Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-May-12
Invoice No.:	A12-04789
Invoice Date:	23-May-12
Your Reference:	Albany Graphite

Zenyatta Ventures Ltd.
1224 Amber Drive
Thunder Bay Ontario P7B 6M5
Canada

ATTN: Andrew Dalby

CERTIFICATE OF ANALYSIS

3 Pulp samples and 63 Rock samples were submitted for analysis.

The following analytical packages were requested:

Code 1C-OES-Tbay Fire Assay ICPOES (QOP Fire Assay Tbay)
Code 4F-C Infrared
Code UT-4 Total Digestion ICP/MS

REPORT **A12-04789**

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Notes:

CERTIFIED BY :

Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

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Analyte Symbol	Au	Pd	Pt	C-Total	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppb	ppb	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05
Analysis Method	FA-ICP	FA-ICP	FA-ICP	IR	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
W1350376	16	< 5	< 5	0.14	165	1.82	4.37	7.09	1.94	4.11	0.1	230	60.6	1520	10.1	1.7	54.4	3.4	4.4	1.2	0.26	8.26	43.4	1.83
W1350377	< 2	< 5	< 5	0.31	37.6	> 3.00	0.43	7.78	2.29	1.36	0.3	21	8.1	476	1.48	3.7	4.1	2.9	6.4	0.9	< 0.05	2.23	3.3	1.64
W1350378	3	< 5	< 5	0.58	257	2.40	5.82	5.70	2.55	4.76	0.2	70	677	2050	4.87	2.1	237	3.5	11.1	1.3	< 0.05	15.3	31.7	2.49
W1350379	< 2	< 5	< 5	0.30	92.5	2.87	1.51	6.43	3.02	1.87	0.1	30	156	826	2.22	2.5	56.1	2.2	5.7	0.8	< 0.05	7.18	8.9	1.14
W1350380	< 2	< 5	< 5	0.25	34.8	> 3.00	0.57	7.33	3.05	1.26	0.2	39	17.3	360	1.75	2.9	5.7	2.7	5.1	1.0	< 0.05	2.84	5.2	1.14
W1350381	< 2	< 5	< 5	0.16	39.0	> 3.00	0.37	6.11	2.72	1.14	0.2	3	5.1	850	2.73	5.4	1.0	3.5	4.0	1.2	< 0.05	3.52	2.8	1.96
W1350382	< 2	< 5	< 5	0.13	62.4	> 3.00	0.63	8.39	3.48	1.83	0.4	1	3.0	1160	4.35	6.2	1.3	9.8	10.6	3.5	< 0.05	4.02	3.8	4.12
W1350383	< 2	< 5	< 5	0.15	53.7	> 3.00	0.50	7.76	3.17	1.22	0.5	21	7.8	533	2.20	3.1	3.5	1.9	2.4	0.7	< 0.05	3.02	3.9	1.66
W1350384	< 2	< 5	< 5	0.08	84.1	2.78	0.60	7.62	3.42	0.90	0.3	21	8.1	532	3.06	3.4	3.1	1.1	2.3	0.4	< 0.05	7.37	5.5	0.64
W1350385	< 2	< 5	< 5	0.14	43.0	> 3.00	0.32	7.44	3.27	1.02	< 0.1	7	7.9	273	1.04	2.7	7.4	1.1	2.8	0.4	< 0.05	3.19	2.0	0.72
W1350386	7	< 5	< 5	0.95	183	0.51	> 10.0	3.47	2.12	3.64	0.2	56	350	1380	7.16	1.3	589	4.1	10.9	1.5	< 0.05	19.1	46.7	2.64
W1350387	< 2	< 5	< 5	4.70	12.2	0.05	4.86	4.16	3.51	8.19	< 0.1	21	21.0	532	1.40	2.8	12.9	0.9	1.3	0.4	< 0.05	2.38	6.0	0.61
W1350388	< 2	< 5	< 5	0.23	29.3	0.12	0.20	8.97	> 5.00	0.30	< 0.1	7	11.8	86	0.34	2.9	1.8	0.8	1.6	0.2	< 0.05	3.30	1.4	0.42
W1350389	4	< 5	< 5	0.34	28.7	0.12	0.24	8.89	> 5.00	0.35	< 0.1	7	10.8	69	0.48	3.4	1.6	1.0	1.7	0.4	< 0.05	3.49	1.3	0.47
W1350390	4	< 5	< 5	7.48	31.0	0.09	0.19	9.11	> 5.00	0.18	0.1	10	7.6	39	0.37	3.0	0.9	1.0	1.6	0.3	< 0.05	3.40	0.7	0.44
W1350391	< 2	< 5	< 5	3.44	73.2	0.09	0.43	7.85	3.92	0.46	< 0.1	30	12.9	65	0.91	3.7	1.9	1.0	3.2	0.3	< 0.05	6.29	1.7	0.43
W1350392	< 2	< 5	< 5	0.03	19.9	0.10	0.28	8.69	3.14	0.11	< 0.1	13	3.4	71	1.68	2.9	3.0	7.6	4.2	2.6	< 0.05	6.51	2.5	1.44
W1350393	5	< 5	< 5	5.91	50.4	0.10	0.77	6.79	3.81	2.36	< 0.1	6	3.4	187	0.71	2.4	1.2	1.4	2.9	0.5	< 0.05	3.15	0.6	0.46
W1350394	5	< 5	< 5	7.13	33.0	0.12	0.67	7.31	3.41	1.68	< 0.1	6	4.1	157	0.40	2.1	0.8	0.8	1.7	0.3	< 0.05	2.65	0.4	0.54
W1350395	< 2	< 5	< 5	8.21	72.4	0.33	0.47	7.33	3.66	0.85	< 0.1	7	5.6	96	0.55	1.6	0.8	0.8	3.0	0.3	< 0.05	3.42	0.5	0.73
W1350396	< 2	< 5	< 5	0.30	48.5	> 3.00	0.30	8.74	4.09	0.62	0.2	2	4.8	453	3.10	9.6	1.6	6.4	6.3	2.2	< 0.05	10.4	1.4	1.68
W1350397	3	< 5	< 5	9.70	85.1	0.96	0.49	6.59	4.91	0.88	< 0.1	8	7.2	139	0.65	3.5	1.0	3.7	4.2	1.2	< 0.05	2.75	0.5	1.13
