	30
AERCL227149	Stream	0.11	0.11	0.13	12	0.37	0.068	16.1	9.0	0.22	104.8	0.003	7	0.61	0.008	0.09	<0.1	2.0	0.11	0.07	25
AERCL227150	Stream	0.17	0.25	0.10	23	0.50	0.077	14.2	16.9	0.26	174.7	0.004	5	0.96	0.008	0.09	<0.1	3.0	0.15	0.08	49
AERHL225001	Pulp DUP	0.56	0.36	0.19	39	1.47	0.072	16.0	18.1	0.73	247.5	0.003	11	0.96	0.012	0.15	<0.1	3.9	0.17	0.12	87
AERHL225002	Stream	0.20	0.26	0.21	23	0.54	0.059	17.0	14.3	0.29	239.4	0.003	8	0.83	0.020	0.13	<0.1	3.3	0.16	0.14	32
AERHL225003	Stream	1.16	0.49	0.18	37	3.20	0.098	15.9	16.8	1.85	283.8	0.005	13	0.96	0.015	0.17	<0.1	4.0	0.20	0.14	88
AERHL225004	Stream	0.84	0.39	0.19	34	2.72	0.080	15.8	18.3	1.22	262.0	0.006	11	1.09	0.013	0.17	<0.1	3.7	0.22	0.21	53
AERHL225005	Stream	0.24	0.30	0.20	39	0.81	0.089	18.7	22.6	0.48	190.6	0.005	7	1.37	0.008	0.15	<0.1	3.9	0.19	0.04	37
AERHL225006	Stream	0.54	0.27	0.18	36	1.92	0.075	16.3	17.7	1.06	256.7	0.003	10	1.01	0.013	0.15	<0.1	3.8	0.18	0.11	89
AERHL225007	Rock Pulp	0.49	0.19	0.15	25	0.59	0.056	25.9	32.1	0.50	61.2	0.071	2	0.82	0.087	0.11	<0.1	3.0	0.07	0.04	15
AERHL225008	Stream	0.56	0.25	0.19	37	1.47	0.073	16.3	18.2	0.76	245.8	0.003	10	0.98	0.010	0.15	<0.1	3.8	0.19	0.11	90
AERHL225009	Stream	0.91	0.44	0.24	52	0.46	0.081	15.7	19.1	0.24	464.9	0.002	12	0.99	0.011	0.16	<0.1	4.5	0.28	0.10	113
AERHL225010	Stream	1.03	0.47	0.24	54	0.94	0.094	15.7	21.2	0.36	518.1	0.002	16	1.07	0.015	0.18	<0.1	5.3	0.23	0.34	152
AERHL225011	Stream	0.83	0.36	0.16	26	2.59	0.070	14.9	12.9	1.28	194.4	0.004	9	0.74	0.010	0.12	<0.1	2.8	0.24	0.65	54
AERHL225012	Stream	0.45	0.44	0.12	27	3.07	0.096	20.5	15.5	1.56	300.2	0.012	11	0.79	0.015	0.13	<0.1	2.7	0.17	0.14	53
AERHL225013	Stream	0.38	0.29	0.16	27	2.70	0.071	17.2	16.0	1.47	259.7	0.007	9	0.91	0.009	0.13	<0.1	3.0	0.18	0.16	57
AERHL225014	Stream	0.41	0.35	0.13	27	4.00	0.099	15.1	16.0	2.15	296.4	0.008	11	0.91	0.010	0.12	<0.1	2.5	0.15	0.23	51
AERHL225015	Stream	0.28	0.39	0.14	30	2.24	0.102	19.6	18.4	1.22	237.0	0.009	9	1.00	0.010	0.14	<0.1	3.2	0.15	0.16	46
AERHL225016	Stream	0.23	0.21	0.15	29	0.80	0.073	15.6	18.1	0.41	161.7	0.004	7	1.03	0.006	0.12	<0.1	3.0	0.17	0.07	49
AERHL225017	Stream	0.31	0.37	0.16	34	0.90	0.099	17.4	20.7	0.54	217.0	0.007	8	1.08	0.010	0.15	<0.1	3.7	0.17	0.09	51
AERHL225018	Stream	0.28	0.40	0.18	39	0.85	0.113	15.5	20.7	0.43	236.6	0.004	8	1.20	0.007	0.13	<0.1	3.6	0.17	0.06	56



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		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERCL227122	Stream	0.4	0.03	2.5	0.59	<0.1	0.15	0.35	8.8	0.4	<0.05	7.7	10.34	34.7	<0.02	1	0.4	11.9	4.06	16.10	3.18
AERCL227123	Stream	0.7	0.05	3.9	1.07	<0.1	0.10	0.19	15.0	0.4	<0.05	5.6	10.77	28.0	0.03	1	0.6	17.4	3.33	13.89	2.91
AERCL227126	Rock Pulp	0.1	<0.02	2.6	1.05	<0.1	0.17	0.43	6.9	2.2	<0.05	5.7	5.43	39.8	0.04	<1	0.2	8.6	4.84	16.55	2.43
AERCL227142	Stream	0.5	0.03	2.7	0.82	<0.1	0.12	0.34	12.1	0.5	<0.05	6.1	9.99	33.2	<0.02	2	0.5	12.6	3.92	15.68	3.08
AERCL227143	Stream	0.3	<0.02	2.3	0.65	<0.1	0.08	0.27	11.4	0.4	<0.05	4.3	8.71	35.5	<0.02	1	0.5	11.0	4.16	16.49	3.11
AERCL227144	Stream	0.2	<0.02	1.6	0.58	<0.1	0.07	0.24	8.9	0.3	<0.05	3.7	7.87	32.1	<0.02	1	0.3	7.7	3.79	15.15	2.83
AERCL227145	Stream	0.8	0.06	2.6	1.30	<0.1	0.06	0.19	15.5	0.5	<0.05	3.6	8.97	30.3	0.03	2	0.5	13.0	3.48	13.91	2.78
AERCL227146	Rock Pulp	0.2	<0.02	2.5	1.08	<0.1	0.17	0.42	7.0	2.3	<0.05	5.6	5.53	41.7	0.03	<1	0.2	8.8	5.09	17.16	2.51
AERCL227147	Stream	0.3	0.02	2.2	0.73	<0.1	0.05	0.21	12.5	0.4	<0.05	2.8	6.89	29.7	<0.02	2	0.4	8.5	3.42	13.26	2.56
AERCL227148	Stream	0.4	0.04	3.0	0.90	<0.1	0.13	0.22	14.5	0.5	<0.05	7.1	10.43	36.5	0.02	<1	0.6	14.7	4.22	16.89	3.27
AERCL227149	Stream	0.3	0.04	1.9	1.02	<0.1	0.06	0.10	12.9	0.4	<0.05	3.7	8.98	33.6	<0.02	<1	0.6	7.3	3.88	15.43	2.93
AERCL227150	Stream	0.3	0.03	3.0	0.74	<0.1	0.05	0.26	14.6	0.5	<0.05	2.0	7.82	30.0	0.02	2	0.5	13.4	3.41	13.59	2.61
AERHL225001	Pulp DUP	1.1	0.07	3.2	1.00	<0.1	0.10	0.40	16.9	0.5	<0.05	5.0	12.72	33.1	0.03	4	0.7	13.5	4.25	16.69	3.53
AERHL225002	Stream	0.7	0.06	2.9	1.11	<0.1	0.09	0.19	14.3	0.7	<0.05	4.4	10.71	35.1	0.03	<1	0.6	10.9	4.16	16.84	3.33
AERHL225003	Stream	1.8	0.07	2.9	0.85	<0.1	0.12	0.39	15.8	0.5	<0.05	6.0	15.36	32.6	0.04	5	0.7	13.5	4.35	17.38	3.81
AERHL225004	Stream	1.0	0.06	3.4	1.03	<0.1	0.11	0.34	16.7	0.6	<0.05	5.5	11.70	33.3	0.03	4	0.7	15.6	4.10	16.58	3.41
AERHL225005	Stream	0.6	0.04	4.5	0.86	<0.1	0.08	0.40	20.1	0.6	<0.05	3.7	10.31	39.6	0.03	2	0.9	18.2	4.78	17.85	3.53
AERHL225006	Stream	0.9	0.05	3.3	0.78	<0.1	0.10	0.38	16.2	0.6	<0.05	5.1	12.98	33.5	0.03	3	0.7	14.0	4.36	17.02	3.63
AERHL225007	Rock Pulp	<0.1	<0.02	2.6	1.15	<0.1	0.18	0.37	7.2	2.4	<0.05	6.0	5.90	44.0	0.04	<1	0.2	9.1	5.52	18.25	2.70
AERHL225008	Stream	1.0	0.06	3.2	0.82	<0.1	0.11	0.38	16.6	0.6	<0.05	5.1	13.37	33.7	0.03	3	0.7	13.8	4.22	17.19	3.65
AERHL225009	Stream	2.7	0.10	3.4	0.80	<0.1	0.09	0.35	16.3	0.9	<0.05	5.1	15.34	32.0	0.04	7	0.8	13.7	4.25	17.33	3.91
AERHL225010	Stream	2.8	0.10	3.5	0.93	<0.1	0.11	0.36	18.7	0.6	<0.05	5.7	18.02	32.0	0.04	6	0.9	16.1	4.23	18.34	4.27
AERHL225011	Stream	1.3	0.06	2.4	0.95	<0.1	0.11	0.22	12.6	0.5	<0.05	6.2	12.69	32.0	0.02	5	0.6	9.8	4.06	15.92	3.26
AERHL225012	Stream	0.6	0.04	2.6	0.95	<0.1	0.09	0.40	13.2	0.4	<0.05	4.6	13.39	43.6	<0.02	1	0.5	11.9	5.20	20.78	4.10
AERHL225013	Stream	0.5	0.04	2.8	0.97	<0.1	0.09	0.34	14.6	0.5	<0.05	4.9	11.92	36.9	0.02	2	0.5	12.2	4.38	17.38	3.43
AERHL225014	Stream	0.7	0.05	2.7	0.72	<0.1	0.04	0.44	13.1	0.6	<0.05	1.7	9.86	31.9	<0.02	2	0.5	12.1	3.68	14.54	2.81
AERHL225015	Stream	0.5	0.04	3.3	0.83	<0.1	0.07	0.48	14.8	0.5	<0.05	3.9	12.16	41.2	0.02	2	0.6	14.4	5.03	18.79	3.63
AERHL225016	Stream	0.5	0.04	3.4	1.02	<0.1	0.05	0.38	16.6	0.5	<0.05	2.5	8.89	32.6	0.02	2	0.5	12.5	3.86	15.23	3.00
AERHL225017	Stream	0.5	0.04	3.5	0.98	<0.1	0.10	0.38	16.3	0.6	<0.05	5.3	11.31	36.4	0.03	2	0.8	16.0	4.47	17.28	3.46
AERHL225018	Stream	0.7	0.06	3.7	0.89	<0.1	0.09	0.44	16.3	0.5	<0.05	4.5	10.23	32.0	0.03	2	0.8	15.5	3.84	15.40	3.08



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERCL227122	Stream	0.59	2.74	0.36	2.05	0.36	0.97	0.13	0.78	0.11	<10	<2
AERCL227123	Stream	0.62	2.65	0.35	2.03	0.36	0.96	0.13	0.79	0.11	<10	<2
AERCL227126	Rock Pulp	0.53	1.59	0.18	1.06	0.18	0.50	0.07	0.42	0.06	41	25
AERCL227142	Stream	0.57	2.67	0.34	1.90	0.33	0.88	0.12	0.69	0.10	<10	<2
AERCL227143	Stream	0.53	2.53	0.32	1.76	0.30	0.81	0.10	0.64	0.09	<10	<2
AERCL227144	Stream	0.46	2.36	0.29	1.59	0.28	0.72	0.09	0.57	0.08	<10	<2
AERCL227145	Stream	0.52	2.42	0.32	1.80	0.32	0.84	0.11	0.64	0.09	<10	<2
AERCL227146	Rock Pulp	0.54	1.67	0.19	1.10	0.18	0.52	0.07	0.44	0.06	45	26
AERCL227147	Stream	0.43	2.05	0.25	1.41	0.24	0.63	0.08	0.51	0.07	<10	<2
AERCL227148	Stream	0.62	2.83	0.35	2.04	0.35	0.92	0.12	0.75	0.10	<10	<2
AERCL227149	Stream	0.52	2.45	0.31	1.76	0.31	0.84	0.11	0.69	0.09	<10	<2
AERCL227150	Stream	0.48	2.17	0.28	1.62	0.28	0.75	0.10	0.60	0.08	<10	<2
AERHL225001	Pulp DUP	0.71	3.30	0.44	2.48	0.44	1.15	0.14	0.83	0.11	<10	<2
AERHL225002	Stream	0.62	2.93	0.38	2.11	0.36	0.99	0.12	0.76	0.10	<10	<2
AERHL225003	Stream	0.77	3.61	0.49	2.86	0.51	1.30	0.16	0.94	0.13	<10	<2
AERHL225004	Stream	0.64	3.04	0.39	2.28	0.40	1.04	0.13	0.81	0.11	<10	<2
AERHL225005	Stream	0.63	2.91	0.38	2.16	0.36	0.94	0.12	0.74	0.10	<10	<2
AERHL225006	Stream	0.72	3.35	0.44	2.59	0.45	1.14	0.14	0.86	0.11	<10	<2
AERHL225007	Rock Pulp	0.57	1.76	0.20	1.16	0.20	0.54	0.07	0.46	0.06	44	28
AERHL225008	Stream	0.71	3.35	0.44	2.59	0.45	1.16	0.15	0.86	0.12	<10	<2
AERHL225009	Stream	0.81	3.76	0.51	2.96	0.52	1.32	0.16	0.96	0.13	<10	<2
AERHL225010	Stream	0.90	4.30	0.59	3.41	0.61	1.59	0.20	1.15	0.15	<10	<2
AERHL225011	Stream	0.62	3.02	0.40	2.34	0.41	1.09	0.14	0.84	0.12	<10	<2
AERHL225012	Stream	0.71	3.50	0.43	2.62	0.45	1.17	0.15	0.89	0.11	<10	<2
AERHL225013	Stream	0.62	2.99	0.39	2.25	0.39	1.02	0.13	0.81	0.11	<10	<2
AERHL225014	Stream	0.50	2.40	0.30	1.77	0.31	0.82	0.10	0.63	0.09	<10	<2
AERHL225015	Stream	0.64	3.05	0.39	2.25	0.39	1.03	0.13	0.81	0.11	<10	<2
AERHL225016	Stream	0.53	2.50	0.31	1.79	0.31	0.79	0.10	0.64	0.08	<10	<2
AERHL225017	Stream	0.64	2.99	0.38	2.23	0.39	1.04	0.13	0.83	0.11	<10	<2
AERHL225018	Stream	0.58	2.68	0.34	2.01	0.35	0.92	0.12	0.73	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
AERHL225019	Stream	2.35	688	<1	10.6	4.5	12.4	8.8	11.8	80.8	1	111.5	0.8	9.9	3.9	113	1.0	344.4	22.7	30.1	58.9
AERHL225020	Stream	2.52	751	<1	10.6	4.7	13.2	7.3	12.9	89.3	2	120.4	0.9	11.8	4.8	121	2.1	279.0	22.2	32.5	61.4
AERHL225021	Pulp DUP		827	2	11.7	5.4	13.1	6.1	13.9	93.7	2	121.8	0.9	10.1	4.9	153	1.0	225.4	26.4	33.6	65.0
AERHL225022	Stream	2.85	712	2	14.2	5.2	12.6	8.4	12.5	87.9	2	118.8	0.8	11.3	4.1	119	1.5	323.5	27.1	34.5	66.5
AERHL225023	Stream	2.66	740	<1	10.6	4.4	12.1	12.1	12.9	76.3	2	118.1	0.9	10.5	5.6	108	2.3	474.1	27.9	31.9	64.5
AERHL225024	Stream	2.71	796	2	10.3	5.1	13.0	6.6	12.8	85.9	2	120.4	0.8	10.2	4.7	144	1.0	255.1	24.9	30.8	58.3
AERHL225025	Stream	2.30	797	3	10.1	5.8	12.7	5.7	12.9	88.8	2	122.8	0.9	9.2	4.2	150	1.4	224.6	24.6	30.1	58.5
AERHL225026	Stream	2.35	599	<1	7.8	3.9	12.4	13.5	11.6	84.5	1	118.7	0.8	10.5	3.9	110	1.2	530.3	24.6	31.7	61.8
AERHL225027	Stream	2.28	651	2	11.1	4.9	12.8	9.2	12.0	87.4	1	112.1	0.8	10.8	4.2	111	1.3	348.0	22.9	33.3	65.1
AERHL225028	Stream	2.24	688	5	12.0	5.5	16.1	5.6	11.9	115.3	1	129.7	0.7	11.5	3.6	134	1.5	223.9	21.7	33.2	62.9
AERHL225029	Stream	1.96	792	2	10.3	4.0	10.3	6.9	11.4	73.5	<1	112.6	0.8	9.7	4.1	121	0.8	264.6	23.9	29.4	56.5
AERHL225030	Stream	2.28	1052	<1	9.2	7.0	14.1	6.8	14.6	106.0	2	135.5	0.9	11.8	5.3	199	1.4	268.9	28.8	33.7	62.6
AERHL225031	Stream	2.24	869	<1	9.1	3.8	10.6	15.3	12.6	72.8	<1	123.1	0.8	12.3	4.1	123	1.6	603.3	27.1	31.2	60.1
AERHL225032	Stream	2.31	770	2	7.9	5.3	12.4	8.7	14.1	93.2	1	130.1	1.0	12.0	4.2	156	1.1	348.9	24.0	33.1	60.3
AERHL225033	Rock Pulp	0.06	438	<1	49.9	1.7	12.3	4.1	15.2	35.6	6	371.8	0.4	3.7	0.7	56	0.8	155.0	11.1	28.7	51.1
AERHL225034	Stream	2.00	661	2	8.1	3.4	9.5	11.7	10.9	65.3	1	118.4	0.9	11.4	3.3	92	2.2	467.8	24.2	31.9	63.8
AERHL225035	Stream	2.17	661	2	8.9	4.4	12.2	8.4	12.5	77.6	1	115.8	0.8	10.2	3.6	115	2.0	326.7	23.3	31.2	59.0
AERHL225036	Stream	2.54	769	3	11.6	4.0	11.1	10.7	12.5	70.5	2	113.3	0.9	11.8	3.8	100	2.9	435.0	25.9	32.9	64.7
AERHL225037	Stream	2.51	657	3	9.6	3.0	10.0	12.3	11.0	63.5	<1	110.5	0.8	10.4	3.5	84	0.9	507.3	26.0	31.1	62.5
AERHL225038	Stream	2.94	672	2	8.7	4.1	11.4	12.4	12.0	75.2	1	106.6	0.8	10.9	3.3	105	1.3	499.9	26.3	32.7	64.0
AERHL225039	Stream	2.62	630	3	9.2	3.3	10.8	14.7	11.1	69.9	1	109.7	0.8	12.0	3.6	115	0.9	571.2	25.7	33.3	63.0
AERHL225040	Stream	1.89	609	<1	8.7	4.6	12.2	9.3	11.6	77.6	3	113.4	0.8	10.4	3.5	113	1.3	351.9	21.9	32.1	64.4
AERHL225041	Pulp DUP		1026	2	20.4	6.7	15.4	6.5	13.5	98.7	6	145.3	0.8	13.4	11.6	178	1.2	261.8	25.8	39.2	74.5
AERHL225042	Stream	1.20	559	5	8.6	3.6	11.7	8.6	11.0	73.4	<1	112.4	0.9	9.3	5.8	105	0.9	327.1	19.7	26.7	53.1
AERHL225043	Stream	1.11	801	<1	10.9	4.7	12.2	7.4	12.0	75.1	1	111.4	0.9	11.4	4.0	108	1.3	268.7	21.7	29.5	56.5
AERHL225044	Stream	1.14	796	5	11.5	6.6	15.5	6.8	13.9	109.6	2	145.7	1.1	11.3	7.7	164	0.9	268.3	25.3	36.8	71.2
AERHL225045	Stream	1.37	712	3	13.6	4.6	12.6	7.2	10.9	89.7	1	125.1	0.9	12.0	6.3	152	1.3	282.9	24.1	31.9	60.5
AERHL225046	Stream	1.49	1007	<1	17.1	5.7	13.2	6.9	13.0	88.9	2	130.4	0.9	12.8	9.9	168	1.3	263.3	23.2	34.8	63.4
AERHL225047	Stream	1.34	1013	5	18.8	6.1	13.9	6.6	12.3	91.4	1	131.9	0.7	11.0	10.8	173	1.6	242.8	24.1	32.9	58.6
AERHL225048	Stream	1.51	599	<1	9.2	5.4	13.8	7.7	12.2	90.9	2	124.4	0.9	10.6	4.6	127	1.6	294.0	19.5	29.9	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
AERHL225019	Stream	6.96	25.1	4.80	0.95	4.27	0.65	3.67	0.81	2.51	0.35	2.57	0.41	0.7	14.9	10.0	90	19.3	7.1	0.4	0.2
AERHL225020	Stream	7.40	28.0	5.16	0.98	4.43	0.68	3.79	0.83	2.56	0.37	2.34	0.39	2.9	15.9	11.6	108	19.8	9.3	0.5	0.3
AERHL225021	Pulp DUP	7.55	29.2	5.41	1.17	4.96	0.76	4.62	0.96	2.92	0.40	2.51	0.38	3.5	34.4	12.7	161	27.3	12.6	1.5	0.4
AERHL225022	Stream	7.95	30.9	5.48	1.20	5.14	0.79	4.60	0.96	2.81	0.42	2.76	0.40	2.4	26.6	14.1	107	32.3	11.7	0.5	0.3
AERHL225023	Stream	7.72	28.3	5.45	1.02	4.88	0.73	4.35	0.95	2.95	0.44	2.95	0.46	6.4	20.3	12.4	107	21.5	13.2	0.5	0.3
AERHL225024	Stream	7.24	28.7	5.13	1.09	4.99	0.73	4.50	0.89	2.68	0.39	2.52	0.38	3.4	33.4	12.3	167	26.1	12.7	1.5	0.4
AERHL225025	Stream	7.02	28.3	4.96	1.06	4.54	0.73	4.17	0.88	2.62	0.39	2.56	0.39	3.6	35.7	12.9	170	26.8	13.0	1.5	0.4
AERHL225026	Stream	7.22	26.9	5.01	0.90	4.45	0.67	4.08	0.90	2.81	0.40	2.86	0.45	0.9	14.1	8.9	97	16.5	3.9	0.4	0.1
AERHL225027	Stream	7.59	28.2	5.16	0.96	4.37	0.70	3.90	0.84	2.42	0.36	2.35	0.37	1.5	17.4	12.4	92	23.1	7.7	0.4	0.2
AERHL225028	Stream	7.52	29.7	5.04	0.98	4.41	0.63	3.75	0.80	2.32	0.34	2.26	0.33	0.5	17.6	12.5	96	25.2	4.4	0.2	0.2
AERHL225029	Stream	6.98	26.8	5.07	1.00	4.54	0.70	4.17	0.82	2.61	0.37	2.47	0.36	2.8	28.2	11.8	117	23.9	11.2	0.8	0.3
AERHL225030	Stream	7.93	31.4	5.77	1.22	5.54	0.83	4.84	1.09	3.19	0.42	2.89	0.45	2.6	33.8	14.4	151	28.9	9.6	0.8	0.3
AERHL225031	Stream	7.52	28.0	5.42	1.01	5.01	0.78	4.55	1.01	3.03	0.45	3.02	0.47	2.4	21.0	9.9	121	19.8	9.3	0.6	0.3
AERHL225032	Stream	7.64	29.0	5.26	0.99	4.60	0.72	4.31	0.94	2.67	0.39	2.50	0.40	2.0	26.3	13.0	125	21.0	8.3	0.7	0.2
AERHL225033	Rock Pulp	6.20	22.6	3.43	0.93	2.71	0.35	1.95	0.37	1.02	0.13	0.97	0.14	12.6	161.9	274.8	217	83.2	9.8	0.5	0.2
AERHL225034	Stream	7.65	29.3	5.35	0.95	4.80	0.74	4.36	0.89	2.64	0.36	2.64	0.41	1.3	16.8	9.1	86	17.9	7.5	0.5	0.2
AERHL225035	Stream	7.00	26.5	5.13	0.95	4.39	0.69	4.01	0.86	2.63	0.39	2.64	0.39	1.7	17.2	11.5	80	18.2	7.9	0.3	0.2
AERHL225036	Stream	7.79	29.9	5.19	0.96	4.85	0.74	4.03	0.93	2.60	0.38	2.72	0.41	1.9	19.7	11.8	90	21.3	10.0	0.5	0.2
AERHL225037	Stream	7.40	28.3	5.02	1.06	4.50	0.73	4.27	0.93	2.79	0.41	2.67	0.42	1.4	15.9	11.2	79	19.2	8.4	0.4	0.2
AERHL225038	Stream	7.57	28.5	5.29	1.02	4.71	0.72	4.34	0.91	2.79	0.40	2.86	0.45	1.4	21.8	11.8	86	23.6	9.2	0.3	0.2
AERHL225039	Stream	7.70	28.1	5.42	0.97	4.64	0.74	4.26	0.93	2.76	0.42	2.88	0.52	1.1	15.9	10.4	76	19.7	6.9	0.3	0.2
AERHL225040	Stream	7.22	27.5	5.09	1.06	4.43	0.66	4.20	0.91	2.60	0.38	2.39	0.40	0.6	15.5	10.4	82	17.6	5.7	0.3	0.2
AERHL225041	Pulp DUP	8.46	32.0	5.87	1.20	5.16	0.79	4.86	0.95	2.79	0.40	2.72	0.43	16.4	44.4	17.6	209	44.1	27.7	1.9	0.6
AERHL225042	Stream	6.23	23.3	4.36	0.82	3.81	0.59	3.26	0.74	2.20	0.31	2.18	0.38	1.4	14.8	10.4	82	17.5	5.9	0.4	0.2
AERHL225043	Stream	6.86	25.1	4.73	0.93	4.06	0.67	3.87	0.83	2.47	0.34	2.46	0.41	0.8	18.2	13.5	78	18.8	8.8	0.2	0.1
AERHL225044	Stream	7.99	31.2	5.54	1.07	4.82	0.73	4.18	0.88	2.58	0.39	2.65	0.41	4.3	26.6	14.0	147	26.3	10.8	0.8	0.3
AERHL225045	Stream	7.54	28.7	5.18	1.07	4.68	0.73	4.17	0.90	2.61	0.38	2.51	0.38	3.6	27.2	13.5	185	28.2	16.5	1.0	0.4
AERHL225046	Stream	7.73	29.4	5.10	1.02	4.76	0.71	4.17	0.91	2.62	0.39	2.49	0.42	14.7	39.7	16.5	202	39.3	25.5	1.8	0.6
AERHL225047	Stream	7.25	27.3	4.96	1.05	4.71	0.72	4.28	0.89	2.62	0.39	2.61	0.43	16.2	42.5	17.1	211	43.0	27.0	1.8	0.6
AERHL225048	Stream	6.80	24.7	4.28	0.83	3.81	0.57	3.46	0.74	2.24	0.31	2.18	0.34	0.9	14.4	11.2	105	17.8	5.5	0.4	0.1



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	Method	Analyte	Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	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	LF300	LF300	LF300
					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
AERHL225019	Stream																							
AERHL225020	Stream																							
AERHL225021	Pulp DUP																							
AERHL225022	Stream																							
AERHL225023	Stream																							
AERHL225024	Stream																							
AERHL225025	Stream																							
AERHL225026	Stream																							
AERHL225027	Stream																							
AERHL225028	Stream																							
AERHL225029	Stream																							
AERHL225030	Stream																							
AERHL225031	Stream																							
AERHL225032	Stream																							
AERHL225033	Rock Pulp																							
AERHL225034	Stream																							
AERHL225035	Stream																							
AERHL225036	Stream																							
AERHL225037	Stream																							
AERHL225038	Stream																							
AERHL225039	Stream																							
AERHL225040	Stream																							
AERHL225041	Pulp DUP																							
AERHL225042	Stream																							
AERHL225043	Stream																							
AERHL225044	Stream																							
AERHL225045	Stream																							
AERHL225046	Stream																							
AERHL225047	Stream																							
AERHL225048	Stream																							



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Method Analyte Unit MDL		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERHL225019	Stream	374	24	17	10	15.1	99.92	0.76	15.49	10.55	89.2	142	19.5	10.1	594	2.31	7.3	2.0	1.1	4.4	36.9
AERHL225020	Stream	316	24	16	10	13.6	99.92	3.02	17.39	12.35	107.6	203	19.6	10.0	543	2.50	9.6	2.6	1.4	5.8	43.8
AERHL225021	Pulp DUP	233	27	21	11	14.0	99.89	3.63	34.12	12.61	163.1	518	25.9	9.8	441	2.38	12.5	2.1	2.8	5.7	52.7
AERHL225022	Stream	366	28	16	12	11.0	99.90	2.49	25.47	14.36	102.3	194	30.1	12.2	580	2.72	11.3	2.2	1.4	6.8	45.5
AERHL225023	Stream	496	29	17	10	8.0	99.92	6.81	19.99	12.43	104.7	202	20.7	9.8	330	2.75	13.1	2.6	1.1	6.0	41.3
AERHL225024	Stream	289	28	18	11	13.1	99.88	3.56	34.26	12.80	169.7	544	26.5	10.5	469	2.43	13.4	2.1	2.4	5.6	54.1
AERHL225025	Stream	243	27	13	11	13.0	99.89	3.65	35.38	13.28	168.3	558	26.2	10.0	446	2.41	13.0	2.2	2.5	6.0	55.4
AERHL225026	Stream	551	24	19	10	9.5	99.93	0.87	14.31	9.22	99.3	178	16.5	7.6	156	1.77	4.1	1.4	1.1	6.1	38.3
AERHL225027	Stream	406	25	15	11	10.9	99.91	1.51	17.76	12.93	92.4	151	23.1	11.6	583	2.42	8.1	2.0	1.6	6.3	36.7
AERHL225028	Stream	236	22	15	14	14.2	99.90	0.51	18.58	12.87	99.5	139	25.8	11.4	253	2.66	4.6	1.9	1.2	7.1	53.1
AERHL225029	Stream	287	26	16	10	11.7	99.90	3.04	28.96	12.23	122.3	378	23.9	9.1	447	2.30	11.3	2.2	2.4	5.3	42.2
AERHL225030	Stream	307	29	27	14	15.0	99.88	2.81	35.58	14.92	153.6	542	29.7	9.1	161	2.06	9.9	3.3	3.0	6.8	71.9
AERHL225031	Stream	668	28	19	10	10.0	99.91	2.57	20.78	10.03	115.2	293	19.2	8.5	313	2.08	9.6	1.8	1.8	6.4	42.1
AERHL225032	Stream	406	27	20	11	11.6	99.90	2.01	25.82	13.33	121.4	395	20.2	8.0	200	1.90	8.4	1.9	2.0	6.3	57.1
AERHL225033	Rock Pulp	161	11	16	9	1.0	99.85	12.41	161.32	274.03	216.2	108	81.0	49.8	273	1.63	9.8	0.4	38.0	3.1	34.0
AERHL225034	Stream	498	26	14	9	12.9	99.90	1.44	17.26	10.31	87.9	222	18.0	8.3	990	2.19	7.8	1.6	1.5	6.3	42.2
AERHL225035	Stream	356	26	18	10	14.1	99.92	1.82	17.66	11.66	79.2	177	17.8	7.7	254	2.19	8.1	1.9	1.3	5.4	44.0
AERHL225036	Stream	464	29	19	9	9.9	99.90	2.12	20.16	12.16	88.1	202	21.1	9.9	504	2.46	10.1	1.8	1.4	5.7	38.0
AERHL225037	Stream	533	26	16	8	10.4	99.91	1.43	16.09	11.67	78.7	160	18.8	9.2	537	2.41	8.7	1.6	1.1	5.6	33.9
AERHL225038	Stream	494	26	16	10	10.4	99.91	1.56	21.00	12.69	83.4	158	23.0	8.5	294	2.22	9.3	1.5	1.4	7.2	35.1
AERHL225039	Stream	638	27	14	9	11.1	99.91	0.99	15.46	10.66	74.8	133	19.1	8.4	382	1.92	6.8	1.5	1.0	6.2	33.5
AERHL225040	Stream	361	22	9	9	17.1	99.93	0.55	14.92	10.35	77.4	130	16.8	7.6	381	1.94	5.2	1.5	1.0	4.5	37.3
AERHL225041	Pulp DUP	253	27	14	12	12.3	99.88	16.94	43.82	17.92	204.4	491	42.9	18.9	340	3.43	27.6	7.7	2.2	7.0	66.6
AERHL225042	Stream	369	20	12	9	16.1	99.92	1.32	14.42	10.43	79.4	134	16.8	8.4	677	2.02	5.6	3.6	1.1	4.0	41.5
AERHL225043	Stream	325	23	15	10	10.7	99.93	0.87	18.42	13.98	80.9	114	18.7	10.8	478	2.59	9.0	1.9	0.9	6.1	60.1
AERHL225044	Stream	271	23	18	12	13.5	99.90	4.21	24.87	13.66	139.1	333	24.6	9.6	145	2.17	10.2	3.9	1.9	6.3	67.7
AERHL225045	Stream	332	26	12	11	12.5	99.89	3.56	26.52	13.74	183.3	377	27.1	14.1	200	3.11	16.3	3.2	1.8	6.2	65.1
AERHL225046	Stream	331	26	15	12	11.4	99.87	14.93	40.48	17.11	208.8	455	39.1	17.9	394	3.38	26.1	6.4	1.5	6.8	67.5
AERHL225047	Stream	267	27	13	12	11.9	99.88	17.62	46.33	18.65	224.6	514	46.2	19.8	364	3.63	29.3	7.8	2.3	7.5	75.5
AERHL225048	Stream	347	22	16	11	12.3	99.92	0.93	13.96	11.21	101.6	170	17.0	8.6	168	2.05	5.6	2.0	0.9	5.4	54.8



