



Report No.: A23-16880
Report Date: 12-Jan-24
Date Submitted: 16-Nov-23
Your Reference: NMX East

Durango Exploration Inc.
248-515
West Pender Street
Vancouver BC 604-339-22
Canada

ATTN: Marcy Kiesman

CERTIFICATE OF ANALYSIS

255 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Description, and Testing Date. Includes rows for 8-Peroxide ICP-OES and 8-REE Assay Package.

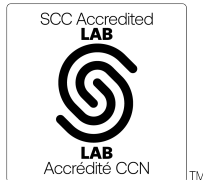
REPORT A23-16880

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Notes:

Total includes all elements in % oxide to the left of total. If P2O5 is >0.3%, Nb may be under reported by FUS-MS.

Refer to the Scope of Accreditation for information on accredited elements.



LabID: 266

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

Handwritten signature of Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518235	78	< 0.01	74.59	13.78	0.95	0.041	0.04	0.15	3.21	5.46	0.005	0.08	0.44	98.76	1	3	< 5	< 20	< 1	< 20	< 10	60	29
518236	258	0.03	74.11	13.52	1.94	0.047	0.41	1.72	4.25	2.35	0.144	0.07	0.20	98.77	3	3	12	< 20	2	< 20	20	60	18
518237	334	0.03	71.81	14.25	2.60	0.048	0.49	2.33	4.26	1.67	0.247	0.06	0.21	97.99	3	3	17	< 20	2	< 20	10	40	17
518238	84	< 0.01	73.62	14.40	1.22	0.211	0.04	0.21	4.59	3.49	0.005	0.07	0.31	98.18	2	3	< 5	< 20	< 1	< 20	< 10	90	34
518239	96	< 0.01	74.64	13.89	1.08	0.150	0.04	0.17	4.79	3.12	0.006	0.06	0.35	98.31	2	3	< 5	< 20	< 1	< 20	< 10	120	37
518240	74	< 0.01	74.26	14.38	1.17	0.197	0.04	0.17	5.32	2.96	0.004	0.07	0.24	98.80	2	3	< 5	< 20	< 1	< 20	< 10	120	32
518241	71	< 0.01	76.21	13.67	1.12	0.200	0.04	0.24	4.13	3.93	0.004	0.07	0.21	99.83	1	3	< 5	< 20	< 1	< 20	< 10	90	33
518242	372	0.04	71.70	14.17	3.04	0.063	0.65	2.04	4.37	1.93	0.286	0.08	0.29	98.61	4	4	22	< 20	4	< 20	20	60	18

Results

Activation Laboratories Ltd.

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Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518238	3	< 5	648	14	14	18	69	< 2	< 0.5	< 0.2	17	< 0.5	11.9	47	1.6	2.2	6.6	0.91	3.6	1.8	< 0.05	1.6	0.4
518239	3	< 5	645	11	11	15	86	< 2	< 0.5	< 0.2	24	< 0.5	13.7	15	3.5	2.4	6.6	0.88	3.6	1.9	< 0.05	1.5	0.3
518240	3	< 5	584	10	13	14	61	< 2	< 0.5	< 0.2	15	< 0.5	12.7	12	1.6	2.0	5.7	0.82	3.1	1.7	< 0.05	1.5	0.3
518241	3	< 5	706	17	8	19	63	< 2	< 0.5	< 0.2	17	< 0.5	11.7	95	2.5	1.3	3.7	0.49	1.9	1.3	< 0.05	1.1	0.2
518242	1	< 5	405	141	10	161	11	< 2	< 0.5	< 0.2	5	< 0.5	21.6	810	< 0.4	46.5	79.9	7.49	24.8	3.6	0.64	2.7	0.3

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
519401	2.4	0.3	0.7	0.12	0.8	0.12	1.2	33.5	5	2.8	< 5	5.3	3.7
519402	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	0.5	113	4	6.4	7	1.4	1.0
519403	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	2.8	29.7	5	4.9	< 5	0.9	1.5
519404	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	0.5	37.6	1	11.6	11	1.3	1.1
519405	0.9	< 0.1	0.2	< 0.05	0.2	< 0.04	1.0	34.2	< 1	8.0	13	4.2	2.0
519406	5.3	1.0	3.3	0.55	3.8	0.59	0.7	8.6	< 1	0.9	47	15.7	5.3
519407	0.4	< 0.1	0.2	< 0.05	0.3	0.04	< 0.2	13.0	< 1	0.8	11	2.2	1.3
519408	1.8	0.4	1.3	0.25	1.9	0.28	0.4	1.2	2	2.4	32	5.9	3.5
519409	0.5	0.1	0.5	0.12	1.2	0.23	0.5	3.1	1	0.8	91	2.6	14.0
519410	0.3	< 0.1	0.2	0.05	0.5	0.09	< 0.2	2.7	8	1.1	27	0.5	3.2
519411	3.9	0.8	3.0	0.70	6.0	1.03	0.7	12.4	< 1	3.2	33	6.1	2.6
519412	1.9	0.5	1.5	0.25	1.7	0.25	< 0.2	1.7	2	3.8	50	4.3	3.5
519413	0.7	0.2	0.6	0.12	1.0	0.20	1.4	3.8	< 1	9.4	163	4.8	5.8
518001	2.6	0.5	1.5	0.22	1.4	0.23	1.3	0.6	3	2.9	< 5	0.6	0.7
518002	0.4	< 0.1	0.1	< 0.05	0.2	< 0.04	0.6	21.6	< 1	3.2	21	2.5	5.1
518003	0.9	0.2	0.5	0.08	0.6	0.10	2.7	0.6	< 1	1.1	21	6.8	5.6
518004	0.7	0.1	0.3	< 0.05	0.3	< 0.04	1.4	5.5	< 1	2.1	18	6.6	3.7
518005	1.9	0.2	0.4	0.09	0.6	0.09	2.3	30.4	10	3.5	22	9.0	14.8
518006	1.7	0.2	0.4	0.07	0.4	0.06	2.1	34.9	< 1	1.7	17	8.0	11.5
518007	4.9	0.6	1.6	0.27	2.1	0.32	2.8	37.6	< 1	2.5	18	19.3	21.1
518008	8.1	0.9	2.3	0.40	3.0	0.44	7.1	52.9	< 1	2.4	27	39.1	37.8
518009	1.2	0.1	0.3	0.05	0.4	0.05	2.5	38.3	< 1	1.5	12	5.0	10.4
518010	0.9	0.1	0.3	< 0.05	0.3	0.05	1.1	29.9	2	4.1	10	4.5	8.7
518011	1.4	0.1	0.3	0.05	0.4	0.06	1.8	45.2	< 1	2.5	53	6.5	11.2
518012	2.8	0.3	0.9	0.13	0.9	0.13	1.4	33.0	< 1	1.5	58	8.4	8.0
518013	2.0	0.2	0.6	0.11	0.9	0.14	2.3	39.8	< 1	2.1	10	8.2	17.5
518014	2.8	0.6	1.9	0.31	2.1	0.34	3.1	0.4	221	0.2	18	3.3	1.5
518015	3.5	0.7	2.1	0.32	2.2	0.36	1.4	0.4	< 1	2.8	< 5	0.3	0.5
518016	0.7	0.1	0.4	0.06	0.4	0.06	1.3	1.3	< 1	3.8	20	3.3	3.8
518017	0.9	0.1	0.2	< 0.05	0.4	0.06	1.4	34.8	< 1	2.1	16	4.4	4.8
518018	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	0.5	23.2	< 1	7.3	9	2.8	6.9
518019	0.6	< 0.1	0.1	< 0.05	0.2	< 0.04	1.2	23.4	3	5.4	11	6.2	4.8
518020	0.2	< 0.1	0.2	< 0.05	0.2	< 0.04	< 0.2	< 0.1	2	< 0.1	< 5	< 0.1	< 0.1
518021	0.6	< 0.1	0.2	< 0.05	0.2	< 0.04	1.0	32.4	< 1	4.3	10	4.1	3.7
518022	1.2	0.2	0.7	0.10	0.6	0.09	2.0	6.7	< 1	3.8	15	6.5	4.6
518023	1.0	0.2	0.5	0.08	0.6	0.07	1.7	6.1	< 1	1.2	14	8.9	3.8
518024	1.3	0.2	0.4	0.06	0.4	0.06	2.4	28.2	< 1	2.0	11	5.2	6.6
518025	2.8	0.3	0.6	0.10	0.7	0.10	1.9	49.9	< 1	5.1	12	15.8	9.0
518026	46.8	4.9	10.3	1.63	11.2	1.44	5.4	78.1	8	1.8	30	300	29.5
518027	1.8	0.2	0.5	0.08	0.6	0.08	1.7	38.1	< 1	3.1	15	9.6	7.9
518028	1.8	0.4	1.1	0.18	1.4	0.23	0.9	1.3	1	2.7	56	7.7	13.9
518029	1.2	0.2	0.7	0.11	0.7	0.10	0.7	0.7	< 1	3.1	55	5.6	11.5
518030	1.1	0.2	0.6	0.08	0.5	0.08	0.9	0.5	< 1	4.0	72	6.7	12.4
518031	1.3	0.3	0.7	0.10	0.6	0.08	1.3	0.4	< 1	2.7	86	10.3	18.8
518032	0.6	0.1	0.3	0.05	0.3	0.04	1.3	1.1	< 1	2.0	33	5.7	6.1
518033	0.9	0.2	0.4	0.06	0.4	0.06	1.8	3.4	< 1	1.5	16	7.8	5.2
518034	43.7	5.4	13.4	2.10	14.1	1.91	9.2	64.9	4	2.3	24	95.7	35.7
518035	3.6	0.4	1.0	0.16	1.2	0.20	3.0	44.7	< 1	2.4	10	10.0	10.6
518036	1.0	0.2	0.5	0.07	0.4	0.06	1.8	0.6	< 1	3.1	13	4.0	2.5
518037	1.8	0.4	1.0	0.16	1.1	0.17	1.8	1.3	2	0.5	40	6.9	8.9