W1350398	< 2	< 5	< 5	2.36	53.9	0.99	0.26	7.20	4.19	0.40	< 0.1	4	9.9	101	0.51	2.5	1.0	1.4	3.0	0.5	< 0.05	2.60	0.7	0.56
W1350399	< 2	< 5	< 5	0.67	71.1	1.17	0.48	7.95	> 5.00	0.39	< 0.1	13	2.7	166	0.97	2.3	2.7	1.5	2.7	0.5	< 0.05	7.74	2.5	0.61
W1350400	< 2	< 5	< 5	4.03	38.8	> 3.00	0.49	7.65	3.14	1.23	< 0.1	20	35.5	342	1.68	2.3	11.5	1.3	2.6	0.5	< 0.05	3.06	4.3	0.73
W1350401	2	< 5	< 5	0.79	50.0	1.40	0.29	7.77	3.76	0.40	< 0.1	8	10.2	163	0.64	2.3	2.1	1.5	2.3	0.5	< 0.05	4.54	1.3	0.52
W1350402	< 2	< 5	< 5	0.62	44.7	1.26	0.22	7.11	3.77	0.26	< 0.1	3	1.3	170	0.47	2.2	1.0	0.7	1.6	0.2	< 0.05	2.51	0.9	0.38
W1350403	< 2	< 5	< 5	0.87	52.7	2.33	0.29	7.59	3.55	0.41	< 0.1	5	4.0	143	0.77	2.2	2.6	15.8	4.4	5.3	< 0.05	3.04	2.6	2.56
W1350404	< 2	< 5	< 5	0.49	33.9	2.16	0.14	7.55	3.32	0.50	< 0.1	4	1.8	197	0.45	2.4	0.6	1.4	1.3	0.5	< 0.05	2.48	1.0	0.62
W1350405	< 2	< 5	< 5	0.19	48.9	2.31	0.25	7.89	3.73	0.52	< 0.1	5	4.4	181	0.61	2.1	1.1	0.6	2.2	0.2	< 0.05	3.45	1.1	0.45
W1350406	< 2	< 5	< 5	0.21	44.2	2.09	0.20	7.52	3.61	0.57	< 0.1	4	1.2	175	0.60	2.3	1.0	0.7	1.6	0.3	< 0.05	2.82	1.6	0.51
W1350407	< 2	< 5	< 5	0.34	40.6	2.22	0.20	7.57	3.84	0.57	< 0.1	5	3.2	170	0.58	2.5	1.1	0.6	1.4	0.2	< 0.05	3.34	1.2	0.63
W1350408	< 2	< 5	8	0.11	34.7	2.28	0.12	7.16	3.78	0.65	< 0.1	4	1.5	188	0.54	2.0	1.5	0.5	1.2	0.2	< 0.05	2.30	1.3	0.49
W1350409	< 2	< 5	< 5	0.13	46.2	2.51	0.18	6.93	3.26	0.80	< 0.1	5	3.7	124	0.74	2.3	1.7	0.5	1.5	0.2	< 0.05	2.31	1.6	0.49
W1350410	< 2	< 5	< 5	0.43	69.8	2.32	0.83	7.69	3.52	0.78	< 0.1	29	25.9	193	1.68	2.5	9.6	1.0	2.5	0.4	< 0.05	4.11	4.6	1.13
W1350411	< 2	< 5	< 5	0.26	42.8	2.67	0.21	7.51	4.11	0.72	< 0.1	5	5.0	123	0.76	2.5	2.4	0.6	1.8	0.2	< 0.05	2.39	2.4	0.55
W1350412	< 2	< 5	< 5	0.28	31.5	2.57	0.17	7.44	3.59	0.58	< 0.1	4	2.5	152	0.63	2.5	2.1	0.6	1.3	0.2	< 0.05	2.24	1.8	0.53
W1350413	< 2	< 5	< 5	0.47	35.0	2.57	0.25	7.29	3.96	0.63	< 0.1	5	3.4	193	0.79	2.1	2.5	0.8	1.7	0.3	< 0.05	2.56	1.8	1.20
W1350414	< 2	< 5	< 5	0.54	45.8	2.57	0.48	7.72	3.51	1.08	< 0.1	11	21.4	364	1.54	1.9	4.9	2.5	3.3	1.1	< 0.05	3.01	2.5	5.43
W1350415	< 2	< 5	< 5	0.14	32.5	2.77	0.16	7.70	3.63	0.81	< 0.1	5	3.5	171	0.77	2.5	1.7	0.4	1.3	0.2	< 0.05	2.84	1.4	0.65
W1350416	< 2	< 5	< 5	0.25	42.5	2.69	0.30	7.66	3.69	0.77	< 0.1	5	9.0	195	0.95	2.3	4.8	0.4	1.5	0.2	< 0.05	3.43	1.9	0.79
W1350417	< 2	< 5	< 5	0.16	36.5	2.89	0.16	7.80	3.73	0.80	< 0.1	4	3.4	174	0.76	2.3	2.2	0.4	1.7	0.2	< 0.05	2.26	1.3	0.49
W1350418	< 2	< 5	< 5	0.30	34.0	2.64	0.17	7.48	3.46	0.68	< 0.1	4	2.0	154	0.69	2.2	3.3	0.5	1.4	0.2	< 0.05	2.29	1.5	0.60
W1350419	< 2	< 5	< 5	0.57	37.9	2.62	0.22	7.30	3.51	0.63	< 0.1	4	1.8	187	0.81	2.4	2.7	0.7	2.0	0.3	< 0.05	2.87	1.7	0.82
W1350420	< 2	< 5	< 5	0.66	125	2.12	1.93	5.44	3.09	1.38	< 0.1	35	311	460	2.10	2.0	76.3	1.1	5.0	0.4	< 0.05	7.10	12.3	0.56
W1350421	3	< 5	< 5	1.24	47.9	2.51	0.42	7.05	3.33	0.54	< 0.1	7	9.7	120	0.79	1.6	5.5	1.1	3.6	0.4	< 0.05	3.35	2.0	0.84
W1350422	< 2	< 5	< 5	0.90	117	2.18	4.13	7.34	3.25	2.56	< 0.1	72	536	799	3.50	2.3	156	1.2	3.0	0.4	< 0.05	9.99	22.9	0.96
W1350423	< 2	< 5	< 5	1.38	44.8	2.53	0.29	7.25	3.65	0.49	< 0.1	5	5.0	83	0.64	1.8	4.4	0.6	3.5	0.2	< 0.05	3.78	2.2	0.46
W1350424	3	< 5	< 5	0.35	40.7	2.68	0.22	7.59	3.49	0.57	< 0.1	5	6.5	145	0.78	2.5	1.6	0.5	1.9	0.2	< 0.05	3.15	1.2	0.45
W1350425	5	< 5	< 5	10.0	15.2	> 3.00	0.37	6.85	2.45	1.09	< 0.1	15	24.0	255	1.47	2.1	9.3	1.0	2.3	0.4	< 0.05	1.57	3.5	0.74
W1350426	< 2	< 5	< 5	2.25	83.9	2.95	0.29	7.73	4.16	0.63	< 0.1	5	4.4	142	0.81	2.4	1.1	2.5	4.8	0.8	< 0.05	2.73	1.1	0.91
W1350427	< 2	< 5	< 5	0.43	35.3	2.61	0.14	7.50	3.79	0.77	< 0.1	4	4.4	176	0.79	2.2	0.7	0.7	1.9	0.2	< 0.05	2.95	1.1	0.52