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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
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
AERHL225019	Stream	0.40	0.23	0.17	34	0.90	0.083	16.0	19.3	0.39	234.7	0.004	8	1.12	0.007	0.12	<0.1	3.4	0.17	0.08	61
AERHL225020	Stream	0.52	0.34	0.17	36	1.27	0.080	17.1	18.1	0.66	295.9	0.004	11	1.10	0.016	0.13	<0.1	3.5	0.20	0.15	59
AERHL225021	Pulp DUP	1.46	0.62	0.22	39	1.56	0.080	15.0	17.4	0.85	299.2	0.004	13	0.92	0.016	0.17	<0.1	4.1	0.27	0.26	93
AERHL225022	Stream	0.52	0.42	0.23	31	1.52	0.073	17.9	19.7	0.74	234.4	0.006	10	0.98	0.009	0.17	<0.1	4.0	0.23	0.40	66
AERHL225023	Stream	0.50	0.42	0.20	24	0.82	0.072	15.3	12.9	0.49	241.1	0.004	7	0.74	0.013	0.12	<0.1	3.0	0.22	0.23	45
AERHL225024	Stream	1.52	0.50	0.20	36	1.74	0.086	15.6	16.8	0.97	319.8	0.004	13	0.85	0.014	0.16	<0.1	4.1	0.23	0.19	93
AERHL225025	Stream	1.49	0.46	0.22	38	1.59	0.085	15.7	18.1	0.88	309.2	0.004	13	0.94	0.015	0.18	<0.1	4.2	0.24	0.25	90
AERHL225026	Stream	0.40	0.15	0.13	32	0.98	0.072	15.3	19.4	0.51	143.8	0.004	9	1.15	0.016	0.14	<0.1	3.4	0.19	0.25	34
AERHL225027	Stream	0.34	0.25	0.19	34	0.92	0.076	17.9	20.1	0.53	205.6	0.006	8	1.15	0.007	0.16	<0.1	3.7	0.20	0.13	57
AERHL225028	Stream	0.20	0.20	0.20	45	0.94	0.071	18.6	32.5	0.67	222.6	0.006	12	1.81	0.017	0.22	<0.1	5.2	0.18	0.21	50
AERHL225029	Stream	0.79	0.40	0.19	28	2.15	0.077	14.2	13.8	1.21	283.0	0.004	11	0.74	0.010	0.13	<0.1	3.5	0.22	0.35	73
AERHL225030	Stream	0.85	0.41	0.23	49	0.72	0.084	16.3	21.6	0.30	497.9	0.002	13	1.09	0.012	0.17	<0.1	5.5	0.22	0.21	133
AERHL225031	Stream	0.63	0.34	0.15	32	1.21	0.083	17.2	15.0	0.63	341.8	0.004	10	0.74	0.010	0.12	<0.1	3.2	0.18	0.10	72
AERHL225032	Stream	0.65	0.26	0.20	42	0.78	0.073	16.4	19.6	0.36	295.2	0.003	12	1.05	0.012	0.16	<0.1	4.1	0.21	0.12	86
AERHL225033	Rock Pulp	0.51	0.20	0.14	24	0.59	0.056	24.5	32.7	0.49	58.6	0.073	2	0.82	0.089	0.12	<0.1	3.0	0.08	0.04	15
AERHL225034	Stream	0.54	0.27	0.15	25	2.68	0.083	18.1	14.1	1.38	261.4	0.006	9	0.76	0.010	0.12	<0.1	2.9	0.17	0.10	52
AERHL225035	Stream	0.32	0.24	0.19	27	1.11	0.061	16.6	14.9	0.46	210.6	0.003	9	0.91	0.013	0.11	<0.1	3.0	0.16	0.11	50
AERHL225036	Stream	0.43	0.31	0.17	22	1.92	0.068	15.8	12.7	0.99	219.1	0.004	9	0.72	0.009	0.12	<0.1	3.0	0.18	0.47	50
AERHL225037	Stream	0.39	0.25	0.15	22	2.49	0.070	14.9	12.8	1.39	201.4	0.005	8	0.74	0.008	0.11	<0.1	2.7	0.16	0.33	53
AERHL225038	Stream	0.29	0.29	0.20	27	1.82	0.070	18.7	17.0	0.95	239.7	0.005	9	0.92	0.008	0.15	<0.1	3.3	0.19	0.06	56
AERHL225039	Stream	0.28	0.22	0.16	28	1.63	0.069	17.1	17.0	0.81	201.6	0.006	9	0.90	0.007	0.14	<0.1	3.0	0.16	0.23	49
AERHL225040	Stream	0.29	0.21	0.16	30	1.05	0.080	15.4	17.7	0.47	167.1	0.004	8	1.01	0.006	0.13	<0.1	3.1	0.15	0.10	66
AERHL225041	Pulp DUP	1.79	0.87	0.29	43	1.26	0.082	15.7	16.6	0.59	238.0	0.002	11	1.00	0.025	0.20	<0.1	4.5	0.52	0.69	63
AERHL225042	Stream	0.41	0.23	0.15	35	1.14	0.071	14.0	17.9	0.41	167.6	0.004	8	1.10	0.006	0.12	<0.1	2.9	0.15	0.15	39
AERHL225043	Stream	0.20	0.17	0.24	22	0.55	0.051	17.0	12.9	0.27	411.8	0.002	9	0.85	0.021	0.14	<0.1	3.4	0.12	0.20	23
AERHL225044	Stream	0.79	0.35	0.22	41	0.83	0.072	15.8	19.8	0.41	305.4	0.002	9	1.25	0.011	0.18	<0.1	4.2	0.26	0.19	53
AERHL225045	Stream	0.94	0.48	0.20	48	1.22	0.103	16.6	20.6	0.51	303.4	0.003	10	1.18	0.031	0.17	<0.1	4.2	0.26	0.35	49
AERHL225046	Stream	1.78	0.67	0.29	43	1.47	0.081	15.6	16.3	0.65	189.5	0.003	11	1.00	0.025	0.19	<0.1	4.2	0.42	0.76	61
AERHL225047	Stream	1.93	0.93	0.30	47	1.39	0.084	18.1	18.1	0.64	581.3	0.005	17	1.10	0.026	0.23	<0.1	4.8	0.55	0.72	60
AERHL225048	Stream	0.37	0.18	0.16	33	1.07	0.077	14.0	19.2	0.41	168.6	0.003	8	1.27	0.030	0.15	<0.1	3.7	0.17	0.69	35



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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				
					Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm	
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
					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	0.1	0.02	0.02	0.02	0.02
AERHL225019	Stream	0.6	0.04	3.5	0.71	<0.1	0.08	0.46	15.6	0.5	<0.05	3.9	11.16	34.8	0.03	4	0.7	15.3	4.30	16.21	3.26				
AERHL225020	Stream	1.1	0.04	3.7	0.64	<0.1	0.09	0.43	15.3	0.6	<0.05	4.2	11.64	35.0	0.03	2	0.8	15.6	4.19	16.73	3.33				
AERHL225021	Pulp DUP	2.0	0.07	3.2	1.13	<0.1	0.12	0.36	16.7	0.6	<0.05	5.9	14.37	31.1	0.03	6	0.7	12.8	4.12	16.58	3.60				
AERHL225022	Stream	1.0	0.06	3.3	1.35	<0.1	0.12	0.28	17.8	1.1	<0.05	7.2	14.13	37.8	0.03	3	0.8	15.5	4.91	18.60	3.83				
AERHL225023	Stream	1.3	0.06	2.6	1.22	<0.1	0.09	0.21	14.2	0.6	<0.05	5.0	11.87	32.5	0.02	3	0.7	10.6	4.20	15.94	3.27				
AERHL225024	Stream	2.2	0.06	2.9	1.04	<0.1	0.12	0.35	16.2	0.8	<0.05	6.1	15.58	32.3	0.03	5	0.7	12.5	4.19	17.45	3.80				
AERHL225025	Stream	2.0	0.06	3.2	1.08	<0.1	0.12	0.34	17.4	0.6	<0.05	6.0	15.16	32.1	0.03	5	0.7	13.1	4.21	17.13	3.76				
AERHL225026	Stream	0.5	0.04	3.7	0.73	<0.1	0.12	0.41	17.1	0.5	<0.05	5.1	9.88	32.4	0.02	2	0.6	16.4	4.02	15.03	2.99				
AERHL225027	Stream	0.6	0.04	3.7	1.02	<0.1	0.09	0.39	17.7	0.5	<0.05	4.5	10.80	37.6	0.03	2	0.7	15.0	4.55	17.51	3.45				
AERHL225028	Stream	0.4	0.03	5.3	0.94	<0.1	0.20	0.64	23.6	0.7	<0.05	9.6	11.44	38.4	0.03	2	1.0	29.0	4.72	17.88	3.59				
AERHL225029	Stream	1.6	0.06	2.5	1.06	<0.1	0.09	0.27	14.0	0.4	<0.05	5.2	13.98	29.2	0.03	5	0.6	10.4	3.73	15.47	3.37				
AERHL225030	Stream	2.6	0.09	3.6	0.92	<0.1	0.12	0.37	19.2	0.6	<0.05	5.8	19.36	33.6	0.04	5	0.9	19.2	4.62	19.02	4.42				
AERHL225031	Stream	1.1	0.06	2.5	0.89	<0.1	0.08	0.30	13.0	0.4	<0.05	4.2	13.28	34.9	0.02	2	0.6	9.6	4.68	17.79	3.70				
AERHL225032	Stream	1.3	0.05	3.4	0.86	<0.1	0.10	0.38	16.8	0.5	<0.05	5.0	13.28	33.4	0.03	3	0.7	14.2	4.24	17.05	3.59				
AERHL225033	Rock Pulp	<0.1	<0.02	2.6	1.13	<0.1	0.17	0.45	7.1	2.4	<0.05	6.0	5.52	42.4	0.04	<1	0.2	9.0	5.07	17.29	2.55				
AERHL225034	Stream	0.7	0.03	2.4	0.83	<0.1	0.11	0.36	13.3	0.4	<0.05	5.3	12.79	38.0	0.02	2	0.5	10.1	4.64	18.27	3.68				
AERHL225035	Stream	0.8	0.05	2.9	0.71	<0.1	0.12	0.39	13.4	0.5	<0.05	5.7	11.96	34.3	0.02	2	0.7	10.3	4.17	16.66	3.37				
AERHL225036	Stream	0.8	0.05	2.4	1.10	<0.1	0.11	0.18	13.6	0.4	<0.05	6.4	13.51	33.5	0.02	3	0.6	9.3	4.05	16.42	3.41				
AERHL225037	Stream	0.7	0.05	2.2	0.88	<0.1	0.10	0.24	12.0	0.4	<0.05	5.1	11.39	31.6	<0.02	2	0.6	9.6	3.88	15.26	3.11				
AERHL225038	Stream	0.5	0.05	2.9	1.07	<0.1	0.14	0.31	14.9	0.5	<0.05	7.2	13.12	38.9	0.02	2	0.6	11.8	5.02	18.86	3.79				
AERHL225039	Stream	0.6	0.04	2.8	0.85	<0.1	0.12	0.42	14.8	0.4	<0.05	6.0	11.24	35.9	0.02	3	0.6	12.4	4.52	16.72	3.36				
AERHL225040	Stream	0.6	0.04	3.1	0.73	<0.1	0.09	0.49	14.4	0.5	<0.05	4.3	10.42	32.7	0.02	2	0.6	12.1	3.89	15.26	3.07				
AERHL225041	Pulp DUP	4.0	0.13	3.7	1.31	<0.1	0.14	0.26	18.2	0.7	<0.05	7.2	15.09	32.8	0.04	15	0.7	11.7	4.18	16.66	3.65				
AERHL225042	Stream	1.3	0.03	3.6	0.59	<0.1	0.08	0.49	13.8	0.5	<0.05	3.3	8.15	29.8	0.02	3	0.5	13.8	3.45	13.50	2.59				
AERHL225043	Stream	0.7	0.04	2.8	1.20	<0.1	0.09	0.19	15.7	0.6	<0.05	5.1	11.87	36.4	0.03	<1	0.7	8.1	4.28	16.72	3.36				
AERHL225044	Stream	1.8	0.05	4.1	0.83	<0.1	0.13	0.39	19.2	0.6	<0.05	6.2	11.73	33.7	0.03	7	0.8	16.6	4.09	16.26	3.37				
AERHL225045	Stream	1.6	0.06	3.9	0.87	<0.1	0.13	0.39	18.7	0.6	<0.05	5.8	14.21	35.4	0.03	5	0.9	15.8	4.54	17.80	3.73				
AERHL225046	Stream	3.5	0.12	3.6	1.17	<0.1	0.14	0.26	18.1	0.7	<0.05	7.3	14.22	31.9	0.04	13	0.8	11.4	3.96	16.21	3.47				
AERHL225047	Stream	4.1	0.13	4.0	1.77	<0.1	0.18	0.33	23.4	0.7	<0.05	9.7	16.06	36.9	0.04	15	0.9	13.6	4.53	18.35	3.91				
AERHL225048	Stream	0.7	0.03	4.0	0.82	<0.1	0.12	0.37	18.3	0.6	<0.05	5.6	9.27	28.3	0.03	2	0.8	17.8	3.38	13.20	2.66				



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERHL225019	Stream	0.62	2.89	0.37	2.14	0.38	0.99	0.12	0.79	0.11	<10	<2
AERHL225020	Stream	0.61	2.86	0.37	2.18	0.38	0.99	0.12	0.77	0.10	<10	<2
AERHL225021	Pulp DUP	0.76	3.49	0.48	2.73	0.48	1.26	0.15	0.91	0.13	<10	<2
AERHL225022	Stream	0.75	3.48	0.46	2.69	0.47	1.25	0.16	0.98	0.13	<10	<2
AERHL225023	Stream	0.62	2.94	0.38	2.23	0.39	1.00	0.13	0.76	0.10	<10	<2
AERHL225024	Stream	0.78	3.68	0.49	2.88	0.50	1.31	0.16	0.95	0.13	<10	<2
AERHL225025	Stream	0.79	3.65	0.49	2.81	0.50	1.28	0.15	0.93	0.13	<10	<2
AERHL225026	Stream	0.54	2.58	0.33	1.92	0.33	0.86	0.11	0.65	0.09	<10	<2
AERHL225027	Stream	0.62	2.96	0.38	2.14	0.37	0.98	0.12	0.76	0.10	<10	<2
AERHL225028	Stream	0.69	3.05	0.40	2.30	0.39	1.05	0.13	0.83	0.11	<10	<2
AERHL225029	Stream	0.69	3.23	0.43	2.53	0.45	1.18	0.14	0.89	0.12	<10	<2
AERHL225030	Stream	0.95	4.48	0.61	3.56	0.63	1.61	0.20	1.16	0.16	<10	<2
AERHL225031	Stream	0.68	3.34	0.44	2.53	0.44	1.14	0.14	0.84	0.11	<10	<2
AERHL225032	Stream	0.72	3.34	0.44	2.54	0.43	1.11	0.13	0.81	0.11	<10	<2
AERHL225033	Rock Pulp	0.54	1.68	0.19	1.12	0.19	0.53	0.07	0.45	0.06	47	26
AERHL225034	Stream	0.67	3.24	0.42	2.48	0.43	1.12	0.14	0.86	0.12	<10	<2
AERHL225035	Stream	0.63	2.99	0.39	2.24	0.39	1.03	0.13	0.79	0.11	<10	<2
AERHL225036	Stream	0.65	3.10	0.41	2.38	0.42	1.14	0.14	0.89	0.12	<10	<2
AERHL225037	Stream	0.58	2.85	0.37	2.16	0.38	1.01	0.13	0.78	0.11	<10	<2
AERHL225038	Stream	0.71	3.39	0.44	2.51	0.43	1.17	0.15	0.91	0.12	<10	<2
AERHL225039	Stream	0.60	2.90	0.39	2.15	0.37	0.98	0.12	0.77	0.10	<10	<2
AERHL225040	Stream	0.59	2.70	0.37	2.03	0.35	0.92	0.11	0.72	0.10	<10	<2
AERHL225041	Pulp DUP	0.73	3.45	0.48	2.76	0.49	1.30	0.16	0.98	0.13	<10	<2
AERHL225042	Stream	0.47	2.21	0.29	1.60	0.28	0.71	0.09	0.56	0.07	<10	<2
AERHL225043	Stream	0.64	3.00	0.41	2.28	0.40	1.06	0.14	0.86	0.11	<10	<2
AERHL225044	Stream	0.66	3.06	0.42	2.30	0.40	1.04	0.13	0.77	0.10	<10	<2
AERHL225045	Stream	0.73	3.49	0.48	2.63	0.46	1.22	0.15	0.91	0.12	<10	<2
AERHL225046	Stream	0.70	3.30	0.46	2.58	0.46	1.23	0.15	0.95	0.13	<10	<2
AERHL225047	Stream	0.76	3.66	0.52	2.92	0.51	1.36	0.16	1.06	0.14	<10	<2
AERHL225048	Stream	0.51	2.37	0.32	1.78	0.30	0.81	0.10	0.61	0.08	<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
AERHL225049	Stream	1.04	674	<1	10.5	4.5	12.6	7.3	11.6	81.2	1	123.0	0.8	11.7	4.3	115	1.3	275.5	23.5	30.9	60.9
AERHL225050	Rock Pulp	0.07	477	2	53.0	1.8	13.8	4.1	16.4	37.3	7	419.1	0.4	3.9	0.9	52	<0.5	163.9	11.4	32.6	60.2
AERHL225051	Stream	1.30	676	3	6.9	2.9	8.8	16.3	11.8	59.6	1	101.5	0.8	12.0	3.8	74	1.2	654.2	27.6	30.3	60.0
AERHL225052	Stream	0.80	488	<1	5.4	4.9	12.2	5.7	11.3	80.9	2	113.3	0.9	8.6	3.7	109	1.1	220.0	14.6	25.2	45.2
AERHL225053	Stream	1.28	648	3	11.4	4.8	13.0	6.2	12.0	95.0	2	126.8	0.8	10.3	5.6	140	1.5	231.6	23.2	30.9	61.5
AERHL225054	Stream	1.21	720	<1	19.9	5.5	14.2	3.7	10.4	92.0	1	142.9	0.6	9.1	2.7	146	1.2	139.4	19.3	29.8	57.9
AERHL225055	Stream	1.81	712	<1	16.5	6.3	15.3	5.8	12.5	100.0	2	117.1	0.9	11.4	3.8	151	1.6	208.6	24.5	33.0	62.8
AERHL225056	Stream	1.20	704	3	13.6	5.9	14.6	7.5	12.0	99.6	2	141.7	0.8	11.4	3.0	149	1.4	290.4	23.2	35.3	66.7
AERHL225057	Stream	1.48	724	3	13.1	6.3	16.2	4.8	12.1	102.4	2	135.4	0.8	11.0	3.6	153	1.3	183.6	24.7	34.5	66.0
AERHL225058	Stream	1.23	656	<1	7.4	3.0	9.0	8.0	10.0	65.5	1	119.1	0.7	9.3	2.5	88	0.6	319.0	22.0	26.1	51.2
AERHL225059	Stream	1.58	773	2	11.7	5.7	13.6	6.9	13.8	100.6	2	141.7	0.9	10.9	3.8	148	1.1	250.9	24.3	36.1	66.9
AERHL225060	Stream	1.49	616	<1	6.0	3.3	9.9	8.3	10.0	67.1	<1	146.5	0.7	8.6	2.3	94	1.1	317.3	19.8	25.9	50.7
AERHL225061	Pulp DUP		715	<1	11.3	4.3	11.9	6.3	11.3	83.1	2	126.0	0.7	10.1	3.1	123	1.0	243.0	23.7	30.6	56.5
AERHL225062	Stream	1.27	569	2	8.1	4.4	11.8	6.6	10.9	80.1	1	166.6	0.8	8.7	3.0	109	1.0	262.5	20.8	28.1	54.1
AERHL225063	Stream	1.35	609	1	8.9	5.8	14.9	6.7	12.0	109.1	2	155.4	0.8	11.1	3.2	136	1.4	260.2	20.9	31.4	59.1
AERHL225064	Stream	1.74	562	2	8.2	5.5	14.0	8.6	11.6	94.7	1	130.4	0.7	11.0	3.8	129	1.7	341.3	20.5	30.9	59.2
AERHL225065	Stream	1.73	768	6	9.5	7.2	15.3	6.7	15.9	112.7	2	145.2	0.8	11.6	6.7	200	1.1	261.6	23.3	36.0	68.0
AERHL225066	Stream	1.37	633	2	11.5	5.3	14.6	7.3	12.9	96.5	2	119.9	0.8	11.3	4.1	136	1.4	279.7	24.1	31.6	60.7
AERHL225067	Stream	1.24	564	<1	8.1	5.5	14.2	6.6	12.4	96.0	1	137.4	0.9	10.9	4.4	133	1.4	257.6	19.1	30.3	58.1
AERHL225068	Stream	1.32	556	<1	6.7	5.6	14.0	6.9	12.2	96.4	2	125.4	0.8	9.5	4.5	122	1.3	258.4	18.5	28.2	53.4
AERHL225069	Stream	1.86	650	2	9.9	6.4	15.5	5.3	13.8	102.6	2	119.5	0.9	12.1	4.1	145	1.4	209.9	22.0	33.0	62.7
AERHL225070	Stream	1.34	621	3	11.3	5.3	13.5	5.7	11.6	93.7	2	129.1	0.9	10.6	4.4	132	1.2	229.0	20.4	30.1	56.3
AERHL225071	Stream	1.59	598	2	8.4	5.3	13.9	7.8	12.5	90.3	1	131.8	0.9	10.8	4.5	129	1.8	305.8	22.6	32.4	58.9
AERHL225072	Stream	1.67	675	1	12.9	6.3	15.3	6.8	11.9	105.6	2	137.6	1.0	11.9	4.5	155	1.2	250.7	24.4	34.3	64.7
AERHL225073	Stream	1.30	715	3	13.3	7.1	18.1	4.5	13.3	115.9	2	141.5	0.7	12.2	3.1	169	1.1	183.9	24.5	36.0	68.1
AERHL225074	Stream	1.38	673	2	8.2	4.7	12.4	5.2	11.4	84.3	1	126.3	0.7	9.6	2.4	132	1.7	207.6	20.4	27.5	53.3
AERHL225075	Stream	2.14	671	<1	22.2	4.7	13.2	7.5	12.3	88.1	1	128.0	0.8	10.9	3.9	128	1.5	286.8	21.0	30.4	59.5
AERHL225076	Rock Pulp	0.07	427	1	47.2	1.7	12.7	3.6	14.9	34.0	6	367.3	0.3	3.9	0.9	56	0.6	141.3	10.8	28.5	50.5
AERHL225077	Stream	1.09	760	1	11.0	4.7	13.0	6.8	11.2	81.3	2	115.5	0.9	10.3	3.3	129	1.0	250.2	23.6	28.3	53.8
AERHL225078	Stream	0.99	687	<1	11.6	4.8	12.8	6.9	11.0	81.0	2	123.7	0.8	10.4	3.4	133	1.1	252.9	23.5	30.1	59.2



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		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
AERHL225049	Stream	7.07	26.5	4.88	0.97	4.43	0.66	3.76	0.87	2.41	0.35	2.41	0.39	2.8	21.7	12.9	105	25.5	10.3	0.6	0.2
AERHL225050	Rock Pulp	6.73	25.8	4.12	1.03	3.01	0.38	2.24	0.41	1.16	0.17	1.16	0.16	13.0	167.4	281.5	227	84.9	10.3	0.5	0.2
AERHL225051	Stream	7.39	28.8	5.15	0.98	4.61	0.75	4.59	1.02	3.17	0.47	3.14	0.51	1.0	12.3	9.8	70	13.0	6.9	0.2	0.1
AERHL225052	Stream	5.33	19.4	3.16	0.57	2.62	0.41	2.49	0.53	1.69	0.23	1.79	0.29	0.6	11.9	9.1	63	10.9	2.1	0.3	0.1
AERHL225053	Stream	7.26	27.0	4.81	0.95	4.32	0.65	3.87	0.84	2.42	0.34	2.20	0.37	5.1	23.0	14.5	134	27.5	12.2	0.5	0.3
AERHL225054	Stream	6.93	26.7	4.73	0.97	4.16	0.61	3.55	0.78	2.14	0.28	1.97	0.31	1.0	21.3	13.1	180	39.0	16.4	0.7	0.3
AERHL225055	Stream	7.52	28.1	5.19	1.04	4.60	0.73	4.21	0.88	2.68	0.37	2.48	0.40	0.7	24.8	13.7	149	33.2	8.8	0.4	0.2
AERHL225056	Stream	8.14	29.9	5.36	1.07	4.58	0.73	4.14	0.87	2.66	0.37	2.48	0.41	0.8	24.0	13.7	106	29.7	6.6	0.3	0.2
AERHL225057	Stream	7.95	28.9	5.55	1.15	4.88	0.72	4.40	0.88	2.56	0.37	2.46	0.37	1.0	30.3	14.9	112	37.4	9.9	0.4	0.2
AERHL225058	Stream	6.22	23.3	4.56	0.93	4.36	0.62	3.75	0.79	2.32	0.34	2.40	0.36	0.3	16.5	9.4	82	16.4	6.3	0.3	0.2
AERHL225059	Stream	7.56	28.7	4.96	1.11	4.41	0.66	4.03	0.81	2.47	0.36	2.41	0.37	0.7	19.3	12.5	125	29.2	6.2	0.3	0.2
AERHL225060	Stream	5.99	22.8	4.27	0.86	3.63	0.58	3.38	0.72	2.13	0.31	2.16	0.34	0.3	13.5	8.5	92	15.4	4.5	0.3	0.2
AERHL225061	Pulp DUP	6.93	27.1	4.73	0.95	4.58	0.69	4.12	0.85	2.55	0.35	2.55	0.37	0.8	24.7	11.6	110	29.3	8.6	0.5	0.2
AERHL225062	Stream	6.40	23.9	4.26	0.84	3.88	0.59	3.67	0.74	2.24	0.31	2.10	0.35	1.1	15.8	9.9	87	16.2	9.9	0.4	0.2
AERHL225063	Stream	7.03	25.7	4.79	0.94	3.94	0.64	3.84	0.79	2.32	0.34	2.31	0.36	1.3	16.0	11.1	109	21.0	5.9	0.3	0.2
AERHL225064	Stream	6.89	25.2	4.56	0.85	3.88	0.59	3.49	0.70	2.33	0.34	2.27	0.35	0.9	16.4	10.7	77	19.2	4.4	0.3	0.2
AERHL225065	Stream	7.91	29.8	5.11	1.09	4.34	0.66	4.01	0.80	2.56	0.40	2.51	0.39	4.8	27.9	13.9	142	22.0	11.7	0.8	0.4
AERHL225066	Stream	7.28	26.4	5.01	0.93	4.50	0.67	4.41	0.88	2.72	0.37	2.57	0.38	1.4	18.6	12.5	112	21.9	8.1	0.5	0.2
AERHL225067	Stream	6.90	25.6	4.46	0.87	3.96	0.58	3.60	0.70	2.34	0.31	2.25	0.34	0.8	16.7	10.9	93	18.0	4.3	0.4	0.1
AERHL225068	Stream	6.08	21.5	3.83	0.73	3.36	0.52	3.33	0.70	1.97	0.29	2.10	0.34	0.8	13.4	10.5	99	14.4	3.7	0.5	0.1
AERHL225069	Stream	7.37	27.9	4.89	0.99	4.38	0.65	4.10	0.83	2.49	0.35	2.39	0.37	1.2	19.8	13.8	95	23.3	7.7	0.3	0.1
AERHL225070	Stream	6.83	25.0	4.55	0.90	4.13	0.63	3.74	0.73	2.29	0.31	2.17	0.34	2.0	20.8	12.4	104	24.6	8.3	0.4	0.2
AERHL225071	Stream	7.11	26.3	4.67	0.85	3.98	0.60	3.53	0.76	2.39	0.36	2.49	0.36	2.1	16.9	10.7	84	22.3	5.7	0.3	0.2
AERHL225072	Stream	7.73	28.5	5.36	1.07	4.92	0.72	4.35	0.88	2.68	0.39	2.61	0.39	2.1	25.8	14.0	147	30.6	9.1	0.5	0.2
AERHL225073	Stream	8.08	29.9	5.34	1.13	4.73	0.71	4.08	0.88	2.56	0.37	2.64	0.36	0.5	25.9	14.2	121	32.5	6.8	0.3	0.2
AERHL225074	Stream	6.25	24.5	4.32	0.93	3.84	0.59	3.51	0.70	2.13	0.30	2.15	0.30	0.8	20.0	10.7	111	20.7	9.5	0.4	0.2
AERHL225075	Stream	7.08	25.4	4.61	0.90	3.99	0.61	3.52	0.79	2.32	0.37	2.28	0.38	0.6	11.9	11.7	141	24.1	8.6	0.2	0.1
AERHL225076	Rock Pulp	6.09	21.7	3.74	0.90	2.59	0.37	1.90	0.39	1.13	0.16	1.06	0.17	12.9	155.3	281.6	207	79.2	10.4	0.6	0.2
AERHL225077	Stream	6.60	25.6	4.58	0.96	4.30	0.67	3.95	0.84	2.60	0.36	2.47	0.36	1.5	16.4	11.9	93	22.5	9.6	0.5	0.2
AERHL225078	Stream	7.01	27.3	5.04	1.05	4.37	0.70	4.25	0.87	2.51	0.38	2.65	0.38	0.8	22.6	10.1	99	28.1	8.1	0.4	0.2



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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	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
AERHL225049	Stream																							
AERHL225050	Rock Pulp																							
AERHL225051	Stream																							
AERHL225052	Stream																							
AERHL225053	Stream																							
AERHL225054	Stream																							
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AERHL225059	Stream																							
AERHL225060	Stream																							
AERHL225061	Pulp DUP																							
AERHL225062	Stream																							
AERHL225063	Stream																							
AERHL225064	Stream																							
AERHL225065	Stream																							
AERHL225066	Stream																							
AERHL225067	Stream																							
AERHL225068	Stream																							
AERHL225069	Stream																							
AERHL225070	Stream																							
AERHL225071	Stream																							
AERHL225072	Stream																							
AERHL225073	Stream																							
AERHL225074	Stream																							
AERHL225075	Stream																							
AERHL225076	Rock Pulp																							
AERHL225077	Stream																							
AERHL225078	Stream																							