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518038	1.5	0.3	0.8	0.10	0.7	0.12	4.7	0.5	< 1	0.5	13	20.5	2.7
518039	1.0	0.2	0.6	0.10	0.6	0.11	2.0	0.3	< 1	0.2	44	25.7	23.7
518040	2.9	0.6	1.9	0.31	2.2	0.37	2.3	0.4	228	0.2	18	3.1	1.5
518041	2.0	0.3	0.9	0.12	0.8	0.12	4.3	0.6	< 1	0.4	12	15.3	2.1
518042	1.5	0.3	1.0	0.16	1.1	0.17	1.2	1.2	< 1	0.3	35	6.3	9.6
518043	1.6	0.3	1.0	0.13	0.9	0.14	1.1	1.2	2	0.4	34	5.6	7.4
518044	1.6	0.3	1.1	0.15	1.0	0.17	1.4	1.1	< 1	0.3	33	5.9	8.7
518045	1.7	0.4	1.1	0.16	1.1	0.17	1.2	1.0	< 1	0.3	32	5.3	9.3
518046	1.0	0.2	0.6	0.10	0.6	0.10	4.0	1.5	< 1	4.0	15	4.2	5.3
518047	0.4	< 0.1	0.1	< 0.05	0.1	< 0.04	0.4	19.3	4	7.6	14	2.4	1.7
518048	0.6	< 0.1	0.2	< 0.05	0.1	< 0.04	0.6	32.0	< 1	3.4	6	5.1	2.0
518049	1.3	0.2	0.4	0.06	0.4	0.08	1.4	25.1	3	3.7	7	4.6	2.4
518050	2.6	0.6	1.9	0.29	2.2	0.40	3.3	0.3	234	0.2	14	2.9	1.4
518051	0.5	< 0.1	0.2	< 0.05	0.2	< 0.04	0.4	24.4	2	7.2	15	3.6	3.1
518052	0.8	< 0.1	0.2	< 0.05	0.2	< 0.04	1.6	31.4	2	6.1	9	5.2	7.1
518053	0.5	< 0.1	0.1	< 0.05	0.2	< 0.04	0.2	16.0	10	4.1	5	1.7	3.8
518054	1.4	0.2	0.4	0.06	0.4	0.06	< 0.2	11.1	16	3.3	11	3.8	7.8
518055	0.9	0.1	0.3	< 0.05	0.3	< 0.04	< 0.2	9.0	2	7.2	12	2.5	3.1
518056	0.4	< 0.1	0.1	< 0.05	0.1	< 0.04	< 0.2	6.2	1	8.4	14	1.2	2.6
518057	1.5	0.2	0.5	0.08	0.5	0.07	0.2	15.9	2	4.6	13	3.0	6.1
518058	1.9	0.2	0.6	0.09	0.6	0.09	0.3	28.4	6	2.5	10	6.0	7.9
518059	2.3	0.3	0.6	0.09	0.5	0.08	< 0.2	29.7	4	2.6	11	7.4	14.7
518060	2.4	0.3	0.6	0.09	0.5	0.09	< 0.2	25.6	8	2.3	8	4.4	10.8
518061	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	13.9	3	3.9	< 5	0.6	1.9
518062	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	15.5	5	4.3	< 5	0.7	0.9
518063	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	10.6	1	4.6	< 5	1.3	1.2
518064	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	0.2	26.9	< 1	6.7	11	4.2	1.4
518065	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	19.1	4	5.0	< 5	2.0	1.0
518066	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	8.6	< 1	6.3	< 5	1.0	0.9
518067	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	15.7	5	3.1	< 5	0.7	0.7
518068	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	14.9	3	4.9	< 5	1.3	1.1
518069	0.5	< 0.1	0.1	< 0.05	0.1	< 0.04	< 0.2	9.7	1	4.4	10	1.5	2.9
518070	3.0	0.6	2.1	0.33	2.2	0.37	3.4	0.4	245	0.2	19	3.4	1.7
518071	0.5	< 0.1	0.1	< 0.05	0.1	< 0.04	0.2	12.9	8	6.2	7	1.9	4.2
518072	1.1	0.1	0.3	0.05	0.3	0.05	< 0.2	8.2	2	5.3	12	2.2	2.4
518073	1.4	0.2	0.4	0.07	0.4	0.06	0.2	19.0	4	2.2	7	5.5	7.5
518074	1.1	0.1	0.3	< 0.05	0.3	0.04	0.5	24.9	3	6.6	9	5.9	6.5
518075	0.6	< 0.1	0.2	< 0.05	0.1	< 0.04	< 0.2	7.0	3	6.6	8	0.9	2.9
518076	0.8	< 0.1	0.2	< 0.05	0.2	< 0.04	< 0.2	11.0	5	6.0	11	2.0	4.1
518077	1.0	0.1	0.3	< 0.05	0.2	< 0.04	0.2	14.9	2	3.8	13	2.6	5.3
518078	1.3	0.2	0.3	0.05	0.4	0.06	0.8	16.5	6	3.2	8	3.8	2.9
518079	1.6	0.2	0.4	0.07	0.5	0.08	1.6	25.3	3	5.1	7	6.3	9.1
518080	0.2	< 0.1	0.1	< 0.05	0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	0.1
518081	1.0	0.1	0.2	< 0.05	0.2	< 0.04	1.3	27.8	3	3.4	7	6.4	5.1
518082	1.0	< 0.1	0.2	< 0.05	0.2	< 0.04	1.4	31.6	2	4.5	7	4.0	3.7
518083	2.9	0.4	1.0	0.21	1.8	0.25	2.8	26.7	2	3.5	8	7.5	4.5
518084	0.9	< 0.1	0.2	< 0.05	0.3	< 0.04	0.4	11.0	2	4.0	6	2.7	1.6
518085	0.8	< 0.1	0.2	< 0.05	0.2	< 0.04	< 0.2	10.4	5	5.2	6	1.0	1.0
518086	1.0	0.1	0.3	< 0.05	0.3	< 0.04	0.4	17.5	3	2.0	< 5	3.4	2.4
518087	1.2	0.2	0.3	0.05	0.3	0.05	0.4	19.6	8	4.7	< 5	1.9	1.3