Activation Laboratories Ltd. Report: A12-04789

Analyte Symbol	Au	Pd	Pt	C-Total	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppb	ppb	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05
Analysis Method	FA-ICP	FA-ICP	FA-ICP	IR	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
W1350428	< 2	< 5	< 5	0.91	43.8	2.89	0.22	7.54	3.48	0.90	< 0.1	6	9.7	176	0.84	2.5	2.9	0.6	2.1	0.2	< 0.05	2.95	1.6	0.55
W1350429	< 2	< 5	< 5	0.69	13.3	0.20	0.14	0.55	0.24	0.45	< 0.1	2	19.6	161	0.30	< 0.1	7.7	0.2	0.6	< 0.1	< 0.05	1.50	1.4	0.14
W1350430	< 2	< 5	< 5	0.44	64.2	> 3.00	1.10	6.31	2.54	2.06	< 0.1	24	21.6	785	1.94	2.4	10.7	1.3	2.3	0.7	< 0.05	6.22	2.8	3.90
W1350431	< 2	< 5	< 5	0.49	30.5	2.86	0.19	7.44	3.51	0.86	0.1	8	8.7	245	0.99	2.4	1.4	1.3	2.7	0.4	< 0.05	2.84	1.9	0.84
W1350432	< 2	< 5	< 5	0.61	110	> 3.00	0.43	7.64	3.36	1.18	< 0.1	13	12.2	315	1.28	2.2	5.0	2.8	6.9	0.9	< 0.05	4.62	3.1	0.83
W1350433	< 2	< 5	< 5	0.51	52.4	2.86	0.32	7.62	3.47	0.83	< 0.1	7	8.4	180	0.87	2.4	7.8	0.9	3.2	0.3	< 0.05	3.40	3.5	0.50
W1350434	< 2	< 5	< 5	0.54	48.7	> 3.00	0.56	8.82	4.11	0.83	0.2	3	7.2	537	3.05	13.5	4.8	8.1	7.0	2.8	< 0.05	6.26	2.4	3.29
W1350435	3	< 5	< 5	1.66	41.9	> 3.00	0.18	7.78	3.46	0.99	< 0.1	5	3.0	206	1.09	2.8	1.5	2.5	4.4	0.9	< 0.05	2.95	1.4	0.77
W1350436	< 2	< 5	< 5	0.74	49.3	> 3.00	0.29	7.80	2.96	1.08	< 0.1	10	15.4	212	0.90	2.6	7.6	0.9	2.6	0.3	< 0.05	4.51	2.3	0.41
W1350437	< 2	< 5	< 5	0.81	34.2	> 3.00	0.15	7.79	3.06	0.97	< 0.1	7	3.8	220	0.89	2.4	0.9	0.6	2.3	0.2	< 0.05	3.10	1.3	0.43
W1350438	< 2	< 5	< 5	0.59	43.4	> 3.00	0.16	7.61	3.01	0.84	< 0.1	6	6.1	224	0.96	2.5	1.9	0.7	1.5	0.3	< 0.05	2.91	1.4	0.59
W1350439	< 2	< 5	< 5	0.61	46.3	> 3.00	0.15	7.68	2.97	0.96	< 0.1	6	3.2	212	0.94	2.5	1.0	0.6	1.8	0.2	< 0.05	3.43	1.3	0.65
W1350440	< 2	< 5	< 5	0.40	52.6	> 3.00	0.27	6.74	2.30	1.06	< 0.1	7	21.1	254	0.95	3.1	9.3	0.6	2.1	0.2	< 0.05	4.12	2.1	0.35
W1350441	< 2	< 5	< 5	0.86	41.4	> 3.00	4.68	8.87	2.45	3.99	0.1	4	5.5	3040	8.29	2.0	3.5	2.1	3.6	0.8	< 0.05	2.51	15.2	4.82