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CERTIFICATE OF ANALYSIS

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Method	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
MDL	5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERHL225049	Stream	306	24	16	10	11.1	99.91	2.89	21.14	13.22	103.2	183	24.5	10.2	307	2.43	10.1	2.2	0.9	60.9
AERHL225050	Rock Pulp	168	10	18	9	1.5	99.84	12.29	154.51	267.85	213.9	108	79.3	49.2	280	1.61	9.5	0.4	37.2	34.3
AERHL225051	Stream	762	27	14	8	6.3	99.94	0.96	11.83	9.55	67.9	105	12.5	6.2	338	2.38	6.6	1.3	0.3	33.4
AERHL225052	Stream	259	17	14	10	20.0	99.93	0.64	10.89	8.78	60.1	143	10.1	4.5	98	1.16	2.0	1.7	0.9	53.2
AERHL225053	Stream	266	24	11	11	12.2	99.91	5.03	21.71	14.66	129.7	224	26.0	12.0	291	2.71	11.8	3.1	1.1	54.7
AERHL225054	Stream	166	23	13	12	19.2	99.89	0.93	20.49	12.96	169.8	181	37.4	19.6	513	5.01	16.1	1.2	1.3	77.7
AERHL225055	Stream	232	26	15	14	12.2	99.90	0.80	23.26	14.02	145.0	182	31.5	17.6	330	2.45	8.5	2.0	1.3	53.5
AERHL225056	Stream	337	25	16	13	12.7	99.90	0.79	22.43	13.30	103.3	164	27.3	13.9	1282	2.41	6.1	1.1	1.2	64.6
AERHL225057	Stream	213	26	15	14	13.6	99.90	1.05	28.52	14.04	109.7	178	34.6	13.7	599	2.71	9.4	1.7	1.4	67.1
AERHL225058	Stream	422	24	12	8	11.8	99.93	0.31	16.03	9.75	79.5	183	15.8	6.7	498	2.13	6.0	0.9	1.0	50.4
AERHL225059	Stream	259	22	19	11	11.7	99.92	0.73	18.49	11.86	119.7	202	27.3	9.5	244	2.24	6.2	1.8	1.1	54.2
AERHL225060	Stream	363	21	11	8	12.6	99.94	0.29	12.47	8.28	86.1	152	13.9	5.4	272	1.96	4.1	0.7	1.6	68.6
AERHL225061	Pulp DUP	285	25	16	11	13.5	99.91	0.79	22.95	11.03	102.9	177	26.8	11.7	834	2.24	8.1	1.5	1.2	54.2
AERHL225062	Stream	289	21	14	9	14.3	99.93	1.10	15.09	9.95	83.6	169	15.3	7.0	264	2.82	9.4	0.9	1.1	102.3
AERHL225063	Stream	277	21	14	11	12.4	99.91	1.25	15.35	10.67	104.7	186	19.5	8.3	275	2.38	5.6	1.1	1.0	79.1
AERHL225064	Stream	373	20	14	11	14.7	99.93	0.97	15.55	10.30	74.6	176	17.8	7.4	207	1.66	4.1	1.4	1.0	48.2
AERHL225065	Stream	255	24	20	13	13.9	99.89	4.99	26.63	13.99	139.5	382	21.1	8.4	388	2.12	11.1	3.4	1.7	71.1
AERHL225066	Stream	308	23	16	11	13.5	99.92	1.36	17.48	11.99	107.2	157	20.1	10.3	378	2.16	7.7	1.8	1.1	45.8
AERHL225067	Stream	276	21	15	11	15.2	99.93	0.82	15.42	10.64	92.5	188	16.5	7.0	185	1.77	3.9	2.0	1.0	68.4
AERHL225068	Stream	312	20	15	11	15.6	99.92	0.86	12.31	9.72	92.9	162	13.0	6.0	142	1.51	3.2	1.9	0.8	54.1
AERHL225069	Stream	239	23	21	12	13.1	99.91	1.23	17.95	13.16	91.0	157	21.1	8.8	279	2.38	7.2	1.9	0.9	54.3
AERHL225070	Stream	243	22	17	11	16.7	99.93	1.96	19.02	12.02	95.9	162	22.7	10.3	249	2.58	7.9	2.0	1.0	56.8
AERHL225071	Stream	328	22	15	11	12.5	99.93	2.09	15.79	10.32	78.8	152	20.3	7.2	165	1.74	5.1	2.0	0.9	55.9
AERHL225072	Stream	285	26	19	13	12.1	99.90	2.17	24.43	13.40	140.2	222	28.5	13.4	415	2.56	8.5	2.3	1.2	58.6
AERHL225073	Stream	201	24	18	14	13.1	99.90	0.54	24.42	14.57	118.0	149	30.6	13.1	650	2.59	6.5	1.3	1.2	58.3
AERHL225074	Stream	229	22	14	11	15.3	99.91	0.77	18.59	10.63	105.3	177	19.2	8.3	949	2.61	9.1	1.1	1.4	55.0
AERHL225075	Stream	325	23	21	11	10.9	99.91	0.75	10.98	12.15	142.1	185	23.0	22.5	2598	3.08	8.2	2.0	2.1	55.0
AERHL225076	Rock Pulp	167	11	24	9	1.7	99.85	11.97	147.07	281.49	208.2	106	75.5	51.0	277	1.60	10.2	0.5	40.9	35.8
AERHL225077	Stream	280	24	17	11	10.0	99.91	1.58	19.32	12.55	109.7	218	24.5	11.3	651	2.58	11.9	1.6	1.9	48.3
AERHL225078	Stream	293	26	19	11	13.5	99.91	0.80	21.37	11.37	95.4	178	25.1	10.5	616	2.13	8.7	1.8	1.7	54.0



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		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
AERHL225049	Stream	0.56	0.30	0.21	30	1.57	0.067	15.7	16.8	0.57	229.0	0.003	10	1.00	0.022	0.17	<0.1	3.6	0.19	0.59	40
AERHL225050	Rock Pulp	0.49	0.20	0.14	25	0.61	0.054	24.2	32.1	0.49	58.4	0.072	2	0.83	0.093	0.12	<0.1	3.0	0.08	0.05	16
AERHL225051	Stream	0.23	0.14	0.14	20	0.76	0.066	16.8	11.0	0.43	243.8	0.003	6	0.63	0.006	0.10	<0.1	2.4	0.09	0.14	23
AERHL225052	Stream	0.30	0.18	0.13	28	0.94	0.052	10.1	16.8	0.28	140.9	0.002	8	1.15	0.028	0.12	<0.1	3.2	0.15	0.76	31
AERHL225053	Stream	0.50	0.40	0.22	41	1.07	0.094	16.0	20.4	0.50	200.0	0.003	10	1.21	0.015	0.19	<0.1	4.2	0.24	0.18	41
AERHL225054	Stream	0.60	0.39	0.22	51	1.48	0.113	14.6	25.3	0.48	85.0	0.004	12	1.36	0.030	0.26	<0.1	4.4	0.16	1.82	47
AERHL225055	Stream	0.40	0.29	0.23	39	0.43	0.087	18.1	24.0	0.35	234.4	0.003	9	1.34	0.014	0.20	<0.1	5.1	0.17	0.09	61
AERHL225056	Stream	0.29	0.30	0.23	41	1.06	0.103	17.5	25.7	0.72	234.4	0.005	13	1.40	0.053	0.26	<0.1	4.7	0.20	0.27	44
AERHL225057	Stream	0.34	0.32	0.24	51	1.15	0.107	18.7	29.0	0.64	245.7	0.005	15	1.65	0.015	0.31	<0.1	5.3	0.18	0.12	42
AERHL225058	Stream	0.27	0.20	0.13	27	1.65	0.091	14.8	14.9	0.49	238.9	0.004	10	0.77	0.011	0.13	<0.1	3.0	0.14	0.11	65
AERHL225059	Stream	0.32	0.26	0.17	39	0.79	0.106	15.2	24.1	0.43	217.5	0.004	11	1.32	0.025	0.20	<0.1	4.3	0.18	0.18	43
AERHL225060	Stream	0.26	0.23	0.11	27	1.68	0.106	11.1	17.4	0.44	168.4	0.006	12	0.90	0.102	0.13	<0.1	2.9	0.13	0.74	37
AERHL225061	Pulp DUP	0.42	0.34	0.19	37	1.04	0.112	16.2	22.7	0.56	248.2	0.006	13	1.15	0.098	0.21	<0.1	4.0	0.17	0.14	58
AERHL225062	Stream	0.37	0.21	0.16	27	1.85	0.099	14.0	16.4	0.44	154.0	0.003	14	1.05	0.076	0.14	<0.1	3.2	0.15	0.39	34
AERHL225063	Stream	0.28	0.19	0.17	39	1.30	0.082	14.8	24.3	0.56	157.5	0.004	13	1.43	0.080	0.19	<0.1	4.2	0.17	0.34	29
AERHL225064	Stream	0.27	0.23	0.15	35	1.08	0.054	14.2	21.2	0.54	129.7	0.003	9	1.28	0.021	0.16	<0.1	3.9	0.17	0.26	43
AERHL225065	Stream	0.74	0.49	0.22	42	0.72	0.101	15.6	18.3	0.34	270.2	0.002	12	1.05	0.021	0.19	<0.1	4.4	0.28	0.16	80
AERHL225066	Stream	0.45	0.26	0.19	32	0.62	0.076	15.8	19.3	0.38	191.7	0.003	8	1.11	0.027	0.15	<0.1	3.9	0.16	0.15	46
AERHL225067	Stream	0.35	0.19	0.17	33	1.56	0.077	14.0	19.6	0.41	141.7	0.002	8	1.23	0.060	0.15	<0.1	3.4	0.17	0.60	36
AERHL225068	Stream	0.44	0.17	0.15	27	0.91	0.057	11.3	17.2	0.37	114.4	0.002	7	1.06	0.081	0.15	<0.1	3.2	0.16	0.98	36
AERHL225069	Stream	0.29	0.18	0.22	35	0.81	0.072	16.1	19.8	0.41	197.5	0.002	9	1.32	0.026	0.17	<0.1	4.4	0.16	0.18	31
AERHL225070	Stream	0.40	0.26	0.20	35	0.98	0.093	14.4	20.0	0.45	202.9	0.003	11	1.23	0.030	0.17	<0.1	3.9	0.17	0.37	40
AERHL225071	Stream	0.30	0.24	0.16	31	1.04	0.076	14.1	20.2	0.44	153.3	0.003	8	1.17	0.032	0.16	<0.1	3.8	0.18	0.24	28
AERHL225072	Stream	0.52	0.31	0.21	45	1.04	0.108	18.1	25.3	0.67	201.3	0.004	11	1.44	0.030	0.23	<0.1	5.0	0.23	0.13	49
AERHL225073	Stream	0.26	0.29	0.25	45	0.72	0.120	19.9	30.3	0.60	201.5	0.005	13	1.61	0.013	0.29	<0.1	5.2	0.19	0.06	56
AERHL225074	Stream	0.39	0.22	0.18	38	0.79	0.128	14.9	20.8	0.49	208.0	0.004	13	1.13	0.025	0.22	<0.1	3.7	0.19	0.17	57
AERHL225075	Stream	0.28	0.25	0.18	38	0.61	0.125	17.3	19.9	0.35	245.0	0.004	10	1.21	0.016	0.17	<0.1	4.0	0.18	0.10	50
AERHL225076	Rock Pulp	0.58	0.20	0.16	26	0.61	0.050	25.0	32.0	0.48	68.9	0.075	2	0.89	0.118	0.13	<0.1	3.2	0.08	0.05	14
AERHL225077	Stream	0.66	0.36	0.21	32	0.86	0.111	16.4	18.7	0.54	327.2	0.005	11	0.97	0.015	0.17	<0.1	4.0	0.20	0.12	80
AERHL225078	Stream	0.43	0.31	0.20	37	1.09	0.108	15.7	21.4	0.54	271.1	0.006	13	1.13	0.116	0.19	<0.1	4.0	0.17	0.21	63



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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	
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERHL225049	Stream	0.9	0.05	3.2	1.09	<0.1	0.10	0.30	16.2	0.6	<0.05	5.9	12.37	33.0	0.03	3	0.7	12.8	4.01	16.05	3.34
AERHL225050	Rock Pulp	<0.1	<0.02	2.6	1.10	<0.1	0.16	0.48	7.0	2.4	<0.05	6.1	5.92	41.4	0.04	<1	0.2	8.5	5.08	17.09	2.53
AERHL225051	Stream	0.4	0.03	2.1	0.67	<0.1	0.08	0.18	10.5	0.4	<0.05	4.3	10.50	35.2	<0.02	<1	0.5	7.1	4.35	16.45	3.25
AERHL225052	Stream	0.6	<0.02	3.6	0.82	<0.1	0.09	0.30	15.9	0.5	<0.05	3.7	5.16	20.8	0.02	2	0.6	16.2	2.35	8.99	1.78
AERHL225053	Stream	1.1	0.05	4.0	0.91	<0.1	0.10	0.35	19.0	0.6	<0.05	4.9	12.14	34.1	0.03	4	0.8	18.0	4.17	16.70	3.46
AERHL225054	Stream	0.8	0.05	4.0	0.90	<0.1	0.11	0.47	18.4	0.5	<0.05	6.5	12.70	31.1	0.03	3	1.0	21.0	3.84	15.78	3.32
AERHL225055	Stream	0.5	0.05	4.0	1.10	<0.1	0.16	0.32	17.8	0.7	<0.05	8.4	14.30	38.8	0.04	1	1.0	19.6	4.91	18.73	3.92
AERHL225056	Stream	0.5	0.05	4.2	1.23	<0.1	0.14	0.33	21.4	0.6	<0.05	7.2	12.67	37.2	0.03	2	0.9	22.7	4.69	17.60	3.68
AERHL225057	Stream	0.5	0.07	4.8	1.09	<0.1	0.22	0.44	21.1	0.7	<0.05	12.1	14.93	39.5	0.04	3	1.0	25.4	4.99	19.13	4.02
AERHL225058	Stream	0.6	0.04	2.5	0.68	<0.1	0.11	0.33	13.2	0.4	<0.05	5.2	12.17	30.5	0.02	2	0.6	11.6	3.80	15.48	3.28
AERHL225059	Stream	0.8	0.05	4.0	0.99	<0.1	0.09	0.40	20.6	0.6	<0.05	5.0	11.29	31.3	0.03	2	0.8	21.5	3.73	14.89	3.04
AERHL225060	Stream	0.6	0.03	2.8	0.67	<0.1	0.09	0.39	14.3	0.4	<0.05	3.9	8.47	22.4	0.02	2	0.5	16.5	2.73	11.04	2.36
AERHL225061	Pulp DUP	0.8	0.05	3.4	1.11	<0.1	0.10	0.40	17.6	0.5	<0.05	6.0	13.25	33.5	0.03	3	0.7	18.2	4.21	16.97	3.57
AERHL225062	Stream	0.8	0.04	3.2	0.71	<0.1	0.12	0.35	14.8	0.5	<0.05	5.0	9.72	28.7	0.02	1	0.7	14.5	3.45	13.75	2.79
AERHL225063	Stream	0.5	0.03	4.5	0.89	<0.1	0.16	0.39	22.2	0.6	<0.05	7.0	10.03	31.0	0.03	2	0.8	22.5	3.64	14.51	2.92
AERHL225064	Stream	0.7	0.03	4.0	0.94	<0.1	0.12	0.43	18.7	0.5	<0.05	5.6	8.43	29.3	0.02	3	0.6	18.2	3.40	13.26	2.64
AERHL225065	Stream	1.7	0.08	3.5	1.01	<0.1	0.11	0.33	19.1	0.6	<0.05	5.7	12.35	31.5	0.03	8	0.9	14.2	4.03	15.62	3.32
AERHL225066	Stream	0.7	0.04	3.6	0.88	<0.1	0.12	0.36	17.6	0.6	<0.05	6.6	10.96	33.3	0.03	3	0.8	14.3	4.12	15.78	3.21
AERHL225067	Stream	0.8	0.03	4.0	0.73	<0.1	0.05	0.34	17.1	0.6	<0.05	2.4	9.21	28.2	0.03	2	0.8	17.8	3.34	13.26	2.70
AERHL225068	Stream	0.6	0.03	3.5	0.62	<0.1	0.08	0.34	16.6	0.5	<0.05	4.1	6.60	22.6	0.02	3	0.6	15.8	2.65	10.42	2.08
AERHL225069	Stream	0.6	0.05	4.1	0.92	<0.1	0.15	0.28	18.4	0.7	<0.05	7.2	10.60	33.0	0.03	1	0.9	17.3	3.97	15.48	3.16
AERHL225070	Stream	0.9	0.04	3.9	0.83	<0.1	0.11	0.41	17.3	0.6	<0.05	5.3	10.09	30.9	0.03	4	0.8	19.1	3.61	14.50	3.03
AERHL225071	Stream	0.7	0.04	3.8	0.83	<0.1	0.13	0.38	16.5	0.5	<0.05	5.7	9.19	28.8	0.03	3	0.7	18.6	3.42	13.62	2.76
AERHL225072	Stream	1.0	0.05	4.3	1.01	<0.1	0.16	0.39	21.2	0.6	<0.05	7.8	13.89	38.4	0.03	4	0.9	21.1	4.79	18.48	3.84
AERHL225073	Stream	0.5	0.06	4.7	1.29	<0.1	0.15	0.46	23.3	0.6	<0.05	8.1	12.80	40.7	0.04	3	1.0	24.9	5.09	19.43	3.96
AERHL225074	Stream	0.6	0.04	3.4	0.85	<0.1	0.09	0.43	18.1	0.5	<0.05	4.8	11.20	30.6	0.03	2	0.7	17.2	3.71	14.96	3.09
AERHL225075	Stream	0.7	0.05	4.2	1.11	<0.1	0.06	0.31	19.6	0.6	<0.05	3.9	9.85	35.5	0.04	3	1.1	21.7	4.24	15.85	3.18
AERHL225076	Rock Pulp	<0.1	0.04	3.2	1.19	<0.1	0.19	0.40	7.6	2.9	<0.05	5.6	5.68	43.9	0.05	<1	0.2	9.7	5.25	18.60	2.82
AERHL225077	Stream	0.7	0.06	3.7	1.39	<0.1	0.11	0.27	17.4	0.5	<0.05	5.3	12.47	33.7	0.04	5	0.9	14.6	4.25	17.48	3.77
AERHL225078	Stream	1.0	0.04	3.8	1.16	<0.1	0.11	0.43	17.0	0.6	<0.05	7.2	12.05	34.0	0.02	3	0.9	17.8	4.36	16.89	3.90



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERHL225049	Stream	0.67	3.07	0.42	2.37	0.41	1.10	0.14	0.85	0.12	<10	<2
AERHL225050	Rock Pulp	0.54	1.67	0.21	1.10	0.19	0.52	0.07	0.46	0.06	48	26
AERHL225051	Stream	0.55	2.73	0.37	2.00	0.34	0.89	0.11	0.70	0.09	<10	<2
AERHL225052	Stream	0.34	1.51	0.20	1.11	0.19	0.49	0.06	0.38	0.05	<10	<2
AERHL225053	Stream	0.68	3.14	0.43	2.36	0.40	1.07	0.13	0.79	0.10	<10	<2
AERHL225054	Stream	0.71	3.11	0.43	2.39	0.42	1.09	0.14	0.85	0.11	<10	<2
AERHL225055	Stream	0.81	3.60	0.50	2.80	0.49	1.30	0.17	1.04	0.14	<10	<2
AERHL225056	Stream	0.74	3.28	0.46	2.50	0.43	1.14	0.14	0.91	0.12	<10	<2
AERHL225057	Stream	0.83	3.63	0.50	2.77	0.49	1.27	0.16	1.01	0.14	<10	<2
AERHL225058	Stream	0.64	3.01	0.41	2.28	0.40	1.05	0.13	0.82	0.11	<10	<2
AERHL225059	Stream	0.61	2.74	0.37	2.10	0.36	0.98	0.12	0.77	0.10	<10	<2
AERHL225060	Stream	0.47	2.19	0.29	1.64	0.29	0.74	0.09	0.60	0.08	<10	<2
AERHL225061	Pulp DUP	0.72	3.32	0.44	2.50	0.44	1.16	0.15	0.91	0.12	<10	<2
AERHL225062	Stream	0.55	2.52	0.34	1.89	0.33	0.84	0.11	0.64	0.09	<10	<2
AERHL225063	Stream	0.58	2.59	0.35	1.93	0.34	0.89	0.11	0.67	0.09	<10	<2
AERHL225064	Stream	0.50	2.28	0.31	1.71	0.29	0.76	0.09	0.58	0.08	<10	<2
AERHL225065	Stream	0.68	3.15	0.44	2.42	0.42	1.10	0.13	0.82	0.11	<10	<2
AERHL225066	Stream	0.62	2.85	0.39	2.12	0.37	0.98	0.12	0.78	0.10	<10	<2
AERHL225067	Stream	0.53	2.43	0.32	1.84	0.31	0.83	0.10	0.63	0.08	<10	<2
AERHL225068	Stream	0.40	1.80	0.25	1.35	0.23	0.60	0.07	0.47	0.06	<10	<2
AERHL225069	Stream	0.62	2.78	0.39	2.09	0.36	0.93	0.12	0.73	0.10	<10	<2
AERHL225070	Stream	0.59	2.70	0.36	2.02	0.34	0.91	0.11	0.71	0.09	<10	<2
AERHL225071	Stream	0.53	2.43	0.33	1.82	0.31	0.81	0.10	0.62	0.08	<10	<2
AERHL225072	Stream	0.77	3.50	0.48	2.68	0.46	1.23	0.15	0.95	0.13	<10	<2
AERHL225073	Stream	0.81	3.54	0.48	2.67	0.46	1.22	0.15	0.97	0.13	<10	<2
AERHL225074	Stream	0.62	2.78	0.38	2.14	0.37	0.97	0.12	0.75	0.10	<10	<2
AERHL225075	Stream	0.67	2.86	0.36	2.11	0.35	1.00	0.11	0.75	0.10	<10	<2
AERHL225076	Rock Pulp	0.63	1.93	0.21	1.31	0.22	0.58	0.08	0.52	0.07	38	26
AERHL225077	Stream	0.75	3.29	0.47	2.40	0.46	1.17	0.14	0.99	0.13	<10	<2
AERHL225078	Stream	0.79	3.56	0.47	2.64	0.46	1.17	0.17	0.96	0.12	<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
AERHL225079	Stream	0.93	712	3	12.4	4.9	13.8	6.6	11.9	86.5	2	130.1	0.9	10.4	3.7	132	1.1	258.4	24.4	30.8	60.8
AERHL225080	Stream	1.66	625	4	8.0	3.7	11.4	7.4	10.9	76.1	1	121.1	0.9	9.7	2.6	104	1.1	283.1	23.4	27.8	53.2
AERHL225081	Pulp DUP		702	6	10.7	4.9	13.7	8.6	12.5	90.1	1	115.9	1.0	12.5	4.3	138	1.8	319.4	24.7	33.7	64.1
AERHL225082	Stream	2.24	613	1	7.7	3.8	11.8	9.8	11.6	80.5	1	109.6	0.8	11.1	3.8	108	1.3	380.5	21.1	30.6	60.3
AERHL225083	Stream	1.79	660	<1	9.2	3.3	9.5	8.9	10.3	62.7	1	117.6	0.8	9.2	3.6	86	1.0	351.4	21.7	27.2	52.2
AERHL225084	Stream	2.71	683	<1	9.4	3.0	8.8	14.9	11.2	61.8	1	114.8	0.7	11.4	3.6	79	0.8	569.7	25.9	31.3	63.0
AERHL225085	Stream	2.33	738	3	7.8	3.6	11.0	11.8	11.7	77.3	1	125.9	0.9	11.5	3.4	96	1.0	462.8	21.4	31.8	62.9
AERHL225086	Rock Pulp	0.07	449	3	49.8	2.0	12.1	3.7	15.6	35.3	6	383.0	0.5	3.9	0.8	52	<0.5	141.5	10.6	29.1	53.2
AERHL225087	Stream	2.28	693	1	9.3	4.4	11.5	10.9	12.2	85.1	1	117.2	0.7	11.8	3.8	127	1.0	426.6	24.8	32.2	63.4
AERHL225088	Stream	2.43	770	<1	11.7	5.7	14.1	9.0	13.7	96.6	2	135.1	1.0	13.1	4.4	151	1.2	344.5	25.8	38.3	74.6
AERHL225089	Stream	2.43	758	4	14.9	5.0	12.7	4.9	10.0	89.5	11	153.3	0.8	10.8	6.4	148	1.3	181.5	26.1	31.1	63.8
AERHL225090	Stream	2.31	1050	3	11.5	4.5	10.7	6.0	11.0	75.0	1	137.9	0.8	11.5	8.5	136	1.1	225.0	30.5	32.6	62.1
AERHL225091	Stream	2.33	733	<1	8.5	4.0	10.5	10.5	11.9	74.6	1	114.2	0.9	11.0	3.6	110	2.0	411.8	25.8	30.4	58.7
AERHL225092	Stream	3.13	824	<1	12.3	3.6	11.1	8.1	10.6	77.4	1	135.2	0.7	12.5	6.0	109	1.1	333.2	32.8	32.8	65.2
AERHL225093	Stream	2.33	911	3	6.6	4.6	11.3	10.8	13.0	79.0	1	112.9	0.8	10.9	3.3	124	1.5	431.5	28.3	32.9	61.6
AERHL225094	Stream	2.53	694	<1	9.3	4.6	13.6	7.6	12.6	93.8	2	145.1	1.0	11.9	3.5	128	1.4	289.7	26.0	36.0	68.0
AERHL225095	Stream	1.98	632	3	7.2	4.2	10.4	10.2	11.8	74.7	1	110.3	0.8	9.6	4.1	102	1.3	424.8	24.1	29.1	55.8
AERHL225096	Stream	2.37	712	3	9.2	4.3	11.7	11.6	13.4	84.9	2	110.1	0.9	11.4	3.5	129	1.6	447.6	26.1	33.3	64.4
AERHL225097	Stream	2.38	797	<1	10.8	4.9	12.5	10.0	13.3	91.9	2	127.5	0.9	11.9	4.6	145	1.2	395.8	26.7	35.1	64.9
AERHL225098	Stream	2.73	683	1	11.0	6.0	17.5	6.6	13.0	118.1	2	154.7	1.1	13.8	3.2	150	1.1	250.2	25.4	40.6	77.3
AERHL225099	Stream	2.45	734	<1	67.2	5.3	13.2	8.2	12.8	87.8	2	127.8	0.8	11.8	4.9	134	1.5	317.2	31.0	35.1	67.5
AERHL225100	Stream	1.33	675	6	12.5	5.4	15.2	8.3	12.4	94.3	2	154.2	1.0	12.6	3.1	142	0.9	318.7	24.3	36.7	68.2
AERHL225101	Pulp DUP	<0.01	1056	<1	15.0	3.9	12.9	8.6	12.2	85.5	2	151.2	0.8	12.6	5.0	110	1.4	326.7	32.6	40.4	83.0
AERHL225102	Stream	2.49	740	<1	9.6	3.4	10.5	15.7	12.3	69.2	1	116.1	0.9	12.8	4.1	93	1.1	637.0	30.1	34.9	69.4
AERHL225103	Stream	2.69	713	4	9.0	3.2	9.8	20.9	12.6	62.5	1	105.1	0.9	15.4	4.5	84	0.9	849.1	30.9	39.1	76.0
AERHL225104	Stream	2.45	723	<1	9.5	4.1	10.9	17.5	12.6	73.6	1	117.2	0.8	13.5	4.2	108	1.1	708.4	31.3	36.3	68.7
AERHL225105	Stream	2.38	776	<1	15.0	5.5	14.9	10.0	12.8	101.3	2	133.7	0.9	13.5	5.6	166	1.1	402.4	28.8	37.9	69.3
AERHL225106	Stream	2.13	866	1	13.0	6.5	15.7	6.7	13.9	108.6	2	148.4	0.9	12.3	7.2	174	1.4	260.1	27.8	36.9	71.5
AERHL225107	Stream	1.72	842	<1	11.0	4.3	11.8	7.4	11.7	76.9	1	123.6	0.7	10.4	3.7	120	1.4	277.6	24.8	29.0	56.5
AERHL225108	Stream	2.82	1191	6	11.3	5.5	14.1	11.0	14.8	87.6	2	135.4	1.0	12.1	4.3	129	1.5	418.1	26.2	35.8	67.6



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		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
AERHL225079	Stream	7.25	28.1	5.01	1.11	4.82	0.72	4.13	0.90	2.78	0.39	2.70	0.42	0.7	22.8	10.3	99	28.4	7.9	0.4	0.2
AERHL225080	Stream	6.56	23.9	4.74	0.97	4.34	0.67	3.77	0.80	2.42	0.35	2.54	0.37	0.4	18.4	9.4	88	19.1	5.7	0.3	0.1
AERHL225081	Pulp DUP	7.80	28.2	5.44	0.98	4.61	0.75	4.40	0.90	2.84	0.38	2.65	0.42	1.2	23.8	12.4	117	23.6	8.0	0.7	0.2
AERHL225082	Stream	7.00	26.6	4.62	0.89	4.05	0.63	3.98	0.82	2.40	0.36	2.43	0.37	0.5	12.0	8.9	65	14.1	3.2	0.2	0.1
AERHL225083	Stream	6.26	23.5	4.14	0.85	4.10	0.60	3.64	0.74	2.21	0.32	2.21	0.35	1.0	13.6	8.6	68	17.7	6.3	0.3	0.2
AERHL225084	Stream	7.38	26.7	5.09	0.93	4.67	0.72	4.38	0.93	2.78	0.42	2.75	0.44	1.3	17.3	9.6	74	19.9	7.9	0.4	0.2
AERHL225085	Stream	7.39	27.7	5.10	0.86	4.07	0.62	3.97	0.83	2.46	0.35	2.52	0.39	0.3	9.7	9.1	70	12.0	7.1	0.3	<0.1
AERHL225086	Rock Pulp	6.17	22.6	3.53	0.87	2.62	0.34	2.09	0.37	1.05	0.15	0.99	0.15	12.9	158.6	293.4	223	82.3	10.4	0.5	0.2
AERHL225087	Stream	7.62	28.8	5.40	0.92	4.61	0.67	4.26	0.90	2.58	0.39	2.66	0.43	1.1	19.6	10.9	108	21.0	7.2	0.6	0.2
AERHL225088	Stream	8.61	32.2	5.98	1.23	5.57	0.80	4.49	0.99	2.86	0.41	2.77	0.42	1.3	24.9	12.8	123	24.8	8.7	0.7	0.2
AERHL225089	Stream	7.57	29.4	5.44	1.16	5.20	0.77	4.45	0.97	2.63	0.37	2.38	0.37	2.6	18.8	11.2	161	27.9	15.5	1.5	0.3
AERHL225090	Stream	7.84	31.9	6.36	1.20	5.69	0.86	5.15	1.06	3.00	0.41	2.73	0.42	6.8	39.4	12.0	174	30.9	18.2	1.7	0.6
AERHL225091	Stream	7.16	27.1	4.99	1.02	4.50	0.71	4.47	0.92	2.93	0.40	2.71	0.43	1.3	18.8	10.0	105	19.7	8.7	0.5	0.2
AERHL225092	Stream	8.34	32.7	6.83	1.42	6.46	0.95	5.51	1.13	3.28	0.47	2.94	0.44	1.4	16.6	10.4	112	20.9	9.8	0.7	0.3
AERHL225093	Stream	7.61	29.2	5.55	1.04	4.95	0.77	4.76	0.99	3.10	0.46	3.03	0.49	0.6	20.4	10.4	83	15.2	8.3	0.3	0.1
AERHL225094	Stream	8.07	31.4	6.02	1.13	4.99	0.76	4.66	0.94	2.91	0.39	2.70	0.43	0.8	23.1	12.5	89	25.9	5.3	0.2	0.1
AERHL225095	Stream	6.63	25.5	4.63	0.90	3.96	0.62	3.82	0.80	2.60	0.35	2.65	0.40	0.7	13.2	9.5	82	17.4	5.7	0.3	0.2
AERHL225096	Stream	7.77	29.2	5.45	0.99	4.90	0.75	4.36	0.97	2.93	0.43	3.00	0.45	0.8	18.5	10.9	98	19.9	7.9	0.4	0.1
AERHL225097	Stream	7.98	30.0	5.54	1.16	5.28	0.78	4.60	0.96	2.87	0.46	2.91	0.46	2.1	23.8	12.3	122	23.8	9.3	0.7	0.2
AERHL225098	Stream	9.15	33.1	6.25	1.20	5.15	0.78	4.62	0.93	2.81	0.39	2.60	0.40	0.2	21.1	13.5	115	27.1	5.9	0.1	<0.1
AERHL225099	Stream	8.20	31.7	5.92	1.18	5.61	0.84	5.12	1.08	3.38	0.47	3.14	0.49	1.8	22.5	11.8	292	94.7	9.3	1.4	0.1
AERHL225100	Stream	8.23	30.6	5.70	1.12	5.00	0.74	4.19	0.88	2.71	0.37	2.59	0.41	0.3	23.8	11.6	95	28.5	6.7	0.3	0.2
AERHL225101	Pulp DUP	9.54	35.6	6.63	1.31	6.11	0.95	5.49	1.13	3.26	0.47	3.05	0.48	1.8	15.0	14.4	112	23.9	15.9	0.4	0.3
AERHL225102	Stream	8.21	31.8	5.95	1.10	5.63	0.83	4.90	1.05	3.38	0.50	3.26	0.52	1.5	16.3	9.5	86	18.3	8.1	0.4	0.2
AERHL225103	Stream	9.27	34.5	6.21	1.06	5.71	0.86	5.16	1.14	3.52	0.53	3.77	0.58	1.5	15.0	9.5	83	17.4	8.0	0.4	0.2
AERHL225104	Stream	8.51	31.1	5.76	1.04	5.64	0.83	5.15	1.10	3.33	0.51	3.57	0.53	1.2	16.9	9.3	86	19.9	7.1	0.5	0.2
AERHL225105	Stream	8.51	33.1	5.98	1.17	5.46	0.79	4.93	1.00	3.09	0.42	3.06	0.46	3.9	30.1	12.8	170	34.4	12.7	1.1	0.3
AERHL225106	Stream	8.85	33.3	6.16	1.23	5.74	0.82	4.88	0.95	2.92	0.43	2.83	0.44	2.9	28.8	13.9	156	34.0	11.9	0.8	0.2
AERHL225107	Stream	6.78	25.9	4.83	0.92	4.51	0.69	4.34	0.93	2.66	0.39	2.69	0.40	1.0	19.6	11.7	91	24.2	9.5	0.4	0.2
AERHL225108	Stream	8.03	31.5	5.52	1.01	5.05	0.74	4.75	0.95	2.97	0.41	2.86	0.45	1.4	20.7	13.1	87	20.7	9.4	0.3	0.1