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518088	1.2	0.1	0.4	< 0.05	0.3	0.05	< 0.2	13.8	3	9.0	12	3.1	2.4
518089	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	15.7	1	9.7	12	0.7	1.3
518090	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	6.2	1	10.0	12	0.7	1.0
518091	1.7	0.2	0.5	0.08	0.6	0.09	0.6	75.1	10	9.9	14	4.2	3.9
518092	1.8	0.2	0.5	0.07	0.5	0.07	0.9	63.0	5	7.1	14	7.7	12.1
518093	0.3	< 0.1	0.1	< 0.05	0.1	< 0.04	< 0.2	4.7	< 1	9.1	12	0.9	2.3
518094	1.2	0.1	0.3	< 0.05	0.3	0.04	0.3	162	3	7.9	12	6.1	7.0
518095	1.4	0.2	0.3	0.05	0.3	0.05	0.3	15.4	3	4.9	8	5.4	6.7
518096	3.4	0.4	0.9	0.15	1.0	0.13	0.5	17.2	4	4.8	13	10.9	8.6
518097	1.9	0.2	0.5	0.07	0.5	0.07	0.8	24.8	9	3.5	26	7.3	8.5
518098	2.5	0.2	0.4	0.05	0.4	0.05	0.8	46.2	4	3.8	57	10.8	12.6
518099	1.6	0.2	0.4	0.06	0.5	0.07	0.9	28.4	6	2.4	33	5.4	6.8
518100	0.3	< 0.1	0.2	< 0.05	0.2	< 0.04	< 0.2	< 0.1	3	< 0.1	< 5	0.1	0.1
518101	3.1	0.3	0.7	0.11	0.7	0.11	0.8	35.6	8	2.6	59	10.5	7.1
518102	2.9	0.4	0.8	0.12	0.9	0.12	1.6	23.4	4	2.6	13	14.0	8.9
518103	1.8	0.2	0.4	0.06	0.5	0.08	0.3	12.5	1	4.2	9	2.6	4.7
518104	2.5	0.3	0.6	0.10	0.7	0.10	0.9	28.0	5	4.6	16	11.6	11.0
518105	3.0	0.3	0.7	0.11	0.7	0.10	0.9	47.4	6	2.6	27	12.1	9.3
518106	2.7	0.3	0.6	0.08	0.5	0.06	1.1	41.6	3	3.5	66	10.5	7.1
518107	3.0	0.3	0.6	0.11	0.8	0.12	2.2	40.9	2	0.9	51	11.1	8.4
518108	0.8	< 0.1	0.1	< 0.05	0.1	< 0.04	1.1	29.9	< 1	4.9	45	2.7	4.0
518109	0.4	< 0.1	0.1	< 0.05	0.1	< 0.04	0.3	15.3	< 1	6.0	10	1.8	4.3
518110	0.3	< 0.1	0.2	< 0.05	0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1
518111	1.5	0.2	0.3	0.07	0.4	0.06	1.0	25.9	1	2.5	9	4.3	8.7
518112	4.2	0.5	1.4	0.26	2.2	0.32	2.0	45.8	2	3.9	14	9.0	10.1
518113	4.7	0.7	2.1	0.37	3.2	0.50	3.4	32.1	< 1	0.2	7	7.6	11.8
518114	8.1	0.9	2.1	0.34	2.1	0.34	5.8	37.0	9	4.7	129	45.9	225
518115	13.8	1.5	3.5	0.54	3.5	0.54	6.3	50.3	7	3.7	17	53.1	19.1
518116	4.6	0.5	1.2	0.20	1.4	0.22	2.7	32.0	2	0.9	9	15.3	16.1
518117	1.7	0.2	0.4	0.07	0.5	0.08	2.0	31.8	3	0.8	6	5.3	12.3
518118	2.2	0.2	0.4	0.08	0.6	0.09	1.1	25.1	< 1	0.2	7	5.7	11.5
518119	4.9	0.7	2.0	0.40	3.3	0.53	3.5	23.2	2	0.4	7	6.7	15.4
518120	5.1	0.7	2.0	0.41	3.5	0.55	2.1	22.7	1	0.4	9	7.2	17.4
518121	3.1	0.4	0.9	0.16	1.3	0.20	2.3	32.1	< 1	0.4	8	6.9	15.4
518122	4.4	0.5	1.2	0.21	1.7	0.25	2.5	39.6	3	0.6	11	9.7	13.5
518123	3.5	0.5	1.3	0.25	2.0	0.36	3.7	26.9	1	1.2	10	8.6	12.0
518124	5.6	0.8	1.9	0.41	3.3	0.51	2.9	32.8	2	2.5	10	11.0	11.7
518125	7.6	1.0	3.1	0.66	5.8	0.94	2.5	24.7	1	2.9	12	9.6	14.9
518126	2.0	0.3	0.7	0.15	1.2	0.19	1.9	31.2	1	5.5	19	9.1	26.7
518127	2.8	0.3	0.8	0.14	1.0	0.16	0.9	30.2	3	5.9	16	6.9	18.6
518128	3.6	0.4	1.0	0.15	1.0	0.15	1.2	22.9	4	2.6	8	11.5	11.0
518129	3.3	0.4	0.9	0.14	0.9	0.14	1.0	32.1	3	1.7	7	7.7	10.1
518130	2.9	0.6	1.9	0.29	2.3	0.40	2.9	0.4	226	0.2	16	3.3	1.6
518131	15.5	1.9	4.6	0.76	5.2	0.80	11.1	46.3	4	1.4	17	47.8	32.5
518132	1.1	0.1	0.3	< 0.05	0.3	0.04	0.4	11.0	5	1.8	< 5	3.0	3.1
518133	5.0	0.7	1.6	0.25	1.7	0.26	1.2	10.4	3	1.3	< 5	7.6	5.2
518134	4.8	0.7	1.4	0.24	1.5	0.23	1.3	12.7	3	1.2	5	7.6	6.6
518135	9.8	1.2	3.0	0.50	3.7	0.56	9.4	72.4	6	2.7	18	38.1	27.6
518136	12.2	1.5	3.8	0.68	4.9	0.71	11.7	35.3	4	1.5	21	38.8	30.7
518137	13.0	1.5	3.8	0.75	5.7	0.81	9.8	57.4	4	1.1	19	41.4	35.3