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
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	ppm
Detection Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.1	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
W1350376	0.10	1.2	113	19.0	11.6	103	34.0	304	59	1.0	1.3	< 0.1	3	< 0.1	< 0.1	507	93.5	160	15.8	51.6	8.1	7.4	1.0	5.9
W1350377	0.06	0.3	78.8	20.1	5.1	95.0	26.8	239	143	21.6	2.9	< 0.1	2	0.2	< 0.1	768	71.2	134	13.9	47.1	8.2	6.6	0.8	4.8
W1350378	0.07	0.8	185	16.7	107	259	38.4	325	82	23.4	6.6	< 0.1	3	0.7	< 0.1	1230	107	196	20.9	74.8	14.6	12.4	1.4	7.2
W1350379	0.05	< 0.1	82.0	19.7	41.2	169	24.8	274	98	28.5	2.5	< 0.1	2	< 0.1	< 0.1	924	36.5	70.5	7.7	26.8	4.9	4.2	0.6	3.7
W1350380	0.05	< 0.1	63.9	21.7	2.6	109	30.7	239	107	16.9	1.6	< 0.1	1	< 0.1	< 0.1	993	42.9	92.4	9.4	34.4	6.8	5.8	0.8	4.9
W1350381	0.11	0.3	95.9	22.8	4.3	102	30.4	228	233	69.8	2.0	< 0.1	4	< 0.1	< 0.1	1880	45.7	118	10.8	39.6	7.6	6.8	1.0	6.0
W1350382	0.11	1.5	136	29.2	5.1	147	110	299	314	25.7	0.6	< 0.1	3	< 0.1	< 0.1	2210	123	244	26.7	96.3	19.2	18.6	2.9	17.5
W1350383	0.06	< 0.1	170	23.3	2.5	102	20.0	255	113	16.6	0.8	< 0.1	1	< 0.1	< 0.1	1230	64.4	138	15.9	57.5	10.5	7.5	0.8	4.1
W1350384	0.04	< 0.1	172	26.0	1.8	190	12.3	182	128	29.4	0.4	< 0.1	2	< 0.1	< 0.1	768	41.3	75.3	7.3	22.7	3.4	2.8	0.4	2.0
W1350385	0.07	< 0.1	41.4	22.0	2.0	135	11.6	196	93	13.4	0.6	< 0.1	1	< 0.1	< 0.1	1040	31.3	60.3	6.3	21.5	3.5	2.9	0.4	2.0
W1350386	0.65	0.1	241	10.9	105	207	38.8	209	83	1.2	1.7	< 0.1	< 1	< 0.1	< 0.1	1730	53.7	118	14.1	54.6	11.1	10.6	1.5	7.8
W1350387	0.05	< 0.1	9.7	9.2	12.5	45.5	11.5	76.6	109	9.0	1.2	< 0.1	< 1	0.2	< 0.1	379	11.8	33.4	3.4	13.8	2.9	2.9	0.4	2.0
W1350388	0.21	< 0.1	6.9	22.1	2.3	88.7	8.1	163	106	11.3	0.6	< 0.1	1	< 0.1	< 0.1	713	36.3	50.7	3.9	11.2	1.7	1.4	0.2	1.2
W1350389	0.37	< 0.1	4.8	21.2	3.1	103	10.5	130	108	13.1	0.5	< 0.1	< 1	< 0.1	< 0.1	654	40.8	63.5	5.2	15.6	2.6	2.3	0.3	1.8
W1350390	0.24	< 0.1	52.4	20.3	0.4	129	9.2	132	102	14.3	< 0.1	< 0.1	< 1	< 0.1	< 0.1	619	25.2	42.8	3.9	12.9	2.3	1.9	0.3	1.6
W1350391	0.17	< 0.1	23.1	23.7	0.3	116	8.5	209	115	23.6	< 0.1	< 0.1	2	< 0.1	< 0.1	485	22.9	41.5	3.6	12.0	2.2	1.9	0.3	1.5
W1350392	0.21	0.7	39.7	23.9	1.3	86.2	69.6	24.4	225	27.5	< 0.1	< 0.1	3	< 0.1	< 0.1	116	155	227	36.0	124	19.8	14.8	2.2	13.3
W1350393	0.14	< 0.1	15.4	16.5	1.4	79.6	15.5	119	84	12.0	0.1	< 0.1	< 1	< 0.1	< 0.1	610	42.5	68.9	6.0	19.4	3.5	3.2	0.5	2.6
W1350394	0.23	< 0.1	9.5	17.3	0.9	74.0	8.5	114	76	7.2	< 0.1	< 0.1	< 1	< 0.1	< 0.1	760	23.1	42.5	4.0	13.1	2.4	2.0	0.3	1.5
W1350395	0.65	< 0.1	16.4	17.9	1.8	78.5	9.4	142	61	11.9	0.6	< 0.1	1	< 0.1	< 0.1	700	40.9	71.1	7.0	22.5	3.6	2.8	0.4	1.8
W1350396	0.12	0.2	85.8	27.3	2.4	178	57.8	47.3	471	60.7	< 0.1	< 0.1	5	< 0.1	< 0.1	111	172	341	36.7	129	23.1	16.0	2.1	11.6
W1350397	0.45	< 0.1	38.3	18.9	0.4	113	34.2	167	335	43.0	0.4	< 0.1	3	< 0.1	< 0.1	814	52.5	97.3	10.2	35.3	7.5	6.6	1.0	6.0
W1350398	0.19	< 0.1	19.2	17.0	1.2	79.5	14.5	138	85	8.6	< 0.1	< 0.1	1	< 0.1	< 0.1	752	32.3	54.2	5.2	16.7	2.9	2.6	0.4	2.4
W1350399	0.12	< 0.1	35.6	18.1	0.4	122	15.2	177	85	9.2	< 0.1	< 0.1	< 1	< 0.1	< 0.1	733	21.5	39.6	4.2	14.3	3.2	2.9	0.5	2.6
W1350400	0.09	< 0.1	34.9	18.9	0.5	129	14.5	291	83	17.2	0.2	< 0.1	1	< 0.1	< 0.1	643	21.1	41.0	4.4	15.0	2.7	2.5	0.4	2.6
W1350401	0.30	< 0.1	25.5	19.2	0.8	76.9	16.1	177	67	6.3	1.4	< 0.1	< 1	< 0.1	< 0.1	770	18.1	33.5	3.5	12.0	2.5	2.3	0.4	2.4
W1350402	0.14	< 0.1	10.0	16.3	0.4	84.6	7.1	147	61	6.7	< 0.1	< 0.1	< 1	< 0.1	< 0.1	710	19.0	34.8	3.5	11.4	1.9	1.5	0.2	1.2
W1350403	0.22	2.0	22.2	19.9	3.8	95.0	163	185	69	8.8	0.5	< 0.1	< 1	< 0.1	< 0.1	709	57.6	138	17.7	70.6	20.1	20.3	3.9	25.8
W1350404	0.11	< 0.1	13.3	17.3	0.7	90.6	14.7	158	66	8.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	706	23.6	45.0	4.7	17.0	3.6	3.1	0.5	2.7
W1350405	0.12	< 0.1	17.7	19.8	0.6	99.1	6.8	175	64	7.3	< 0.1	< 0.1	< 1	< 0.1	< 0.1	744	20.3	37.3	3.8	12.0	1.9	1.5	0.2	1.1
W1350406	0.17	< 0.1	16.0	17.0	1.6	88.3	7.5	165	67	6.6	0.6	< 0.1	< 1	< 0.1	< 0.1	770	26.5	47.7	4.8	16.0	2.7	2.2	0.3	1.5
W1350407	0.14	< 0.1	15.8	18.8	4.8	102	6.4	196	68	6.3	0.8	< 0.1	< 1	< 0.1	< 0.1	774	23.8	42.5	4.3	14.2	2.4	2.0	0.3	1.3
W1350408	0.10	< 0.1	15.8	16.7	2.2	104	5.5	165	59	5.9	< 0.1	< 0.1	< 1	< 0.1	< 0.1	686	21.7	38.8	3.8	12.7	2.2	1.9	0.2	1.2
W1350409	0.10	< 0.1	20.9	18.8	2.5	93.6	6.2	191	79	7.4	< 0.1	< 0.1	< 1	< 0.1	< 0.1	642	23.4	43.1	4.3	13.6	2.3	1.9	0.2	1.2
W1350410	0.14	< 0.1	30.5	20.0	1.2	107	11.2	262	85	18.3	0.1	< 0.1	2	< 0.1	< 0.1	833	39.6	75.6	8.0	28.0	4.9	3.7	0.5	2.4
W1350411	0.14	< 0.1	21.2	20.2	6.0	119	6.9	215	85	8.6	1.2	< 0.1	< 1	< 0.1	< 0.1	824	25.8	48.1	4.7	15.0	2.5	1.9	0.3	1.4
W1350412	0.20	< 0.1	18.4	18.3	2.2	106	6.1	187	71	8.8	0.2	< 0.1	< 1	< 0.1	< 0.1	691	19.4	35.0	3.5	11.5	2.0	1.7	0.2	1.2
W1350413	0.19	< 0.1	21.9	17.2	1.5	118	8.9	222	65	11.6	0.3	< 0.1	1	< 0.1	< 0.1	1020	43.2	77.0	7.6	25.9	4.6	4.0	0.5	2.2
W1350414	0.30	0.3	30.4	21.1	1.9	91.3	29.1	370	62	18.4	3.9	< 0.1	2	< 0.1	0.1	1840	152	285	29.0	101	19.5	16.4	1.9	8.1
W1350415	0.10	< 0.1	28.1	18.6	1.1	107	4.5	189	71	8.3	0.2	< 0.1	< 1	< 0.1	< 0.1	771	24.0	44.4	4.4	14.7	2.6	2.1	0.3	1.1
W1350416	0.12	< 0.1	29.7	20.5	1.2	117	5.4	236	72	8.8	1.6	< 0.1	1	< 0.1	< 0.1	818	26.2	49.8	5.2	17.2	2.9	2.2	0.3	1.2
W1350417	0.09	< 0.1	21.6	20.1	1.0	104	4.7	197	72	8.9	0.1	< 0.1	< 1	< 0.1	< 0.1	801	18.6	34.7	3.5	11.2	1.9	1.4	0.2	0.9
W1350418	0.12	< 0.1	20.1	18.2	1.5	92.7	5.0	222	65	8.7	< 0.1	< 0.1	< 1	< 0.1	< 0.1	865	22.7	39.4	3.8	12.6	2.1	1.7	0.2	1.0
W1350419	0.18	< 0.1	22.4	16.5	2.9	95.7	8.0	313	72	10.3	2.4	< 0.1	< 1	< 0.1	< 0.1	955	56.1	83.1	7.4	22.0	3.3	2.7	0.3	1.7
W1350420	0.53	< 0.1	55.7	16.6	5.7	76.9	9.3	314	68	21.7	1.8	< 0.1	2	< 0.1	< 0.1	897	17.9	39.0	4.2	14.4	2.6	2.2	0.3	1.9
W1350421	0.18	< 0.1	14.3	18.2	1.3	93.5	10.6	289	53	14.6	< 0.1	< 0.1	< 1	< 0.1	< 0.1	862	36.1	69.2	7.3	24.5	4.1	3.0	0.4	2.2
W1350422	0.40	< 0.1	68.8	18.5	5.9	140	12.5	349	79	20.3	0.6	< 0.1	2	< 0.1	< 0.1	692	21.0	44.5	5.2	19.5	3.6	2.9	0.4	2.2
W1350423	0.25	< 0.1	8.4	16.5	2.2	98.3	5.6	191	56	10.7	< 0.1	< 0.1	< 1	< 0.1	< 0.1	765	14.5	28.1	2.8	9.3	1.5	1.3	0.2	1.1
W1350424	0.16	< 0.1	24.5	19.4	1.7	94.4	5.3	185	73	10.9	0.6	< 0.1	< 1	< 0.1	< 0.1	760	17.3	32.5	3.3	10.7	1.9	1.4	0.2	1.0
W1350425	0.15	< 0.1	30.6	15.9	0.4	64.1	10.2	248	73	17.4	0.8	< 0.1	2	0.1	< 0.1	628	27.2	51.8	5.3	17.2	2.9	2.4	0.4	2.0
W1350426	0.20	< 0.1	24.0	21.0	1.0	123	23.3	186	77	13.7	< 0.1	< 0.1	< 1	< 0.1	0.2	829	26.4	60.5	7.3	27.4	6.6	4.7	0.7	4.3
W1350427	0.12	< 0.1	24.6	17.0	0.5	106	7.2	214	68	9.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	903	14.0	26.7	2.7	8.9	1.7	1.5	0.2	1.3