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CERTIFICATE OF ANALYSIS

VAN22003126.1

	Method	Analyte	Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	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	LF300	LF300	LF300
					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
AERHL225079	Stream																							
AERHL225080	Stream																							
AERHL225081	Pulp DUP																							
AERHL225082	Stream																							
AERHL225083	Stream																							
AERHL225084	Stream																							
AERHL225085	Stream																							
AERHL225086	Rock Pulp																							
AERHL225087	Stream																							
AERHL225088	Stream																							
AERHL225089	Stream																							
AERHL225090	Stream																							
AERHL225091	Stream																							
AERHL225092	Stream																							
AERHL225093	Stream																							
AERHL225094	Stream																							
AERHL225095	Stream																							
AERHL225096	Stream																							
AERHL225097	Stream																							
AERHL225098	Stream																							
AERHL225099	Stream																							
AERHL225100	Stream																							
AERHL225101	Pulp DUP																							
AERHL225102	Stream																							
AERHL225103	Stream																							
AERHL225104	Stream																							
AERHL225105	Stream																							
AERHL225106	Stream																							
AERHL225107	Stream																							
AERHL225108	Stream																							



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Method	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
MDL	5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERHL225079	Stream	269	26	18	11	12.8	99.91	0.83	21.03	11.77	96.3	187	25.9	11.3	821	2.19	8.2	1.6	1.5	54.3
AERHL225080	Stream	307	24	15	9	11.5	99.92	0.44	17.88	10.85	90.0	206	18.8	7.7	234	1.87	6.2	1.1	2.1	46.0
AERHL225081	Pulp DUP	344	28	19	11	14.1	99.90	1.31	23.82	14.26	117.1	319	23.3	11.2	229	2.14	8.4	2.2	1.6	47.1
AERHL225082	Stream	420	24	16	10	13.2	99.93	0.51	11.74	10.28	64.9	115	13.3	7.0	242	1.68	3.6	1.6	1.4	28.4
AERHL225083	Stream	384	23	16	8	11.9	99.92	1.05	13.00	9.85	63.7	125	17.3	8.8	421	1.71	6.8	1.8	0.8	38.1
AERHL225084	Stream	649	27	16	9	10.4	99.89	1.32	15.94	10.84	71.6	148	19.3	7.8	347	1.93	8.6	1.5	1.6	38.2
AERHL225085	Stream	530	24	17	9	11.6	99.93	0.31	9.21	8.96	69.8	178	12.3	5.9	640	2.47	7.0	1.1	1.0	41.6
AERHL225086	Rock Pulp	159	11	20	9	1.6	99.87	12.16	145.26	276.07	203.6	115	76.6	49.0	279	1.60	10.0	0.5	39.0	34.3
AERHL225087	Stream	447	26	20	10	11.5	99.91	1.25	19.59	11.91	106.4	282	20.2	9.3	302	1.94	7.6	1.8	1.9	43.5
AERHL225088	Stream	362	27	17	11	14.1	99.90	1.32	24.96	14.16	117.6	315	22.7	10.7	229	2.14	8.6	2.2	1.5	46.9
AERHL225089	Stream	247	24	16	11	18.2	99.88	2.78	18.55	12.67	152.1	260	26.8	14.1	3835	3.04	15.9	4.1	2.3	81.9
AERHL225090	Stream	289	28	12	10	19.5	99.87	6.36	40.71	12.60	171.5	435	28.5	10.8	231	2.39	16.5	4.8	3.6	68.9
AERHL225091	Stream	452	28	17	9	8.7	99.92	1.44	19.70	11.69	104.6	265	21.1	9.1	284	2.09	9.6	1.8	1.7	44.6
AERHL225092	Stream	348	34	16	10	16.0	99.88	1.52	17.22	12.05	113.1	248	21.7	12.2	851	2.41	10.2	3.7	1.5	55.1
AERHL225093	Stream	494	31	19	11	9.0	99.91	0.66	19.62	11.94	80.3	325	15.6	6.3	163	2.07	8.7	1.2	1.9	51.1
AERHL225094	Stream	316	28	14	11	8.4	99.92	0.87	23.41	13.83	87.2	201	25.4	9.2	266	2.19	5.6	1.8	1.8	62.1
AERHL225095	Stream	484	26	20	9	15.6	99.93	0.71	13.14	10.88	81.7	141	17.5	7.7	271	2.15	6.2	2.2	0.5	43.5
AERHL225096	Stream	496	28	18	10	9.6	99.93	0.91	17.77	12.10	97.5	191	19.3	8.5	250	2.14	8.2	1.4	1.4	41.7
AERHL225097	Stream	426	27	18	11	11.1	99.90	2.27	22.67	13.57	116.2	320	22.2	10.0	402	2.17	9.5	2.3	2.3	48.0
AERHL225098	Stream	272	26	18	13	9.0	99.90	0.19	20.24	14.87	106.8	176	25.5	10.2	215	2.44	6.1	0.9	1.5	52.3
AERHL225099	Stream	342	31	20	11	11.6	99.87	2.19	23.49	13.97	293.6	226	91.1	67.2	1816	2.85	9.8	3.2	1.6	58.2
AERHL225100	Stream	333	25	16	12	12.7	99.91	0.31	22.62	12.69	94.8	147	27.4	11.9	430	2.50	7.1	0.9	1.0	65.5
AERHL225101	Pulp DUP	340	32	14	11	12.7	99.89	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AERHL225102	Stream	706	28	19	9	11.5	99.90	1.74	17.49	11.54	88.5	204	19.6	8.8	328	2.22	8.7	1.7	1.1	37.4
AERHL225103	Stream	905	32	20	9	12.1	99.90	1.89	17.90	12.63	89.7	196	20.2	9.6	415	2.47	9.7	1.9	1.6	37.9
AERHL225104	Stream	687	29	19	10	11.6	99.90	1.30	17.61	11.08	86.0	189	20.1	9.1	322	2.09	7.8	1.8	3.6	37.6
AERHL225105	Stream	393	28	16	12	12.4	99.88	4.40	31.43	14.69	172.8	412	35.2	15.3	360	2.66	13.4	3.4	1.7	54.5
AERHL225106	Stream	296	29	16	13	13.5	99.88	3.25	28.26	15.06	154.5	310	30.9	12.0	340	2.61	11.8	5.0	2.1	67.0
AERHL225107	Stream	308	24	17	10	8.5	99.92	1.28	20.93	13.74	91.2	191	25.4	10.3	426	2.21	10.4	1.8	1.1	47.5
AERHL225108	Stream	423	27	20	11	10.2	99.91	1.73	22.98	15.07	86.6	170	21.2	11.3	368	2.49	10.0	2.1	1.2	60.0



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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
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
AERHL225079	Stream	0.47	0.33	0.20	37	1.00	0.105	16.7	21.0	0.55	272.7	0.006	13	1.13	0.097	0.20	<0.1	4.2	0.18	0.14	56
AERHL225080	Stream	0.35	0.24	0.17	31	1.37	0.085	14.2	17.8	0.47	208.2	0.004	11	0.97	0.010	0.15	<0.1	3.6	0.17	0.14	69
AERHL225081	Pulp DUP	0.72	0.33	0.21	47	1.15	0.073	18.7	22.4	0.57	268.6	0.004	11	1.21	0.013	0.18	<0.1	4.6	0.22	0.13	71
AERHL225082	Stream	0.28	0.17	0.15	31	0.71	0.075	16.0	18.6	0.37	198.5	0.004	7	1.07	0.006	0.13	<0.1	3.1	0.17	0.11	52
AERHL225083	Stream	0.38	0.27	0.14	27	2.10	0.061	14.6	14.4	0.94	252.6	0.005	8	0.80	0.007	0.12	<0.1	2.8	0.17	0.15	44
AERHL225084	Stream	0.51	0.29	0.16	27	3.02	0.067	16.5	15.1	1.42	243.1	0.007	8	0.79	0.007	0.14	<0.1	2.9	0.18	0.24	53
AERHL225085	Stream	0.23	0.20	0.12	34	0.82	0.192	16.6	18.9	0.37	289.8	0.004	7	1.08	0.007	0.12	<0.1	3.0	0.15	0.09	49
AERHL225086	Rock Pulp	0.53	0.19	0.15	26	0.61	0.052	26.0	31.6	0.49	65.8	0.076	1	0.86	0.111	0.13	<0.1	3.4	0.08	0.04	15
AERHL225087	Stream	0.67	0.25	0.19	42	1.11	0.072	18.7	20.3	0.60	267.7	0.004	11	1.11	0.012	0.16	<0.1	3.8	0.20	0.13	58
AERHL225088	Stream	0.75	0.29	0.21	47	1.16	0.073	19.6	23.4	0.58	276.1	0.004	12	1.24	0.013	0.18	<0.1	4.6	0.21	0.13	64
AERHL225089	Stream	1.59	0.39	0.19	52	3.50	0.125	18.1	25.4	1.27	347.2	0.005	17	1.38	0.025	0.25	<0.1	4.7	0.33	0.22	87
AERHL225090	Stream	1.68	1.02	0.19	42	3.25	0.102	15.8	15.6	1.52	378.3	0.004	15	0.79	0.022	0.17	<0.1	4.0	0.32	0.36	86
AERHL225091	Stream	0.58	0.29	0.17	33	1.12	0.090	17.9	17.2	0.54	294.7	0.005	10	0.89	0.010	0.15	<0.1	3.6	0.20	0.11	59
AERHL225092	Stream	0.76	0.40	0.16	41	3.00	0.109	20.5	19.2	1.67	316.4	0.007	12	1.04	0.017	0.17	<0.1	3.9	0.18	0.17	120
AERHL225093	Stream	0.39	0.18	0.18	30	0.51	0.106	18.5	17.2	0.26	397.1	0.003	8	0.95	0.032	0.16	<0.1	4.0	0.20	0.18	81
AERHL225094	Stream	0.25	0.24	0.22	43	1.02	0.079	22.0	27.2	0.60	254.5	0.008	19	1.57	0.028	0.27	<0.1	4.8	0.22	0.04	55
AERHL225095	Stream	0.37	0.24	0.16	31	0.92	0.088	16.3	17.7	0.32	241.7	0.004	10	1.01	0.008	0.12	<0.1	3.4	0.16	0.11	42
AERHL225096	Stream	0.42	0.23	0.18	33	0.70	0.079	17.5	17.8	0.36	247.8	0.004	10	1.01	0.008	0.15	<0.1	3.6	0.19	0.11	60
AERHL225097	Stream	0.72	0.34	0.21	40	1.01	0.074	18.2	19.2	0.52	297.7	0.004	10	1.08	0.008	0.16	<0.1	4.3	0.22	0.14	80
AERHL225098	Stream	0.10	0.18	0.23	48	0.48	0.112	22.4	33.1	0.54	202.9	0.008	12	1.89	0.019	0.32	<0.1	6.1	0.21	0.04	46
AERHL225099	Stream	1.64	0.29	0.23	38	0.95	0.081	21.0	20.1	0.55	283.8	0.003	9	1.38	0.016	0.18	<0.1	4.5	0.23	0.06	80
AERHL225100	Stream	0.36	0.27	0.20	39	1.91	0.101	16.7	26.6	0.76	190.4	0.008	9	1.37	0.049	0.24	<0.1	4.7	0.18	0.25	54
AERHL225101	Pulp DUP	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AERHL225102	Stream	0.54	0.32	0.16	31	2.49	0.068	19.2	17.6	1.42	287.5	0.007	11	0.89	0.007	0.14	<0.1	3.4	0.19	0.17	41
AERHL225103	Stream	0.49	0.30	0.17	32	2.57	0.075	22.2	18.3	1.60	308.1	0.008	10	0.90	0.008	0.15	<0.1	3.5	0.19	0.14	40
AERHL225104	Stream	0.51	0.24	0.16	35	1.92	0.075	21.2	18.6	1.11	260.4	0.006	10	1.01	0.008	0.16	<0.1	3.6	0.19	0.10	50
AERHL225105	Stream	1.25	0.56	0.23	55	2.00	0.088	21.4	25.9	1.06	302.6	0.006	11	1.41	0.015	0.24	<0.1	5.3	0.33	0.19	77
AERHL225106	Stream	0.85	0.39	0.24	50	0.98	0.098	19.9	24.8	0.54	337.3	0.004	16	1.37	0.026	0.25	<0.1	5.0	0.27	0.22	65
AERHL225107	Stream	0.51	0.41	0.19	27	1.35	0.066	16.8	17.8	0.66	302.8	0.006	8	0.88	0.017	0.15	<0.1	4.0	0.20	0.41	74
AERHL225108	Stream	0.32	0.24	0.24	26	0.63	0.066	19.2	15.9	0.34	460.1	0.002	9	0.99	0.031	0.17	<0.1	3.9	0.18	0.31	51



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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
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERHL225079	Stream	0.8	0.05	3.7	1.22	<0.1	0.10	0.41	17.9	0.6	<0.05	6.1	12.22	35.4	0.02	4	0.8	19.2	4.72	17.95	3.85
AERHL225080	Stream	0.6	0.03	3.5	0.99	<0.1	0.11	0.40	15.0	0.5	<0.05	4.7	10.47	30.2	0.03	2	0.5	16.7	3.96	15.63	3.27
AERHL225081	Pulp DUP	1.3	0.06	4.3	1.14	<0.1	0.13	0.52	19.2	0.7	<0.05	7.0	13.14	40.0	0.03	4	1.0	17.5	5.20	19.85	4.08
AERHL225082	Stream	0.5	0.04	3.8	1.00	<0.1	0.08	0.44	17.3	0.5	<0.05	3.6	8.37	33.4	<0.02	1	0.5	14.2	4.15	15.50	2.97
AERHL225083	Stream	0.6	0.05	2.9	0.84	<0.1	0.08	0.36	12.4	0.4	<0.05	4.0	9.53	30.2	<0.02	3	0.6	11.2	3.71	14.55	2.95
AERHL225084	Stream	0.6	0.04	2.7	1.09	<0.1	0.11	0.24	12.9	0.4	<0.05	5.9	10.07	32.8	0.02	3	0.6	11.6	4.33	16.23	3.30
AERHL225085	Stream	0.4	0.03	3.4	0.95	<0.1	0.06	0.36	16.1	0.6	<0.05	2.3	8.04	34.1	0.02	1	0.5	19.5	4.21	15.02	3.03
AERHL225086	Rock Pulp	<0.1	<0.02	3.0	1.21	<0.1	0.16	0.44	7.2	2.5	<0.05	5.7	5.58	44.2	0.03	<1	0.1	9.5	5.42	18.13	2.74
AERHL225087	Stream	0.8	0.05	3.9	1.10	<0.1	0.10	0.44	17.5	0.6	<0.05	5.4	11.10	36.9	0.04	2	0.6	15.1	4.82	17.83	3.57
AERHL225088	Stream	1.1	0.05	4.3	1.07	<0.1	0.15	0.54	19.1	0.6	<0.05	7.1	13.30	40.4	0.03	3	0.7	16.6	5.20	19.58	4.30
AERHL225089	Stream	1.4	0.05	4.8	1.10	<0.1	0.07	0.40	21.8	0.7	<0.05	4.1	14.79	37.0	0.03	8	1.0	21.6	4.91	19.08	4.01
AERHL225090	Stream	3.3	0.09	2.8	0.98	<0.1	0.09	0.33	16.0	0.5	<0.05	4.6	17.95	34.3	0.03	9	0.7	10.1	4.18	17.83	3.97
AERHL225091	Stream	1.1	0.05	3.3	1.10	<0.1	0.11	0.35	16.4	0.5	<0.05	4.8	12.89	37.4	0.02	3	0.7	12.9	4.77	19.15	3.92
AERHL225092	Stream	1.2	0.06	3.7	0.97	<0.1	0.07	0.43	16.0	0.5	<0.05	4.3	19.15	42.1	0.03	3	0.9	14.9	5.54	22.78	5.08
AERHL225093	Stream	0.9	0.06	3.3	1.05	<0.1	0.14	0.28	16.2	0.6	<0.05	7.2	15.24	36.8	0.03	1	1.0	10.7	4.83	18.39	4.02
AERHL225094	Stream	0.4	0.05	5.3	1.46	<0.1	0.20	0.35	24.5	0.7	<0.05	10.7	13.86	44.3	0.03	3	0.9	26.6	5.78	21.43	4.29
AERHL225095	Stream	1.0	0.04	3.4	0.87	<0.1	0.10	0.44	16.4	0.5	<0.05	5.4	10.11	32.9	0.02	3	0.8	12.8	4.22	15.36	3.28
AERHL225096	Stream	0.8	0.05	3.6	1.18	<0.1	0.11	0.34	17.3	0.5	<0.05	6.1	11.85	34.5	0.03	2	0.9	13.3	4.70	18.19	3.81
AERHL225097	Stream	1.3	0.08	3.8	1.18	<0.1	0.10	0.38	18.5	0.6	<0.05	5.2	12.77	36.0	0.03	4	0.8	14.5	4.68	19.01	3.66
AERHL225098	Stream	0.4	0.04	5.8	1.38	<0.1	0.20	0.39	27.6	0.7	<0.05	11.2	12.61	45.7	0.03	2	1.0	28.5	5.72	21.32	4.35
AERHL225099	Stream	1.2	0.06	4.0	1.27	<0.1	0.06	0.22	18.9	0.7	<0.05	3.2	18.02	42.8	0.03	2	2.1	22.7	5.53	22.35	4.22
AERHL225100	Stream	0.4	0.04	4.2	1.29	<0.1	0.14	0.46	19.4	0.5	<0.05	6.9	11.80	33.8	0.04	2	0.6	21.1	4.40	16.94	3.50
AERHL225101	Pulp DUP	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
AERHL225102	Stream	0.8	0.04	3.2	1.05	<0.1	0.09	0.40	14.3	0.5	<0.05	5.2	11.82	37.2	0.02	2	0.6	12.9	5.03	18.83	3.82
AERHL225103	Stream	0.8	0.04	3.2	1.16	<0.1	0.11	0.37	15.1	0.5	<0.05	5.7	13.30	44.9	0.02	2	0.6	12.2	5.75	21.60	4.36
AERHL225104	Stream	0.7	0.03	3.4	1.03	<0.1	0.10	0.42	15.4	0.5	<0.05	5.8	11.91	41.2	0.03	2	0.7	13.8	5.36	21.08	4.37
AERHL225105	Stream	2.1	0.10	4.8	1.39	<0.1	0.13	0.42	24.4	0.7	<0.05	7.3	15.03	41.8	0.03	7	0.9	21.5	5.37	21.36	4.61
AERHL225106	Stream	1.4	0.07	4.3	1.34	<0.1	0.15	0.47	21.9	0.6	<0.05	7.2	15.43	39.5	0.04	9	0.8	21.6	5.34	20.50	4.08
AERHL225107	Stream	1.1	0.06	3.3	1.56	<0.1	0.19	0.20	15.4	0.6	<0.05	9.0	12.48	33.5	0.03	4	0.5	15.4	4.40	17.32	3.53
AERHL225108	Stream	1.0	0.07	3.4	1.49	<0.1	0.12	0.18	17.6	0.7	<0.05	7.1	13.37	37.8	0.03	3	0.7	11.4	4.94	18.14	3.88



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		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERHL225079	Stream	0.76	3.50	0.48	2.72	0.46	1.21	0.16	1.04	0.11	<10	<2
AERHL225080	Stream	0.69	2.92	0.40	2.22	0.37	1.03	0.13	0.85	0.11	<10	<2
AERHL225081	Pulp DUP	0.84	3.63	0.49	2.73	0.48	1.35	0.18	0.98	0.13	<10	<2
AERHL225082	Stream	0.54	2.58	0.32	1.87	0.34	0.85	0.10	0.71	0.10	<10	<2
AERHL225083	Stream	0.60	2.62	0.36	2.03	0.35	0.98	0.11	0.77	0.09	<10	<2
AERHL225084	Stream	0.62	2.85	0.38	2.02	0.37	1.01	0.14	0.74	0.11	<10	<2
AERHL225085	Stream	0.51	2.42	0.32	1.71	0.30	0.90	0.09	0.61	0.08	<10	<2
AERHL225086	Rock Pulp	0.61	1.85	0.21	1.17	0.21	0.59	0.07	0.52	0.07	42	27
AERHL225087	Stream	0.73	3.30	0.46	2.47	0.39	1.13	0.14	0.79	0.12	<10	<2
AERHL225088	Stream	0.82	3.47	0.52	2.98	0.49	1.29	0.16	0.98	0.13	<10	<2
AERHL225089	Stream	0.83	3.80	0.55	3.24	0.56	1.41	0.18	1.14	0.13	<10	<2
AERHL225090	Stream	0.85	4.02	0.57	3.16	0.57	1.49	0.18	1.08	0.15	<10	<2
AERHL225091	Stream	0.78	3.49	0.48	2.85	0.45	1.21	0.16	1.00	0.14	<10	<2
AERHL225092	Stream	1.09	4.96	0.71	3.91	0.70	1.77	0.21	1.20	0.16	<10	<2
AERHL225093	Stream	0.81	3.97	0.52	3.01	0.52	1.47	0.20	1.24	0.16	<10	<2
AERHL225094	Stream	0.88	4.01	0.50	2.92	0.49	1.33	0.16	1.12	0.15	<10	<2
AERHL225095	Stream	0.64	3.09	0.37	2.03	0.38	0.98	0.13	0.82	0.10	<10	<2
AERHL225096	Stream	0.74	3.02	0.44	2.58	0.43	1.04	0.14	0.95	0.13	<10	<2
AERHL225097	Stream	0.78	3.52	0.51	2.77	0.44	1.21	0.16	0.97	0.14	<10	<2
AERHL225098	Stream	0.87	3.68	0.50	2.94	0.47	1.23	0.14	0.96	0.12	<10	<2
AERHL225099	Stream	0.90	4.25	0.61	3.31	0.61	1.69	0.23	1.33	0.19	<10	<2
AERHL225100	Stream	0.76	3.38	0.44	2.40	0.41	1.14	0.13	0.96	0.12	<10	<2
AERHL225101	Pulp DUP	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AERHL225102	Stream	0.66	3.39	0.46	2.48	0.42	1.08	0.16	0.93	0.12	<10	<2
AERHL225103	Stream	0.83	3.69	0.52	2.77	0.45	1.19	0.17	1.03	0.13	<10	<2
AERHL225104	Stream	0.75	3.39	0.47	2.68	0.43	1.22	0.18	0.91	0.13	<10	<2
AERHL225105	Stream	0.91	3.90	0.56	3.12	0.53	1.39	0.20	1.16	0.14	<10	<2
AERHL225106	Stream	0.93	4.21	0.57	3.15	0.58	1.48	0.19	1.17	0.15	<10	<2
AERHL225107	Stream	0.78	3.18	0.47	2.65	0.47	1.29	0.16	1.02	0.15	<10	<2
AERHL225108	Stream	0.69	3.51	0.47	2.93	0.45	1.29	0.17	1.06	0.13	<10	<2



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		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
AERHL225109	Stream	1.94	623	1	8.2	4.6	12.1	8.8	11.5	85.5	1	111.9	0.9	10.1	5.0	116	1.3	334.6	22.2	30.6	56.7
AERHL225110	Stream	2.71	949	1	11.5	4.4	12.4	9.0	12.5	83.0	1	126.2	1.0	11.6	3.4	117	1.2	347.5	25.4	31.6	60.8
AERHL225111	Stream	2.71	1012	3	13.8	4.3	12.8	8.4	12.0	85.4	1	144.2	0.8	12.4	4.5	124	1.3	336.4	30.9	38.6	77.4
AERHL225112	Rock Pulp	0.07	452	2	47.1	2.0	13.4	3.8	16.0	36.8	6	371.9	0.4	3.8	0.7	64	0.6	155.9	11.0	29.9	54.1
AERHL225113	Stream	1.92	715	6	7.4	5.3	13.2	8.6	12.9	98.0	1	123.8	0.9	10.3	4.0	145	1.0	326.8	23.9	32.6	62.7
AERHL225114	Stream	1.61	727	3	8.2	4.1	11.9	9.9	11.7	78.6	2	125.4	0.9	9.6	2.8	113	1.3	386.6	22.8	29.6	57.6
AERHL225115	Stream	1.28	776	<1	9.6	5.0	11.6	7.7	11.8	79.2	1	117.8	0.8	9.9	3.4	127	1.2	302.4	23.5	31.4	60.3
AERHL225116	Stream	1.27	529	2	7.3	2.9	9.2	7.5	9.7	60.8	<1	129.7	0.8	8.0	3.6	84	0.8	305.2	18.6	25.4	48.6
AERHL225117	Stream	1.27	835	<1	9.4	3.8	12.0	17.8	14.3	73.3	2	117.3	1.0	12.5	5.0	111	1.7	712.7	30.9	36.1	72.2
AERHL225118	Stream	1.61	1681	4	13.9	5.3	13.2	10.1	13.1	79.2	2	138.7	1.0	12.0	4.3	110	1.2	409.8	27.6	35.0	70.2
AERHL225122	Stream	0.58	554	<1	6.8	3.4	9.3	5.7	9.6	65.7	<1	132.0	0.7	7.0	2.9	84	1.1	236.8	17.6	22.9	45.6
AERHL225123	Stream	1.19	696	2	30.2	4.4	12.2	6.3	11.2	79.6	1	146.2	0.7	11.6	5.1	106	1.3	247.8	26.2	33.5	70.1
AERHL225124	Stream	0.90	430	2	13.5	2.7	7.0	5.9	7.3	53.9	<1	211.1	0.5	6.6	4.2	70	0.8	222.0	20.0	23.5	46.5
AERHL225125	Stream	1.00	554	3	7.1	3.0	10.4	7.2	9.7	65.2	1	174.7	0.6	8.2	3.0	82	0.8	285.9	20.6	27.2	52.4
AERHL225126	Stream	1.54	605	<1	7.9	3.8	11.8	9.8	12.6	78.3	1	137.7	0.7	10.5	2.8	102	0.9	396.7	24.2	34.7	66.9
AERHL225127	Stream	1.36	670	3	8.6	4.9	14.6	7.8	12.8	97.1	2	145.0	0.7	11.9	2.9	130	1.0	305.0	21.9	34.9	68.7
AERHL225128	Stream	1.37	679	<1	9.4	4.2	12.3	6.9	11.0	82.4	1	175.0	0.7	9.4	2.9	114	1.1	270.3	21.5	30.2	58.3
AERHL225131	Stream	1.11	546	2	6.7	3.2	10.9	7.2	9.7	70.7	1	136.7	0.7	7.9	2.9	86	0.7	287.8	20.0	27.8	52.4
AERHL225132	Stream	1.48	582	<1	8.5	2.9	9.4	15.1	11.7	55.5	1	154.4	0.8	11.5	4.6	91	1.0	603.3	27.5	37.6	71.6
AERHL225133	Stream	2.07	652	5	6.8	2.2	8.6	14.4	10.5	53.9	1	142.6	0.7	9.2	3.2	80	1.0	589.7	24.5	33.9	65.2
AERHL225137	Rock Pulp	0.07	457	3	47.4	2.2	12.6	3.9	16.6	37.5	13	386.5	0.4	4.0	0.7	55	<0.5	159.9	11.9	29.8	53.9



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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
		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd
		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
AERHL225109	Stream	6.82	25.7	4.88	0.87	4.06	0.64	3.83	0.87	2.55	0.37	2.53	0.42	0.5	13.4	9.7	78	15.6	5.2	0.4
AERHL225110	Stream	7.48	28.4	5.46	0.95	4.77	0.73	4.30	0.94	2.89	0.39	2.71	0.45	1.0	14.3	11.3	98	19.3	10.3	0.4
AERHL225111	Stream	9.32	33.3	6.29	1.36	5.80	0.89	5.23	1.03	3.05	0.44	2.78	0.47	1.7	15.0	13.8	116	22.4	16.0	0.4
AERHL225112	Rock Pulp	6.42	23.6	3.67	0.94	2.67	0.36	1.94	0.40	1.04	0.15	0.97	0.16	11.9	149.5	260.0	207	76.9	8.9	0.5
AERHL225113	Stream	7.48	27.5	5.32	0.99	4.68	0.69	3.85	0.82	2.60	0.35	2.45	0.39	1.5	17.1	11.5	103	16.5	7.1	0.5
AERHL225114	Stream	6.81	25.8	4.78	0.94	4.22	0.65	4.09	0.83	2.47	0.37	2.54	0.39	0.6	19.9	11.4	92	20.3	7.2	0.3
AERHL225115	Stream	7.02	26.2	4.93	0.93	4.53	0.70	4.24	0.88	2.56	0.37	2.47	0.39	2.0	26.7	12.1	110	30.0	10.5	0.4
AERHL225116	Stream	5.76	21.3	3.89	0.74	3.42	0.51	3.09	0.64	1.96	0.28	1.98	0.29	0.5	13.3	7.5	89	18.7	5.8	0.4
AERHL225117	Stream	8.55	32.1	5.58	1.12	5.51	0.85	5.58	1.16	3.44	0.51	3.57	0.52	2.1	19.0	12.3	104	23.7	10.3	0.4
AERHL225118	Stream	8.25	31.3	6.05	1.09	5.36	0.80	4.96	0.93	3.14	0.43	2.69	0.40	1.9	19.6	16.1	120	24.9	12.7	0.4
AERHL225122	Stream	5.27	19.7	3.59	0.70	3.42	0.48	2.95	0.63	1.92	0.26	1.93	0.29	0.4	13.5	7.5	80	12.9	4.5	0.3
AERHL225123	Stream	8.46	33.3	6.18	1.35	5.53	0.82	4.79	0.94	2.69	0.38	2.59	0.39	0.7	29.5	10.1	202	41.7	6.5	0.8
AERHL225124	Stream	5.38	19.9	3.97	0.82	3.70	0.55	3.34	0.68	2.05	0.28	1.87	0.28	0.6	14.1	6.9	233	28.8	4.1	1.6
AERHL225125	Stream	6.18	22.6	4.22	0.86	3.74	0.60	3.63	0.71	2.13	0.31	2.01	0.32	0.4	12.2	6.9	76	14.5	3.4	0.4
AERHL225126	Stream	7.77	28.1	5.16	1.00	4.46	0.66	4.00	0.83	2.57	0.36	2.53	0.38	0.2	15.2	9.1	77	18.4	3.9	0.2
AERHL225127	Stream	7.97	29.2	5.35	1.04	4.33	0.66	4.21	0.81	2.49	0.33	2.42	0.37	0.2	18.5	11.6	98	20.7	4.0	0.3
AERHL225128	Stream	6.87	25.8	4.52	0.94	4.18	0.60	3.70	0.78	2.33	0.31	2.15	0.33	0.4	20.1	9.4	90	21.6	6.3	0.3
AERHL225131	Stream	6.06	21.9	4.16	0.82	3.66	0.57	3.43	0.69	2.10	0.30	2.02	0.31	0.4	14.4	7.8	78	15.6	3.8	0.3
AERHL225132	Stream	8.60	31.3	5.82	1.12	5.27	0.80	4.62	0.96	3.11	0.43	3.12	0.49	0.6	12.6	7.6	62	20.1	6.1	0.2
AERHL225133	Stream	7.70	27.7	5.28	0.95	4.58	0.72	4.23	0.88	2.62	0.39	2.69	0.42	0.5	9.8	6.0	60	15.6	3.5	0.3
AERHL225137	Rock Pulp	6.40	23.7	3.79	0.96	2.78	0.38	2.17	0.40	1.12	0.15	1.09	0.16	12.2	154.1	266.6	210	80.0	9.4	0.5



