



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

Reference: **u282155**
Date Finished: 30/11/2017
Order: NC_003
Project: Wollogorang
Date Received: 13/11/2017
Samples Analysed: **378**

FINAL ANALYSIS REPORT

Analysis of Mineral Samples

for

Northern Cobalt Ltd

67 Goodwood Rd Wayville SA 5034

Attention: Mr. M Schwarz

Authorised By:

Tom Lowther

Operations Manager

Bureau Veritas Minerals Pty Ltd



Bureau Veritas Minerals Pty Ltd



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
14162	3	<5	<5	0.10	20	1.22	4.35	0.53
14163	4	5	<5	0.13	30	1.90	9.20	0.59
14164	3	<5	<5	0.10	<10	1.01	3.14	0.35
14165	2	<5	<5	0.08	<10	1.03	3.13	0.37
14166	7	<5	<5	0.10	20	2.07	6.09	0.73
14167	13	<5	<5	0.12	40	3.73	7.39	1.90
149444	5	<5	<5	0.17	50	4.55	8.56	2.09
149445	1	<5	<5	1.51	40	4.66	7.61	2.37
149446	7	<5	<5	2.25	40	5.82	7.47	2.58
149447	4	<5	<5	7.12	20	4.12	7.31	4.41
149448	2	<5	<5	2.19	20	3.91	9.70	2.00
149449	<1	<5	<5	2.61	20	3.61	9.95	2.10
149449 Rpt	<1	<5	<5	2.51	20	3.52	9.72	2.03
149450	1	<5	<5	2.35	20	4.29	9.21	2.15
Std Nominal	52	45	45	0.10	1.70%	47.5	<0.01	1.86
Determined	50	45	45	0.11	1.51%	47.5	0.01	1.82
14197	2	<5	<5	0.76	30	8.21	8.10	2.65
14198	<1	<5	<5	0.73	30	9.40	7.09	4.00
14199	6	<5	<5	0.71	30	8.72	7.26	2.82
14200	IS	IS	IS	0.06	30	8.76	0.16	2.11
14201	5	<5	<5	0.75	20	8.33	7.94	2.62
14201 Rpt	5	<5	<5	0.75	30	8.34	7.93	2.60
149451	5	<5	<5	0.80	20	7.13	8.61	2.33
149452	7	<5	<5	0.76	20	10.1	7.05	3.24
149453	6	<5	<5	0.81	20	8.86	7.59	3.10
149454	4	<5	<5	0.86	20	10.1	6.96	4.00
14218	9	<5	<5	9.02	40	7.05	4.59	6.46
14219	3	<5	<5	8.18	20	6.39	5.01	6.11
14220	IS	IS	IS	1.73	6690	24.5	0.10	1.22
14221	3	<5	<5	13.4	20	5.25	2.91	8.41
14222	3	<5	<5	15.5	20	4.62	2.00	9.46
14223	7	5	<5	6.55	30	6.50	5.92	5.46
14224	13	20	10	8.90	20	5.30	5.16	6.02
14224 Rpt	13	20	10	9.01	30	5.36	5.24	6.08
14225	14	20	5	1.07	50	5.19	9.36	1.98
14225 Rpt	13	15	10	1.06	50	5.14	9.35	1.94
14226	6	<5	<5	0.24	50	8.09	7.71	3.38
14227	9	5	<5	2.33	20	5.49	8.86	2.05
149455	6	5	<5	1.25	30	5.94	8.59	2.28
149456	8	<5	<5	1.49	30	5.22	8.73	2.13
Std Nominal	1.37M			1.53	1670	9.20	0.09	19.7
Determined	1.35M	<5	<5	1.50	1160	9.22	0.08	19.8