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Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
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	ppm
Detection Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.1	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
W1350428	0.15	< 0.1	22.4	18.0	1.7	102	6.7	213	75	10.7	0.2	< 0.1	< 1	< 0.1	< 0.1	777	19.3	35.8	3.5	11.6	2.0	1.7	0.2	1.3
W1350429	0.04	< 0.1	7.9	2.1	22.7	12.8	2.0	25.1	4	5.2	< 0.1	< 0.1	< 1	< 0.1	< 0.1	86	3.5	6.7	0.7	2.3	0.5	0.4	< 0.1	0.4
W1350430	0.12	< 0.1	82.0	20.4	7.2	88.4	15.1	431	72	22.5	0.1	< 0.1	3	< 0.1	< 0.1	1010	77.7	173	18.4	67.8	13.6	12.3	1.4	5.4
W1350431	0.12	< 0.1	61.3	17.9	1.8	107	13.7	232	70	10.9	1.7	< 0.1	1	< 0.1	< 0.1	756	26.4	45.6	4.5	14.8	2.7	2.6	0.4	2.4
W1350432	0.27	< 0.1	38.2	17.6	1.7	123	25.1	188	80	15.0	3.7	< 0.1	2	< 0.1	< 0.1	647	120	195	17.7	49.8	6.6	4.9	0.7	4.8
W1350433	0.34	< 0.1	45.9	20.0	3.5	107	8.6	193	83	12.3	0.1	< 0.1	1	< 0.1	< 0.1	740	28.3	50.2	5.0	15.9	2.5	1.8	0.3	1.5
W1350434	0.25	0.8	67.9	25.6	11.0	181	74.9	77.9	571	44.0	2.5	< 0.1	5	< 0.1	< 0.1	537	266	496	51.3	173	28.7	21.4	2.7	15.0
W1350435	0.29	< 0.1	25.1	18.5	2.0	128	23.2	157	92	22.8	0.9	< 0.1	< 1	< 0.1	< 0.1	618	64.2	115	11.2	34.6	5.7	5.1	0.8	4.7
W1350436	0.17	< 0.1	25.5	21.0	6.7	110	9.9	207	85	9.7	0.1	< 0.1	< 1	< 0.1	0.3	553	18.2	35.5	3.7	11.9	2.1	1.7	0.3	1.6
W1350437	0.17	< 0.1	17.8	19.4	1.4	111	7.4	166	77	10.9	0.2	< 0.1	< 1	< 0.1	< 0.1	555	18.2	33.4	3.4	11.1	2.0	1.6	0.2	1.3
W1350438	0.19	< 0.1	48.2	17.3	< 0.1	108	7.8	163	77	10.7	< 0.1	< 0.1	< 1	< 0.1	< 0.1	581	27.9	49.4	5.0	16.2	2.8	2.2	0.3	1.4
W1350439	0.15	< 0.1	29.3	19.0	0.4	118	6.9	173	80	8.9	< 0.1	< 0.1	< 1	< 0.1	< 0.1	582	30.0	53.4	5.3	17.3	3.1	2.2	0.3	1.3
W1350440	0.13	< 0.1	28.7	19.8	0.6	98.4	6.4	185	95	11.8	0.4	< 0.1	< 1	< 0.1	< 0.1	564	15.3	32.1	3.1	10.6	2.0	1.6	0.2	1.2
W1350441	0.04	< 0.1	138	17.5	4.3	102	21.1	> 1000	149	122	3.8	0.1	2	< 0.1	< 0.1	> 6000	149	284	29.4	94.4	11.4	7.5	0.8	4.4