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		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
AERHL225109	Stream	0.2	0.1	0.9	0.05	0.1	0.7	64.02	10.86	3.43	1.02	1.27	0.63	1.85	0.63	0.16	0.05	0.010	632	<20	113
AERHL225110	Stream	0.2	0.1	1.0	0.04	0.1	0.9	65.11	10.53	5.40	1.55	2.04	0.67	1.85	0.64	0.27	0.06	0.010	969	<20	124
AERHL225111	Stream	0.2	0.1	1.0	0.04	0.1	1.0	60.47	11.33	7.64	2.15	3.18	0.83	2.09	0.60	0.49	0.09	0.010	1134	22	160
AERHL225112	Rock Pulp	0.1	0.1	33.1	0.01	<0.1	<0.5	71.67	12.16	4.06	1.74	3.33	3.42	1.48	0.39	0.14	0.07	0.014	473	80	401
AERHL225113	Stream	0.2	0.3	1.7	0.07	0.2	0.8	62.20	11.19	4.28	1.77	2.62	0.60	1.98	0.62	0.23	0.05	0.011	774	<20	134
AERHL225114	Stream	0.2	0.2	0.9	0.06	0.1	0.9	65.12	10.49	4.33	1.26	2.45	0.62	1.94	0.62	0.25	0.07	0.010	786	20	135
AERHL225115	Stream	0.2	0.2	2.2	0.08	0.2	1.3	61.43	10.65	4.74	1.70	2.50	0.54	2.11	0.60	0.25	0.05	0.011	846	32	126
AERHL225116	Stream	0.1	0.2	1.0	0.05	0.1	0.8	60.40	8.71	4.87	1.00	1.99	0.81	1.56	0.51	0.23	0.04	0.008	573	21	141
AERHL225117	Stream	0.2	0.2	1.1	0.06	0.2	1.0	70.11	10.08	4.62	1.22	1.30	0.71	1.90	0.77	0.23	0.05	0.012	860	<20	121
AERHL225118	Stream	0.2	0.2	1.1	0.04	0.1	1.1	62.73	11.25	9.13	1.32	1.13	0.52	1.85	0.65	0.26	0.15	0.011	1744	25	142
AERHL225122	Stream	0.1	0.1	1.2	0.04	0.1	0.8	63.61	8.50	3.53	1.01	3.92	0.68	1.75	0.51	0.18	0.05	0.008	584	<20	134
AERHL225123	Stream	0.2	0.2	0.9	0.05	0.2	0.7	60.72	10.71	5.47	0.99	2.59	0.66	1.81	0.56	0.24	0.07	0.010	711	39	150
AERHL225124	Stream	<0.1	0.1	1.0	0.04	<0.1	0.8	47.51	7.52	4.10	1.35	7.97	0.77	1.34	0.41	0.16	0.09	0.007	472	26	230
AERHL225125	Stream	0.1	0.1	1.0	0.04	0.1	0.5	60.67	9.09	3.33	1.34	6.15	0.86	1.66	0.53	0.22	0.05	0.008	600	<20	186
AERHL225126	Stream	0.1	0.1	0.9	0.04	0.1	<0.5	67.09	10.49	3.87	1.39	2.71	0.85	1.95	0.63	0.23	0.04	0.011	628	<20	151
AERHL225127	Stream	0.2	0.2	1.0	0.04	0.1	0.5	62.23	12.65	4.01	1.52	1.56	0.81	2.24	0.67	0.35	0.05	0.012	682	<20	146
AERHL225128	Stream	0.2	0.1	<0.5	0.04	0.1	0.5	60.09	11.07	4.85	1.58	3.50	0.80	2.09	0.59	0.28	0.06	0.010	702	22	173
AERHL225131	Stream	0.1	0.1	1.2	0.05	0.1	0.6	64.32	9.29	3.05	1.12	1.94	0.84	1.67	0.53	0.20	0.04	0.008	571	<20	139
AERHL225132	Stream	<0.1	0.3	1.2	0.02	<0.1	0.6	70.26	9.07	3.76	1.50	3.01	1.07	1.54	0.69	0.20	0.04	0.011	622	<20	162
AERHL225133	Stream	<0.1	<0.1	1.0	0.03	<0.1	<0.5	70.79	8.32	3.12	1.66	3.41	1.02	1.58	0.60	0.22	0.04	0.009	667	<20	145
AERHL225137	Rock Pulp	0.1	0.1	34.9	0.01	<0.1	<0.5	71.91	12.21	4.07	1.73	3.31	3.39	1.43	0.39	0.12	0.07	0.015	476	83	398



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Method	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
Analyte	Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
MDL	5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERHL225109	Stream	355	23	16	10	15.9	99.93	0.69	13.75	11.69	83.2	151	16.1	8.2	361	1.73	5.4	3.1	1.6	5.7
AERHL225110	Stream	406	26	15	10	11.6	99.92	1.19	14.83	12.79	99.1	153	19.4	11.2	427	2.95	10.5	1.7	1.0	6.5
AERHL225111	Stream	328	33	18	11	10.8	99.89	1.66	14.71	13.49	107.1	127	21.3	12.0	545	3.74	15.1	2.4	1.7	7.1
AERHL225112	Rock Pulp	166	11	20	9	1.3	99.87	11.92	153.52	260.97	204.7	101	78.7	48.6	290	1.66	9.1	0.4	35.2	3.0
AERHL225113	Stream	336	24	16	11	14.2	99.92	1.62	17.77	11.93	107.8	259	17.5	7.3	301	2.29	7.1	1.8	1.8	5.9
AERHL225114	Stream	419	25	17	10	12.6	99.93	0.64	19.32	11.12	91.0	200	20.4	8.0	488	2.22	7.1	1.1	1.6	4.4
AERHL225115	Stream	339	25	15	10	15.2	99.91	1.93	25.11	11.89	103.6	234	28.9	9.0	294	2.37	9.8	1.8	15.5	5.3
AERHL225116	Stream	303	19	14	8	19.7	99.94	0.53	12.89	7.51	92.5	158	18.7	7.0	232	2.66	5.7	2.1	1.5	3.5
AERHL225117	Stream	751	33	16	10	8.7	99.93	2.24	18.95	12.72	104.6	189	24.0	9.4	332	2.53	10.3	2.2	1.7	6.4
AERHL225118	Stream	432	28	18	11	10.6	99.92	1.95	20.21	16.20	120.6	160	25.7	12.9	1091	5.21	12.8	2.0	1.1	6.6
AERHL225122	Stream	248	18	12	7	16.1	99.94	0.38	14.05	8.04	88.2	147	13.9	6.9	329	2.08	4.2	1.4	2.2	3.8
AERHL225123	Stream	260	26	11	12	16.0	99.90	0.82	29.40	10.53	212.1	168	41.7	31.8	461	3.08	6.8	2.9	1.5	7.4
AERHL225124	Stream	233	23	7	7	28.6	99.90	0.59	14.02	6.65	230.2	112	28.5	14.7	606	2.31	4.2	2.8	1.1	2.9
AERHL225125	Stream	309	22	11	8	15.9	99.93	0.33	12.20	7.00	76.9	104	15.1	6.2	334	1.69	3.3	1.2	1.1	3.4
AERHL225126	Stream	420	24	19	10	10.5	99.93	0.26	15.56	9.48	80.1	139	19.0	7.7	256	2.04	3.9	0.8	1.4	5.2
AERHL225127	Stream	310	24	15	12	13.7	99.91	0.26	18.05	11.38	96.6	147	20.8	7.8	316	2.17	3.8	1.1	1.6	5.2
AERHL225128	Stream	273	23	12	10	14.9	99.92	0.42	20.47	10.06	92.5	137	22.4	9.3	412	2.68	6.3	1.2	1.3	4.7
AERHL225131	Stream	306	21	12	8	16.8	99.93	0.38	14.04	7.80	78.7	122	15.5	6.0	217	1.58	3.7	1.2	1.3	3.6
AERHL225132	Stream	647	30	17	9	8.6	99.93	0.61	12.89	7.55	64.1	282	20.5	7.3	240	2.01	6.1	1.7	1.2	4.2
AERHL225133	Stream	746	28	11	8	9.0	99.93	0.52	10.05	6.07	65.2	79	16.3	6.1	238	1.64	3.2	0.9	4.0	4.3
AERHL225137	Rock Pulp	160	11	17	9	1.1	99.87	12.06	155.71	269.36	209.8	107	79.0	49.2	299	1.69	9.1	0.4	37.6	3.1



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		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
AERHL225109	Stream	0.43	0.20	0.17	38	0.72	0.056	16.1	21.2	0.33	178.5	0.004	9	1.22	0.007	0.14	<0.1	3.9	0.18	0.29	56
AERHL225110	Stream	0.49	0.33	0.17	36	1.25	0.100	19.6	19.3	0.62	454.6	0.005	9	1.10	0.013	0.15	<0.1	3.7	0.17	0.12	47
AERHL225111	Stream	0.37	0.36	0.16	40	1.59	0.169	23.0	20.6	0.75	484.0	0.006	11	1.18	0.015	0.15	<0.1	3.8	0.16	0.10	47
AERHL225112	Rock Pulp	0.49	0.19	0.13	27	0.65	0.052	24.5	33.6	0.51	57.8	0.078	2	0.89	0.114	0.13	<0.1	3.2	0.08	0.04	17
AERHL225113	Stream	0.49	0.29	0.16	47	1.59	0.090	16.9	23.6	0.73	283.3	0.004	12	1.29	0.012	0.17	<0.1	4.1	0.21	0.19	72
AERHL225114	Stream	0.24	0.22	0.16	33	1.48	0.092	14.8	18.7	0.44	253.0	0.004	12	1.01	0.028	0.18	<0.1	3.6	0.16	0.36	60
AERHL225115	Stream	0.40	0.39	0.18	34	1.53	0.094	15.8	18.3	0.63	307.2	0.004	12	0.97	0.013	0.21	<0.1	3.7	0.21	0.35	89
AERHL225116	Stream	0.35	0.24	0.10	30	1.12	0.088	9.8	17.6	0.35	76.1	0.005	13	0.98	0.081	0.16	<0.1	2.7	0.13	1.91	50
AERHL225117	Stream	0.42	0.42	0.19	30	0.74	0.090	18.4	17.9	0.47	343.1	0.006	9	0.91	0.012	0.15	<0.1	3.5	0.18	0.13	59
AERHL225118	Stream	0.34	0.24	0.23	29	0.66	0.104	17.4	15.7	0.47	440.2	0.003	9	1.01	0.009	0.17	<0.1	4.0	0.14	0.33	43
AERHL225122	Stream	0.30	0.22	0.12	29	2.59	0.072	11.1	17.1	0.41	158.8	0.007	16	0.95	0.019	0.18	<0.1	2.8	0.15	1.47	42
AERHL225123	Stream	0.79	0.27	0.16	33	1.62	0.100	19.5	19.9	0.31	78.0	0.003	9	1.11	0.089	0.16	<0.1	5.5	0.18	2.03	60
AERHL225124	Stream	1.47	0.20	0.09	27	4.97	0.063	9.8	14.8	0.56	25.7	0.007	20	0.97	0.177	0.15	<0.1	2.5	0.11	5.28	37
AERHL225125	Stream	0.33	0.18	0.10	28	3.73	0.086	9.5	17.9	0.51	134.0	0.007	13	0.98	0.070	0.15	<0.1	2.7	0.12	1.05	35
AERHL225126	Stream	0.18	0.21	0.14	34	1.60	0.095	15.2	22.5	0.54	156.1	0.009	11	1.21	0.024	0.19	<0.1	3.6	0.14	0.21	41
AERHL225127	Stream	0.27	0.25	0.18	42	0.90	0.140	16.1	28.2	0.60	169.4	0.007	11	1.55	0.054	0.23	<0.1	4.3	0.16	0.13	45
AERHL225128	Stream	0.32	0.28	0.15	38	2.22	0.110	12.9	23.4	0.62	199.9	0.008	16	1.23	0.100	0.21	<0.1	3.7	0.17	0.77	43
AERHL225131	Stream	0.31	0.25	0.11	30	1.05	0.077	11.3	18.6	0.42	127.8	0.007	13	1.02	0.037	0.15	<0.1	2.8	0.14	0.43	36
AERHL225132	Stream	0.24	0.29	0.10	37	1.69	0.075	13.9	20.0	0.64	174.8	0.012	9	1.01	0.049	0.12	<0.1	2.9	0.10	0.13	23
AERHL225133	Stream	0.31	0.24	0.07	27	1.97	0.091	12.7	16.3	0.76	203.9	0.013	8	0.77	0.018	0.11	<0.1	2.4	0.11	0.13	33
AERHL225137	Rock Pulp	0.46	0.18	0.14	27	0.68	0.054	25.8	34.7	0.53	61.8	0.081	2	0.93	0.117	0.13	<0.1	3.3	0.08	0.04	17



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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
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERHL225109	Stream	0.8	0.04	4.0	0.92	<0.1	0.12	0.57	18.0	0.6	<0.05	6.2	9.71	33.3	0.03	3	0.6	16.6	4.39	16.50	3.00
AERHL225110	Stream	0.9	0.05	3.8	1.04	<0.1	0.08	0.40	17.6	0.6	<0.05	4.8	12.80	39.1	0.03	1	0.8	15.0	5.00	19.72	4.10
AERHL225111	Stream	1.0	0.04	3.5	0.86	<0.1	0.09	0.45	17.1	0.6	<0.05	5.5	17.39	47.1	0.03	3	0.9	14.7	6.01	22.41	4.54
AERHL225112	Rock Pulp	0.2	<0.02	2.8	1.09	<0.1	0.19	0.43	6.9	2.4	<0.05	6.5	5.72	41.2	0.03	<1	0.2	8.9	4.97	17.42	2.59
AERHL225113	Stream	1.1	0.04	4.1	0.98	<0.1	0.10	0.49	22.3	0.6	<0.05	4.7	12.16	33.9	0.03	3	0.8	17.0	4.06	16.69	3.45
AERHL225114	Stream	1.2	0.06	3.2	0.94	<0.1	0.06	0.32	17.4	0.5	<0.05	3.3	12.14	30.3	0.03	3	0.7	14.6	3.70	15.57	3.21
AERHL225115	Stream	1.4	0.06	3.1	0.97	<0.1	0.10	0.37	14.8	0.5	<0.05	5.3	13.28	30.5	0.03	4	0.7	12.5	3.89	16.48	3.51
AERHL225116	Stream	1.0	0.03	3.0	0.72	<0.1	0.08	0.46	13.2	0.4	<0.05	4.1	7.42	20.0	<0.02	3	0.5	17.7	2.36	9.72	2.03
AERHL225117	Stream	1.2	0.07	3.0	1.38	<0.1	0.06	0.25	15.6	0.5	<0.05	3.6	13.45	38.2	0.03	2	0.7	13.5	4.64	19.32	3.94
AERHL225118	Stream	1.2	0.07	3.1	1.23	<0.1	0.07	0.12	15.9	0.6	<0.05	4.5	15.70	37.8	0.04	1	1.0	11.8	4.60	19.02	4.04
AERHL225122	Stream	0.9	0.04	2.9	0.98	<0.1	0.09	0.38	15.8	0.4	<0.05	4.2	8.08	23.6	<0.02	3	0.5	14.8	2.74	11.41	2.43
AERHL225123	Stream	0.9	0.05	3.2	1.08	<0.1	0.10	0.30	16.6	0.5	<0.05	6.1	15.17	43.2	0.05	3	1.2	17.8	5.52	22.16	4.94
AERHL225124	Stream	0.9	0.03	2.4	0.59	<0.1	0.10	0.38	13.1	0.3	<0.05	5.1	11.96	20.8	0.02	4	0.8	18.4	2.45	10.52	2.30
AERHL225125	Stream	0.6	0.04	3.0	0.71	<0.1	0.07	0.41	13.3	0.4	<0.05	3.4	8.07	20.1	<0.02	4	0.5	14.5	2.40	10.19	2.22
AERHL225126	Stream	0.5	0.02	3.6	0.92	<0.1	0.11	0.45	17.1	0.4	<0.05	5.4	9.85	31.4	0.02	1	0.6	16.8	3.66	15.07	3.11
AERHL225127	Stream	0.7	0.03	4.6	0.84	<0.1	0.10	0.56	18.1	0.7	<0.05	4.7	9.93	33.0	0.03	1	0.7	23.5	3.84	15.83	3.28
AERHL225128	Stream	0.6	0.03	3.7	0.87	<0.1	0.09	0.50	16.3	0.5	<0.05	4.9	10.45	26.4	0.02	2	0.7	19.3	3.19	13.49	2.94
AERHL225131	Stream	0.8	0.02	3.0	0.83	<0.1	0.08	0.45	14.5	0.4	<0.05	3.6	7.81	22.8	<0.02	3	0.5	14.4	2.71	11.33	2.31
AERHL225132	Stream	0.7	0.03	3.0	0.53	<0.1	0.07	0.42	8.5	0.3	<0.05	3.3	9.01	28.0	<0.02	1	0.5	16.6	3.38	13.90	2.80
AERHL225133	Stream	0.5	<0.02	2.3	0.64	<0.1	0.07	0.32	8.5	0.3	<0.05	3.3	8.61	25.8	<0.02	1	0.4	11.2	3.08	12.80	2.65
AERHL225137	Rock Pulp	0.1	<0.02	3.0	1.16	<0.1	0.20	0.39	7.0	2.4	<0.05	6.6	5.81	43.6	0.03	<1	0.2	8.9	5.24	18.15	2.71



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERHL225109	Stream	0.62	2.87	0.38	2.03	0.36	0.98	0.13	0.78	0.09	<10	<2
AERHL225110	Stream	0.68	3.32	0.44	2.47	0.45	1.21	0.16	0.97	0.13	<10	<2
AERHL225111	Stream	0.85	4.03	0.53	3.10	0.55	1.45	0.18	1.12	0.15	<10	<2
AERHL225112	Rock Pulp	0.56	1.72	0.20	1.11	0.19	0.54	0.07	0.46	0.06	44	26
AERHL225113	Stream	0.67	3.12	0.40	2.32	0.41	1.05	0.13	0.77	0.10	<10	<2
AERHL225114	Stream	0.63	2.93	0.39	2.22	0.39	1.03	0.13	0.77	0.10	<10	<2
AERHL225115	Stream	0.72	3.31	0.44	2.51	0.45	1.17	0.14	0.88	0.12	<10	<2
AERHL225116	Stream	0.41	1.89	0.24	1.43	0.25	0.67	0.08	0.51	0.07	<10	<2
AERHL225117	Stream	0.73	3.53	0.46	2.56	0.45	1.18	0.14	0.91	0.12	<10	<2
AERHL225118	Stream	0.79	3.79	0.51	2.91	0.51	1.37	0.17	1.05	0.14	<10	<2
AERHL225122	Stream	0.47	2.15	0.27	1.61	0.27	0.72	0.08	0.55	0.07	<10	<2
AERHL225123	Stream	1.04	4.31	0.58	3.31	0.55	1.48	0.18	1.13	0.15	<10	<2
AERHL225124	Stream	0.51	2.43	0.34	2.04	0.35	0.94	0.12	0.69	0.09	<10	<2
AERHL225125	Stream	0.46	2.12	0.27	1.60	0.27	0.73	0.09	0.54	0.07	<10	<2
AERHL225126	Stream	0.61	2.76	0.35	2.00	0.34	0.89	0.11	0.68	0.09	<10	<2
AERHL225127	Stream	0.65	2.84	0.36	2.03	0.35	0.91	0.11	0.70	0.09	<10	3
AERHL225128	Stream	0.61	2.70	0.35	2.05	0.35	0.93	0.12	0.74	0.10	<10	<2
AERHL225131	Stream	0.46	2.11	0.27	1.55	0.26	0.68	0.08	0.52	0.07	<10	<2
AERHL225132	Stream	0.55	2.53	0.32	1.79	0.30	0.79	0.10	0.58	0.08	<10	<2
AERHL225133	Stream	0.52	2.42	0.30	1.70	0.28	0.75	0.09	0.55	0.07	<10	<2
AERHL225137	Rock Pulp	0.59	1.85	0.21	1.17	0.21	0.57	0.07	0.48	0.07	44	27



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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
AERCL227068	Stream Sedim	2.60	662	3	5.9	3.5	11.0	15.9	13.4	66.2	1	141.0	0.8	9.7	2.9	84	1.5	650.7	24.2	32.5	61.0
AERCL227106	Stream Sedim	2.17	512	<1	6.4	3.4	10.9	13.3	12.5	68.4	1	140.0	1.1	10.2	4.1	87	1.4	551.3	25.5	32.3	62.6
AERHL225012	Stream Sedim	2.62	739	<1	11.3	2.9	10.0	12.8	10.2	64.7	1	133.9	0.8	12.4	4.1	90	1.2	521.2	25.8	33.5	65.9
AERHL225050	Rock Pulp	0.07	477	2	53.0	1.8	13.8	4.1	16.4	37.3	7	419.1	0.4	3.9	0.9	52	<0.5	163.9	11.4	32.6	60.2
AERHL225088	Stream Sedim	2.43	770	<1	11.7	5.7	14.1	9.0	13.7	96.6	2	135.1	1.0	13.1	4.4	151	1.2	344.5	25.8	38.3	74.6
AERHL225128	Stream Sedim	1.37	679	<1	9.4	4.2	12.3	6.9	11.0	82.4	1	175.0	0.7	9.4	2.9	114	1.1	270.3	21.5	30.2	58.3
Pulp Duplicates																					
AERCL227013	Stream Sedim	1.51	544	<1	10.2	3.5	10.9	9.5	11.2	70.9	1	128.9	0.8	7.9	2.7	89	0.8	394.1	22.2	28.4	55.2
REP AERCL227013	QC		571	<1	10.7	3.5	11.1	10.2	11.8	72.8	1	130.1	0.8	9.3	2.8	86	1.0	400.0	21.4	30.9	60.8
AERCL227014	Stream Sedim	2.57	626	3	9.7	3.3	11.6	15.8	13.2	68.2	2	134.7	0.9	11.0	3.2	98	3.7	630.8	29.4	38.6	71.1
REP AERCL227014	QC																				
AERCL227025	Stream Sedim	2.44	796	<1	16.3	3.3	14.8	9.7	9.8	65.8	1	181.7	0.7	10.1	2.7	130	0.7	397.7	24.0	32.5	63.4
REP AERCL227025	QC																				
AERCL227027	Stream Sedim	2.47	823	6	11.3	4.5	15.7	8.3	12.0	85.0	5	167.8	0.8	11.6	2.9	142	1.5	330.2	27.9	36.2	69.8
REP AERCL227027	QC																				
AERCL227030	Stream Sedim	2.41	584	<1	10.6	2.3	9.8	15.9	11.3	55.8	3	155.7	0.7	10.4	2.6	67	1.1	667.8	29.9	34.4	65.8
REP AERCL227030	QC																				
AERCL227049	Stream Sedim	2.80	636	<1	8.8	2.8	12.1	19.3	13.6	67.3	2	160.9	1.0	16.0	4.1	86	1.4	798.1	37.5	48.0	96.5
REP AERCL227049	QC		655	4	9.0	2.8	12.7	19.4	14.2	69.3	2	165.4	1.0	17.4	4.3	93	1.0	837.7	35.0	49.8	99.2
AERCL227050	Stream Sedim	2.48	841	2	14.0	4.2	14.2	7.6	11.0	77.3	2	165.3	0.6	8.9	3.1	140	1.0	317.7	25.0	29.7	58.7
REP AERCL227050	QC																				
AERCL227063	Stream Sedim	2.36	1045	<1	11.6	5.0	13.3	13.3	15.0	78.2	2	184.5	1.0	11.8	5.0	137	1.6	537.4	31.8	40.9	75.0
REP AERCL227063	QC																				
AERCL227066	Rock Pulp	0.07	478	<1	52.0	2.0	14.3	4.0	16.5	37.4	6	401.6	0.4	3.8	0.7	72	<0.5	161.3	11.4	31.7	54.4
REP AERCL227066	QC																				
AERCL227070	Stream Sedim	2.43	533	2	7.3	3.3	10.0	12.7	11.6	57.4	1	117.0	0.9	9.6	3.1	72	1.1	503.3	25.1	31.4	60.1
REP AERCL227070	QC		528	2	7.8	3.2	10.0	13.0	12.0	57.1	2	120.1	0.8	9.3	2.7	68	0.9	532.7	23.7	31.6	61.3
AERCL227086	Stream Sedim	2.07	602	2	7.0	2.7	9.0	13.5	10.1	58.6	<1	119.7	0.9	8.9	3.0	73	1.2	561.3	22.9	26.5	53.8
REP AERCL227086	QC		584	2	6.8	2.7	9.9	12.9	9.7	58.7	<1	114.5	0.6	7.6	3.1	80	1.1	521.7	22.7	26.5	49.9



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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
AERCL227068	Stream Sedim	7.19	26.0	4.66	0.85	4.13	0.68	4.12	0.90	2.87	0.43	2.89	0.48	0.3	6.6	6.4	41	6.2	2.0	0.2	<0.1
AERCL227106	Stream Sedim	7.43	27.8	4.78	0.90	4.39	0.69	4.32	0.91	2.88	0.44	3.13	0.48	0.1	8.7	9.4	31	9.7	2.3	0.1	<0.1
AERHL225012	Stream Sedim	8.01	31.0	5.45	1.00	4.96	0.74	4.34	0.92	2.74	0.39	2.65	0.39	1.3	11.0	8.3	88	17.2	8.0	0.5	0.4
AERHL225050	Rock Pulp	6.73	25.8	4.12	1.03	3.01	0.38	2.24	0.41	1.16	0.17	1.16	0.16	13.0	167.4	281.5	227	84.9	10.3	0.5	0.2
AERHL225088	Stream Sedim	8.61	32.2	5.98	1.23	5.57	0.80	4.49	0.99	2.86	0.41	2.77	0.42	1.3	24.9	12.8	123	24.8	8.7	0.7	0.2
AERHL225128	Stream Sedim	6.87	25.8	4.52	0.94	4.18	0.60	3.70	0.78	2.33	0.31	2.15	0.33	0.4	20.1	9.4	90	21.6	6.3	0.3	0.2
Pulp Duplicates																					
AERCL227013	Stream Sedim	6.07	22.2	4.24	0.83	3.80	0.59	3.78	0.77	2.62	0.37	2.51	0.38	0.2	6.7	9.1	62	7.8	4.8	0.2	<0.1
REP AERCL227013	QC	6.65	24.4	4.60	0.81	4.08	0.63	3.81	0.77	2.42	0.34	2.52	0.38								
AERCL227014	Stream Sedim	8.43	31.3	5.58	1.00	5.45	0.78	4.68	1.01	3.04	0.43	3.34	0.51	1.3	11.9	11.7	80	16.9	7.9	0.3	0.3
REP AERCL227014	QC																				
AERCL227025	Stream Sedim	7.17	28.4	5.12	1.03	4.83	0.71	4.30	0.94	2.76	0.40	2.79	0.43	0.6	19.7	11.0	101	30.8	8.7	0.3	0.3
REP AERCL227025	QC																				
AERCL227027	Stream Sedim	8.53	33.9	6.30	1.26	5.23	0.84	4.77	0.94	2.88	0.43	2.87	0.45	4.6	24.7	13.7	78	26.7	32.9	0.2	0.2
REP AERCL227027	QC																				
AERCL227030	Stream Sedim	8.01	30.0	5.38	0.97	4.73	0.77	4.55	0.94	3.01	0.46	3.13	0.50	0.6	7.2	7.1	52	10.2	12.7	0.2	<0.1
REP AERCL227030	QC													0.5	7.1	7.4	50	10.0	12.5	0.2	0.1
AERCL227049	Stream Sedim	11.32	42.6	7.62	1.30	6.94	1.03	6.13	1.29	3.96	0.59	4.42	0.66	0.2	13.3	9.8	64	18.1	3.3	0.2	0.2
REP AERCL227049	QC	11.71	42.1	7.78	1.34	6.59	1.03	5.98	1.28	4.03	0.56	4.03	0.59								
AERCL227050	Stream Sedim	6.94	26.7	5.00	1.11	4.57	0.69	4.03	0.84	2.43	0.37	2.50	0.40	0.9	19.0	10.7	78	27.0	12.3	0.2	0.3
REP AERCL227050	QC																				
AERCL227063	Stream Sedim	9.51	35.3	6.26	1.31	5.85	0.92	5.21	1.21	3.57	0.52	3.50	0.55	2.1	23.2	12.3	81	22.5	11.2	0.3	0.4
REP AERCL227063	QC																				
AERCL227066	Rock Pulp	6.74	24.9	3.69	1.04	2.90	0.40	2.19	0.41	1.17	0.16	1.05	0.18	11.6	152.4	260.4	205	74.3	9.0	0.5	0.2
REP AERCL227066	QC													11.7	151.1	261.6	204	75.4	9.0	0.5	0.2
AERCL227070	Stream Sedim	7.24	26.5	4.81	0.86	4.22	0.67	4.18	0.87	2.76	0.42	2.88	0.44	0.3	8.9	7.3	48	10.3	4.7	0.1	0.1
REP AERCL227070	QC	7.18	27.1	4.90	0.88	4.38	0.66	3.96	0.87	2.45	0.40	2.77	0.46								
AERCL227086	Stream Sedim	6.20	23.5	4.17	0.81	3.77	0.63	3.91	0.83	2.49	0.41	2.68	0.43	0.5	7.5	5.7	50	9.6	6.1	0.2	0.1
REP AERCL227086	QC	6.01	22.6	4.12	0.75	3.85	0.60	4.10	0.87	2.49	0.38	2.70	0.41								