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Ti	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518138	12.9	1.7	4.2	0.79	5.9	0.86	8.8	50.1	2	1.0	18	25.4	26.6
518139	5.2	0.6	1.4	0.24	1.4	0.20	1.3	15.1	2	2.8	11	11.6	7.2
518140	0.3	< 0.1	0.2	< 0.05	0.2	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	0.1	0.1
518141	4.9	0.6	1.3	0.19	1.1	0.15	0.5	25.6	6	2.6	13	15.6	20.6
518142	4.1	0.5	1.2	0.19	1.1	0.14	0.9	17.8	6	3.2	8	10.3	8.8
518143	6.7	0.8	1.6	0.21	1.3	0.22	0.6	59.5	7	1.8	21	23.9	33.9
518144	6.4	0.6	1.2	0.19	1.3	0.17	5.5	31.4	5	0.2	10	14.1	15.7
518145	4.8	0.7	1.7	0.32	2.5	0.36	1.4	22.9	4	1.8	12	10.4	9.0
518146	5.2	0.6	1.3	0.22	1.4	0.19	0.7	25.2	4	1.1	11	15.7	13.6
518147	1.7	0.3	1.0	0.16	1.0	0.16	1.5	3.4	3	2.5	32	9.3	2.8
518148	1.6	0.3	1.0	0.16	1.1	0.16	1.6	1.4	2	0.9	23	9.7	2.9
518149	3.4	0.7	2.0	0.29	1.8	0.28	2.0	0.8	3	1.7	47	4.1	4.1
518150	4.6	0.9	2.7	0.38	2.4	0.42	1.6	1.1	< 1	1.6	92	3.5	3.6
518151	1.2	0.2	0.4	0.07	0.6	0.10	1.4	27.2	2	1.9	14	5.7	9.2
518152	5.3	0.7	2.0	0.40	3.5	0.54	2.2	21.9	2	2.0	13	12.5	7.5
518153	2.2	0.3	0.8	0.16	1.3	0.20	1.1	14.6	2	2.2	16	5.4	4.2
518154	3.4	0.4	1.2	0.24	2.0	0.34	1.6	16.8	10	1.6	44	7.9	9.6
518155	5.9	0.7	1.6	0.29	2.2	0.31	4.5	29.3	2	1.7	13	13.2	23.0
518156	1.2	0.1	0.3	0.05	0.4	0.06	1.3	21.7	2	2.8	9	5.4	8.3
518157	1.9	0.2	0.5	0.09	0.6	0.08	1.6	35.1	1	1.0	11	8.7	12.5
518158	1.9	0.2	0.4	0.07	0.5	0.07	2.6	29.2	3	2.3	12	9.5	18.7
518159	4.5	0.6	1.5	0.29	2.6	0.44	2.5	27.4	2	1.3	15	10.5	16.2
518160	3.0	0.6	2.0	0.31	2.4	0.41	3.3	0.4	244	0.2	18	3.4	1.6
518161	1.0	0.2	0.7	0.10	0.8	0.13	2.4	1.3	2	3.5	119	14.9	3.9
518162	4.2	1.0	2.8	0.44	2.8	0.46	2.3	1.4	1	2.7	33	0.4	0.3
518163	1.0	0.1	0.3	< 0.05	0.2	< 0.04	0.8	23.2	4	1.5	7	5.0	7.5
518164	2.1	0.3	0.7	0.14	1.3	0.20	0.9	19.7	1	2.7	8	4.8	9.4
518165	0.9	0.1	0.3	0.06	0.5	0.08	0.5	15.4	2	3.3	8	2.8	5.5
518166	1.2	0.2	0.7	0.11	0.7	0.10	3.8	1.8	< 1	2.2	19	5.2	3.4
518167	0.9	0.2	0.5	0.08	0.5	0.08	4.6	1.0	< 1	2.6	8	2.9	1.3
518168	1.8	0.2	0.6	0.13	0.9	0.15	1.5	37.4	< 1	1.9	12	6.2	9.8
518169	7.5	0.9	2.3	0.39	2.8	0.41	3.3	23.0	3	2.9	12	19.9	20.2
518170	0.3	< 0.1	0.2	< 0.05	0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	0.1	0.1
518171	7.8	1.0	2.3	0.37	2.5	0.37	2.6	26.3	4	2.0	6	18.8	10.4
518172	3.2	0.4	0.9	0.16	1.2	0.17	2.4	21.4	4	3.1	6	7.5	6.2
518173	1.7	0.2	0.6	0.12	0.9	0.14	1.8	28.6	2	2.7	6	5.2	7.1
518174	1.2	0.2	0.4	0.07	0.6	0.10	1.2	25.7	3	2.1	6	4.6	10.1
518175	1.4	0.2	0.5	0.1	0.9	0.14	1.8	28.4	2	1.8	6	5.2	11.8
518176	1.2	0.2	0.4	0.07	0.5	0.07	1.2	23.5	3	4.1	7	3.7	5.9
518177	0.7	< 0.1	0.2	< 0.05	0.4	0.06	0.4	24.0	1	0.8	13	3.7	5.9
518178	2.4	0.4	1.1	0.15	0.9	0.13	3.2	0.3	< 1	2.5	5	4.3	1.3
518179	1.5	0.3	0.8	0.12	0.8	0.13	1.4	2.6	2	2.4	71	9.7	13.5
518180	1.4	0.3	0.8	0.13	0.8	0.12	1.4	3.0	< 1	2.7	40	9.3	11.5
518181	1.6	0.2	0.5	0.09	0.7	0.11	1.7	17.2	1	4.2	13	5.9	2.8
518182	0.3	< 0.1	0.1	< 0.05	0.1	< 0.04	0.4	15.1	2	6.1	8	2.1	1.3
518183	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	34.2	3	7.2	11	1.4	2.0
518184	1.4	0.2	0.4	0.05	0.4	0.06	0.3	20.1	2	8.3	14	3.5	5.5
518185	1.4	0.2	0.4	0.07	0.4	0.06	0.2	16.5	3	4.7	16	3.5	8.3
518186	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	10.0	< 1	8.3	9	0.5	0.5
518187	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	9.1	1	10.1	10	0.3	0.4

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518188	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	23.2	5	5.7	< 5	0.7	0.6
518189	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	49.7	2	5.0	5	1.9	1.0
518190	2.8	0.6	1.8	0.29	1.9	0.29	3.4	0.3	234	0.2	18	2.9	1.4
518191	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	10.3	1	10.4	11	1.2	0.8
518192	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	7.4	< 1	10.7	8	0.7	0.6
518193	1.4	0.2	0.4	0.06	0.4	0.06	0.3	12.9	1	3.9	7	6.3	5.8
518194	2.5	0.3	0.7	0.10	0.6	0.09	1.9	58.4	5	2.3	9	10.0	13.9
518195	2.5	0.3	0.8	0.12	0.9	0.14	1.3	30.1	3	3.2	11	11.8	14.1
518196	0.8	0.1	0.2	< 0.05	0.3	< 0.04	0.2	14.5	< 1	8.0	12	2.1	4.5
518197	1.4	0.2	0.4	0.06	0.4	0.05	0.2	10.6	2	3.6	10	4.1	8.6
518198	1.4	0.2	0.4	0.06	0.4	0.05	0.8	18.3	1	3.1	7	6.7	5.3
518199	3.8	0.6	1.5	0.31	2.5	0.36	3.3	29.8	< 1	0.6	8	8.5	6.6
518200	0.2	< 0.1	0.2	< 0.05	0.1	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	< 0.1
518201	1.2	0.2	0.3	0.05	0.4	0.05	3.3	65.3	1	1.4	7	5.8	4.0
518202	1.2	0.3	0.7	0.10	0.7	0.12	4.8	16.2	< 1	2.7	11	5.5	3.0
518203	2.3	0.4	1.0	0.15	0.9	0.14	3.5	1.1	< 1	1.6	7	4.6	1.4
518204	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	0.3	24.1	< 1	< 0.1	8	2.6	5.9
518205	1.6	0.3	0.9	0.12	0.8	0.13	5.4	3.6	< 1	1.4	13	22.3	3.8
518206	1.9	0.3	0.9	0.14	1.1	0.18	3.8	1.4	< 1	1.5	16	21.0	5.6
518207	0.8	< 0.1	0.2	< 0.05	0.2	< 0.04	1.4	47.7	< 1	3.8	23	6.1	8.0
518208	1.8	0.3	0.9	0.12	0.8	0.13	5.2	1.8	< 1	2.2	15	21.5	4.0
518209	2.5	0.5	1.5	0.19	1.3	0.21	3.3	1.0	< 1	2.1	6	7.9	1.4
518210	2.8	0.6	1.6	0.22	1.5	0.24	2.9	1.0	< 1	2.1	6	7.5	1.5
518211	1.0	0.1	0.2	< 0.05	0.3	0.05	1.8	32.8	1	1.4	13	4.0	4.1
518212	2.1	0.2	0.5	0.08	0.6	0.10	5.0	58.9	6	0.9	15	4.9	8.3
518213	3.6	0.7	1.9	0.29	1.8	0.28	1.2	8.5	26	5.9	< 5	0.4	0.9
518214	1.8	0.2	0.4	0.05	0.3	0.05	4.3	63.4	4	1.6	20	5.2	8.9
518215	3.1	0.7	2.0	0.28	1.9	0.30	1.4	0.6	< 1	2.3	< 5	0.3	0.3
518216	3.7	0.7	1.8	0.24	1.5	0.22	4.3	1.5	< 1	2.7	22	20.5	4.8
518217	1.2	0.1	0.3	0.06	0.4	0.08	0.9	22.8	2	3.3	8	5.6	9.1
518218	1.7	0.2	0.5	0.11	1.0	0.16	1.6	30.8	2	4.8	7	6.3	7.8
518219	0.5	< 0.1	0.1	< 0.05	0.2	0.04	0.7	15.4	< 1	5.4	8	2.4	6.3
518220	2.9	0.6	1.9	0.31	2.4	0.39	2.7	0.4	252	0.2	16	3.4	1.5
518221	1.4	0.3	0.7	0.11	0.8	0.13	3.0	2.4	< 1	2.1	9	3.7	3.2
518222	1.8	0.3	0.9	0.13	1.0	0.15	2.8	0.9	3	2.0	12	8.6	3.2
518223	1.2	0.2	0.5	0.09	0.9	0.14	1.1	38.8	1	2.3	10	4.9	8.4
518224	1.4	0.2	0.5	0.09	1.0	0.18	1.6	44.3	< 1	1.9	11	5.3	11.9
518225	0.9	0.1	0.3	0.06	0.6	0.10	1.6	25.5	1	2.3	10	5.9	10.9
518226	2.4	0.4	1.2	0.17	1.0	0.17	3.1	3.4	< 1	3.7	41	18.5	4.4
518227	3.0	0.4	1.3	0.26	2.5	0.42	2.3	19.2	1	3.6	12	5.8	8.9
518228	0.6	< 0.1	0.2	< 0.05	0.3	0.06	0.8	20.9	11	4.1	13	4.4	5.3
518229	1.4	0.3	0.8	0.13	0.9	0.14	3.7	3.8	< 1	6.8	127	20.0	3.9
518230	0.3	< 0.1	0.2	< 0.05	0.2	< 0.04	< 0.2	< 0.1	< 1	< 0.1	< 5	< 0.1	0.1
518231	2.2	0.4	1.1	0.17	1.1	0.17	3.1	4.7	2	3.5	22	15.8	3.8
518232	2.0	0.3	0.9	0.20	1.8	0.31	1.3	37.7	2	3.4	27	5.8	10.6
518233	1.3	0.2	0.6	0.11	0.9	0.13	0.7	15.3	< 1	3.8	8	3.1	5.5
518234	1.3	0.2	0.5	0.10	1.0	0.15	0.9	14.4	3	3.3	7	3.6	6.5
518235	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.04	0.2	11.5	1	4.9	57	1.3	4.0
518236	1.4	0.3	0.9	0.12	0.9	0.14	2.9	3.1	9	2.2	51	16.6	9.9
518237	1.5	0.3	0.8	0.12	0.9	0.14	3.5	1.3	< 1	2.0	18	14.8	3.2