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
149457	8	<5	<5	2.11	20	5.51	8.26	2.71
149458	4	<5	<5	4.47	20	5.89	7.60	3.66
149459	3	<5	<5	3.40	<10	8.33	6.78	4.51
149460	IS	IS	IS	0.06	20	8.79	0.16	2.14
149461	5	<5	<5	8.62	10	7.26	3.40	6.49
14253	5	<5	<5	0.09	80	15.5	1.84	0.26
14254	4	<5	<5	0.14	30	6.07	5.63	0.32
14255	2	<5	<5	0.04	30	6.15	6.53	0.97
14256	6	<5	<5	0.38	30	3.86	9.58	1.15
14257	6	<5	<5	0.68	40	3.13	9.76	1.51
14258	3	<5	<5	0.75	30	1.42	11.1	0.39
14259	7	<5	<5	0.88	20	1.34	11.2	0.47
14260	6	<5	<5	0.92	20	1.35	11.4	0.47
14261	8	<5	<5	0.91	30	1.95	10.3	1.02
14262	11	<5	<5	1.08	20	1.27	11.2	0.34
14263	6	<5	<5	1.34	30	2.13	11.0	0.23
14264	6	<5	<5	0.21	20	1.85	6.44	0.95
14265	3	<5	<5	0.09	10	1.00	3.27	0.35
14266	4	<5	<5	0.11	20	1.28	6.11	0.65
14266 Rpt	3	<5	<5	0.12	20	1.32	6.20	0.66
14267	12	<5	<5	0.12	30	1.71	7.74	0.83
14268	5	<5	<5	0.11	20	1.53	8.29	0.80
14269	3	<5	<5	0.13	20	1.47	6.59	0.51
14270	1	<5	<5	0.09	10	0.94	3.21	0.26
14271	2	<5	<5	0.12	10	1.23	3.92	0.45
14272	2	<5	<5	0.07	<10	0.67	2.35	0.16
14273	3	<5	<5	0.05	<10	0.66	2.44	0.19
14274	7	<5	<5	0.07	20	1.31	3.42	0.31
14274 Rpt	9	<5	<5	0.07	20	1.32	3.44	0.31
14275	9	<5	<5	0.11	30	2.58	7.32	1.18
Std Nominal	860	910	690	8.22	30	6.27	0.21	4.52
Determined	839	900	680	8.16	20	6.24	0.21	4.55
14276	12	<5	<5	0.11	30	2.69	7.60	1.34
14277	2	<5	<5	0.13	30	2.05	7.26	1.04
14278	2	<5	<5	0.14	30	3.09	7.43	1.52
14279	3	<5	<5	0.16	30	3.48	7.42	1.60
14280	IS	IS	IS	0.06	20	8.88	0.17	2.14
14281	1	<5	<5	1.29	40	5.33	8.17	2.93
14282	2	<5	<5	0.22	40	5.12	9.10	2.38
14283	3	<5	<5	0.22	50	3.76	9.82	1.66
14284	4	<5	<5	1.66	40	5.45	8.28	2.89
14284 Rpt	3	<5	<5	1.64	40	5.47	8.28	2.92
14285	1	<5	<5	1.09	50	5.37	8.45	2.69