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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
AERCL227068	Stream Sedim	0.1	<0.1	0.6	0.02	0.1	<0.5	76.59	9.05	2.36	0.72	0.72	0.63	1.40	0.70	0.14	0.08	0.008	637	<20	136
AERCL227106	Stream Sedim	0.1	<0.1	1.1	0.04	0.1	0.8	70.75	9.91	2.96	0.80	1.17	0.82	1.58	0.66	0.16	0.04	0.009	534	<20	135
AERHL225012	Stream Sedim	0.1	0.1	1.0	0.04	0.1	0.7	63.07	8.69	4.47	3.06	5.01	0.88	1.90	0.53	0.24	0.18	0.008	799	<20	136
AERHL225050	Rock Pulp	0.2	0.1	36.9	0.01	<0.1	<0.5	71.64	12.16	3.99	1.73	3.26	3.45	1.42	0.38	0.13	0.07	0.015	468	87	400
AERHL225088	Stream Sedim	0.2	0.3	1.5	0.06	0.2	1.2	63.20	11.34	4.09	1.50	1.92	0.60	2.12	0.63	0.20	0.04	0.010	763	24	124
AERHL225128	Stream Sedim	0.2	0.1	<0.5	0.04	0.1	0.5	60.09	11.07	4.85	1.58	3.50	0.80	2.09	0.59	0.28	0.06	0.010	702	22	173
Pulp Duplicates																					
AERCL227013	Stream Sedim	<0.1	<0.1	<0.5	0.04	0.1	<0.5	70.68	9.90	3.73	0.76	0.79	0.76	1.66	0.67	0.20	0.18	0.009	574	<20	126
REP AERCL227013																					
AERCL227014	Stream Sedim	0.1	<0.1	<0.5	0.04	0.3	0.7	72.49	10.13	4.12	0.86	0.82	0.73	1.80	0.74	0.20	0.09	0.011	640	<20	130
REP AERCL227014																					
AERCL227025	Stream Sedim	0.1	<0.1	<0.5	0.04	0.2	<0.5	63.50	13.45	5.81	1.47	1.26	1.15	1.85	0.79	0.22	0.07	0.016	785	38	179
REP AERCL227025																					
AERCL227027	Stream Sedim	0.1	0.1	1.2	0.04	0.2	0.7	64.52	12.88	6.10	1.80	1.75	0.94	2.12	0.69	0.21	0.04	0.013	772	28	152
REP AERCL227027																					
AERCL227030	Stream Sedim	<0.1	<0.1	0.9	0.04	0.1	<0.5	65.73	7.89	5.36	0.73	1.44	0.74	1.42	0.58	0.41	0.40	0.009	580	<20	148
REP AERCL227030																					
AERCL227049	Stream Sedim	<0.1	<0.1	2.1	0.02	0.2	0.6	71.96	10.59	3.44	0.97	1.24	1.27	1.97	0.82	0.18	0.05	0.013	663	24	167
REP AERCL227049																					
AERCL227050	Stream Sedim	0.2	<0.1	1.5	0.05	0.2	0.5	65.12	12.66	6.15	1.64	1.58	0.98	2.08	0.71	0.22	0.06	0.014	828	36	158
REP AERCL227050																					
AERCL227063	Stream Sedim	0.2	0.2	2.3	0.07	0.3	1.3	70.19	11.35	4.59	1.14	1.11	0.87	1.95	0.76	0.20	0.06	0.012	1008	27	180
REP AERCL227063																					
AERCL227066	Rock Pulp	0.1	0.1	32.7	0.01	<0.1	<0.5	71.98	12.26	4.07	1.74	3.37	3.47	1.35	0.38	0.12	0.07	0.015	475	89	403
REP AERCL227066																					
AERCL227070	Stream Sedim	0.1	<0.1	0.9	0.03	0.1	<0.5	71.17	8.93	3.91	0.70	0.83	0.77	1.44	0.65	0.22	0.13	0.008	558	<20	124
REP AERCL227070																					
AERCL227086	Stream Sedim	<0.1	<0.1	<0.5	0.04	0.1	0.5	66.63	8.30	4.84	0.72	1.05	0.75	1.41	0.57	0.29	0.07	0.009	581	<20	110
REP AERCL227086																					



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	Method	LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
	MDL	5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERCL227068	Stream Sedim	656	24	15	8	7.4	99.95	0.33	6.49	6.42	42.7	71	6.4	4.3	606	0.95	2.0	0.9	0.5	3.9	42.6
AERCL227106	Stream Sedim	558	25	17	9	11.0	99.95	0.22	7.91	7.44	30.7	61	9.6	5.2	278	1.39	2.1	1.5	<0.2	3.2	49.3
AERHL225012	Stream Sedim	552	27	12	9	11.7	99.89	1.39	11.77	9.52	88.9	170	18.1	10.4	1378	2.46	8.7	2.2	74.1	7.7	47.0
AERHL225050	Rock Pulp	168	10	18	9	1.5	99.84	12.29	154.51	267.85	213.9	108	79.3	49.2	280	1.61	9.5	0.4	37.2	3.0	34.3
AERHL225088	Stream Sedim	362	27	17	11	14.1	99.90	1.32	24.96	14.16	117.6	315	22.7	10.7	229	2.14	8.6	2.2	1.5	6.9	46.9
AERHL225128	Stream Sedim	273	23	12	10	14.9	99.92	0.42	20.47	10.06	92.5	137	22.4	9.3	412	2.68	6.3	1.2	1.3	4.7	91.1
Pulp Duplicates																					
AERCL227013	Stream Sedim	406	22	14	9	10.5	99.94	0.18	7.28	8.49	65.5	73	8.8	9.7	1403	1.89	4.8	0.9	0.6	3.7	38.8
REP AERCL227013																					
AERCL227014	Stream Sedim	632	31	15	9	7.8	99.93	1.36	12.63	10.21	78.0	91	16.9	11.0	645	2.09	7.5	1.5	0.7	5.1	42.4
REP AERCL227014		639	29	18	9	7.8	99.93														
AERCL227025	Stream Sedim	409	23	12	13	10.2	99.91	0.67	19.87	10.99	97.7	79	32.0	15.9	445	2.99	8.4	1.1	9.2	5.4	57.6
REP AERCL227025								0.67	20.30	10.97	98.3	78	32.1	16.1	444	2.99	8.8	1.1	1.9	5.1	58.8
AERCL227027	Stream Sedim	314	26	18	12	8.7	99.90	4.60	22.59	12.85	70.5	106	22.8	8.0	258	2.94	30.6	0.8	1.5	6.4	41.3
REP AERCL227027								4.79	23.74	13.68	69.2	109	24.0	8.2	262	3.00	32.7	0.9	1.5	7.2	44.8
AERCL227030	Stream Sedim	630	25	15	7	15.1	99.96	0.60	6.82	7.06	53.5	52	9.9	8.6	2966	3.02	13.9	0.7	<0.2	4.2	58.6
REP AERCL227030																					
AERCL227049	Stream Sedim	837	36	19	10	7.2	99.93	0.30	11.71	9.25	67.7	68	18.3	7.7	262	1.58	3.3	1.6	5.0	8.9	38.6
REP AERCL227049																					
AERCL227050	Stream Sedim	293	24	15	12	8.6	99.92	0.81	19.53	10.30	79.2	93	26.9	10.8	427	3.20	12.8	1.0	<0.2	5.3	52.3
REP AERCL227050		303	24	16	12	8.6	99.93														
AERCL227063	Stream Sedim	539	31	16	10	7.5	99.91	2.27	25.38	13.19	90.3	208	25.1	10.2	442	2.43	13.0	2.1	1.8	6.3	82.1
REP AERCL227063								2.30	26.60	13.66	93.0	209	25.6	10.2	443	2.45	13.2	2.2	1.4	6.6	83.8
AERCL227066	Rock Pulp	164	11	16	9	0.9	99.85	12.11	156.50	274.79	213.6	112	80.0	49.3	279	1.62	9.7	0.4	38.0	3.1	33.1
REP AERCL227066																					
AERCL227070	Stream Sedim	563	24	11	8	11.0	99.95	0.30	8.94	7.54	51.0	78	11.0	6.8	959	2.08	5.1	1.0	0.8	3.8	40.5
REP AERCL227070																					
AERCL227086	Stream Sedim	556	22	9	7	15.2	99.94	0.57	7.51	5.77	51.4	64	10.0	5.5	470	2.65	6.6	1.0	0.5	3.3	31.8
REP AERCL227086																					



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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
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
AERCL227068	Stream Sedim	0.15	0.07	0.11	13	0.36	0.046	14.2	9.3	0.15	125.0	0.002	7	0.64	0.013	0.09	<0.1	1.7	0.13	0.05	22
AERCL227106	Stream Sedim	0.10	0.10	0.11	23	0.60	0.061	14.4	14.8	0.23	108.4	0.003	8	0.88	0.009	0.08	<0.1	2.4	0.11	0.07	36
AERHL225012	Stream Sedim	0.45	0.44	0.12	27	3.07	0.096	20.5	15.5	1.56	300.2	0.012	11	0.79	0.015	0.13	<0.1	2.7	0.17	0.14	53
AERHL225050	Rock Pulp	0.49	0.20	0.14	25	0.61	0.054	24.2	32.1	0.49	58.4	0.072	2	0.83	0.093	0.12	<0.1	3.0	0.08	0.05	16
AERHL225088	Stream Sedim	0.75	0.29	0.21	47	1.16	0.073	19.6	23.4	0.58	276.1	0.004	12	1.24	0.013	0.18	<0.1	4.6	0.21	0.13	64
AERHL225128	Stream Sedim	0.32	0.28	0.15	38	2.22	0.110	12.9	23.4	0.62	199.9	0.008	16	1.23	0.100	0.21	<0.1	3.7	0.17	0.77	43
Pulp Duplicates																					
AERCL227013	Stream Sedim	0.16	0.08	0.11	21	0.37	0.081	14.8	14.7	0.20	135.9	0.004	6	0.87	0.006	0.08	<0.1	2.5	0.14	0.05	36
REP AERCL227013	QC																				
AERCL227014	Stream Sedim	0.34	0.26	0.15	24	0.38	0.076	17.8	14.8	0.26	171.6	0.006	6	0.82	0.007	0.12	<0.1	2.6	0.22	0.19	42
REP AERCL227014	QC																				
AERCL227025	Stream Sedim	0.21	0.49	0.13	36	0.64	0.087	17.4	24.9	0.48	221.1	0.010	5	1.20	0.010	0.14	<0.1	4.8	0.15	0.04	43
REP AERCL227025	QC	0.20	0.48	0.12	36	0.64	0.088	16.5	25.4	0.48	214.0	0.010	5	1.21	0.010	0.14	<0.1	4.9	0.17	0.04	54
AERCL227027	Stream Sedim	0.28	0.24	0.16	37	0.92	0.074	17.6	22.1	0.66	220.9	0.010	6	1.20	0.009	0.18	<0.1	4.6	0.17	<0.02	38
REP AERCL227027	QC	0.26	0.27	0.16	37	0.92	0.078	17.9	23.0	0.67	224.8	0.010	8	1.22	0.009	0.18	<0.1	4.6	0.20	<0.02	49
AERCL227030	Stream Sedim	0.22	0.16	0.09	19	0.79	0.166	15.8	12.1	0.24	201.5	0.005	7	0.73	0.006	0.08	<0.1	2.1	0.13	0.14	45
REP AERCL227030	QC																				
AERCL227049	Stream Sedim	0.14	0.16	0.09	28	0.47	0.074	29.0	20.4	0.31	151.6	0.015	5	0.94	0.008	0.11	<0.1	3.7	0.16	0.03	39
REP AERCL227049	QC																				
AERCL227050	Stream Sedim	0.15	0.26	0.14	37	0.89	0.085	13.5	21.9	0.63	253.8	0.007	5	1.24	0.011	0.16	<0.1	5.2	0.14	0.16	49
REP AERCL227050	QC																				
AERCL227063	Stream Sedim	0.37	0.40	0.23	28	0.59	0.081	14.9	17.4	0.38	176.6	0.006	11	0.83	0.035	0.14	<0.1	3.5	0.24	0.68	80
REP AERCL227063	QC	0.37	0.39	0.24	29	0.58	0.082	15.6	17.8	0.39	194.8	0.006	11	0.83	0.036	0.14	<0.1	3.5	0.25	0.68	88
AERCL227066	Rock Pulp	0.50	0.18	0.15	24	0.59	0.054	24.9	32.0	0.50	62.8	0.071	2	0.85	0.109	0.12	<0.1	3.1	0.08	0.04	15
REP AERCL227066	QC																				
AERCL227070	Stream Sedim	0.14	0.12	0.11	19	0.38	0.089	14.5	13.7	0.19	134.9	0.004	7	0.75	0.006	0.08	<0.1	2.5	0.13	0.12	50
REP AERCL227070	QC																				
AERCL227086	Stream Sedim	0.20	0.12	0.08	19	0.54	0.120	11.9	12.3	0.21	180.5	0.004	8	0.75	0.006	0.09	<0.1	2.2	0.11	0.26	39
REP AERCL227086	QC																				



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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
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
AERCL227068	Stream Sedim	0.3	0.02	1.8	0.65	<0.1	0.04	0.15	12.6	0.3	<0.05	1.9	6.47	29.7	<0.02	1	0.4	5.6	3.42	12.75	2.43
AERCL227106	Stream Sedim	0.4	0.03	2.8	0.58	<0.1	0.08	0.32	12.2	0.4	<0.05	3.3	7.72	31.9	<0.02	<1	0.5	11.2	3.55	13.88	2.64
AERHL225012	Stream Sedim	0.6	0.04	2.6	0.95	<0.1	0.09	0.40	13.2	0.4	<0.05	4.6	13.39	43.6	<0.02	1	0.5	11.9	5.20	20.78	4.10
AERHL225050	Rock Pulp	<0.1	<0.02	2.6	1.10	<0.1	0.16	0.48	7.0	2.4	<0.05	6.1	5.92	41.4	0.04	<1	0.2	8.5	5.08	17.09	2.53
AERHL225088	Stream Sedim	1.1	0.05	4.3	1.07	<0.1	0.15	0.54	19.1	0.6	<0.05	7.1	13.30	40.4	0.03	3	0.7	16.6	5.20	19.58	4.30
AERHL225128	Stream Sedim	0.6	0.03	3.7	0.87	<0.1	0.09	0.50	16.3	0.5	<0.05	4.9	10.45	26.4	0.02	2	0.7	19.3	3.19	13.49	2.94
Pulp Duplicates																					
AERCL227013	Stream Sedim	0.3	<0.02	3.0	0.76	<0.1	0.04	0.29	15.6	0.7	<0.05	2.2	6.57	31.4	0.02	<1	0.4	10.8	3.56	13.49	2.60
REP AERCL227013	QC																				
AERCL227014	Stream Sedim	0.9	0.04	2.8	0.78	<0.1	0.07	0.27	13.6	0.5	<0.05	4.1	10.32	36.4	0.02	5	0.6	10.9	4.29	16.38	3.21
REP AERCL227014	QC																				
AERCL227025	Stream Sedim	0.5	0.04	4.0	1.09	<0.1	0.11	0.22	14.0	2.2	<0.05	5.9	12.54	36.7	0.03	2	0.7	13.6	4.39	17.37	3.62
REP AERCL227025	QC	0.5	0.03	4.1	1.08	<0.1	0.11	0.21	14.4	2.3	<0.05	5.9	12.10	35.9	0.03	1	0.7	13.8	4.28	17.17	3.46
AERCL227027	Stream Sedim	0.4	0.03	3.9	1.08	<0.1	0.16	0.12	16.6	2.8	<0.05	8.6	11.72	37.5	0.04	3	1.2	14.1	4.54	18.31	3.84
REP AERCL227027	QC	0.5	0.06	4.2	1.17	<0.1	0.24	0.14	17.4	3.1	<0.05	9.8	12.20	38.6	0.04	4	1.1	15.9	4.46	18.38	3.86
AERCL227030	Stream Sedim	0.2	0.04	2.2	0.52	<0.1	0.03	0.32	10.4	1.0	<0.05	1.7	8.51	32.6	<0.02	<1	0.3	9.3	3.85	15.35	2.77
REP AERCL227030	QC																				
AERCL227049	Stream Sedim	<0.1	0.03	3.9	0.78	<0.1	0.15	0.51	15.1	0.5	<0.05	6.5	12.07	57.8	<0.02	<1	0.5	13.1	7.10	26.69	4.61
REP AERCL227049	QC																				
AERCL227050	Stream Sedim	0.6	0.05	4.1	1.08	<0.1	0.19	0.13	14.9	0.6	<0.05	8.1	10.75	28.4	0.03	5	0.8	16.7	3.49	13.77	3.02
REP AERCL227050	QC																				
AERCL227063	Stream Sedim	1.4	0.09	2.9	1.20	<0.1	0.17	0.17	14.3	0.5	<0.05	8.9	13.88	31.9	0.03	6	0.7	14.4	4.04	15.79	3.44
REP AERCL227063	QC	1.4	0.08	3.0	1.26	<0.1	0.18	0.17	14.7	0.5	<0.05	9.1	13.94	33.8	0.03	6	0.7	14.3	4.20	16.55	3.58
AERCL227066	Rock Pulp	<0.1	<0.02	2.8	1.16	<0.1	0.18	0.37	7.4	2.3	<0.05	6.1	5.81	43.6	0.04	<1	0.2	8.6	5.28	17.76	2.67
REP AERCL227066	QC																				
AERCL227070	Stream Sedim	0.4	0.02	2.5	0.61	<0.1	0.06	0.28	11.6	0.4	<0.05	2.7	8.38	31.0	<0.02	2	0.4	9.5	3.79	14.45	2.82
REP AERCL227070	QC																				
AERCL227086	Stream Sedim	0.5	<0.02	2.4	0.44	<0.1	0.06	0.35	11.5	0.3	<0.05	2.9	7.09	25.5	<0.02	3	0.4	11.0	2.96	11.77	2.28
REP AERCL227086	QC																				



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Method Analyte Unit MDL		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
AERCL227068	Stream Sedim	0.40	1.88	0.25	1.34	0.22	0.59	0.08	0.47	0.06	<10	<2
AERCL227106	Stream Sedim	0.46	2.14	0.28	1.56	0.26	0.68	0.09	0.55	0.07	<10	<2
AERHL225012	Stream Sedim	0.71	3.50	0.43	2.62	0.45	1.17	0.15	0.89	0.11	<10	<2
AERHL225050	Rock Pulp	0.54	1.67	0.21	1.10	0.19	0.52	0.07	0.46	0.06	48	26
AERHL225088	Stream Sedim	0.82	3.47	0.52	2.98	0.49	1.29	0.16	0.98	0.13	<10	<2
AERHL225128	Stream Sedim	0.61	2.70	0.35	2.05	0.35	0.93	0.12	0.74	0.10	<10	<2
Pulp Duplicates												
AERCL227013	Stream Sedim	0.44	2.09	0.26	1.46	0.25	0.64	0.09	0.50	0.07	<10	<2
REP AERCL227013	QC											
AERCL227014	Stream Sedim	0.56	2.73	0.36	1.97	0.35	0.92	0.12	0.73	0.10	<10	<2
REP AERCL227014	QC											
AERCL227025	Stream Sedim	0.75	3.04	0.43	2.39	0.43	1.16	0.15	0.96	0.13	<10	<2
REP AERCL227025	QC	0.72	3.06	0.41	2.37	0.43	1.15	0.15	0.94	0.13	<10	<2
AERCL227027	Stream Sedim	0.74	3.84	0.47	2.59	0.44	1.20	0.16	1.01	0.13	<10	<2
REP AERCL227027	QC	0.74	3.83	0.42	2.63	0.42	1.33	0.15	1.04	0.13	<10	<2
AERCL227030	Stream Sedim	0.50	2.67	0.35	1.97	0.36	0.88	0.10	0.79	0.10	<10	<2
REP AERCL227030	QC											
AERCL227049	Stream Sedim	0.72	3.66	0.51	2.61	0.46	1.32	0.14	1.07	0.14	<10	<2
REP AERCL227049	QC											
AERCL227050	Stream Sedim	0.60	2.71	0.39	2.26	0.41	1.17	0.13	0.86	0.12	<10	<2
REP AERCL227050	QC											
AERCL227063	Stream Sedim	0.70	3.15	0.44	2.54	0.46	1.21	0.16	0.95	0.13	<10	<2
REP AERCL227063	QC	0.73	3.30	0.47	2.67	0.48	1.28	0.17	1.00	0.14	<10	<2
AERCL227066	Rock Pulp	0.57	1.72	0.21	1.15	0.20	0.55	0.07	0.45	0.06	46	27
REP AERCL227066	QC											
AERCL227070	Stream Sedim	0.51	2.30	0.31	1.70	0.29	0.79	0.10	0.61	0.09	<10	<2
REP AERCL227070	QC											
AERCL227086	Stream Sedim	0.43	1.95	0.25	1.42	0.25	0.66	0.08	0.50	0.07	<10	<2
REP AERCL227086	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
AERCL227087	Stream Sedim	2.84	542	2	7.5	2.4	8.6	27.3	12.6	57.0	2	122.3	0.9	12.5	3.3	58	0.9	1106.4	32.9	41.4	80.3
REP AERCL227087	QC																				
AERCL227099	Stream Sedim	2.40	728	<1	11.0	4.2	13.1	11.8	14.0	81.0	2	119.1	0.9	10.9	3.8	130	1.3	490.1	26.7	31.2	62.9
REP AERCL227099	QC																				
AERCL227103	Stream Sedim	2.64	615	<1	9.3	2.7	10.0	23.7	14.7	56.9	1	134.8	0.9	14.1	4.3	86	1.2	983.2	36.1	40.8	82.4
REP AERCL227103	QC																				
AERCL227122	Stream Sedim	2.31	484	2	7.5	2.0	9.1	34.1	12.9	48.4	1	131.5	1.2	14.0	4.1	72	1.0	1401.6	37.1	48.1	94.0
REP AERCL227122	QC		483	1	7.8	2.4	8.9	37.7	15.0	49.4	1	133.4	1.3	13.7	4.1	70	2.1	1510.8	38.5	45.4	88.4
AERCL227123	Stream Sedim	2.88	788	<1	14.5	3.8	13.3	10.8	11.4	68.8	<1	152.2	0.8	9.3	3.1	129	0.8	428.7	24.0	28.7	55.7
REP AERCL227123	QC																				
AERHL225003	Stream Sedim	2.09	745	<1	11.5	4.7	11.8	5.8	11.8	85.2	2	118.7	0.7	11.2	4.5	152	1.3	231.0	25.0	31.5	58.8
REP AERHL225003	QC																				
AERHL225006	Stream Sedim	2.45	745	3	9.7	5.3	13.3	7.0	13.2	90.5	2	119.5	0.9	10.7	3.7	145	1.4	261.8	22.8	30.1	56.7
REP AERHL225006	QC																				
AERHL225024	Stream Sedim	2.71	796	2	10.3	5.1	13.0	6.6	12.8	85.9	2	120.4	0.8	10.2	4.7	144	1.0	255.1	24.9	30.8	58.3
REP AERHL225024	QC																				
AERHL225026	Stream Sedim	2.35	599	<1	7.8	3.9	12.4	13.5	11.6	84.5	1	118.7	0.8	10.5	3.9	110	1.2	530.3	24.6	31.7	61.8
REP AERHL225026	QC		555	<1	8.8	4.1	11.3	12.6	11.6	83.5	1	116.8	0.9	12.1	3.8	111	1.5	491.9	23.4	31.9	61.6
AERHL225027	Stream Sedim	2.28	651	2	11.1	4.9	12.8	9.2	12.0	87.4	1	112.1	0.8	10.8	4.2	111	1.3	348.0	22.9	33.3	65.1
REP AERHL225027	QC																				
AERHL225039	Stream Sedim	2.62	630	3	9.2	3.3	10.8	14.7	11.1	69.9	1	109.7	0.8	12.0	3.6	115	0.9	571.2	25.7	33.3	63.0
REP AERHL225039	QC																				
AERHL225043	Stream Sedim	1.11	801	<1	10.9	4.7	12.2	7.4	12.0	75.1	1	111.4	0.9	11.4	4.0	108	1.3	268.7	21.7	29.5	56.5
REP AERHL225043	QC																				
AERHL225044	Stream Sedim	1.14	796	5	11.5	6.6	15.5	6.8	13.9	109.6	2	145.7	1.1	11.3	7.7	164	0.9	268.3	25.3	36.8	71.2
REP AERHL225044	QC		776	<1	12.0	6.6	15.5	6.8	14.0	105.8	2	145.3	1.0	12.0	7.4	156	1.4	253.5	24.7	36.9	69.7
AERHL225062	Stream Sedim	1.27	569	2	8.1	4.4	11.8	6.6	10.9	80.1	1	166.6	0.8	8.7	3.0	109	1.0	262.5	20.8	28.1	54.1
REP AERHL225062	QC		560	<1	7.7	4.5	12.1	6.6	10.8	78.0	1	162.6	0.8	9.9	2.5	98	1.1	256.3	19.1	26.9	52.2
AERHL225063	Stream Sedim	1.35	609	1	8.9	5.8	14.9	6.7	12.0	109.1	2	155.4	0.8	11.1	3.2	136	1.4	260.2	20.9	31.4	59.1



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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
AERCL227087	Stream Sedim	9.55	35.7	6.34	1.13	5.65	0.86	5.26	1.12	3.58	0.51	3.72	0.64	0.2	5.3	6.4	41	8.0	3.4	<0.1	0.2
REP AERCL227087	QC																				
AERCL227099	Stream Sedim	7.61	28.2	5.25	1.05	4.80	0.76	4.70	0.96	2.90	0.46	2.98	0.49	0.8	17.2	13.7	88	19.2	6.3	0.2	0.2
REP AERCL227099	QC																				
AERCL227103	Stream Sedim	9.89	36.6	6.57	1.25	5.98	0.94	6.13	1.26	3.84	0.60	4.16	0.66	1.0	12.1	9.2	54	20.0	6.9	0.2	0.2
REP AERCL227103	QC													1.0	11.9	9.1	53	19.8	6.8	0.2	0.1
AERCL227122	Stream Sedim	11.65	42.3	7.81	1.32	7.22	1.07	6.36	1.35	4.21	0.66	4.44	0.75	0.4	8.6	8.0	47	14.4	6.3	0.1	0.1
REP AERCL227122	QC	10.64	38.6	7.23	1.31	6.71	1.05	6.11	1.32	4.43	0.65	4.69	0.76								
AERCL227123	Stream Sedim	6.90	25.5	4.94	1.03	4.48	0.70	4.12	0.92	2.68	0.41	2.78	0.43	0.6	20.6	12.1	88	30.2	11.9	0.2	0.2
REP AERCL227123	QC																				
AERHL225003	Stream Sedim	7.46	27.6	5.38	1.16	5.20	0.78	4.30	0.91	2.65	0.41	2.77	0.40	2.9	28.8	11.4	154	24.4	13.3	1.2	0.5
REP AERHL225003	QC																				
AERHL225006	Stream Sedim	7.09	26.7	4.93	0.98	4.46	0.70	4.12	0.87	2.61	0.38	2.44	0.39	1.4	20.2	11.2	120	19.2	9.0	0.5	0.2
REP AERHL225006	QC													1.4	20.3	11.4	119	19.2	9.2	0.5	0.2
AERHL225024	Stream Sedim	7.24	28.7	5.13	1.09	4.99	0.73	4.50	0.89	2.68	0.39	2.52	0.38	3.4	33.4	12.3	167	26.1	12.7	1.5	0.4
REP AERHL225024	QC																				
AERHL225026	Stream Sedim	7.22	26.9	5.01	0.90	4.45	0.67	4.08	0.90	2.81	0.40	2.86	0.45	0.9	14.1	8.9	97	16.5	3.9	0.4	0.1
REP AERHL225026	QC	7.41	27.9	4.88	0.89	4.23	0.63	3.82	0.85	2.54	0.36	2.58	0.42								
AERHL225027	Stream Sedim	7.59	28.2	5.16	0.96	4.37	0.70	3.90	0.84	2.42	0.36	2.35	0.37	1.5	17.4	12.4	92	23.1	7.7	0.4	0.2
REP AERHL225027	QC																				
AERHL225039	Stream Sedim	7.70	28.1	5.42	0.97	4.64	0.74	4.26	0.93	2.76	0.42	2.88	0.52	1.1	15.9	10.4	76	19.7	6.9	0.3	0.2
REP AERHL225039	QC																				
AERHL225043	Stream Sedim	6.86	25.1	4.73	0.93	4.06	0.67	3.87	0.83	2.47	0.34	2.46	0.41	0.8	18.2	13.5	78	18.8	8.8	0.2	0.1
REP AERHL225043	QC													0.8	18.4	13.5	80	19.2	8.8	0.2	0.1
AERHL225044	Stream Sedim	7.99	31.2	5.54	1.07	4.82	0.73	4.18	0.88	2.58	0.39	2.65	0.41	4.3	26.6	14.0	147	26.3	10.8	0.8	0.3
REP AERHL225044	QC	7.90	29.5	5.34	1.12	4.94	0.70	4.14	0.89	2.77	0.39	2.52	0.41								
AERHL225062	Stream Sedim	6.40	23.9	4.26	0.84	3.88	0.59	3.67	0.74	2.24	0.31	2.10	0.35	1.1	15.8	9.9	87	16.2	9.9	0.4	0.2
REP AERHL225062	QC	6.30	23.0	4.05	0.82	3.93	0.57	3.52	0.68	2.14	0.31	2.01	0.34								
AERHL225063	Stream Sedim	7.03	25.7	4.79	0.94	3.94	0.64	3.84	0.79	2.32	0.34	2.31	0.36	1.3	16.0	11.1	109	21.0	5.9	0.3	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
AERCL227087	Stream Sedim	<0.1	<0.1	0.7	0.02	<0.1	<0.5	73.93	8.63	4.52	0.96	1.20	0.90	1.60	0.69	0.22	0.11	0.009	593	<20	127
REP AERCL227087	QC							74.99	8.28	4.07	0.87	1.09	0.88	1.55	0.69	0.20	0.10	0.010	560	<20	122
AERCL227099	Stream Sedim	0.3	0.1	2.3	0.10	0.2	0.5	71.20	11.38	3.65	0.99	0.57	0.81	2.19	0.74	0.16	0.04	0.012	759	20	118
REP AERCL227099	QC																				
AERCL227103	Stream Sedim	<0.1	<0.1	<0.5	0.03	0.2	<0.5	76.42	8.99	3.61	0.92	1.08	1.01	1.70	0.83	0.18	0.05	0.012	629	<20	129
REP AERCL227103	QC	<0.1	<0.1	1.2	0.04	0.2	<0.5														
AERCL227122	Stream Sedim	<0.1	<0.1	<0.5	0.04	<0.1	0.6	70.15	8.17	4.47	1.67	2.77	0.82	1.55	0.74	0.20	0.08	0.013	475	<20	136
REP AERCL227122	QC																				
AERCL227123	Stream Sedim	0.2	<0.1	1.0	0.06	0.2	<0.5	66.90	12.60	5.21	1.35	1.00	0.98	1.91	0.79	0.20	0.04	0.015	827	31	160
REP AERCL227123	QC							66.87	12.69	5.17	1.34	0.99	0.99	1.92	0.79	0.20	0.04	0.016	822	31	161
AERHL225003	Stream Sedim	0.2	0.4	2.4	0.08	0.2	2.1	56.12	10.43	4.64	3.69	4.93	0.55	2.11	0.55	0.23	0.05	0.009	788	25	122
REP AERHL225003	QC																				
AERHL225006	Stream Sedim	0.2	0.3	1.8	0.09	0.2	1.0	62.25	10.93	4.17	2.29	3.04	0.55	2.08	0.62	0.18	0.07	0.010	803	21	122
REP AERHL225006	QC	0.2	0.3	1.8	0.09	0.2	0.9														
AERHL225024	Stream Sedim	0.2	0.5	2.3	0.09	0.3	2.2	62.82	10.87	4.44	2.15	2.72	0.57	2.16	0.60	0.21	0.06	0.010	864	21	122
REP AERHL225024	QC							62.65	10.87	4.53	2.20	2.74	0.57	2.20	0.60	0.20	0.06	0.009	867	20	123
AERHL225026	Stream Sedim	0.1	0.2	1.3	0.06	0.2	0.5	69.68	10.48	3.49	1.30	1.72	0.74	1.98	0.62	0.18	0.03	0.011	627	<20	122
REP AERHL225026	QC																				
AERHL225027	Stream Sedim	0.2	0.1	1.1	0.05	0.2	0.8	66.08	11.53	4.58	1.39	1.58	0.67	2.10	0.67	0.19	0.08	0.010	714	25	117
REP AERHL225027	QC							65.97	11.58	4.59	1.40	1.59	0.68	2.11	0.68	0.20	0.08	0.011	721	22	118
AERHL225039	Stream Sedim	0.2	0.1	1.1	0.05	0.2	0.7	66.92	9.78	3.85	1.87	2.74	0.72	1.88	0.62	0.17	0.06	0.009	657	25	116
REP AERHL225039	QC																				
AERHL225043	Stream Sedim	0.2	0.1	1.0	0.03	0.1	0.7	66.81	11.94	5.13	0.99	0.91	0.56	1.87	0.65	0.14	0.07	0.010	857	22	121
REP AERHL225043	QC	0.2	0.1	1.0	0.03	0.1	0.6														
AERHL225044	Stream Sedim	0.2	0.4	2.2	0.06	0.3	1.9	62.66	13.06	4.37	1.34	1.34	0.48	2.12	0.64	0.19	0.02	0.012	800	32	138
REP AERHL225044	QC																				
AERHL225062	Stream Sedim	0.2	0.2	1.2	0.03	0.2	0.9	61.88	10.78	5.18	1.25	2.95	0.69	1.86	0.58	0.25	0.04	0.009	594	25	176
REP AERHL225062	QC																				
AERHL225063	Stream Sedim	0.2	0.2	1.1	0.03	0.2	0.7	62.51	12.93	4.56	1.55	2.05	0.69	2.21	0.63	0.21	0.04	0.011	627	26	161