Results

Activation Laboratories Ltd.

Report: A23-16880

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518238	2.2	0.3	1.0	0.21	1.9	0.30	1.3	23.7	< 1	3.1	10	4.8	8.3
518239	1.6	0.3	0.8	0.16	1.4	0.22	1.3	19.9	6	3.3	11	5.1	10.7
518240	2.1	0.3	1.0	0.21	1.9	0.31	1.1	19.6	< 1	3.1	10	4.4	9.1
518241	1.3	0.2	0.6	0.10	0.9	0.16	1.5	19.5	< 1	3.8	14	3.6	10.8
518242	1.9	0.3	1.0	0.13	1.0	0.14	3.3	3.4	< 1	2.3	23	17.6	4.3

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas			11.16	1.82	0.78	0.012	0.34	42.93	0.86	0.53	0.111	30.40					1690						
NIST 694 Cert			11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740						
DNC-1 Meas			46.93	18.24	9.61	0.143	10.05	11.25	1.91	0.22	0.474	0.07			31		149						
DNC-1 Cert			47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070			31		148						
GBW 07113 Meas			69.25	12.73	3.22	0.137	0.15	0.59	2.46	5.34	0.287	0.05			5	4	< 5						
GBW 07113 Cert			72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500			5.00	4.00	5.00						
SY-4 Meas			50.00	20.11	6.05	0.103	0.52	7.89	6.95	1.66	0.291	0.13			< 1	3	6						
SY-4 Cert			49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131			1.1	2.6	8.0						
BIR-1a Meas			48.26	15.51	11.05	0.166	9.68	13.39	1.83	0.03	0.983	0.02			43	< 1	325						
BIR-1a Cert			47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021			44	0.58	310						
NCS DC86304 Meas	10300	1.06																					
NCS DC86304 Cert	10600.00	1.06																					
NCS DC86304 Meas	10900	1.09																					
NCS DC86304 Cert	10600.00	1.06																					
NCS DC86304 Meas	10400	1.09																					
NCS DC86304 Cert	10600.00	1.06																					
NCS DC86304 Meas		1.03																					
NCS DC86304 Cert		1.06																					
BCR-2 Meas			54.70	13.59	13.67	0.190	3.57	7.26	3.06	1.79	2.272	0.37			33		433						
BCR-2 Cert			54.1	13.5	13.8	0.196	3.59	7.12	3.16	1.79	2.26	0.35			33		416						
Lithium Tetraborate FX-LT 100 lot#220610B Meas	> 50000	7.84																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert	82100	8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas	> 50000	8.31																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert	82100	8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas	> 50000	8.35																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert	82100	8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas	> 50000	8.16																					
Lithium	82100	8																					

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas		8.30																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		8.14																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		7.89																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		8.33																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		8.40																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		7.91																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		8.26																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT		8.33																					

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		7.85																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
Lithium Tetraborate FX-LT 100 lot#220610B Meas		8.22																					
Lithium Tetraborate FX-LT 100 lot#220610B Cert		8																					
OREAS 922 (Peroxide Fusion) Meas		< 0.01																					
OREAS 922 (Peroxide Fusion) Cert																							
W-2b Meas			53.12	15.65	10.79	0.160	6.33	10.90	2.21	0.62	1.089	0.15			36	< 1	271						
W-2b Cert			52.68	15.45	10.83	0.167	6.370	10.860	2.200	0.626	1.06	0.140			36.0	1.3	260						
OREAS 680 (Peroxide Fusion) Meas		< 0.01																					
OREAS 680 (Peroxide Fusion) Cert		0.00145																					
OREAS 680 (Peroxide Fusion) Meas		< 0.01																					
OREAS 680 (Peroxide Fusion) Cert		0.00145																					
OREAS 680 (Peroxide Fusion) Meas		< 0.01																					
OREAS 680 (Peroxide Fusion) Cert		0.00145																					
OREAS 680 (Peroxide Fusion) Meas		< 0.01																					
OREAS 680 (Peroxide Fusion) Cert		0.00145																					
OREAS 624 (Peroxide Fusion) Meas		< 0.01																					
OREAS 624 (Peroxide Fusion) Cert		0.00103																					

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
OREAS 624 (Peroxide Fusion) Meas		< 0.01																					
OREAS 624 (Peroxide Fusion) Cert		0.00103																					
OREAS 624 (Peroxide Fusion) Meas		< 0.01																					
OREAS 624 (Peroxide Fusion) Cert		0.00103																					
OREAS 624 (Peroxide Fusion) Meas		< 0.01																					
OREAS 624 (Peroxide Fusion) Cert		0.00103																					
OREAS 624 (Peroxide Fusion) Meas		< 0.01																					
OREAS 624 (Peroxide Fusion) Cert		0.00103																					
OREAS 148 (Peroxide Fusion) Meas	4890	0.49																					
OREAS 148 (Peroxide Fusion) Cert	4760	0.48																					
OREAS 148 (Peroxide Fusion) Meas	4590	0.48																					
OREAS 148 (Peroxide Fusion) Cert	4760	0.48																					
OREAS 148 (Peroxide Fusion) Meas	4690	0.46																					
OREAS 148 (Peroxide Fusion) Cert	4760	0.48																					
OREAS 148 (Peroxide Fusion) Meas	4960	0.47																					
OREAS 148 (Peroxide Fusion) Cert	4760	0.48																					
OREAS 148 (Peroxide Fusion) Meas		0.49																					
OREAS 148 (Peroxide Fusion) Cert		0.48																					
OREAS 148 (Peroxide Fusion) Meas		0.50																					
OREAS 148 (Peroxide Fusion) Cert		0.48																					

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
OREAS 620 (Peroxide Fusion) Meas		< 0.01																					
OREAS 620 (Peroxide Fusion) Cert																							
OREAS 317 (Borate Peroxide Fusion) Meas		< 0.01																					
OREAS 317 (Borate Peroxide Fusion) Cert		0.00148																					
OREAS 317 (Borate Peroxide Fusion) Meas		< 0.01																					
OREAS 317 (Borate Peroxide Fusion) Cert		0.00148																					
OREAS 999 (Peroxide Fusion) Meas	27100	2.66																					
OREAS 999 (Peroxide Fusion) Cert	26700.00	2.67																					
OREAS 999 (Peroxide Fusion) Meas	26100	2.77																					
OREAS 999 (Peroxide Fusion) Cert	26700.00	2.67																					
OREAS 999 (Peroxide Fusion) Meas	25800	2.76																					
OREAS 999 (Peroxide Fusion) Cert	26700.00	2.67																					
OREAS 999 (Peroxide Fusion) Meas	26300	2.69																					
OREAS 999 (Peroxide Fusion) Cert	26700.00	2.67																					
OREAS 999 (Peroxide Fusion) Meas	27700	2.61																					
OREAS 999 (Peroxide Fusion) Cert	26700.00	2.67																					
OREAS 999 (Peroxide Fusion) Meas	26100																						
OREAS 999 (Peroxide Fusion) Cert	26700.00																						
519410 Orig	41	< 0.01																					
519410 Dup	42	< 0.01																					
518002 Orig			72.09	14.79	0.81	0.086	0.11	0.56	3.53	6.84	0.024	0.08		99.31	< 1	5	< 5	< 20	< 1	< 20	< 10	< 30	24
518002 Dup			72.51	15.33	0.77	0.082	0.11	0.56	3.52	6.85	0.024	0.08		100.2	< 1	4	< 5	< 20	< 1	< 20	< 10	< 30	27
518007 Orig	73	< 0.01																					