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
14286	1	<5	<5	0.29	50	5.66	8.64	2.44
Std Nominal	2.42M			5.91	230	9.63	0.60	4.05
Determined	2.41M	<5	<5	5.98	180	9.60	0.63	4.07
14287	2	<5	<5	3.05	40	5.82	7.70	3.18
14288	3	<5	<5	3.66	40	5.41	7.47	3.45
14289	3	<5	<5	0.41	50	6.30	8.31	2.53
14290	5	<5	<5	0.21	50	5.30	9.08	2.08
14291	4	<5	<5	2.44	20	2.74	9.94	1.12
149462	5	<5	<5	0.92	20	4.23	9.78	1.58
149463	1	<5	<5	1.04	20	7.10	8.20	2.88
149464	1	<5	<5	0.96	20	8.59	7.35	3.32
149465	2	<5	<5	2.76	20	8.62	6.45	4.20
149466	5	<5	<5	1.51	20	9.43	6.12	4.51
149467	6	<5	<5	1.09	20	8.82	6.63	3.93
149467 Rpt	7	<5	<5	1.11	20	8.90	6.55	3.97
149468	3	<5	<5	1.24	20	8.02	7.30	3.41
14322	2	<5	<5	1.16	20	8.60	7.13	3.39
14323	2	<5	<5	0.93	20	8.72	7.26	3.57
14324	2	<5	<5	1.32	20	4.96	9.38	1.95
14325	5	<5	<5	0.51	30	5.31	9.17	1.86
14325 Rpt	5	<5	<5	0.50	40	5.34	9.16	1.85
14326	4	<5	<5	0.32	40	4.79	9.46	1.78
14326 Rpt	4	<5	<5	0.31	40	4.76	9.36	1.75
14327	4	5	<5	1.51	40	6.02	8.35	2.82
14328	6	5	<5	11.5	20	6.42	3.28	7.27
14329	5	<5	<5	7.94	30	6.08	5.35	5.95
14330	11	<5	<5	0.69	50	9.10	6.96	3.47
149469	3	<5	<5	3.58	<10	6.53	7.19	3.88
Std Nominal	4.94M			0.58	10	1.47	4.16	0.03
Determined	5.03M	<5	<5	0.59	<10	1.48	4.05	0.02
149470	3	<5	<5	1.12	<10	9.56	6.71	3.96
149471	1	<5	<5	2.15	<10	10.3	4.97	4.75
149472	2	<5	<5	1.64	<10	11.8	4.80	5.44
149473	5	<5	<5	3.20	<10	8.25	6.33	4.28
149474	6	<5	<5	12.6	10	5.86	2.72	7.95
149475	5	<5	<5	8.20	10	8.65	2.93	6.94
149476	8	<5	<5	0.67	40	4.90	8.19	2.21
14364	2	<5	<5	0.75	40	2.87	10.5	1.29
14365	9	<5	<5	0.78	30	2.58	11.0	0.87
14366	2	<5	<5	0.76	30	1.33	11.4	0.31
14367	2	<5	<5	0.72	20	1.41	11.6	0.32
14368	2	<5	<5	0.80	20	1.29	11.8	0.27
14369	3	<5	<5	0.91	30	1.09	12.0	0.27



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
14370	11	<5	<5	0.89	30	1.57	11.7	0.39
14371	2	<5	<5	0.05	<10	0.87	1.68	0.14
14371 Rpt	2	<5	<5	0.05	<10	0.85	1.63	0.14
14372	3	<5	<5	0.06	20	1.02	2.12	0.27
14373	2	<5	<5	0.06	10	1.06	2.64	0.34
14374	3	<5	<5	0.05	20	0.97	2.84	0.39
14375	12	<5	<5	0.10	40	1.77	6.24	0.97
14375 Rpt	9	<5	<5	0.10	40	1.77	6.32	0.99
14376	4	<5	<5	0.12	40	1.77	8.30	0.99
14377	3	<5	<5	0.11	20	1.42	4.77	0.52
14378	12	<5	<5	0.21	20	1.20	7.91	0.51
Std Nominal	52	45	45	2.48	170	8.65	2.35	1.71
Determined	50	45	45	2.51	130	8.56	2.34	1.68
14379	3	<5	<5	0.18	20	1.30	5.76	0.38
14380	IS	IS	IS	1.71	6510	25.0	0.11	1.19
14381	1	<5	<5	0.05	10	0.72	1.82	0.10
14382	3	<5	<5	0.06	20	0.94	2.66	0.17
14383	9	<5	5	0.11	40	2.00	7.46	0.97
14384	5	<5	<5	0.15	50	4.18	8.91	1.93
14385	4	<5	<5	0.17	50	5.16	8.63	2.46
14386	4	<5	<5	0.19	50	5.29	8.81	2.03
14387	2	<5	<5	0.20	40	4.81	7.88	2.13
14388	3	<5	<5	0.20	50	5.71	8.89	2.30
14389	4	<5	<5	0.19	50	6.28	8.46	2.47
14390	1	<5	<5	0.21	50	5.87	9.35	2.39
14391	3	<5	<5	0.19	50	5.35	8.73	2.14
14392	3	<5	<5	0.20	50	6.63	8.38	2.51
14392 Rpt	1	<5	<5	0.21	50	6.75	8.35	2.55
14393	1	<5	<5	0.20	50	6.10	8.64	2.38
14393 Rpt	2	<5	<5	0.20	60	6.00	8.51	2.31
14394	4	<5	<5	0.21	50	5.37	9.00	2.11
14395	6	<5	<5	0.20	50	4.62	9.35	1.71
14396	8	<5	5	1.81	40	2.35	10.6	0.79
14397	4	<5	<5	0.61	100	2.76	10.8	1.07
149477	2	<5	<5	2.50	20	4.07	9.16	2.26
149478	2	<5	<5	2.54	20	6.17	8.38	3.35
149479	3	<5	<5	2.28	20	9.70	5.99	4.81
149480	2	<5	<5	2.35	20	10.3	6.25	5.09
Std Nominal	1.37M			0.54	90	0.18	<0.01	26.6
Determined	1.36M	<5	<5	0.54	50	0.17	0.01	26.8
149481	2	<5	<5	2.12	20	8.42	6.84	3.93
149482	2	<5	<5	1.71	20	10.3	5.93	4.71
149483	4	<5	<5	2.88	20	8.92	6.28	4.27