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QUALITY CONTROL REPORT

VAN22003126.1

		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
AERCL227087	Stream Sedim	985	28	16	8	7.0	99.94	0.31	6.05	7.29	47.8	53	9.8	6.5	665	2.16	5.0	0.7	5.7	5.3	27.5
REP AERCL227087	QC	1071	30	19	8	7.0	99.94														
AERCL227099	Stream Sedim	522	27	17	11	8.0	99.93	0.66	15.71	11.35	77.3	106	17.8	10.2	296	1.86	6.0	1.3	1.5	5.2	38.5
REP AERCL227099	QC							0.71	15.75	11.50	80.3	107	18.4	10.2	297	1.85	6.2	1.3	1.1	5.3	39.6
AERCL227103	Stream Sedim	966	34	18	9	4.9	99.93	1.03	12.49	8.36	52.9	68	19.4	8.3	281	1.84	6.8	1.2	1.0	5.3	29.8
REP AERCL227103	QC																				
AERCL227122	Stream Sedim	1694	37	18	8	9.0	99.93	0.45	9.48	7.99	50.6	58	15.4	7.1	516	2.43	6.3	0.9	0.9	5.1	38.0
REP AERCL227122	QC																				
AERCL227123	Stream Sedim	509	24	15	12	8.7	99.92	0.73	21.40	10.65	89.9	74	30.8	13.6	280	2.74	11.3	1.0	1.5	4.0	61.7
REP AERCL227123	QC	490	25	14	12	8.7	99.92														
AERHL225003	Stream Sedim	255	27	14	10	16.4	99.87	2.93	27.72	11.99	149.6	445	23.4	9.8	390	2.47	14.0	2.4	2.2	5.8	53.3
REP AERHL225003	QC							3.04	27.83	12.32	154.2	446	23.8	9.9	389	2.47	14.1	2.5	1.9	6.1	53.6
AERHL225006	Stream Sedim	274	25	14	11	13.6	99.89	1.49	20.40	12.56	120.3	315	18.9	9.2	494	2.10	9.2	1.7	1.9	6.2	50.4
REP AERHL225006	QC																				
AERHL225024	Stream Sedim	289	28	18	11	13.1	99.88	3.56	34.26	12.80	169.7	544	26.5	10.5	469	2.43	13.4	2.1	2.4	5.6	54.1
REP AERHL225024	QC	281	27	18	11	13.1	99.88														
AERHL225026	Stream Sedim	551	24	19	10	9.5	99.93	0.87	14.31	9.22	99.3	178	16.5	7.6	156	1.77	4.1	1.4	1.1	6.1	38.3
REP AERHL225026	QC																				
AERHL225027	Stream Sedim	406	25	15	11	10.9	99.91	1.51	17.76	12.93	92.4	151	23.1	11.6	583	2.42	8.1	2.0	1.6	6.3	36.7
REP AERHL225027	QC	389	26	19	11	10.9	99.91														
AERHL225039	Stream Sedim	638	27	14	9	11.1	99.91	0.99	15.46	10.66	74.8	133	19.1	8.4	382	1.92	6.8	1.5	1.0	6.2	33.5
REP AERHL225039	QC							1.01	15.41	10.32	74.3	129	18.7	8.3	380	1.89	6.6	1.5	1.0	6.0	32.6
AERHL225043	Stream Sedim	325	23	15	10	10.7	99.93	0.87	18.42	13.98	80.9	114	18.7	10.8	478	2.59	9.0	1.9	0.9	6.1	60.1
REP AERHL225043	QC																				
AERHL225044	Stream Sedim	271	23	18	12	13.5	99.90	4.21	24.87	13.66	139.1	333	24.6	9.6	145	2.17	10.2	3.9	1.9	6.3	67.7
REP AERHL225044	QC																				
AERHL225062	Stream Sedim	289	21	14	9	14.3	99.93	1.10	15.09	9.95	83.6	169	15.3	7.0	264	2.82	9.4	0.9	1.1	4.9	102.3
REP AERHL225062	QC																				
AERHL225063	Stream Sedim	277	21	14	11	12.4	99.91	1.25	15.35	10.67	104.7	186	19.5	8.3	275	2.38	5.6	1.1	1.0	6.2	79.1



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QUALITY CONTROL REPORT

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		AQ251 Cd ppm 0.01	AQ251 Sb ppm 0.02	AQ251 Bi ppm 0.02	AQ251 V ppm 1	AQ251 Ca % 0.01	AQ251 P % 0.001	AQ251 La ppm 0.5	AQ251 Cr ppm 0.5	AQ251 Mg % 0.01	AQ251 Ba ppm 0.5	AQ251 Ti % 0.001	AQ251 B ppm 1	AQ251 Al % 0.01	AQ251 Na % 0.001	AQ251 K % 0.01	AQ251 W ppm 0.1	AQ251 Sc ppm 0.1	AQ251 Ti ppm 0.02	AQ251 S % 0.02	AQ251 Hg ppb 5
AERCL227087	Stream Sedim	0.08	0.18	0.08	19	0.46	0.085	16.8	13.1	0.30	132.6	0.006	7	0.70	0.007	0.09	<0.1	2.3	0.11	0.22	27
REP AERCL227087	QC																				
AERCL227099	Stream Sedim	0.13	0.34	0.21	26	0.28	0.062	13.9	16.3	0.28	157.6	0.004	8	0.83	0.010	0.11	<0.1	3.2	0.17	0.14	78
REP AERCL227099	QC	0.13	0.38	0.21	26	0.28	0.063	14.3	16.8	0.29	158.3	0.004	8	0.84	0.010	0.12	<0.1	3.3	0.18	0.15	71
AERCL227103	Stream Sedim	0.20	0.26	0.11	24	0.48	0.072	17.2	14.6	0.31	142.7	0.008	5	0.68	0.006	0.09	<0.1	2.6	0.15	0.08	34
REP AERCL227103	QC																				
AERCL227122	Stream Sedim	0.13	0.23	0.10	24	1.67	0.080	16.4	15.8	0.78	109.5	0.012	8	0.77	0.009	0.11	<0.1	2.8	0.11	0.33	34
REP AERCL227122	QC																				
AERCL227123	Stream Sedim	0.15	0.36	0.15	36	0.50	0.079	13.1	23.1	0.46	205.0	0.007	6	1.23	0.007	0.14	<0.1	4.6	0.14	0.08	46
REP AERCL227123	QC																				
AERHL225003	Stream Sedim	1.16	0.49	0.18	37	3.20	0.098	15.9	16.8	1.85	283.8	0.005	13	0.96	0.015	0.17	<0.1	4.0	0.20	0.14	88
REP AERHL225003	QC	1.17	0.51	0.19	37	3.29	0.096	16.1	17.2	1.87	284.3	0.004	13	0.96	0.015	0.17	<0.1	4.0	0.20	0.13	84
AERHL225006	Stream Sedim	0.54	0.27	0.18	36	1.92	0.075	16.3	17.7	1.06	256.7	0.003	10	1.01	0.013	0.15	<0.1	3.8	0.18	0.11	89
REP AERHL225006	QC																				
AERHL225024	Stream Sedim	1.52	0.50	0.20	36	1.74	0.086	15.6	16.8	0.97	319.8	0.004	13	0.85	0.014	0.16	<0.1	4.1	0.23	0.19	93
REP AERHL225024	QC																				
AERHL225026	Stream Sedim	0.40	0.15	0.13	32	0.98	0.072	15.3	19.4	0.51	143.8	0.004	9	1.15	0.016	0.14	<0.1	3.4	0.19	0.25	34
REP AERHL225026	QC																				
AERHL225027	Stream Sedim	0.34	0.25	0.19	34	0.92	0.076	17.9	20.1	0.53	205.6	0.006	8	1.15	0.007	0.16	<0.1	3.7	0.20	0.13	57
REP AERHL225027	QC																				
AERHL225039	Stream Sedim	0.28	0.22	0.16	28	1.63	0.069	17.1	17.0	0.81	201.6	0.006	9	0.90	0.007	0.14	<0.1	3.0	0.16	0.23	49
REP AERHL225039	QC	0.29	0.22	0.15	29	1.65	0.066	16.7	16.6	0.80	196.1	0.006	9	0.90	0.007	0.14	<0.1	3.0	0.15	0.23	43
AERHL225043	Stream Sedim	0.20	0.17	0.24	22	0.55	0.051	17.0	12.9	0.27	411.8	0.002	9	0.85	0.021	0.14	<0.1	3.4	0.12	0.20	23
REP AERHL225043	QC																				
AERHL225044	Stream Sedim	0.79	0.35	0.22	41	0.83	0.072	15.8	19.8	0.41	305.4	0.002	9	1.25	0.011	0.18	<0.1	4.2	0.26	0.19	53
REP AERHL225044	QC																				
AERHL225062	Stream Sedim	0.37	0.21	0.16	27	1.85	0.099	14.0	16.4	0.44	154.0	0.003	14	1.05	0.076	0.14	<0.1	3.2	0.15	0.39	34
REP AERHL225062	QC																				
AERHL225063	Stream Sedim	0.28	0.19	0.17	39	1.30	0.082	14.8	24.3	0.56	157.5	0.004	13	1.43	0.080	0.19	<0.1	4.2	0.17	0.34	29



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QUALITY CONTROL REPORT

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		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	AQ251 Li ppm 0.1	AQ251 Pr ppm 0.02	AQ251 Nd ppm 0.02	AQ251 Sm ppm 0.02
AERCL227087	Stream Sedim	0.2	<0.02	2.3	0.57	<0.1	0.04	0.26	11.2	0.4	<0.05	2.6	8.38	36.2	<0.02	<1	0.5	9.5	4.25	15.95	3.00
REP AERCL227087	QC																				
AERCL227099	Stream Sedim	0.5	0.04	3.0	1.22	<0.1	0.08	0.28	15.6	0.5	<0.05	4.6	9.27	29.9	0.04	1	0.6	14.9	3.50	14.02	2.93
REP AERCL227099	QC	0.6	0.06	3.1	1.29	<0.1	0.07	0.26	16.3	0.6	<0.05	4.2	9.80	30.5	0.03	2	0.6	15.3	3.59	14.45	3.01
AERCL227103	Stream Sedim	0.4	0.03	2.3	0.68	<0.1	0.09	0.21	9.5	0.4	<0.05	5.0	11.09	35.5	<0.02	1	0.5	9.4	4.28	17.08	3.38
REP AERCL227103	QC																				
AERCL227122	Stream Sedim	0.4	0.03	2.5	0.59	<0.1	0.15	0.35	8.8	0.4	<0.05	7.7	10.34	34.7	<0.02	1	0.4	11.9	4.06	16.10	3.18
REP AERCL227122	QC																				
AERCL227123	Stream Sedim	0.7	0.05	3.9	1.07	<0.1	0.10	0.19	15.0	0.4	<0.05	5.6	10.77	28.0	0.03	1	0.6	17.4	3.33	13.89	2.91
REP AERCL227123	QC																				
AERHL225003	Stream Sedim	1.8	0.07	2.9	0.85	<0.1	0.12	0.39	15.8	0.5	<0.05	6.0	15.36	32.6	0.04	5	0.7	13.5	4.35	17.38	3.81
REP AERHL225003	QC	1.9	0.07	3.0	0.89	<0.1	0.11	0.37	15.3	0.5	<0.05	5.7	15.57	33.3	0.03	6	0.7	13.7	4.33	17.79	3.94
AERHL225006	Stream Sedim	0.9	0.05	3.3	0.78	<0.1	0.10	0.38	16.2	0.6	<0.05	5.1	12.98	33.5	0.03	3	0.7	14.0	4.36	17.02	3.63
REP AERHL225006	QC																				
AERHL225024	Stream Sedim	2.2	0.06	2.9	1.04	<0.1	0.12	0.35	16.2	0.8	<0.05	6.1	15.58	32.3	0.03	5	0.7	12.5	4.19	17.45	3.80
REP AERHL225024	QC																				
AERHL225026	Stream Sedim	0.5	0.04	3.7	0.73	<0.1	0.12	0.41	17.1	0.5	<0.05	5.1	9.88	32.4	0.02	2	0.6	16.4	4.02	15.03	2.99
REP AERHL225026	QC																				
AERHL225027	Stream Sedim	0.6	0.04	3.7	1.02	<0.1	0.09	0.39	17.7	0.5	<0.05	4.5	10.80	37.6	0.03	2	0.7	15.0	4.55	17.51	3.45
REP AERHL225027	QC																				
AERHL225039	Stream Sedim	0.6	0.04	2.8	0.85	<0.1	0.12	0.42	14.8	0.4	<0.05	6.0	11.24	35.9	0.02	3	0.6	12.4	4.52	16.72	3.36
REP AERHL225039	QC	0.6	0.04	2.8	0.84	<0.1	0.11	0.41	14.5	0.4	<0.05	6.0	10.89	34.3	0.02	3	0.6	12.1	4.41	16.32	3.21
AERHL225043	Stream Sedim	0.7	0.04	2.8	1.20	<0.1	0.09	0.19	15.7	0.6	<0.05	5.1	11.87	36.4	0.03	<1	0.7	8.1	4.28	16.72	3.36
REP AERHL225043	QC																				
AERHL225044	Stream Sedim	1.8	0.05	4.1	0.83	<0.1	0.13	0.39	19.2	0.6	<0.05	6.2	11.73	33.7	0.03	7	0.8	16.6	4.09	16.26	3.37
REP AERHL225044	QC																				
AERHL225062	Stream Sedim	0.8	0.04	3.2	0.71	<0.1	0.12	0.35	14.8	0.5	<0.05	5.0	9.72	28.7	0.02	1	0.7	14.5	3.45	13.75	2.79
REP AERHL225062	QC																				
AERHL225063	Stream Sedim	0.5	0.03	4.5	0.89	<0.1	0.16	0.39	22.2	0.6	<0.05	7.0	10.03	31.0	0.03	2	0.8	22.5	3.64	14.51	2.92



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QUALITY CONTROL REPORT

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		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
AERCL227087	Stream Sedim	0.49	2.36	0.31	1.70	0.29	0.78	0.10	0.61	0.08	<10	<2
REP AERCL227087	QC											
AERCL227099	Stream Sedim	0.55	2.56	0.33	1.96	0.33	0.87	0.11	0.67	0.09	<10	<2
REP AERCL227099	QC	0.56	2.65	0.35	1.99	0.34	0.90	0.11	0.69	0.09	<10	<2
AERCL227103	Stream Sedim	0.60	2.89	0.38	2.17	0.38	1.00	0.13	0.78	0.11	<10	<2
REP AERCL227103	QC											
AERCL227122	Stream Sedim	0.59	2.74	0.36	2.05	0.36	0.97	0.13	0.78	0.11	<10	<2
REP AERCL227122	QC											
AERCL227123	Stream Sedim	0.62	2.65	0.35	2.03	0.36	0.96	0.13	0.79	0.11	<10	<2
REP AERCL227123	QC											
AERHL225003	Stream Sedim	0.77	3.61	0.49	2.86	0.51	1.30	0.16	0.94	0.13	<10	<2
REP AERHL225003	QC	0.80	3.75	0.50	2.90	0.51	1.33	0.17	0.97	0.13	<10	<2
AERHL225006	Stream Sedim	0.72	3.35	0.44	2.59	0.45	1.14	0.14	0.86	0.11	<10	<2
REP AERHL225006	QC											
AERHL225024	Stream Sedim	0.78	3.68	0.49	2.88	0.50	1.31	0.16	0.95	0.13	<10	<2
REP AERHL225024	QC											
AERHL225026	Stream Sedim	0.54	2.58	0.33	1.92	0.33	0.86	0.11	0.65	0.09	<10	<2
REP AERHL225026	QC											
AERHL225027	Stream Sedim	0.62	2.96	0.38	2.14	0.37	0.98	0.12	0.76	0.10	<10	<2
REP AERHL225027	QC											
AERHL225039	Stream Sedim	0.60	2.90	0.39	2.15	0.37	0.98	0.12	0.77	0.10	<10	<2
REP AERHL225039	QC	0.58	2.82	0.38	2.09	0.36	0.94	0.12	0.73	0.10	<10	<2
AERHL225043	Stream Sedim	0.64	3.00	0.41	2.28	0.40	1.06	0.14	0.86	0.11	<10	<2
REP AERHL225043	QC											
AERHL225044	Stream Sedim	0.66	3.06	0.42	2.30	0.40	1.04	0.13	0.77	0.10	<10	<2
REP AERHL225044	QC											
AERHL225062	Stream Sedim	0.55	2.52	0.34	1.89	0.33	0.84	0.11	0.64	0.09	<10	<2
REP AERHL225062	QC											
AERHL225063	Stream Sedim	0.58	2.59	0.35	1.93	0.34	0.89	0.11	0.67	0.09	<10	<2



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QUALITY CONTROL REPORT

VAN22003126.1

		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
REP AERHL225063	QC																				
AERHL225075	Stream Sedim	2.14	671	<1	22.2	4.7	13.2	7.5	12.3	88.1	1	128.0	0.8	10.9	3.9	128	1.5	286.8	21.0	30.4	59.5
REP AERHL225075	QC																				
AERHL225078	Stream Sedim	0.99	687	<1	11.6	4.8	12.8	6.9	11.0	81.0	2	123.7	0.8	10.4	3.4	133	1.1	252.9	23.5	30.1	59.2
REP AERHL225078	QC																				
AERHL225097	Stream Sedim	2.38	797	<1	10.8	4.9	12.5	10.0	13.3	91.9	2	127.5	0.9	11.9	4.6	145	1.2	395.8	26.7	35.1	64.9
REP AERHL225097	QC		812	<1	11.0	5.0	13.1	10.8	13.9	91.3	2	127.6	0.9	12.1	4.7	151	1.3	397.5	27.2	35.6	65.1
AERHL225098	Stream Sedim	2.73	683	1	11.0	6.0	17.5	6.6	13.0	118.1	2	154.7	1.1	13.8	3.2	150	1.1	250.2	25.4	40.6	77.3
REP AERHL225098	QC																				
AERHL225112	Rock Pulp	0.07	452	2	47.1	2.0	13.4	3.8	16.0	36.8	6	371.9	0.4	3.8	0.7	64	0.6	155.9	11.0	29.9	54.1
REP AERHL225112	QC																				
AERHL225114	Stream Sedim	1.61	727	3	8.2	4.1	11.9	9.9	11.7	78.6	2	125.4	0.9	9.6	2.8	113	1.3	386.6	22.8	29.6	57.6
REP AERHL225114	QC																				
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD DS11	Standard																				
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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
REP AERHL225063	QC																				
AERHL225075	Stream Sedim	7.08	25.4	4.61	0.90	3.99	0.61	3.52	0.79	2.32	0.37	2.28	0.38	0.6	11.9	11.7	141	24.1	8.6	0.2	0.1
REP AERHL225075	QC													0.6	11.4	11.8	143	23.6	8.9	0.2	0.1
AERHL225078	Stream Sedim	7.01	27.3	5.04	1.05	4.37	0.70	4.25	0.87	2.51	0.38	2.65	0.38	0.8	22.6	10.1	99	28.1	8.1	0.4	0.2
REP AERHL225078	QC													0.8	22.7	10.1	99	28.2	8.3	0.4	0.2
AERHL225097	Stream Sedim	7.98	30.0	5.54	1.16	5.28	0.78	4.60	0.96	2.87	0.46	2.91	0.46	2.1	23.8	12.3	122	23.8	9.3	0.7	0.2
REP AERHL225097	QC	8.05	30.5	5.65	1.10	5.18	0.80	4.67	0.99	3.05	0.43	3.06	0.48								
AERHL225098	Stream Sedim	9.15	33.1	6.25	1.20	5.15	0.78	4.62	0.93	2.81	0.39	2.60	0.40	0.2	21.1	13.5	115	27.1	5.9	0.1	<0.1
REP AERHL225098	QC																				
AERHL225112	Rock Pulp	6.42	23.6	3.67	0.94	2.67	0.36	1.94	0.40	1.04	0.15	0.97	0.16	11.9	149.5	260.0	207	76.9	8.9	0.5	0.2
REP AERHL225112	QC																				
AERHL225114	Stream Sedim	6.81	25.8	4.78	0.94	4.22	0.65	4.09	0.83	2.47	0.37	2.54	0.39	0.6	19.9	11.4	92	20.3	7.2	0.3	0.2
REP AERHL225114	QC													0.6	20.1	11.3	92	20.8	7.3	0.3	0.2
Reference Materials																					
STD BVGEO01	Standard													9.7	4405.4	176.8	1737	155.9	117.5	5.8	2.5
STD BVGEO01	Standard													9.3	4383.4	189.6	1732	166.0	122.5	6.2	2.3
STD BVGEO01	Standard													9.6	4215.9	169.2	1658	153.8	117.8	5.7	2.6
STD BVGEO01	Standard													10.0	4519.7	181.7	1786	153.9	122.1	6.1	2.3
STD BVGEO01	Standard													10.2	4390.4	178.4	1749	162.8	121.5	6.2	2.6
STD BVGEO01	Standard													10.1	4438.2	175.2	1763	170.8	120.5	6.0	2.1
STD BVGEO01	Standard													10.1	4479.1	175.9	1759	165.8	124.3	6.0	2.6
STD BVGEO01	Standard													10.3	4422.6	190.0	1783	160.6	121.3	6.5	2.1
STD BVGEO01	Standard													10.7	4148.3	179.3	1637	151.8	118.5	6.1	2.2
STD BVGEO01	Standard													10.8	4336.1	194.4	1677	151.6	121.9	6.6	2.6
STD BVGEO01	Standard													10.3	4233.3	171.8	1651	151.6	115.0	6.2	2.4
STD DS11	Standard																				
STD DS11	Standard																				
STD DS11	Standard																				
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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	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
REP AERHL225063	QC							62.44	12.92	4.65	1.58	2.07	0.68	2.19	0.63	0.21	0.04	0.012	639	23	161
AERHL225075	Stream Sedim	0.1	0.2	0.9	0.05	0.2	0.7	65.56	11.37	5.73	1.12	1.12	0.63	2.02	0.63	0.33	0.35	0.011	741	26	135
REP AERHL225075	QC	0.2	0.2	0.6	0.05	0.2	0.7														
AERHL225078	Stream Sedim	0.2	0.2	1.4	0.05	0.2	0.9	63.34	11.37	4.29	1.49	1.79	0.77	2.22	0.61	0.28	0.09	0.011	770	28	134
REP AERHL225078	QC	0.2	0.2	1.1	0.05	0.2	1.0														
AERHL225097	Stream Sedim	0.2	0.3	1.7	0.07	0.2	1.3	66.66	11.10	4.16	1.39	1.69	0.62	2.07	0.68	0.19	0.06	0.011	811	23	125
REP AERHL225097	QC																				
AERHL225098	Stream Sedim	0.2	0.2	2.3	0.04	0.2	<0.5	64.43	14.73	4.74	1.58	0.94	0.63	2.68	0.67	0.31	0.03	0.013	704	28	160
REP AERHL225098	QC							64.63	14.68	4.69	1.57	0.93	0.62	2.62	0.66	0.32	0.03	0.013	705	22	158
AERHL225112	Rock Pulp	0.1	0.1	33.1	0.01	<0.1	<0.5	71.67	12.16	4.06	1.74	3.33	3.42	1.48	0.39	0.14	0.07	0.014	473	80	401
REP AERHL225112	QC																				
AERHL225114	Stream Sedim	0.2	0.2	0.9	0.06	0.1	0.9	65.12	10.49	4.33	1.26	2.45	0.62	1.94	0.62	0.25	0.07	0.010	786	20	135
REP AERHL225114	QC	0.2	0.2	1.1	0.05	0.2	0.9														
Reference Materials																					
STD BVGEO01	Standard	22.3	2.5	214.2	0.08	0.6	4.8														
STD BVGEO01	Standard	22.3	2.5	218.9	0.11	0.7	4.9														
STD BVGEO01	Standard	22.5	2.4	200.8	0.09	0.6	4.8														
STD BVGEO01	Standard	23.3	2.5	205.2	0.08	0.6	5.0														
STD BVGEO01	Standard	23.3	2.5	205.8	0.10	0.6	4.9														
STD BVGEO01	Standard	22.4	2.4	196.9	0.09	0.6	5.1														
STD BVGEO01	Standard	23.9	2.5	215.4	0.08	0.6	4.9														
STD BVGEO01	Standard	23.1	2.7	217.5	0.08	0.6	4.8														
STD BVGEO01	Standard	21.8	2.6	214.9	0.09	0.6	5.0														
STD BVGEO01	Standard	25.3	2.7	220.1	0.09	0.6	4.3														
STD BVGEO01	Standard	22.4	2.6	203.4	0.10	0.6	4.9														
STD DS11	Standard																				
STD DS11	Standard																				
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QUALITY CONTROL REPORT

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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	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	AQ251 U ppm 0.1	AQ251 Au ppb 0.2	AQ251 Th ppm 0.1	AQ251 Sr ppm 0.5
REP AERHL225063	QC	275	21	17	12	12.4	99.92														
AERHL225075	Stream Sedim	325	23	21	11	10.9	99.91	0.75	10.98	12.15	142.1	185	23.0	22.5	2598	3.08	8.2	2.0	2.1	6.4	55.0
REP AERHL225075	QC							0.75	11.67	12.23	138.8	187	23.8	23.8	2592	3.06	8.5	2.0	1.6	6.5	55.4
AERHL225078	Stream Sedim	293	26	19	11	13.5	99.91	0.80	21.37	11.37	95.4	178	25.1	10.5	616	2.13	8.7	1.8	1.7	5.7	54.0
REP AERHL225078	QC																				
AERHL225097	Stream Sedim	426	27	18	11	11.1	99.90	2.27	22.67	13.57	116.2	320	22.2	10.0	402	2.17	9.5	2.3	2.3	6.8	48.0
REP AERHL225097	QC																				
AERHL225098	Stream Sedim	272	26	18	13	9.0	99.90	0.19	20.24	14.87	106.8	176	25.5	10.2	215	2.44	6.1	0.9	1.5	9.3	52.3
REP AERHL225098	QC	266	26	16	13	9.0	99.90														
AERHL225112	Rock Pulp	166	11	20	9	1.3	99.87	11.92	153.52	260.97	204.7	101	78.7	48.6	290	1.66	9.1	0.4	35.2	3.0	36.7
REP AERHL225112	QC							11.97	152.68	268.68	207.5	105	77.1	49.2	293	1.68	9.0	0.4	36.9	3.1	37.2
AERHL225114	Stream Sedim	419	25	17	10	12.6	99.93	0.64	19.32	11.12	91.0	200	20.4	8.0	488	2.22	7.1	1.1	1.6	4.4	62.4
REP AERHL225114	QC																				
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD DS11	Standard							14.36	146.20	130.10	338.3	1685	80.9	13.8	1027	3.09	43.6	2.2	77.8	7.0	65.6
STD DS11	Standard							14.15	148.94	131.03	336.7	1692	78.0	13.2	1033	3.13	43.1	2.3	72.1	7.2	67.4
STD DS11	Standard							14.21	144.80	129.94	331.1	1688	78.5	13.6	1014	3.07	42.0	2.4	71.1	7.2	63.2
STD DS11	Standard							14.46	143.05	131.37	339.0	1702	76.5	13.6	1022	3.15	43.2	2.5	95.8	7.6	70.5



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QUALITY CONTROL REPORT

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		AQ251 Cd ppm 0.01	AQ251 Sb ppm 0.02	AQ251 Bi ppm 0.02	AQ251 V ppm 1	AQ251 Ca % 0.01	AQ251 P % 0.001	AQ251 La ppm 0.5	AQ251 Cr ppm 0.5	AQ251 Mg % 0.01	AQ251 Ba ppm 0.5	AQ251 Ti % 0.001	AQ251 B ppm 1	AQ251 Al % 0.01	AQ251 Na % 0.001	AQ251 K % 0.01	AQ251 W ppm 0.1	AQ251 Sc ppm 0.1	AQ251 Ti ppm 0.02	AQ251 S % 0.02	AQ251 Hg ppb 5
REP AERHL225063	QC																				
AERHL225075	Stream Sedim	0.28	0.25	0.18	38	0.61	0.125	17.3	19.9	0.35	245.0	0.004	10	1.21	0.016	0.17	<0.1	4.0	0.18	0.10	50
REP AERHL225075	QC	0.28	0.23	0.18	38	0.61	0.121	17.6	20.3	0.35	245.9	0.004	10	1.22	0.016	0.17	<0.1	4.2	0.17	0.10	47
AERHL225078	Stream Sedim	0.43	0.31	0.20	37	1.09	0.108	15.7	21.4	0.54	271.1	0.006	13	1.13	0.116	0.19	<0.1	4.0	0.17	0.21	63
REP AERHL225078	QC																				
AERHL225097	Stream Sedim	0.72	0.34	0.21	40	1.01	0.074	18.2	19.2	0.52	297.7	0.004	10	1.08	0.008	0.16	<0.1	4.3	0.22	0.14	80
REP AERHL225097	QC																				
AERHL225098	Stream Sedim	0.10	0.18	0.23	48	0.48	0.112	22.4	33.1	0.54	202.9	0.008	12	1.89	0.019	0.32	<0.1	6.1	0.21	0.04	46
REP AERHL225098	QC																				
AERHL225112	Rock Pulp	0.49	0.19	0.13	27	0.65	0.052	24.5	33.6	0.51	57.8	0.078	2	0.89	0.114	0.13	<0.1	3.2	0.08	0.04	17
REP AERHL225112	QC	0.49	0.19	0.14	27	0.66	0.052	25.4	34.1	0.52	60.0	0.082	2	0.90	0.115	0.13	<0.1	3.2	0.08	0.04	13
AERHL225114	Stream Sedim	0.24	0.22	0.16	33	1.48	0.092	14.8	18.7	0.44	253.0	0.004	12	1.01	0.028	0.18	<0.1	3.6	0.16	0.36	60
REP AERHL225114	QC																				
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
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STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD DS11	Standard	2.24	7.62	11.06	49	1.06	0.070	16.9	59.5	0.85	365.4	0.094	7	1.15	0.072	0.40	2.9	3.1	4.78	0.28	252
STD DS11	Standard	2.23	7.20	10.87	48	1.06	0.069	17.3	58.2	0.85	346.0	0.092	7	1.18	0.079	0.40	2.8	3.2	4.68	0.28	259
STD DS11	Standard	2.25	6.89	10.72	47	1.04	0.069	17.4	59.5	0.83	343.2	0.094	7	1.16	0.077	0.39	2.7	3.1	4.71	0.28	247
STD DS11	Standard	2.17	7.30	10.76	52	1.10	0.072	19.7	59.8	0.84	372.3	0.098	8	1.22	0.082	0.41	2.8	3.3	4.81	0.29	287



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QUALITY CONTROL REPORT

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		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	AQ251 Li ppm 0.1	AQ251 Pr ppm 0.02	AQ251 Nd ppm 0.02	AQ251 Sm ppm 0.02
REP AERHL225063	QC																				
AERHL225075	Stream Sedim	0.7	0.05	4.2	1.11	<0.1	0.06	0.31	19.6	0.6	<0.05	3.9	9.85	35.5	0.04	3	1.1	21.7	4.24	15.85	3.18
REP AERHL225075	QC	0.9	0.07	4.1	1.04	<0.1	0.07	0.32	19.5	0.7	<0.05	4.2	9.99	35.7	0.02	2	1.1	19.7	4.41	15.64	3.07
AERHL225078	Stream Sedim	1.0	0.04	3.8	1.16	<0.1	0.11	0.43	17.0	0.6	<0.05	7.2	12.05	34.0	0.02	3	0.9	17.8	4.36	16.89	3.90
REP AERHL225078	QC																				
AERHL225097	Stream Sedim	1.3	0.08	3.8	1.18	<0.1	0.10	0.38	18.5	0.6	<0.05	5.2	12.77	36.0	0.03	4	0.8	14.5	4.68	19.01	3.66
REP AERHL225097	QC																				
AERHL225098	Stream Sedim	0.4	0.04	5.8	1.38	<0.1	0.20	0.39	27.6	0.7	<0.05	11.2	12.61	45.7	0.03	2	1.0	28.5	5.72	21.32	4.35
REP AERHL225098	QC																				
AERHL225112	Rock Pulp	0.2	<0.02	2.8	1.09	<0.1	0.19	0.43	6.9	2.4	<0.05	6.5	5.72	41.2	0.03	<1	0.2	8.9	4.97	17.42	2.59
REP AERHL225112	QC	0.2	<0.02	2.8	1.12	<0.1	0.19	0.45	6.9	2.5	<0.05	6.8	5.78	42.5	0.04	<1	0.2	8.9	5.02	18.02	2.68
AERHL225114	Stream Sedim	1.2	0.06	3.2	0.94	<0.1	0.06	0.32	17.4	0.5	<0.05	3.3	12.14	30.3	0.03	3	0.7	14.6	3.70	15.57	3.21
REP AERHL225114	QC																				
Reference Materials																					
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
STD BVGEO01	Standard																				
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STD BVGEO01	Standard																				
STD DS11	Standard	2.4	4.85	4.7	2.63	<0.1	0.07	1.54	32.9	1.7	<0.05	3.1	8.10	34.8	0.23	44	0.7	23.5	3.60	14.02	2.49
STD DS11	Standard	2.4	4.64	5.0	2.66	<0.1	0.07	1.61	32.9	1.7	<0.05	3.2	8.28	36.3	0.23	44	0.7	22.0	3.93	14.25	2.52
STD DS11	Standard	2.5	4.85	5.0	2.71	<0.1	0.08	1.52	32.8	1.6	<0.05	3.3	7.97	34.7	0.22	45	0.7	22.1	3.71	13.64	2.43
STD DS11	Standard	2.4	4.77	5.0	2.86	<0.1	0.07	1.61	33.7	1.7	<0.05	3.4	8.71	38.9	0.22	45	0.7	22.8	4.03	15.82	2.77