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518007 Dup	72	< 0.01																					
518015 Orig			49.17	14.72	13.41	0.235	7.86	9.09	1.33	1.66	0.963	0.07		99.45	44	2	316	260	51	120	90	120	17
518015 Dup			48.81	14.66	13.42	0.233	7.87	9.01	1.32	1.64	0.972	0.06		98.94	44	2	314	270	49	120	100	120	17
518017 Orig	71	< 0.01																					
518017 Dup	71	< 0.01																					
518019 Orig			75.39	14.83	0.89	0.101	0.05	0.13	4.27	3.98	0.006	0.07		100.7	1	3	< 5	< 20	< 1	< 20	< 10	70	42
518019 Dup			76.19	14.21	0.85	0.099	0.05	0.13	4.26	3.96	0.006	0.06		100.8	1	3	< 5	< 20	< 1	< 20	< 10	80	40
518027 Orig	76	< 0.01																					
518027 Dup	82	< 0.01																					
518036 Orig	482	0.05																					
518036 Dup	497	0.05																					
518037 Orig	72	< 0.01											0.46										
518037 Split PREP DUP	71	< 0.01	74.80	13.40	0.87	0.027	0.20	0.85	4.08	3.89	0.024	0.03	0.45	98.62	2	1	< 5						
518045 Orig			74.66	13.47	0.88	0.016	0.11	1.30	3.33	4.56	0.020	0.01		98.79	2	< 1	< 5	< 20	1	< 20	70	< 30	14
518045 Dup			74.78	13.13	0.89	0.016	0.11	1.31	3.31	4.53	0.020	0.02		98.54	2	< 1	< 5	< 20	1	< 20	80	< 30	15
518046 Orig	468	0.05																					
518046 Dup	473	0.05																					
518062 Orig			82.03	9.58	1.30	0.016	0.11	0.05	1.34	2.86	0.013	0.02		98.24	3	3	< 5	30	< 1	< 20	< 10	40	54
518062 Dup																		30	< 1	< 20	< 10	40	53
518065 Orig	189	0.02																					
518065 Dup	186	0.02																					
518075 Orig	89	< 0.01																					
518075 Dup	88	< 0.01																					
518085 Orig	180	0.02																					
518085 Dup	182	0.02																					
518087 Orig	301	0.03											1.24										
518087 Split PREP DUP	317	0.03	76.07	13.59	1.36	0.016	0.13	0.07	2.10	4.03	0.025	0.04	1.23	98.66	12	6	< 5	< 20	< 1	< 20	< 10	60	68
518088 Orig			73.25	15.05	0.66	0.011	0.05	0.07	2.83	7.77	0.009	0.08		100.2	5	3	< 5	< 20	< 1	< 20	< 10	< 30	33
518088 Dup			72.47	14.87	0.65	0.011	0.05	0.07	2.77	7.63	0.009	0.08		99.06	5	3	< 5	< 20	< 1	< 20	< 10	< 30	33
518094 Orig	75	< 0.01																					
518094 Dup	75	< 0.01																					
518100 Orig	< 15	< 0.01																					
518100 Dup	< 15	< 0.01																					
518103 Orig	100	0.01																					
518103 Dup	99	< 0.01																					
518105 Orig			74.65	15.45	1.12	0.094	0.09	0.15	5.41	1.84	0.014	0.05		99.77	4	5	< 5	< 20	< 1	< 20	< 10	110	58
518105 Dup			75.67	15.32	1.11	0.093	0.09	0.15	5.49	1.86	0.014	0.06		100.8	4	5	< 5	< 20	< 1	< 20	< 10	120	58
518114 Orig	383	0.04																					
518114 Dup	387	0.04																					
518132 Orig			75.49	14.14	1.24	0.016	0.06	0.21	5.66	1.49	0.013	0.06		99.10	9	5	< 5	< 20	1	< 20	< 10	50	45
518132 Dup																		< 20	< 1	< 20	< 10	50	42
518133 Orig	161	0.02																					
518133 Dup	154	0.02																					
518137 Orig	123	0.01	71.21	16.11	2.44	0.675	0.06	0.33	7.32	0.71	0.006	0.08	0.44	99.38	3	4	< 5	< 20	< 1	< 20	< 10	130	43
518137 Split PREP DUP	134	0.01	71.38	16.09	2.36	0.643	0.07	0.32	7.37	0.73	0.006	0.07	0.46	99.50	3	4	< 5	< 20	< 1	< 20	< 10	160	48
518142 Orig	218	0.02																					
518142 Dup	206	0.02																					

Analyte Symbol	Li	Li	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Sc	Be	V	Cr	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	15	0.01	0.01	0.01	0.01	0.005	0.01	0.01	0.01	0.01	0.001	0.01		0.01	1	1	5	20	1	20	10	30	1
Method Code	FUS-Na2O2	FUS-Na2O2	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Method Blank		< 0.01																					
Method Blank		< 0.01																					
Method Blank		< 0.01																					
Method Blank		< 0.01																					
Method Blank		< 0.01																					
Method Blank		< 0.01																					
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Method Blank		< 0.01																					

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas					144	17	40							109									
DNC-1 Cert					144	18.0	38							118									
GBW 07113 Meas					42	46	392							504									
GBW 07113 Cert					43.0	43.0	403							506									
SY-4 Meas					1191	123	523							346									
SY-4 Cert					1191	119	517							340									
BIR-1a Meas					109	16	16							7									
BIR-1a Cert					110	16	18							6									
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
NCS DC86304 Meas																							
NCS DC86304 Cert																							
BCR-2 Meas					340	36	189							710									
BCR-2 Cert					346	37	188							683									
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
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Lithium Tetraborate FX-LT 100 lot#220610B Cert																							

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
100 lot#220610B Cert																							
Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
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Lithium Tetraborate FX-LT 100 lot#220610B Meas																							

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
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Lithium Tetraborate FX-LT 100 lot#220610B Meas																							
Lithium Tetraborate FX-LT 100 lot#220610B Cert																							
OREAS 922 (Peroxide Fusion) Meas																							
OREAS 922 (Peroxide Fusion) Cert																							
W-2b Meas				197	21	96								181									
W-2b Cert				190	23.0	100								170									
OREAS 680 (Peroxide Fusion) Meas																							
OREAS 680 (Peroxide Fusion) Cert																							
OREAS 680 (Peroxide Fusion) Meas																							
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OREAS 680 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
OREAS 624 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
OREAS 624 (Peroxide Fusion) Cert																							
OREAS 624 (Peroxide Fusion) Meas																							
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OREAS 148 (Peroxide Fusion) Meas																							
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OREAS 148 (Peroxide Fusion) Meas																							
OREAS 148 (Peroxide Fusion) Cert																							
OREAS 148 (Peroxide Fusion) Meas																							
OREAS 620 (Peroxide Fusion) Meas																							
OREAS 620																							