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
W1350376	129	0.6	0.5	3.0	0.4	< 0.1	0.3	0.005	0.71	46.8	15.3	0.7
W1350377	12.7	0.2	0.5	3.2	0.5	0.9	3.7	0.003	0.50	45.0	69.9	2.2
W1350378	18.8	0.3	0.5	3.3	0.5	0.9	3.5	0.002	1.42	18.3	32.4	1.6
W1350379	14.4	0.3	0.3	1.9	0.3	1.2	2.7	0.002	0.80	17.4	19.4	2.2
W1350380	28.4	0.2	0.4	2.1	0.3	0.6	2.9	0.003	0.57	21.5	10.3	1.0
W1350381	17.0	0.2	0.5	3.2	0.5	3.7	3.2	0.004	0.63	26.6	9.2	2.1
W1350382	20.4	0.4	1.3	6.9	0.9	1.2	1.1	< 0.001	0.65	35.4	28.0	4.2
W1350383	20.8	0.3	0.3	1.6	0.2	0.7	1.4	0.002	0.52	29.0	8.6	1.2
W1350384	44.4	0.3	0.2	1.0	0.1	1.1	1.6	0.003	1.00	43.6	8.9	2.0
W1350385	12.0	0.1	0.2	1.0	0.2	0.5	1.6	0.003	0.56	21.3	9.5	2.0
W1350386	36.4	0.6	0.7	4.2	0.6	< 0.1	0.2	0.001	1.53	23.7	37.9	4.7
W1350387	20.8	< 0.1	0.1	0.7	0.1	0.3	1.4	< 0.001	0.64	33.8	4.8	1.8
W1350388	9.5	< 0.1	0.1	0.8	0.1	0.5	1.6	< 0.001	0.63	12.4	6.0	1.1
W1350389	7.1	< 0.1	0.2	1.0	0.2	0.8	1.8	0.001	0.79	15.8	9.1	2.1
W1350390	9.3	0.1	0.2	1.0	0.2	0.6	1.7	0.002	0.52	16.8	8.7	2.1
W1350391	6.5	0.1	0.2	1.0	0.2	1.7	3.4	< 0.001	0.54	12.1	5.1	3.2
W1350392	5.1	0.3	1.2	7.2	1.1	1.4	0.8	< 0.001	0.66	8.8	55.0	2.5
W1350393	3.7	< 0.1	0.2	1.3	0.2	0.5	1.0	< 0.001	0.48	20.7	12.5	2.6
W1350394	3.2	< 0.1	0.1	0.7	0.1	0.1	0.8	0.004	0.43	15.6	8.0	2.0
W1350395	4.5	0.1	0.1	0.7	0.1	0.4	1.0	< 0.001	0.36	17.6	14.3	1.6
W1350396	2.5	0.7	1.0	5.9	0.9	2.8	2.7	0.001	1.04	17.5	35.7	7.8
W1350397	10.5	0.3	0.6	3.9	0.6	1.8	1.0	0.001	0.39	34.9	70.4	10.6
W1350398	7.3	0.1	0.2	1.3	0.2	< 0.1	1.7	< 0.001	0.39	22.8	13.1	1.5
W1350399	8.9	0.2	0.2	1.3	0.2	0.3	1.5	< 0.001	0.71	13.6	18.9	1.2
W1350400	11.7	0.2	0.2	1.1	0.2	1.0	0.6	0.002	0.49	15.2	9.8	2.7
W1350401	10.7	0.1	0.2	1.3	0.2	< 0.1	1.4	0.006	0.59	13.8	6.4	0.9
W1350402	5.5	0.1	< 0.1	0.6	< 0.1	0.3	2.5	0.002	0.52	15.0	5.6	0.8
W1350403	10.0	0.3	2.4	12.7	1.6	0.2	4.5	0.001	0.51	18.7	30.7	1.9
W1350404	3.7	< 0.1	0.2	1.2	0.2	0.3	1.2	0.003	0.54	17.0	7.7	1.0
W1350405	7.5	0.1	< 0.1	0.6	< 0.1	0.3	0.8	< 0.001	0.73	18.3	5.7	1.1
W1350406	5.6	0.1	0.1	0.6	< 0.1	0.3	0.4	< 0.001	0.73	18.5	7.3	1.6
W1350407	6.6	0.1	< 0.1	0.6	< 0.1	0.5	0.4	0.006	0.69	18.1	9.2	1.4
W1350408	5.6	0.1	< 0.1	0.5	< 0.1	0.3	0.2	0.001	0.57	19.1	8.0	0.9
W1350409	5.4	0.1	< 0.1	0.4	< 0.1	0.4	0.2	< 0.001	0.50	17.4	5.8	0.9
W1350410	7.6	0.2	0.1	0.8	0.1	0.6	0.6	0.004	0.56	13.8	8.6	1.5
W1350411	9.3	0.2	< 0.1	0.5	< 0.1	0.4	0.4	0.002	0.47	15.6	5.6	1.2
W1350412	12.2	0.1	< 0.1	0.6	< 0.1	0.4	0.3	0.002	0.45	16.8	4.6	1.4
W1350413	7.4	0.2	0.1	0.7	0.1	< 0.1	0.4	< 0.001	0.43	14.7	21.8	1.2
W1350414	8.7	0.3	0.3	1.8	0.3	0.3	1.6	0.001	0.51	18.7	121	2.5
W1350415	9.5	0.1	< 0.1	0.4	< 0.1	0.4	0.2	< 0.001	0.54	20.2	8.7	1.2
W1350416	5.1	0.1	< 0.1	0.4	< 0.1	0.4	0.3	0.001	0.80	20.9	6.8	1.6
W1350417	6.5	0.1	< 0.1	0.5	< 0.1	0.3	0.2	0.004	0.60	20.8	5.4	2.7
W1350418	8.0	0.1	< 0.1	0.5	< 0.1	0.3	0.3	0.002	0.52	17.4	4.2	0.7
W1350419	10.8	0.2	0.1	0.7	< 0.1	0.4	0.4	0.001	0.49	16.5	5.1	0.9
W1350420	10.9	0.2	0.2	1.0	0.1	2.9	1.0	< 0.001	0.67	10.6	3.8	3.3
W1350421	9.3	0.1	0.2	1.0	0.1	< 0.1	0.6	0.003	0.43	9.2	13.2	1.3
W1350422	17.8	0.2	0.2	1.1	0.2	1.3	0.7	0.001	1.00	7.7	5.7	1.5
W1350423	5.5	0.1	< 0.1	0.6	< 0.1	0.3	1.1	0.003	0.48	8.9	5.0	1.7
W1350424	6.9	0.1	< 0.1	0.5	< 0.1	0.5	0.4	0.003	0.56	19.2	5.3	1.3
W1350425	9.5	0.1	0.1	0.8	0.1	0.8	0.6	< 0.001	0.25	12.8	9.4	2.0
W1350426	11.0	0.2	0.4	2.6	0.4	0.8	1.1	0.004	0.50	16.0	26.2	1.5
W1350427	11.7	0.1	0.1	0.7	0.1	0.6	0.7	< 0.001	0.61	18.8	4.0	1.3

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
W1350428	18.2	0.1	< 0.1	0.6	< 0.1	0.6	0.3	< 0.001	0.52	16.8	6.6	2.4
W1350429	2.9	< 0.1	< 0.1	0.2	< 0.1	< 0.1	0.3	0.004	0.08	3.4	0.8	0.3
W1350430	3.9	0.3	0.2	0.9	0.1	1.5	1.5	0.003	0.61	18.1	30.4	1.7
W1350431	12.8	0.1	0.2	1.1	0.2	0.4	0.9	0.013	0.53	25.6	7.8	1.9
W1350432	10.2	0.2	0.4	2.7	0.4	0.7	1.4	0.004	0.49	20.8	12.8	1.2
W1350433	15.4	0.2	0.1	0.8	0.1	0.7	0.8	0.003	0.50	22.2	6.2	1.3
W1350434	6.4	0.6	1.3	8.2	1.3	1.4	1.8	0.002	0.68	105	56.4	7.8
W1350435	9.0	0.2	0.4	2.3	0.3	1.1	1.0	0.001	0.53	15.7	22.2	2.6
W1350436	8.8	0.1	0.1	0.9	0.1	1.1	7.8	0.004	0.69	19.4	7.2	2.5
W1350437	5.1	< 0.1	< 0.1	0.6	< 0.1	0.9	0.8	0.002	0.70	19.2	5.4	1.7
W1350438	5.5	0.1	0.1	0.7	0.1	1.8	0.8	< 0.001	0.88	22.6	6.1	3.1
W1350439	7.8	0.1	< 0.1	0.6	< 0.1	0.9	0.2	< 0.001	0.75	19.5	5.6	2.5
W1350440	4.1	< 0.1	< 0.1	0.5	< 0.1	1.3	0.6	< 0.001	0.87	21.1	6.2	1.4
W1350441	26.4	0.5	0.3	1.6	0.2	2.9	0.4	0.002	0.30	7.6	15.0	3.5