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
149484	3	<5	<5	2.85	20	7.67	6.87	4.03
14428	5	<5	<5	1.30	20	5.98	8.89	2.33
14429	7	<5	<5	1.31	20	6.43	8.86	2.84
14430	5	<5	<5	0.95	20	6.91	8.13	2.55
14431	4	<5	<5	0.95	20	4.13	10.2	1.52
14432	3	<5	<5	7.59	20	7.02	4.64	5.43
14433	4	5	<5	6.86	20	4.36	6.61	4.85
14434	6	<5	<5	12.6	10	4.34	3.40	7.59
14435	4	<5	<5	13.6	10	3.61	3.63	8.10
14436	6	5	<5	10.8	20	3.90	4.41	6.87
14437	6	<5	<5	3.49	40	7.28	6.42	4.56
14438	6	<5	<5	5.88	<10	3.18	8.21	3.50
14439	2	<5	<5	6.35	<10	4.59	6.68	4.21
14440	3	<5	<5	6.36	<10	4.51	6.83	4.16
14441	2	<5	<5	3.22	<10	7.08	6.75	4.07
14442	<1	<5	<5	5.58	<10	5.09	7.19	4.03
14443	4	<5	<5	6.59	10	5.73	6.16	4.99
14444	3	<5	<5	2.86	20	6.92	6.16	3.65
14445	1	<5	<5	9.21	10	6.56	4.03	6.56
14445 Rpt	2	<5	<5	9.33	10	6.62	4.04	6.57
14446	1	<5	<5	7.47	10	6.64	4.60	5.77
14447	2	<5	<5	6.73	10	9.10	4.13	6.45
14448	2	<5	<5	5.60	20	9.46	3.91	6.07
149485	2	<5	<5	4.66	10	9.80	4.37	5.97
149486	2	<5	<5	4.62	10	9.55	4.22	5.46
149486 Rpt	2	<5	<5	4.77	20	9.46	4.29	5.64
149487	1	<5	<5	3.57	20	9.10	5.54	5.22
149488	3	<5	<5	3.76	20	7.19	7.30	4.15
14464	5	10	5	0.06	100	15.8	0.89	0.28
Std Nominal	860	910	690	0.20	2600	11.9	0.01	26.5
Determined	847	930	690	0.20	2130	11.9	0.02	26.3
14465	5	10	<5	0.02	80	11.6	2.56	0.48
14466	5	<5	<5	0.06	50	6.26	6.48	0.86
14467	7	<5	<5	0.74	40	4.79	9.17	1.38
14468	8	<5	<5	0.87	40	2.34	8.14	0.51
14469	4	<5	<5	0.78	30	3.10	8.91	0.98
14470	5	<5	<5	0.95	30	1.16	11.9	0.18
14470 Rpt	5	<5	<5	0.94	30	1.13	11.8	0.18
14471	3	<5	<5	0.92	20	1.14	10.9	0.23
14472	3	<5	<5	0.87	20	0.83	6.58	0.16
14473	3	<5	<5	0.93	20	0.73	6.60	0.06
Std Nominal	2.42M			14.0	180	7.52	0.02	7.83
Determined	2.43M	<5	<5	13.7	110	7.45	0.03	7.79