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	
518017 Dup																								
518019 Orig		3	< 5	937	17	3	12	51	< 2	< 0.5	< 0.2	28	< 0.5	14.1	31	2.0	0.9	2.8	0.39	1.6	1.1	< 0.05	0.9	0.2
518019 Dup		3	< 5	957	17	3	12	56	< 2	< 0.5	< 0.2	29	< 0.5	13.8	30	2.4	0.8	2.5	0.40	1.4	1.1	< 0.05	0.9	0.1
518027 Orig																								
518027 Dup																								
518036 Orig																								
518036 Dup																								
518037 Orig																								
518037 Split PREP DUP					130	11	29							278										
518045 Orig		< 1	< 5	64	165	12	26	3	< 2	< 0.5	< 0.2	< 1	< 0.5	1.5	187	< 0.4	5.2	9.7	1.00	3.1	0.9	0.12	1.2	0.3
518045 Dup		< 1	< 5	69	162	12	26	3	2	< 0.5	< 0.2	< 1	< 0.5	1.7	188	< 0.4	5.5	10.0	1.00	3.3	1.0	0.11	1.2	0.3
518046 Orig																								
518046 Dup																								
518062 Orig		3	< 5	1080	13	< 2	< 4	54	2	< 0.5	< 0.2	75	< 0.5	21.7	5	1.7	0.6	1.0	0.10	0.3	0.2	< 0.05	0.2	< 0.1
518062 Dup		3	< 5	1090				49	2	< 0.5	< 0.2	68	< 0.5	22.3		2.1	0.4	0.9	0.11	0.4	0.3	< 0.05	0.3	< 0.1
518065 Orig																								
518065 Dup																								
518075 Orig																								
518075 Dup																								
518085 Orig																								
518085 Dup																								
518087 Orig																								
518087 Split PREP DUP		2	< 5	1090	13	8	4	93	< 2	< 0.5	< 0.2	95	< 0.5	29.8	9	1.8	0.5	1.4	0.16	0.7	0.7	< 0.05	0.9	0.3
518088 Orig		3	< 5	1580	22	6	< 4	51	< 2	< 0.5	< 0.2	21	< 0.5	61.8	18	0.4	1.0	2.3	0.29	1.0	0.9	< 0.05	0.9	0.3
518088 Dup		2	< 5	1570	21	6	< 4	48	< 2	< 0.5	< 0.2	21	< 0.5	60.8	18	< 0.4	0.9	2.0	0.25	1.0	0.8	< 0.05	1.0	0.2
518094 Orig																								
518094 Dup																								
518100 Orig																								
518100 Dup																								
518103 Orig																								
518103 Dup																								
518105 Orig		3	< 5	607	10	16	9	110	< 2	< 0.5	< 0.2	54	< 0.5	12.8	6	0.5	2.6	6.8	0.98	3.5	3.0	< 0.05	2.8	0.7
518105 Dup		4	< 5	612	10	15	11	125	< 2	< 0.5	< 0.2	57	< 0.5	13.2	6	0.7	2.8	7.7	1.07	4.0	3.3	< 0.05	3.0	0.7
518114 Orig																								
518114 Dup																								
518132 Orig		2	< 5	374	6	6	7	52	< 2	< 0.5	< 0.2	40	< 0.5	10.5	< 3	< 0.4	1.4	3.3	0.45	1.9	1.1	< 0.05	1.1	0.2
518132 Dup		2	< 5	359				54	< 2	< 0.5	< 0.2	35	< 0.5	9.6		0.5	1.2	3.1	0.40	1.8	1.1	< 0.05	1.1	0.2
518133 Orig																								
518133 Dup																								
518137 Orig		5	< 5	236	6	72	110	137	< 2	< 0.5	< 0.2	18	< 0.5	10.1	< 3	< 0.4	8.6	23.6	3.56	14.4	10.2	< 0.05	10.4	2.3
518137 Split PREP DUP		5	< 5	253	6	69	110	141	< 2	< 0.5	< 0.2	20	< 0.5	11.2	< 3	0.9	8.0	24.4	3.38	14.1	10.2	< 0.05	10.3	2.3
518142 Orig																								
518142 Dup																								
518148 Orig		1	< 5	151	69	12	42	6	< 2	< 0.5	< 0.2	3	< 0.5	8.4	255	< 0.4	11.4	20.1	1.95	6.5	1.5	0.17	1.4	0.3
518148 Dup		< 1	< 5	153	68	11	45	6	< 2	< 0.5	< 0.2	3	< 0.5	8.3	255	< 0.4	11.1	19.9	1.92	6.5	1.6	0.16	1.5	0.3
518152 Orig																								
518152 Dup																								
518162 Orig																								

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518162 Dup																							
518171 Orig																							
518171 Dup																							
518175 Orig	3	< 5	401	9	8	21	90	< 2	< 0.5	< 0.2	20	< 0.5	12.2	4	1.2	1.5	4.4	0.67	2.6	1.8	< 0.05	1.4	0.3
518175 Dup	3	< 5	413	11	8	21	82	< 2	< 0.5	< 0.2	20	< 0.5	12.5	4	1.3	1.6	4.5	0.71	2.6	1.8	< 0.05	1.5	0.3
518180 Orig	< 1	< 5	414	90	9	41	9	4	< 0.5	< 0.2	7	< 0.5	50.4	297	1.9	11.6	20.6	2.05	6.8	1.6	0.14	1.3	0.3
518180 Dup	< 1	< 5	411	89	10	39	8	4	< 0.5	< 0.2	6	< 0.5	50.0	300	2.4	11.2	19.9	1.94	6.7	1.5	0.15	1.3	0.2
518182 Orig																							
518182 Dup																							
518187 Orig	3	< 5	1830	27	< 2	< 4	7	< 2	< 0.5	< 0.2	6	< 0.5	57.2	33	< 0.4	0.1	0.2	< 0.05	0.1	< 0.1	< 0.05	< 0.1	< 0.1
518187 Split PREP DUP	4	< 5	1790	26	< 2	< 4	6	< 2	< 0.5	< 0.2	5	< 0.5	55.8	32	< 0.4	0.2	0.3	< 0.05	0.1	0.1	< 0.05	0.1	< 0.1
518191 Orig	4	< 5	1720	26	< 2	< 4	16	< 2	< 0.5	< 0.2	12	< 0.5	53.7	40	< 0.4	0.3	0.6	0.08	0.3	0.4	< 0.05	0.3	< 0.1
518191 Dup	5	< 5	1900				19	< 2	< 0.5	< 0.2	14	< 0.5	59.5		< 0.4	0.3	0.6	0.10	0.4	0.4	< 0.05	0.3	< 0.1
518200 Orig																							
518200 Dup																							
518210 Orig																							
518210 Dup																							
518218 Orig	4	< 5	985	14	10	16	48	< 2	< 0.5	< 0.2	6	< 0.5	36.9	7	4.6	1.2	4.4	0.61	2.2	1.8	< 0.05	1.6	0.4
518218 Dup	3	< 5	970				53	2	< 0.5	< 0.2	6	< 0.5	36.6		2.8	1.2	4.1	0.58	2.0	1.7	< 0.05	1.6	0.4
518220 Orig																							
518220 Dup																							
518230 Orig																							
518230 Dup																							
518235 Orig	3	< 5	997	16	< 2	4	48	2	< 0.5	< 0.2	18	< 0.5	20.0	14	< 0.4	0.4	0.9	0.12	0.5	0.2	< 0.05	0.2	< 0.1
518235 Dup	3	< 5	1000	17	< 2	< 4	48	< 2	< 0.5	< 0.2	18	< 0.5	20.3	15	< 0.4	0.4	0.9	0.12	0.5	0.3	< 0.05	0.2	< 0.1
518239 Orig																							
518239 Dup																							
518242 Orig	1	< 5	406				12	< 2	< 0.5	< 0.2	6	< 0.5	21.2		< 0.4	48.1	80.9	8.09	26.6	3.9	0.75	2.5	0.4
518242 Split PREP DUP	1	< 5	387	150	11	188	12	< 2	< 0.5	< 0.2	10	< 0.5	20.9	881	< 0.4	46.3	80.7	8.06	25.8	3.8	0.72	2.4	0.4
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank					< 2	< 2	< 4								< 3								
Method Blank					< 2	< 2	< 4								< 3								
Method Blank					< 2	< 2	< 4								< 3								
Method Blank					< 2	< 2	< 4								< 3								
Method Blank					< 2	< 2	< 4								< 3								
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Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Cs	Ba	Bi	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	5	2	2	2	4	1	2	0.5	0.2	1	0.5	0.5	3	0.4	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Method Blank																							
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Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
NIST 694 Meas													
NIST 694 Cert													
DNC-1 Meas													
DNC-1 Cert													
GBW 07113 Meas													
GBW 07113 Cert													
SY-4 Meas													
SY-4 Cert													
BIR-1a Meas													
BIR-1a Cert													
NCS DC86304 Meas													
NCS DC86304 Cert													
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NCS DC86304 Meas													
NCS DC86304 Cert													
BCR-2 Meas													
BCR-2 Cert													
Lithium Tetraborate FX-LT 100 lot#220610B Meas													
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Lithium Tetraborate FX-LT 100 lot#220610B Cert													