Quality Control

Analyte Symbol	Au	Pd	Pt	C-Total	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppb	ppb	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05
Analysis Method	FA-ICP	FA-ICP	FA-ICP	IR	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas					8.1	0.04	0.20	2.21	0.04	0.79	2.5	75	8.2	892	23.0	0.4	34.9		1.2		31.9	3.23	7.4	0.60
GXR-1 Cert					8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	41.0		1.22		31.0	3.00	8.20	0.690
GXR-4 Meas					12.5	0.47	1.66	6.57	2.78	0.96	< 0.1	86	41.9	155	2.95	1.1	37.7		2.3		3.13	3.10	13.8	1.35
GXR-4 Cert					11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	42.0		1.90		4.00	2.80	14.6	1.63
SDC-1 Meas					37.1	1.49	1.07	8.70	2.17	0.95	< 0.1	31	48.3	913	4.64	0.8	31.1	3.7	3.1	1.3	< 0.05	4.35	17.1	1.58
SDC-1 Cert					34.00	1.52	1.02	8.34	2.72	1.00	0.0800	102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	0.0410	4.00	18.0	1.70
SCO-1 Meas					44.4	0.63	1.63	7.46	1.82	1.67	0.2	95	56.6	392	3.44		24.2		2.1		< 0.05	7.85	10.8	
SCO-1 Cert					45	0.670	1.64	7.24	2.30	1.87	0.140	130	68.0	410	3.59		27		1.80		0.134	7.80	11.00	
GXR-6 Meas					47.5	0.11	0.69	> 10.0	1.71	0.22	0.1	83	47.4	949	5.10	1.0	21.5		1.3		0.13	4.30	12.3	0.60
GXR-6 Cert					32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	27.0		1.40		1.30	4.20	13.8	0.760
LKSD-4 Meas				18.6																				
LKSD-4 Cert				17.7																				
DNC-1a Meas					5.3							155	226				263						58.3	0.57
DNC-1a Cert					5.20							148.0	270				247						57.0	0.59
CDN-PGMS-21 Meas	3650	2000	305																					
CDN-PGMS-21 Cert	3420.00	2000.00	293.000																					
CDN-PGMS-21 Meas	3650	1970	273																					
CDN-PGMS-21 Cert	3420.00	2000.00	293.000																					
W1350385 Orig	< 2	< 5	< 5	0.15																				
W1350385 Dup	< 2	< 5	< 5	0.13																				
W1350388 Orig					29.2	0.11	0.19	8.91	4.49	0.30	< 0.1	6	11.6	83	0.34	2.8	1.9	0.7	1.5	0.2	< 0.05	3.26	1.3	0.41
W1350388 Dup					29.3	0.12	0.20	9.04	> 5.00	0.30	< 0.1	7	12.1	89	0.35	3.0	1.6	0.8	1.8	0.3	< 0.05	3.33	1.4	0.43
W1350395 Orig	< 2	< 5	< 5	8.06																				
W1350395 Dup	< 2	< 5	< 5	8.37																				
W1350402 Orig					42.9	1.26	0.22	6.81	3.49	0.24	< 0.1	4	2.1	221	0.47	2.3	0.9	0.7	1.5	0.2	< 0.05	2.48	0.9	0.37
W1350402 Dup					46.5	1.27	0.22	7.42	4.04	0.28	< 0.1	3	0.5	120	0.48	2.0	1.0	0.6	1.6	0.2	< 0.05	2.53	1.0	0.39
W1350405 Orig	< 2	< 5	< 5		48.9	2.31	0.25	7.89	3.73	0.52	< 0.1	5	4.4	181	0.61	2.1	1.1	0.6	2.2	0.2	< 0.05	3.45	1.1	0.45
W1350405 Split	< 2	< 5	< 5	0.18	45.6	2.06	0.23	7.70	4.60	0.48	< 0.1	5	0.6	154	0.60	2.2	0.8	0.5	2.0	0.2	< 0.05	3.44	1.2	0.45
W1350405 Orig				0.20																				
W1350405 Dup				0.18																				
W1350406 Orig	< 2	< 5	< 5																					
W1350406 Dup	2	< 5	< 5																					
W1350415 Orig				0.14																				
W1350415 Dup				0.14																				
W1350420 Orig	< 2	< 5	< 5																					
W1350420 Dup	< 2	< 5	< 5																					
W1350423 Orig					42.3	2.44	0.29	7.32	3.48	0.47	< 0.1	5	3.8	94	0.65	1.9	4.2	0.6	3.2	0.2	< 0.05	3.78	2.3	0.48
W1350423 Dup					47.3	2.62	0.29	7.17	3.82	0.50	< 0.1	5	6.2	71	0.63	1.8	4.5	0.6	3.7	0.2	< 0.05	3.78	2.2	0.44
W1350425 Orig				10.0																				
W1350425 Dup				10.0																				
W1350426 Orig	< 2	< 5	< 5		83.9	2.95	0.29	7.73	4.16	0.63	< 0.1	5	4.4	142	0.81	2.4	1.1	2.5	4.8	0.8	< 0.05	2.73	1.1	0.91
W1350426 Split	2	< 5	< 5	1.91	84.7	2.84	0.28	7.42	3.96	0.65	< 0.1	4	2.9	124	0.81	2.2	1.7	2.8	5.3	0.9	< 0.05	2.73	1.4	0.82
W1350430 Orig	< 2	< 5	< 5																					
W1350430 Dup	< 2	< 5	< 5																					
W1350435 Orig	3	< 5	< 5		41.9	> 3.00	0.18	7.78	3.46	0.99	< 0.1	5	3.0	206	1.09	2.8	1.5	2.5	4.4	0.9	< 0.05	2.95	1.4	0.77
W1350435 Split	< 2	< 5	< 5	1.63	41.1	> 3.00	0.19	7.97	3.20	0.94	< 0.1	6	3.1	215	1.05	3.1	1.3	2.4	4.1	0.8	< 0.05	2.93	1.2	0.80
W1350435 Orig				1.68																				
W1350435 Dup				1.66																				
W1350437 Orig					33.1	> 3.00	0.14	7.65	3.08	0.96	< 0.1	7	3.2	228	0.91	2.4	0.8	0.6	2.0	0.2	< 0.05	3.12	1.3	0.42
W1350437 Dup					35.3	> 3.00	0.15	7.93	3.04	0.97	< 0.1	7	4.3	212	0.87	2.4	1.0	0.6	2.6	0.2	< 0.05	3.08	1.3	0.43
W1350440 Orig	< 2	< 5	< 5																					
W1350440 Dup	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank					< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05

Quality Control

Analyte Symbol	Au	Pd	Pt	C-Total	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppb	ppb	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05
Analysis Method	FA-ICP	FA-ICP	FA-ICP	IR	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank				< 0.01																				