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
14474	9	<5	<5	1.00	40	2.88	5.25	0.22
14475	8	5	<5	0.24	60	3.30	8.78	0.56
14476	3	<5	<5	0.06	<10	1.07	2.09	0.15
14477	4	<5	<5	0.05	20	2.31	4.29	0.31
14478	7	5	<5	0.26	50	2.43	6.95	0.68
14479	7	<5	<5	0.65	30	1.84	9.38	0.48
14480	IS	IS	IS	0.06	40	8.90	0.16	2.12
14481	12	<5	<5	0.53	40	2.29	8.29	0.65
14482	6	5	<5	0.23	50	1.75	3.24	0.42
14483	8	<5	<5	0.18	50	2.31	7.39	0.66
14484	7	<5	<5	0.13	60	2.48	7.57	1.16
14485	8	<5	<5	0.12	60	2.47	6.16	0.99
14485 Rpt	9	<5	<5	0.12	50	2.50	6.93	1.00
14486	7	<5	<5	0.19	40	2.43	9.11	1.09
14487	6	<5	<5	0.17	30	2.14	5.07	0.90
14488	6	<5	<5	0.19	40	2.12	6.43	0.88
14489	5	<5	<5	0.18	50	2.15	2.88	0.77
14490	4	<5	<5	0.18	60	2.41	9.98	0.90
14491	5	<5	<5	0.19	60	2.46	2.15	0.99
14492	2	<5	<5	0.20	70	4.94	2.43	2.04
14493	<1	<5	<5	2.53	60	5.87	2.66	3.45
14494	4	<5	<5	3.26	60	5.47	4.08	3.43
14495	3	<5	<5	5.09	30	5.55	3.73	4.18
14496	3	<5	<5	2.61	40	6.24	6.24	3.39
149489	4	<5	<5	9.08	20	4.90	3.70	5.82
149490	4	<5	<5	3.15	20	8.76	4.05	2.75
149491	3	<5	<5	3.63	20	6.19	4.40	3.71
149492	3	<5	<5	1.90	30	5.75	3.84	2.64
149493	3	<5	<5	2.85	20	6.17	3.61	3.22
149494	2	<5	<5	1.25	30	5.07	8.87	2.12
149494 Rpt	2	<5	<5	1.24	30	5.15	7.73	2.16
149495	3	<5	<5	2.94	20	6.40	6.39	3.64
149496	3	<5	<5	1.92	20	8.63	2.64	4.03
149497	3	<5	<5	2.34	20	7.69	2.58	3.95
149498	3	<5	<5	8.71	20	6.29	3.93	6.18
149498 Rpt	3	<5	<5	8.71	20	6.01	4.20	6.19
149499	5	<5	<5	7.86	30	5.68	1.78	5.64
149500	IS	IS	IS	1.69	6680	24.7	0.10	1.19
Std Nominal	4.94M			0.10	1.70%	47.5	<0.01	1.86
Determined	4.90M	<5	<5	0.11	1.52%	47.0	<0.01	1.79
149501	2	<5	<5	1.22	10	3.63	3.67	1.54
149502	6	<5	<5	1.06	<10	4.14	3.91	1.55
149503	3	<5	<5	1.13	<10	6.12	4.88	2.30