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
100 lot#220610B Cert													
Lithium Tetraborate FX-LT 100 lot#220610B Meas													
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Lithium Tetraborate FX-LT 100 lot#220610B Meas													
Lithium Tetraborate FX-LT 100 lot#220610B Cert													
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Lithium Tetraborate FX-LT 100 lot#220610B Meas													

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Lithium Tetraborate FX-LT 100 lot#220610B Cert													
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Lithium Tetraborate FX-LT 100 lot#220610B Meas													
Lithium Tetraborate FX-LT 100 lot#220610B Cert													
OREAS 922 (Peroxide Fusion) Meas													
OREAS 922 (Peroxide Fusion) Cert													
W-2b Meas													
W-2b Cert													
OREAS 680 (Peroxide Fusion) Meas													
OREAS 680 (Peroxide Fusion) Cert													
OREAS 680 (Peroxide Fusion) Meas													
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OREAS 680 (Peroxide Fusion) Meas													
OREAS 680 (Peroxide Fusion) Cert													
OREAS 624 (Peroxide Fusion) Meas													
OREAS 624 (Peroxide Fusion) Cert													
OREAS 624 (Peroxide Fusion) Meas													

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
OREAS 624 (Peroxide Fusion) Cert													
OREAS 624 (Peroxide Fusion) Meas													
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OREAS 624 (Peroxide Fusion) Cert													
OREAS 148 (Peroxide Fusion) Meas													
OREAS 148 (Peroxide Fusion) Cert													
OREAS 148 (Peroxide Fusion) Meas													
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OREAS 148 (Peroxide Fusion) Meas													
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OREAS 148 (Peroxide Fusion) Meas													
OREAS 148 (Peroxide Fusion) Cert													
OREAS 148 (Peroxide Fusion) Meas													
OREAS 148 (Peroxide Fusion) Cert													
OREAS 620 (Peroxide Fusion) Meas													
OREAS 620													

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
(Peroxide Fusion) Cert													
OREAS 317 (Borate Peroxide Fusion) Meas													
OREAS 317 (Borate Peroxide Fusion) Cert													
OREAS 317 (Borate Peroxide Fusion) Meas													
OREAS 317 (Borate Peroxide Fusion) Cert													
OREAS 999 (Peroxide Fusion) Meas													
OREAS 999 (Peroxide Fusion) Cert													
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OREAS 999 (Peroxide Fusion) Cert													
OREAS 999 (Peroxide Fusion) Meas													
OREAS 999 (Peroxide Fusion) Cert													
519410 Orig													
519410 Dup													
518002 Orig	0.4	< 0.1	0.1	< 0.05	0.2	< 0.04	0.5	20.6	< 1	3.0	19	2.6	4.9
518002 Dup	0.4	< 0.1	0.1	< 0.05	0.2	< 0.04	0.7	22.5	< 1	3.4	23	2.5	5.3
518007 Orig													
518007 Dup													
518015 Orig	3.5	0.7	2.1	0.32	2.2	0.35	1.4	0.4	< 1	2.9	< 5	0.3	0.5
518015 Dup	3.5	0.7	2.1	0.32	2.1	0.36	1.5	0.5	< 1	2.8	< 5	0.3	0.5
518017 Orig													

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518017 Dup													
518019 Orig	0.6	< 0.1	0.1	< 0.05	0.2	< 0.04	1.2	24.2	2	5.1	10	6.2	4.8
518019 Dup	0.6	< 0.1	0.1	< 0.05	0.2	< 0.04	1.2	22.5	3	5.6	11	6.1	4.9
518027 Orig													
518027 Dup													
518036 Orig													
518036 Dup													
518037 Orig													
518037 Split PREP DUP													
518045 Orig	1.6	0.4	1.0	0.16	1.1	0.17	1.1	0.9	1	0.3	33	5.2	9.7
518045 Dup	1.7	0.4	1.1	0.16	1.2	0.18	1.2	1.0	< 1	0.3	31	5.4	8.9
518046 Orig													
518046 Dup													
518062 Orig	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	16.2	5	4.0	< 5	0.7	0.8
518062 Dup	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	14.9	5	4.5	< 5	0.7	0.9
518065 Orig													
518065 Dup													
518075 Orig													
518075 Dup													
518085 Orig													
518085 Dup													
518087 Orig													
518087 Split PREP DUP	1.3	0.2	0.4	0.05	0.3	0.05	0.3	26.9	9	5.3	6	1.9	1.6
518088 Orig	1.2	0.1	0.4	< 0.05	0.4	0.05	< 0.2	13.6	3	9.2	13	3.2	2.4
518088 Dup	1.1	0.1	0.3	< 0.05	0.3	0.05	< 0.2	14.0	2	8.7	12	3.0	2.3
518094 Orig													
518094 Dup													
518100 Orig													
518100 Dup													
518103 Orig													
518103 Dup													
518105 Orig	3.1	0.3	0.7	0.12	0.7	0.10	0.8	46.9	7	2.6	27	11.8	9.4
518105 Dup	3.0	0.3	0.7	0.11	0.7	0.10	1.0	47.9	6	2.6	27	12.5	9.2
518114 Orig													
518114 Dup													
518132 Orig	1.1	0.1	0.3	< 0.05	0.3	0.05	0.4	11.3	5	1.8	< 5	3.0	3.3
518132 Dup	1.0	0.1	0.3	< 0.05	0.3	0.04	0.3	10.8	5	1.8	< 5	2.9	3.0
518133 Orig													
518133 Dup													
518137 Orig	13.0	1.5	3.8	0.75	5.7	0.81	9.8	57.4	4	1.1	19	41.4	35.3
518137 Split PREP DUP	13.5	1.5	4.0	0.75	5.9	0.82	10.6	62.2	4	1.3	21	39.7	37.4
518142 Orig													
518142 Dup													
518148 Orig	1.6	0.3	1.0	0.16	1.1	0.15	1.6	1.4	3	0.9	24	9.8	2.9
518148 Dup	1.6	0.3	1.0	0.16	1.1	0.16	1.7	1.4	2	0.8	22	9.6	2.9
518152 Orig													
518152 Dup													
518162 Orig													

Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
518162 Dup													
518171 Orig													
518171 Dup													
518175 Orig	1.4	0.2	0.5	0.09	0.9	0.14	1.9	29.2	1	1.8	6	5.1	11.7
518175 Dup	1.4	0.2	0.5	0.10	0.9	0.14	1.7	27.7	2	1.9	7	5.3	11.9
518180 Orig	1.4	0.3	0.8	0.13	0.7	0.11	1.5	2.9	< 1	2.8	40	9.3	11.7
518180 Dup	1.4	0.3	0.8	0.13	0.8	0.13	1.3	3.0	< 1	2.7	41	9.3	11.3
518182 Orig													
518182 Dup													
518187 Orig	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	9.1	1	10.1	10	0.3	0.4
518187 Split PREP DUP	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	9.9	1	10.1	10	0.4	0.4
518191 Orig	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	10.4	1	9.9	10	1.1	0.7
518191 Dup	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.04	< 0.2	10.2	1	11.0	12	1.3	0.8
518200 Orig													
518200 Dup													
518210 Orig													
518210 Dup													
518218 Orig	1.7	0.2	0.6	0.11	1.0	0.16	1.6	30.7	1	4.8	8	6.6	7.8
518218 Dup	1.7	0.2	0.5	0.11	0.9	0.16	1.6	30.9	4	4.7	7	6.0	7.8
518220 Orig													
518220 Dup													
518230 Orig													
518230 Dup													
518235 Orig	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.04	< 0.2	12.6	5	4.7	55	1.1	2.9
518235 Dup	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.04	0.2	12.2	< 1	4.7	57	1.2	3.2
518239 Orig													
518239 Dup													
518242 Orig	2.0	0.4	1.0	0.16	1.1	0.17	3.8	3.5	1	2.7	24	19.4	4.7
518242 Split PREP DUP	1.9	0.3	1.0	0.16	1.1	0.18	4.5	3.3	< 1	2.5	22	19.7	4.3
Method Blank													
Method Blank													
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Analyte Symbol	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1	5	0.1	0.1
Method Code	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Method Blank													
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