Quality Control

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
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	ppm
Detection Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.1	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas	1670	15.2	719	9.1	357	2.6	27.1	286	17	0.4	15.6	0.8	28	25.8	11.1	624	6.9	14.0		7.9	2.7	4.0	0.8	5.0
GXR-1 Cert	1380	16.6	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30
GXR-4 Meas	19.9	6.3	69.3	16.3	87.5	134	14.1	227	36	8.1	293	0.2	7	5.4	1.1	100	56.6	110		39.4	6.1	4.5	0.5	2.9
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas	0.31		101	22.3	< 0.1	105	33.5	180	26	0.2	< 0.1		< 1	< 0.1		608	40.4	90.7		40.8	8.1	7.0	1.1	6.6
SDC-1 Cert	2.60		103.00	21.00	0.220	127.00	40.0	180.00	290.00	21.00	0.250		3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SCO-1 Meas	0.45		97.6	16.1	8.7	99.2	19.4	163	12	< 0.1	< 0.1		1	< 0.1		532	27.8	56.1	6.8	25.3				
SCO-1 Cert	0.37		100	15	12.00	110.0	26	170	160	11	1.4		3.7	2.50		570	30.0	62.00	6.6	26.0				
GXR-6 Meas	0.17	< 0.1	123	35.5	178	84.3	13.1	51.0	43	< 0.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	1630	12.3	34.9		11.9	2.5	2.1	0.4	2.4
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
LKSD-4 Meas																								
LKSD-4 Cert																								
DNC-1a Meas			65.4				17.2	159	34					0.8		103	3.7			4.7				
DNC-1a Cert			70.0				18.0	144.0	38					0.96		118	3.6			5.20				
CDN-PGMS-21 Meas																								
CDN-PGMS-21 Cert																								
CDN-PGMS-21 Meas																								
CDN-PGMS-21 Cert																								
W1350385 Orig																								
W1350385 Dup																								
W1350388 Orig	0.20	< 0.1	7.1	21.7	2.1	80.8	8.0	161	106	10.8	0.8	< 0.1	1	< 0.1	< 0.1	700	36.2	50.8	3.8	11.0	1.6	1.4	0.2	1.2
W1350388 Dup	0.22	< 0.1	6.7	22.5	2.5	96.6	8.2	165	106	11.9	0.4	< 0.1	1	< 0.1	< 0.1	726	36.3	50.7	3.9	11.4	1.7	1.4	0.2	1.2
W1350395 Orig																								
W1350395 Dup																								
W1350402 Orig	0.14	< 0.1	10.3	16.6	0.4	84.2	7.1	142	62	7.2	0.8	< 0.1	< 1	< 0.1	< 0.1	679	18.0	34.6	3.5	11.8	1.9	1.5	0.2	1.2
W1350402 Dup	0.15	< 0.1	9.8	16.0	0.4	85.0	7.0	152	60	6.2	< 0.1	< 0.1	< 1	< 0.1	< 0.1	741	20.0	35.1	3.5	11.0	1.8	1.5	0.2	1.2
W1350405 Orig	0.12	< 0.1	17.7	19.8	0.6	99.1	6.8	175	64	7.3	< 0.1	< 0.1	< 1	< 0.1	< 0.1	744	20.3	37.3	3.8	12.0	1.9	1.5	0.2	1.1
W1350405 Split	0.14	< 0.1	16.4	17.4	4.5	119	5.7	156	62	7.7	1.0	< 0.1	< 1	< 0.1	< 0.1	760	18.3	32.9	3.3	10.7	1.8	1.5	0.2	1.1
W1350405 Orig																								
W1350405 Dup																								
W1350406 Orig																								
W1350406 Dup																								
W1350415 Orig																								
W1350415 Dup																								
W1350420 Orig																								
W1350420 Dup																								
W1350423 Orig	0.25	< 0.1	7.9	15.5	2.1	90.5	5.5	182	55	10.7	< 0.1	< 0.1	< 1	< 0.1	< 0.1	762	15.1	29.4	3.0	9.7	1.6	1.3	0.2	1.1
W1350423 Dup	0.24	< 0.1	9.0	17.4	2.2	106	5.7	200	57	10.7	< 0.1	< 0.1	< 1	< 0.1	< 0.1	767	13.8	26.8	2.7	8.8	1.5	1.2	0.2	1.0
W1350425 Orig																								
W1350425 Dup																								
W1350426 Orig	0.20	< 0.1	24.0	21.0	1.0	123	23.3	186	77	13.7	< 0.1	< 0.1	< 1	< 0.1	0.2	829	26.4	60.5	7.3	27.4	6.6	4.7	0.7	4.3
W1350426 Split	0.20	< 0.1	19.7	19.0	2.1	118	25.7	191	72	12.2	0.3	< 0.1	< 1	< 0.1	< 0.1	816	36.5	75.6	8.5	29.8	6.3	4.8	0.8	4.7
W1350430 Orig																								
W1350430 Dup																								
W1350435 Orig	0.29	< 0.1	25.1	18.5	2.0	128	23.2	157	92	22.8	0.9	< 0.1	< 1	< 0.1	< 0.1	618	64.2	115	11.2	34.6	5.7	5.1	0.8	4.7
W1350435 Split	0.27	< 0.1	26.3	20.0	2.2	124	22.6	160	100	20.5	2.5	< 0.1	1	< 0.1	< 0.1	597	76.3	134	13.3	41.1	6.2	4.9	0.7	4.3
W1350435 Orig																								
W1350435 Dup																								
W1350437 Orig	0.19	< 0.1	16.5	18.4	0.4	108	7.1	157	74	10.5	0.3	< 0.1	< 1	< 0.1	0.1	557	17.1	30.8	3.1	10.2	1.8	1.6	0.2	1.3
W1350437 Dup	0.16	< 0.1	19.2	20.4	2.5	114	7.7	174	80	11.3	0.2	< 0.1	< 1	< 0.1	< 0.1	554	19.4	36.0	3.7	12.0	2.1	1.7	0.2	1.3
W1350440 Orig																								
W1350440 Dup																								
Method Blank																								
Method Blank																								
Method Blank																								
Method Blank																								
Method Blank	< 0.02	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Quality Control

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
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	ppm
Detection Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.1	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS

Method Blank

Quality Control

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas	1080		0.4	2.0	0.3	< 0.1	122		0.35	771	3.0	33.2
GXR-1 Cert	1110		0.430	1.90	0.280	0.175	164		0.390	730	2.44	34.9
GXR-4 Meas	6460		0.2	0.9	0.1	0.5	32.9		2.87	45.7	19.3	5.3
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0	22.5	6.20
SDC-1 Meas	29.3		0.5	3.2		< 0.1	< 0.1		0.60	26.1	13.5	3.5
SDC-1 Cert	30.00		0.65	4.00		1.20	0.800		0.70	25.00	12.00	3.10
SCO-1 Meas	27.2						< 0.1			32.9	9.6	
SCO-1 Cert	29						1.4			31.0	9.70	
GXR-6 Meas	65.3		0.2	1.5	0.2	< 0.1	< 0.1		1.85	89.7	5.0	1.3
GXR-6 Cert	66.0		0.0320	2.40	0.330	0.485	1.90		2.20	101	5.30	1.54
LKSD-4 Meas												
LKSD-4 Cert												
DNC-1a Meas	100			1.7								
DNC-1a Cert	100.0			2.0								
CDN-PGMS-21 Meas												
CDN-PGMS-21 Cert												
CDN-PGMS-21 Meas												
CDN-PGMS-21 Cert												
W1350385 Orig												
W1350385 Dup												
W1350388 Orig	9.2	< 0.1	0.1	0.8	0.1	0.3	1.5	< 0.001	0.59	11.9	5.8	1.1
W1350388 Dup	9.8	0.1	0.1	0.8	0.1	0.6	1.8	0.002	0.67	12.9	6.1	1.2
W1350395 Orig												
W1350395 Dup												
W1350402 Orig	5.2	0.1	0.1	0.7	0.1	0.4	2.7	0.002	0.53	15.4	6.2	0.9
W1350402 Dup	5.9	0.1	< 0.1	0.6	< 0.1	0.1	2.3	0.002	0.51	14.6	5.0	0.8
W1350405 Orig	7.5	0.1	< 0.1	0.6	< 0.1	0.3	0.8	< 0.001	0.73	18.3	5.7	1.1
W1350405 Split	6.1	0.2	< 0.1	0.5	< 0.1	0.4	0.8	< 0.001	0.77	18.2	4.7	1.1
W1350405 Orig												
W1350405 Dup												
W1350406 Orig												
W1350406 Dup												
W1350415 Orig												
W1350415 Dup												
W1350420 Orig												
W1350420 Dup												
W1350423 Orig	4.9	0.1	< 0.1	0.6	< 0.1	0.4	1.1	0.003	0.48	9.0	5.4	1.6
W1350423 Dup	6.1	0.1	< 0.1	0.6	< 0.1	0.2	1.0	0.003	0.48	8.7	4.6	1.8
W1350425 Orig												
W1350425 Dup												
W1350426 Orig	11.0	0.2	0.4	2.6	0.4	0.8	1.1	0.004	0.50	16.0	26.2	1.5
W1350426 Split	9.8	0.2	0.4	2.6	0.4	0.6	0.9	0.002	0.51	15.3	36.4	1.6
W1350430 Orig												
W1350430 Dup												
W1350435 Orig	9.0	0.2	0.4	2.3	0.3	1.1	1.0	0.001	0.53	15.7	22.2	2.6
W1350435 Split	6.9	0.2	0.4	2.4	0.4	0.7	1.0	0.004	0.58	16.4	32.4	2.4
W1350435 Orig												
W1350435 Dup												
W1350437 Orig	4.2	< 0.1	< 0.1	0.6	< 0.1	0.9	0.8	0.002	0.66	18.7	5.2	1.7
W1350437 Dup	5.9	0.1	< 0.1	0.6	< 0.1	1.0	0.8	0.003	0.74	19.6	5.6	1.7
W1350440 Orig												
W1350440 Dup												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1

Quality Control

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	0.1	0.1
Analysis Method	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS

Method Blank