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
149504	2	<5	<5	2.75	<10	8.48	3.90	4.39
149505	2	<5	<5	8.08	<10	5.61	4.09	5.67
149506	6	<5	<5	15.3	10	5.35	1.10	9.41
Std Nominal	52	45	45	1.53	1670	9.20	0.09	19.7
Determined	54	50	45	1.53	1120	9.02	0.08	19.6
149507	4	<5	<5	0.62	40	6.05	8.60	1.39
149508	2	<5	<5	0.18	10	1.00	2.63	0.27
149508 Rpt	3	<5	<5	0.18	20	1.01	2.50	0.27
14578	5	<5	<5	0.16	30	1.58	3.42	0.69
14579	13	<5	<5	0.15	50	1.91	3.40	0.94
14580	IS	IS	IS	1.70	6680	24.7	0.10	1.20
14580 Rpt	NR	NR	NR	1.68	6560	24.9	0.09	1.21
14581	4	<5	<5	0.19	40	2.72	8.97	1.24
14582	2	<5	<5	0.13	20	1.43	4.57	0.54
14583	2	<5	<5	0.06	<10	0.57	1.51	0.05
14584	4	<5	<5	0.14	20	1.31	5.69	0.30
14585	6	<5	<5	0.21	40	3.03	8.45	1.34
14586	9	<5	<5	0.23	50	5.67	5.13	2.52
14587	6	<5	<5	0.23	50	5.82	4.34	2.41
14588	4	<5	<5	1.35	40	2.87	4.00	1.55
14589	1	<5	<5	3.78	40	3.18	2.85	2.95
14590	3	<5	<5	4.64	40	4.66	5.00	3.92
14591	2	<5	<5	1.88	50	5.64	4.81	3.08
149509	2	<5	<5	3.18	40	5.44	7.24	3.12
149510	3	<5	<5	4.24	40	5.75	7.19	3.54
149511	2	<5	<5	8.95	10	4.52	5.63	5.36
149512	2	<5	<5	4.19	20	6.50	6.40	3.53
149513	2	<5	<5	2.33	20	9.37	2.11	4.57
149514	2	<5	<5	2.49	20	9.01	2.93	4.03
Std Nominal	1.37M			8.22	30	6.27	0.21	4.52
Determined	1.34M	<5	<5	8.23	20	6.39	0.20	4.63
149515	1	<5	<5	1.80	30	11.2	4.24	4.76
149516	2	<5	<5	1.37	20	11.0	1.76	4.79
149517	3	<5	<5	1.17	20	10.0	6.13	4.34
149517 Rpt	1	<5	<5	1.15	20	9.90	5.75	4.36
149518	1	<5	<5	0.73	20	9.63	3.83	3.84
14634	3	<5	<5	1.97	20	4.66	8.45	2.17
14634 Rpt	4	<5	<5	2.01	20	4.77	9.12	2.21
14635	3	<5	<5	4.82	20	5.73	4.86	4.04
14636	3	<5	<5	15.0	10	7.59	1.60	9.06
14637	3	<5	<5	8.99	20	9.72	3.02	7.03
14638	3	<5	<5	14.6	10	4.47	1.04	9.03
14639	1	<5	<5	14.8	10	6.43	1.38	9.42