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Project:

AER

Report Date:

March 07, 2023

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QUALITY CONTROL REPORT

VAN22003126.1

		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 AERHL225063	QC											
AERHL225075	Stream Sedim	0.67	2.86	0.36	2.11	0.35	1.00	0.11	0.75	0.10	<10	<2
REP AERHL225075	QC	0.64	2.78	0.39	2.20	0.39	1.04	0.14	0.76	0.10	<10	<2
AERHL225078	Stream Sedim	0.79	3.56	0.47	2.64	0.46	1.17	0.17	0.96	0.12	<10	<2
REP AERHL225078	QC											
AERHL225097	Stream Sedim	0.78	3.52	0.51	2.77	0.44	1.21	0.16	0.97	0.14	<10	<2
REP AERHL225097	QC											
AERHL225098	Stream Sedim	0.87	3.68	0.50	2.94	0.47	1.23	0.14	0.96	0.12	<10	<2
REP AERHL225098	QC											
AERHL225112	Rock Pulp	0.56	1.72	0.20	1.11	0.19	0.54	0.07	0.46	0.06	44	26
REP AERHL225112	QC	0.59	1.81	0.21	1.16	0.20	0.55	0.07	0.47	0.06	45	26
AERHL225114	Stream Sedim	0.63	2.93	0.39	2.22	0.39	1.03	0.13	0.77	0.10	<10	<2
REP AERHL225114	QC											
Reference Materials												
STD BVGEO01	Standard											
STD BVGEO01	Standard											
STD BVGEO01	Standard											
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STD BVGEO01	Standard											
STD BVGEO01	Standard											
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STD BVGEO01	Standard											
STD DS11	Standard	0.46	2.02	0.26	1.50	0.27	0.77	0.11	0.71	0.10	95	163
STD DS11	Standard	0.50	2.01	0.27	1.52	0.28	0.79	0.11	0.71	0.11	100	164
STD DS11	Standard	0.45	1.99	0.26	1.51	0.28	0.76	0.10	0.70	0.10	97	169
STD DS11	Standard	0.52	2.28	0.28	1.67	0.30	0.85	0.11	0.78	0.11	98	172



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Project: AER
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QUALITY CONTROL REPORT

VAN22003126.1

		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 DS11	Standard																				
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QUALITY CONTROL REPORT

VAN22003126.1

		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
STD DS11	Standard							14.51	149.43	135.42	348.8	1721	78.4	14.3	1044	3.16	44.6	2.4	73.5	7.6	69.5
STD DS11	Standard							15.41	143.53	143.42	337.4	1889	79.7	14.4	1048	3.10	46.7	2.9	65.2	8.8	70.5
STD DS11	Standard							14.81	146.75	136.70	351.3	1796	78.9	14.2	1061	3.16	44.9	2.4	82.3	7.5	70.2
STD DS11	Standard							13.45	136.99	137.70	316.5	1817	74.4	13.3	1023	3.10	43.3	2.6	189.9	9.2	62.2
STD DS11	Standard							14.23	147.35	132.34	347.6	1695	79.9	13.6	1029	3.15	44.3	2.4	71.7	7.5	68.2
STD DS11	Standard							13.84	143.84	128.63	334.2	1670	79.5	13.8	1014	3.08	42.4	2.3	80.0	6.8	62.8
STD DS11	Standard							13.83	144.85	136.31	337.6	1656	76.2	13.5	1007	3.01	42.5	2.4	64.3	7.3	64.0
STD OREAS262	Standard							0.63	111.52	52.71	149.8	457	64.9	26.6	531	3.18	36.0	1.1	54.6	8.5	34.0
STD OREAS262	Standard							0.59	111.06	50.63	146.0	436	60.9	25.8	521	3.18	34.6	1.0	50.0	8.2	33.7
STD OREAS262	Standard							0.61	112.50	55.19	149.4	462	61.8	26.7	531	3.20	35.2	1.2	53.1	8.9	34.4
STD OREAS262	Standard							0.60	116.86	55.25	150.8	463	62.7	27.3	542	3.33	35.5	1.2	56.1	9.0	35.4
STD OREAS262	Standard							0.63	112.81	56.20	158.0	459	63.2	28.6	542	3.31	36.7	1.1	51.1	8.9	35.3
STD OREAS262	Standard							0.62	117.66	56.89	149.7	471	63.2	28.1	546	3.24	37.8	1.2	48.7	10.2	35.2
STD OREAS262	Standard							0.64	117.57	56.05	158.3	473	62.4	27.8	559	3.26	37.4	1.2	52.8	9.4	35.6
STD OREAS262	Standard							0.62	109.52	56.98	147.3	456	56.7	25.2	533	3.20	37.4	1.2	51.8	10.3	32.3
STD OREAS262	Standard																				
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STD OREAS262	Standard																				
STD OREAS262	Standard							0.63	112.86	53.18	155.4	440	62.5	26.6	537	3.26	35.7	1.1	59.0	8.8	34.1
STD OREAS262	Standard																				
STD OREAS262	Standard							0.59	115.98	56.84	153.9	450	63.7	27.7	551	3.31	35.7	1.1	59.2	9.1	33.8
STD OREAS262	Standard							0.61	115.11	57.27	152.8	463	60.5	26.9	519	3.19	35.7	1.1	64.7	8.8	34.9



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QUALITY CONTROL REPORT

VAN22003126.1

		AQ251 Cd ppm 0.01	AQ251 Sb ppm 0.02	AQ251 Bi ppm 0.02	AQ251 V ppm 1	AQ251 Ca % 0.01	AQ251 P % 0.001	AQ251 La ppm 0.5	AQ251 Cr ppm 0.5	AQ251 Mg % 0.01	AQ251 Ba ppm 0.5	AQ251 Ti % 0.001	AQ251 B ppm 1	AQ251 Al % 0.01	AQ251 Na % 0.001	AQ251 K % 0.01	AQ251 W ppm 0.1	AQ251 Sc ppm 0.1	AQ251 Ti ppm 0.02	AQ251 S % 0.02	AQ251 Hg ppb 5
STD DS11	Standard	2.31	7.62	11.36	50	1.09	0.072	18.7	58.8	0.85	383.1	0.092	7	1.18	0.077	0.40	2.8	3.2	4.72	0.29	280
STD DS11	Standard	2.62	8.06	12.14	51	1.09	0.069	20.6	60.3	0.86	393.7	0.097	8	1.21	0.082	0.41	2.9	3.3	5.13	0.29	284
STD DS11	Standard	2.34	7.63	11.54	50	1.09	0.076	18.2	60.1	0.87	374.7	0.096	7	1.18	0.074	0.41	2.9	3.2	4.76	0.28	259
STD DS11	Standard	2.32	6.44	11.31	50	1.06	0.071	17.0	56.9	0.84	368.6	0.089	6	1.16	0.072	0.39	2.7	3.7	4.88	0.28	267
STD DS11	Standard	2.33	8.66	11.05	51	1.07	0.072	17.5	59.5	0.84	367.9	0.096	8	1.20	0.088	0.41	3.0	3.2	4.91	0.28	269
STD DS11	Standard	2.20	8.16	10.51	49	1.05	0.069	17.0	56.8	0.83	347.0	0.091	7	1.14	0.074	0.40	2.9	3.0	5.14	0.28	252
STD DS11	Standard	2.22	8.38	10.47	49	1.04	0.070	16.7	57.9	0.83	362.8	0.088	7	1.11	0.074	0.39	3.1	3.0	4.84	0.27	260
STD OREAS262	Standard	0.61	3.87	0.91	22	2.87	0.039	15.7	42.6	1.18	241.7	0.003	4	1.32	0.066	0.31	0.2	3.0	0.45	0.26	150
STD OREAS262	Standard	0.59	3.55	0.86	20	2.83	0.038	15.1	41.3	1.15	227.1	0.003	4	1.29	0.068	0.30	0.1	3.1	0.42	0.26	160
STD OREAS262	Standard	0.63	3.57	0.92	21	2.85	0.037	15.9	42.9	1.16	235.2	0.003	4	1.32	0.070	0.31	0.2	3.1	0.47	0.27	147
STD OREAS262	Standard	0.60	3.51	0.91	23	2.92	0.038	18.5	47.0	1.19	253.4	0.003	5	1.55	0.070	0.35	0.1	3.3	0.49	0.27	169
STD OREAS262	Standard	0.63	3.58	0.94	22	2.97	0.037	16.4	43.7	1.18	249.8	0.003	4	1.35	0.069	0.31	0.1	3.1	0.45	0.27	155
STD OREAS262	Standard	0.69	3.30	1.03	24	2.94	0.036	19.1	45.2	1.22	257.7	0.003	4	1.49	0.069	0.35	0.1	3.6	0.47	0.27	176
STD OREAS262	Standard	0.62	3.62	0.95	22	3.04	0.040	17.0	43.9	1.19	243.4	0.003	4	1.44	0.068	0.32	0.1	3.2	0.45	0.25	160
STD OREAS262	Standard	0.61	3.00	1.00	22	2.81	0.041	15.1	40.8	1.19	244.0	0.003	2	1.30	0.066	0.30	0.2	3.4	0.47	0.25	166
STD OREAS262	Standard																				
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STD OREAS262	Standard																				
STD OREAS262	Standard	0.62	5.16	0.92	23	2.90	0.040	16.0	42.7	1.18	232.5	0.002	4	1.34	0.068	0.32	0.2	3.1	0.46	0.26	153
STD OREAS262	Standard																				
STD OREAS262	Standard	0.62	3.86	0.94	23	3.05	0.039	17.1	42.5	1.20	241.9	0.003	4	1.32	0.070	0.32	0.2	3.1	0.51	0.27	160
STD OREAS262	Standard	0.62	5.17	0.93	21	2.94	0.040	15.2	40.6	1.17	244.6	0.003	4	1.23	0.070	0.29	0.2	3.0	0.46	0.26	169



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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
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
STD DS11	Standard	2.3	4.99	4.8	2.79	<0.1	0.07	1.69	34.4	1.8	<0.05	3.2	8.54	37.1	0.23	47	0.7	22.2	3.85	14.76	2.58
STD DS11	Standard	2.6	4.66	5.2	3.05	<0.1	0.09	1.80	35.6	2.0	<0.05	3.4	8.47	40.6	0.27	48	0.8	24.0	4.55	16.81	2.96
STD DS11	Standard	2.4	4.89	4.9	2.81	<0.1	0.08	1.74	35.5	1.8	<0.05	3.4	8.64	37.4	0.24	45	0.7	23.4	3.88	14.94	2.67
STD DS11	Standard	2.2	4.31	4.7	2.76	<0.1	0.10	1.55	31.7	1.6	<0.05	3.6	7.42	35.3	0.21	52	0.6	23.8	3.58	14.38	2.58
STD DS11	Standard	2.5	4.82	4.9	2.80	<0.1	0.07	1.84	34.3	1.8	<0.05	3.4	8.32	35.9	0.23	45	0.7	24.6	3.89	14.35	2.56
STD DS11	Standard	2.5	4.87	4.8	2.72	<0.1	0.07	1.51	35.7	1.7	<0.05	3.4	8.28	35.1	0.23	44	0.7	22.5	3.57	13.64	2.44
STD DS11	Standard	2.4	4.62	4.5	2.90	<0.1	0.05	1.40	33.0	1.7	<0.05	2.8	7.52	34.5	0.22	46	0.7	22.1	3.62	13.67	2.50
STD OREAS262	Standard	0.6	0.22	3.8	2.47	<0.1	0.26	<0.02	18.8	0.5	<0.05	12.2	10.80	32.6	0.03	<1	1.1	17.5	3.71	14.80	3.18
STD OREAS262	Standard	0.7	0.24	3.8	2.35	<0.1	0.27	<0.02	18.7	0.5	<0.05	12.7	10.59	30.1	0.03	<1	1.1	15.4	3.68	13.94	3.04
STD OREAS262	Standard	0.7	0.22	3.9	2.51	<0.1	0.29	<0.02	19.0	0.5	<0.05	11.9	10.63	32.0	0.03	1	1.1	17.6	3.71	14.40	3.13
STD OREAS262	Standard	0.6	0.24	4.2	2.81	<0.1	0.25	<0.02	22.5	0.6	<0.05	11.3	11.23	37.0	0.03	1	1.2	17.6	4.16	16.99	3.53
STD OREAS262	Standard	0.6	0.22	3.8	2.46	<0.1	0.26	<0.02	19.6	0.5	<0.05	12.4	11.08	33.1	0.03	<1	1.1	17.2	3.87	15.07	3.21
STD OREAS262	Standard	0.6	0.21	4.3	2.67	<0.1	0.24	<0.02	21.2	0.6	<0.05	10.2	11.21	36.4	0.04	1	1.2	17.5	4.48	17.56	3.59
STD OREAS262	Standard	0.5	0.25	3.9	2.50	<0.1	0.28	<0.02	20.2	0.5	<0.05	12.6	11.38	34.0	0.03	1	1.2	17.9	3.95	15.83	3.35
STD OREAS262	Standard	0.6	0.24	4.1	2.34	<0.1	0.25	<0.02	17.8	0.4	<0.05	9.6	10.02	31.8	<0.02	<1	1.4	18.1	3.36	14.15	3.24
STD OREAS262	Standard																				
STD OREAS262	Standard																				
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STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard																				
STD OREAS262	Standard	0.6	0.22	3.8	2.66	<0.1	0.30	<0.02	19.4	0.5	<0.05	13.6	10.87	32.0	0.03	1	1.2	17.5	3.82	14.71	3.14
STD OREAS262	Standard																				
STD OREAS262	Standard	0.6	0.24	3.9	2.53	<0.1	0.29	<0.02	20.3	0.5	<0.05	12.3	11.39	34.1	0.03	1	1.2	16.5	3.85	15.51	3.28
STD OREAS262	Standard	0.6	0.23	3.6	2.77	<0.1	0.26	<0.02	17.9	0.5	<0.05	11.8	10.70	30.5	0.03	<1	1.1	17.2	3.56	13.94	3.06



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		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 DS11	Standard	0.48	2.13	0.29	1.60	0.28	0.80	0.11	0.74	0.10	102	173
STD DS11	Standard	0.52	2.34	0.31	1.69	0.33	0.92	0.13	0.84	0.11	81	192
STD DS11	Standard	0.48	2.14	0.27	1.59	0.28	0.80	0.11	0.76	0.11	103	169
STD DS11	Standard	0.53	2.30	0.28	1.59	0.26	0.85	0.12	0.77	0.11	90	176
STD DS11	Standard	0.48	2.08	0.27	1.55	0.28	0.79	0.11	0.73	0.11	96	166
STD DS11	Standard	0.47	1.99	0.27	1.49	0.27	0.76	0.10	0.68	0.10	98	163
STD DS11	Standard	0.47	2.01	0.26	1.47	0.28	0.77	0.10	0.72	0.10	95	168
STD OREAS262	Standard	0.60	2.79	0.36	2.04	0.37	1.02	0.13	0.81	0.11	<10	<2
STD OREAS262	Standard	0.60	2.64	0.36	2.01	0.36	0.97	0.13	0.79	0.11	<10	<2
STD OREAS262	Standard	0.60	2.81	0.37	2.07	0.38	1.02	0.13	0.83	0.12	<10	<2
STD OREAS262	Standard	0.65	3.07	0.38	2.23	0.39	1.06	0.14	0.87	0.12	<10	<2
STD OREAS262	Standard	0.62	2.94	0.39	2.19	0.38	1.04	0.14	0.88	0.12	<10	<2
STD OREAS262	Standard	0.74	3.04	0.42	2.32	0.40	1.12	0.16	0.97	0.13	<10	<2
STD OREAS262	Standard	0.65	3.02	0.39	2.21	0.39	1.07	0.14	0.89	0.12	<10	<2
STD OREAS262	Standard	0.58	2.98	0.41	2.05	0.38	1.07	0.13	0.86	0.11	<10	4
STD OREAS262	Standard											
STD OREAS262	Standard											
STD OREAS262	Standard											
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STD OREAS262	Standard											
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STD OREAS262	Standard											
STD OREAS262	Standard											
STD OREAS262	Standard											
STD OREAS262	Standard	0.59	2.80	0.37	2.06	0.37	1.01	0.13	0.82	0.12	<10	<2
STD OREAS262	Standard											
STD OREAS262	Standard	0.64	3.01	0.41	2.22	0.40	1.08	0.14	0.86	0.12	<10	<2
STD OREAS262	Standard	0.59	2.80	0.37	2.10	0.38	1.02	0.13	0.83	0.12	<10	<2



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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
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		474	21	23.8	5.0	18.0	3.0	69.2	20.1	19	326.3	4.5	13.1	19.9	169	8.7	114.6	34.7	72.3	163.0
STD SO-19	Standard		466	25	23.1	4.9	15.2	3.2	66.7	19.3	20	327.3	4.5	13.4	20.1	162	9.9	111.5	35.1	72.5	156.8
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		480	26	23.8	4.5	18.2	3.1	68.9	21.0	20	333.5	4.4	14.9	20.6	167	10.4	118.4	36.8	71.6	153.4
STD SO-19	Standard		479	15	24.7	4.5	18.3	3.2	69.3	20.6	20	326.4	4.7	13.5	20.3	170	9.9	116.7	35.7	70.6	156.0
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		456	13	24.1	4.4	16.9	3.1	64.5	19.0	18	308.6	5.0	13.7	19.7	161	9.6	111.4	35.4	66.7	147.2
STD SO-19	Standard		461	10	23.8	4.2	16.9	3.4	67.8	20.5	20	324.5	4.7	13.6	20.2	165	10.1	117.9	36.0	69.6	155.1
STD SO-19	Standard		431	13	20.5	4.5	15.9	3.0	65.7	19.1	18	285.0	4.8	12.7	19.3	149	10.0	108.2	33.4	66.9	146.6
STD SO-19	Standard		486	25	23.0	4.3	16.8	3.1	71.6	20.6	20	316.8	5.0	14.2	19.8	160	9.8	115.1	36.3	70.2	155.5
STD SO-19	Standard		466	21	23.8	4.3	17.3	3.1	65.0	19.0	19	296.9	4.9	13.4	19.5	148	10.4	105.0	32.8	66.3	149.8
STD SO-19	Standard		479	21	22.5	4.6	16.6	3.0	64.7	19.3	19	308.9	4.7	13.3	19.0	156	9.8	111.4	34.4	66.5	149.1
STD SO-19	Standard		492	13	23.3	4.5	17.1	2.9	67.2	19.5	19	323.2	4.6	13.3	19.0	168	9.0	115.7	35.4	71.2	155.0
STD SO-19	Standard		459	11	23.3	4.4	16.4	3.1	66.6	19.2	18	308.7	4.4	13.6	18.5	154	9.1	110.8	34.6	66.8	151.1
STD SO-19	Standard		467	25	22.4	4.6	16.0	3.0	65.3	19.2	18	300.1	4.6	13.9	19.4	158	9.8	109.5	34.2	66.2	150.1
STD SO-19	Standard																				
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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 SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	19.55	76.2	13.49	3.69	10.69	1.42	7.59	1.34	3.87	0.52	3.53	0.53								
STD SO-19	Standard	19.38	76.0	13.23	3.67	10.46	1.35	7.24	1.36	3.59	0.53	3.45	0.51								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	19.70	77.5	13.36	3.76	10.57	1.40	7.21	1.39	4.07	0.58	3.70	0.53								
STD SO-19	Standard	19.60	77.7	13.10	3.72	10.43	1.38	7.61	1.45	3.85	0.57	3.49	0.53								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	19.30	75.4	12.92	3.61	10.24	1.39	7.14	1.39	3.83	0.50	3.47	0.51								
STD SO-19	Standard	19.65	76.6	13.09	3.74	10.24	1.41	7.62	1.37	4.13	0.56	3.58	0.52								
STD SO-19	Standard	18.51	70.4	12.37	3.36	9.17	1.27	6.97	1.27	3.53	0.49	3.33	0.47								
STD SO-19	Standard	19.65	74.3	13.08	3.59	10.18	1.35	7.32	1.39	3.74	0.50	3.49	0.48								
STD SO-19	Standard	18.59	74.3	12.42	3.38	10.01	1.31	6.97	1.32	3.64	0.51	3.33	0.50								
STD SO-19	Standard	19.01	73.7	12.81	3.52	10.16	1.31	7.21	1.34	3.69	0.52	3.54	0.52								
STD SO-19	Standard	19.66	76.3	13.49	3.73	10.33	1.39	7.22	1.39	3.66	0.55	3.33	0.51								
STD SO-19	Standard	18.70	73.1	12.53	3.60	10.58	1.36	7.39	1.30	3.79	0.51	3.29	0.51								
STD SO-19	Standard	18.44	72.5	12.47	3.56	10.57	1.34	7.29	1.35	3.81	0.51	3.36	0.51								
STD SO-19	Standard																				
STD SO-19	Standard																				
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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	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
STD SO-19	Standard							60.31	13.94	7.57	2.92	5.85	4.12	1.35	0.70	0.33	0.13	0.506	474	484	322
STD SO-19	Standard							60.62	13.73	7.56	2.88	5.85	4.11	1.34	0.70	0.33	0.13	0.492	476	479	317
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.70	13.88	7.38	2.88	5.99	4.00	1.27	0.70	0.31	0.13	0.491	473	469	314
STD SO-19	Standard							60.68	13.91	7.42	2.89	5.92	4.01	1.26	0.70	0.32	0.13	0.492	472	470	316
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.70	13.90	7.42	2.88	5.96	4.01	1.21	0.70	0.33	0.13	0.486	474	466	312
STD SO-19	Standard							60.57	13.98	7.48	2.92	5.96	3.97	1.22	0.69	0.31	0.13	0.493	474	471	313
STD SO-19	Standard							60.72	13.85	7.38	2.89	5.96	4.02	1.29	0.69	0.31	0.13	0.490	464	460	310
STD SO-19	Standard							60.83	13.92	7.27	2.90	5.93	3.99	1.27	0.70	0.32	0.13	0.487	467	455	311
STD SO-19	Standard																				
STD SO-19	Standard																				
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		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
STD SO-19	Standard	118	35	73	27	1.9	99.87														
STD SO-19	Standard	117	35	75	27	1.9	99.87														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	120	35	70	27	1.9	99.85														
STD SO-19	Standard	120	35	73	27	1.9	99.85														
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	125	34	71	26	1.9	99.85														
STD SO-19	Standard	127	34	76	27	1.9	99.85														
STD SO-19	Standard	126	35	75	27	1.9	99.85														
STD SO-19	Standard	125	35	74	26	1.9	99.87														
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	124	36	79	27	1.9	99.85														
STD SO-19	Standard	127	36	78	27	1.9	99.85														
STD SO-19	Standard	121	35	76	27	1.9	99.86														
STD SO-19	Standard	120	35	69	27	1.9	99.87														
STD SO-19	Standard	121	36	74	27	1.9	99.85														
STD SO-19	Standard	124	36	71	27	1.9	99.85														
STD SO-19	Standard	129	36	78	27	1.9	99.85														
STD SO-19	Standard	127	35	77	27	1.9	99.85														



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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

VAN22003126.1

		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		464	7	23.1	4.3	16.1	2.9	65.5	19.0	17	312.7	5.0	12.3	17.8	155	10.2	108.9	34.7	66.2	145.9
STD SO-19	Standard		441	19	22.8	4.2	16.3	2.9	63.2	18.6	17	288.8	4.7	12.1	17.8	147	9.4	111.3	33.4	64.6	138.0
STD SO-19	Standard		482	18	23.2	4.5	16.5	3.0	67.4	19.0	18	306.4	4.5	13.1	17.8	148	9.5	109.3	34.2	69.7	160.7
STD SO-19	Standard		477	18	22.8	4.3	16.3	3.2	68.0	19.0	22	322.2	4.6	13.8	19.3	154	10.2	114.3	37.0	72.1	160.0
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard		488	28	22.8	4.7	17.5	3.2	68.0	20.0	20	325.8	4.7	13.1	20.1	161	10.1	117.4	35.8	76.1	167.7
STD SO-19	Standard		463	17	22.6	4.5	16.3	3.3	67.9	19.6	19	315.1	4.8	13.8	20.9	163	10.4	118.4	39.1	74.7	162.5
STD SO-19	Standard		460	12	24.1	4.3	17.0	3.2	68.5	20.1	18	310.5	5.0	14.0	20.4	151	10.0	114.1	35.4	70.5	158.4
STD SO-19	Standard		482	22	24.3	4.3	17.2	3.0	71.5	20.5	18	313.5	4.7	14.3	19.6	158	10.8	115.1	35.9	71.8	161.6
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGE001 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 DS11 Expected																					
STD OREAS262 Expected																					
BLK	Blank																				
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	0.6	<0.1	<0.2	<0.1	<8	<0.5	2.5	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank		2	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.3	3	1.4	<0.1	<0.2	<0.1	<8	<0.5	1.1	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.4	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.4	<0.1	<0.1	<0.1
BLK	Blank		3	<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
BLK	Blank		2	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.3	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.2	<1	1.3	<0.1	<0.2	<0.1	<8	<0.5	0.5	<0.1	<0.1	<0.1
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	0.4	<1	1.2	<0.1	<0.2	<0.1	<8	<0.5	1.6	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				



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QUALITY CONTROL REPORT

VAN22003126.1

		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
STD SO-19	Standard	18.37	70.5	12.02	3.39	10.14	1.35	6.83	1.33	3.83	0.53	3.39	0.47								
STD SO-19	Standard	18.04	72.4	12.22	3.41	9.71	1.31	6.99	1.28	3.58	0.49	3.30	0.48								
STD SO-19	Standard	19.37	76.3	12.45	3.52	10.00	1.33	7.36	1.37	3.73	0.52	3.10	0.48								
STD SO-19	Standard	19.88	79.0	13.06	3.67	10.61	1.39	7.46	1.39	3.82	0.55	3.35	0.52								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	19.88	76.5	13.46	3.71	11.00	1.39	7.15	1.37	4.24	0.57	3.53	0.52								
STD SO-19	Standard	19.93	77.8	13.69	3.85	10.82	1.42	7.49	1.39	3.82	0.56	3.68	0.52								
STD SO-19	Standard	19.44	75.2	13.50	3.61	10.41	1.38	7.47	1.39	3.93	0.55	3.37	0.53								
STD SO-19	Standard	19.56	76.8	13.26	3.67	10.52	1.42	7.46	1.43	3.72	0.55	3.51	0.54								
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGE001 Expected														10.8	4415	187	1712	163	121	6.25	2.2
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 DS11 Expected																					
STD OREAS262 Expected														0.68	118	56	154	62	35.8	0.61	3.39
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	<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	<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	<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	<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	<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																				



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QUALITY CONTROL REPORT

VAN22003126.1

		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	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
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.37	13.99	7.46	2.91	5.93	4.12	1.31	0.70	0.33	0.13	0.495	481	472	313
STD SO-19	Standard							60.53	13.92	7.46	2.91	5.92	4.04	1.30	0.70	0.33	0.13	0.498	481	478	312
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard							60.39	13.98	7.52	2.90	5.94	4.04	1.30	0.70	0.32	0.13	0.504	479	486	317
STD SO-19	Standard							60.37	13.99	7.52	2.91	5.91	4.08	1.32	0.70	0.32	0.13	0.505	481	483	316
STD BVGEO01 Expected		24.3	2.53	214	0.1	0.62	4.84														
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 DS11 Expected																					
STD OREAS262 Expected		1.03	0.45	65	0.17	0.47	0.4														
BLK	Blank							0.04	<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							<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							<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							0.03	<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																				
BLK	Blank																				
BLK	Blank																				
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							0.03	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2



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QUALITY CONTROL REPORT

VAN22003126.1

		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard	126	35	78	27	1.9	99.87														
STD SO-19	Standard	125	36	79	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	124	36	75	27	1.9	99.86														
STD SO-19	Standard	124	36	76	27	1.9	99.87														
STD BVGEO01 Expected																					
STD SO-19 Expected		112	35.5	68.5	27																
STD DS11 Expected								14.6	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3
STD OREAS262 Expected								0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36
BLK	Blank	<5	<3	<5	<1	0.0	0.07														
BLK	Blank																				
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank																				
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank	<5	<3	<5	<1	0.0	0.02														
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<5	<3	<5	<1	0.0	0.02														
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														



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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	
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
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																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGEO01 Expected																					
STD SO-19 Expected																					
STD DS11 Expected		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	3.4	4.9	0.2835	260
STD OREAS262 Expected		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	3.24	0.47	0.253	170
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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QUALITY CONTROL REPORT

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		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	AQ251 Li ppm 0.1	AQ251 Pr ppm 0.02	AQ251 Nd ppm 0.02	AQ251 Sm ppm 0.02
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																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD SO-19	Standard																				
STD BVGE001 Expected																					
STD SO-19 Expected																					
STD DS11 Expected		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	23.3	4	14.9	2.68
STD OREAS262 Expected		0.4	0.23	4.1	2.8		0.27		18.6	0.5		11.7	11.2	32	0.033		1.14	17.8	4	15	3.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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QUALITY CONTROL REPORT

VAN22003126.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
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											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD SO-19	Standard											
STD BVGE001 Expected												
STD SO-19 Expected												
STD DS11 Expected		0.54	2.22	0.29	1.57	0.29	0.81	0.11	0.75	0.11	100	172
STD OREAS262 Expected		0.72	2.93	0.43	2.29	0.41	1.07	0.14	0.9	0.13		
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
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BLK	Blank											
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BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											



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Part: 1 of 7

VAN22003126.1

[illegible]



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Client:

Palmer

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Project:

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QUALITY CONTROL REPORT

VAN22003126.1

		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	
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																					
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														<0.1	<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
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	0.3	<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														<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	<0.02	<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																					



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QUALITY CONTROL REPORT

VAN22003126.1

		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
BLK	Blank							0.02	<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																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
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	<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														
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														
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														
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5														
BLK	Blank																				
BLK	Blank							0.03	<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																				



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QUALITY CONTROL REPORT

VAN22003126.1

		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank																				
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank							<0.01	<0.01	0.08	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank							<0.01	<0.01	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<5	<3	<5	<1	0.0	<0.01														
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5



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QUALITY CONTROL REPORT

VAN22003126.1

		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank	<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	0.2	<0.1	<0.02	<0.02	<5
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<5
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<5



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QUALITY CONTROL REPORT

VAN22003126.1

		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	AQ251 Li ppm 0.1	AQ251 Pr ppm 0.02	AQ251 Nd ppm 0.02	AQ251 Sm ppm 0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	0.3	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02



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QUALITY CONTROL REPORT

VAN22003126.1

		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
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank											
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BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2
BLK	Blank											
BLK	Blank											
BLK	Blank											
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2



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Project:

AER

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QUALITY CONTROL REPORT

VAN22003126.1

	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
BLK	Blank																			



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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
BLK	Blank																				



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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	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr
		ppm	ppm	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm
BLK	Blank	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



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QUALITY CONTROL REPORT

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		LF300	LF300	LF300	LF300	LF300	LF300	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Zr	Y	Nb	Sc	LOI	Sum	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm
		5	3	5	1	-5.1	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5
BLK	Blank							<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5



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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	
		Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb
		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	0.1	0.02	0.02	5
BLK	Blank	<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	<0.1	<0.02	<0.02	<5



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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	
		Se	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pr	Nd	Sm
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		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	0.1	0.02	0.02	0.02
BLK	Blank	<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	<0.1	<0.02	<0.02	<0.02



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		AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb
		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	10	2
BLK	Blank	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<10	<2