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
14640	3	<5	<5	14.9	10	6.49	1.42	9.39
14641	2	<5	<5	14.6	<10	6.17	1.34	9.36
14642	2	<5	<5	15.2	<10	5.22	1.53	9.44
14643	1	<5	<5	14.1	10	4.81	1.40	8.73
14644	4	<5	<5	12.0	20	5.96	2.86	7.80
14645	7	<5	<5	6.44	20	7.01	4.57	4.87
14646	7	<5	<5	4.89	30	7.49	2.39	4.22
139651	7	<5	<5	0.46	60	7.16	4.39	0.88
139652	4	<5	<5	0.66	60	3.94	4.06	0.28
15109	13	<5	<5	0.62	20	3.14	10.6	0.25
15110	5	<5	<5	1.05	20	2.64	10.8	0.29
Std Nominal	860	910	690	5.91	230	9.63	0.60	4.05
Determined	878	910	690	5.94	170	9.65	0.62	4.05
15111	5	<5	<5	1.34	40	5.00	9.63	0.59
15112	13	<5	<5	0.67	40	3.09	10.5	0.73
15113	8	<5	<5	0.37	20	1.32	7.79	0.33
15114	6	<5	<5	0.22	30	2.20	6.25	1.00
15115	8	<5	<5	0.09	20	1.61	6.39	0.59
15116	7	<5	<5	0.13	40	1.95	9.48	0.88
15117	2	<5	<5	0.12	30	1.21	3.35	0.41
15118	3	<5	<5	0.32	30	1.36	7.54	0.44
15119	7	5	5	0.13	20	1.42	4.97	0.33
15120	1	<5	<5	0.13	20	1.36	5.58	0.34
15121	7	<5	<5	0.34	30	1.81	10.9	0.80
139653	8	<5	<5	0.16	40	3.01	9.28	1.34
139654	1	<5	<5	3.01	30	4.50	8.16	3.27
139655	1	<5	<5	1.68	30	4.34	6.71	2.49
139655 Rpt	1	<5	<5	1.61	30	4.40	7.55	2.42
139656	3	<5	<5	0.24	50	5.00	4.83	1.92
139657	3	<5	<5	0.77	30	3.41	3.11	1.26
139657 Rpt	3	<5	<5	0.79	30	3.42	3.07	1.26
139658	3	<5	<5	0.77	20	3.80	5.47	1.29
139659	4	<5	<5	0.74	20	4.62	3.02	1.55
139660	IS	IS	IS	1.69	6620	25.0	0.11	1.21
139661	3	<5	<5	1.83	30	4.70	7.77	2.11
15155	1	<5	<5	0.75	20	3.66	2.41	1.33
Std Nominal	2.42M			0.58	10	1.47	4.16	0.03
Determined	2.37M	<5	<5	0.59	<10	1.44	4.11	0.02
15156	2	<5	<5	1.61	20	3.71	2.57	1.70
15157	<1	<5	<5	4.45	20	5.83	2.53	3.87
15158	3	<5	<5	1.60	20	8.19	3.76	3.50
15159	1	<5	<5	3.22	20	9.19	4.84	5.08
15160	IS	IS	IS	0.07	40	8.91	0.17	2.13



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
15161	1	<5	<5	1.20	30	11.3	2.53	5.32
15162	1	<5	<5	0.84	30	12.5	3.83	5.85
15163	9	<5	<5	0.82	30	10.6	5.25	4.79
15164	4	<5	<5	1.24	20	7.32	3.74	2.95
15165	8	<5	<5	0.74	20	7.93	3.01	2.66
15166	3	<5	<5	1.14	30	7.55	4.69	3.00
15166 Rpt	3	<5	<5	1.18	30	7.63	4.80	3.03
15167	2	<5	<5	0.75	20	7.79	4.98	2.77
15168	5	<5	<5	0.73	20	6.25	2.20	2.18
15169	4	<5	<5	0.76	20	6.96	4.57	2.65
15170	2	<5	<5	0.75	20	9.56	3.43	3.67
15171	3	<5	<5	0.82	20	4.91	5.32	1.78
15171 Rpt	3	<5	<5	0.83	20	5.03	4.64	1.81
15172	5	<5	5	3.46	40	8.18	5.02	4.37
15173	6	<5	<5	5.16	30	7.64	5.31	4.74
15174	3	<5	<5	0.87	20	4.70	7.07	1.68
15175	2	<5	<5	0.87	20	3.32	10.0	1.17
139662	3	<5	<5	3.21	30	4.65	4.22	2.61
139663	4	<5	<5	4.72	<10	6.64	2.23	4.26
139664	1	<5	<5	2.79	<10	7.62	6.34	3.84
139665	2	<5	<5	3.14	<10	8.63	6.04	4.64
139666	1	<5	<5	1.99	<10	10.6	5.56	4.65
139666 Rpt	2	<5	<5	1.99	<10	10.6	5.07	4.61
15197	2	<5	<5	2.68	<10	8.94	5.95	4.19
15198	4	<5	<5	1.69	<10	6.20	7.01	2.59
Std Nominal	4.94M			2.48	170	8.65	2.35	1.71
Determined	5.01M	<5	<5	2.50	130	8.53	2.35	1.72
15199	2	<5	<5	4.14	<10	6.71	5.02	3.72
15200	Sample Not Received							
15201	1	<5	<5	15.2	<10	5.74	2.02	8.76
15202	2	<5	<5	15.7	<10	5.59	1.60	8.88
15203	7	<5	<5	12.7	10	6.69	1.93	7.26
15204	3	<5	<5	13.3	<10	5.47	2.03	8.08
15204 Rpt	4	<5	<5	13.1	<10	5.45	2.05	8.08
15205	8	<5	<5	6.91	10	7.66	2.27	6.38
139667	3	<5	<5	0.77	50	9.61	6.98	1.52
139668	4	<5	<5	0.76	30	3.29	8.57	1.00
15214	5	<5	<5	0.63	30	2.43	8.88	0.42
15215	15	5	<5	0.64	40	3.70	9.31	0.35
15216	3	<5	<5	0.18	30	1.58	2.92	0.59
15217	2	<5	<5	0.07	10	1.04	2.28	0.26
15218	4	<5	<5	0.10	20	1.39	4.14	0.47
15219	7	<5	<5	0.12	10	1.68	5.09	0.70



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
15220	7	<5	<5	0.11	20	1.66	4.87	0.66
15221	14	<5	<5	0.11	40	2.01	8.21	1.08
Std Nominal	52	45	45	0.54	90	0.18	<0.01	26.6
Determined	54	50	50	0.56	50	0.18	0.01	26.6
15222	2	<5	<5	0.11	30	1.63	6.15	0.96
15223	1	<5	<5	0.17	20	1.28	5.95	0.45
15224	1	<5	<5	0.10	20	1.14	3.00	0.43
15225	8	<5	<5	0.17	20	1.49	3.66	0.34
15226	1	<5	<5	0.09	10	0.94	2.92	0.32
15227	1	<5	<5	0.07	<10	1.00	2.46	0.22
15228	7	5	<5	0.15	30	3.76	2.90	1.56
15229	34	<5	5	0.13	30	4.99	6.46	2.22
15230	13	<5	<5	0.15	40	4.42	7.63	1.94
139669	3	<5	<5	0.75	40	4.51	8.00	2.32
139669 Rpt	4	<5	<5	0.74	40	4.45	7.94	2.29
139670	3	<5	<5	2.61	30	4.36	2.94	2.37
139671	1	<5	<5	3.74	40	4.18	3.81	2.77
139672	3	<5	<5	5.60	10	5.25	6.23	4.17
139672 Rpt	3	<5	<5	5.60	10	5.20	5.57	4.13
139673	3	<5	<5	3.16	10	5.93	2.86	3.08
139674	<1	<5	<5	1.97	<10	8.57	2.96	4.09
139675	3	<5	<5	1.47	10	7.74	3.56	3.11
139676	<1	<5	<5	1.26	10	7.58	4.72	2.86
139677	<1	<5	<5	3.38	10	6.89	4.62	3.60
139678	2	<5	<5	3.57	10	6.30	4.89	3.58
139679	1	<5	<5	1.17	20	7.24	4.72	2.72
139680	IS	IS	IS	0.06	40	8.89	0.17	2.12
139681	2	<5	<5	8.63	20	6.55	2.72	5.82
Std Nominal	1.37M			0.20	2600	11.9	0.01	26.5
Determined	1.37M	<5	<5	0.21	2280	12.1	0.01	26.3
139682	5	<5	<5	11.6	30	6.34	1.99	7.26
139683	4	<5	<5	6.20	<10	7.12	2.31	4.45
139684	3	<5	<5	2.92	<10	6.90	6.42	3.69
139685	2	<5	<5	2.99	<10	9.70	3.16	4.76
139686	1	<5	<5	1.59	<10	14.0	3.42	5.95
139687	2	<5	<5	1.39	<10	12.0	2.71	5.16
139688	9	<5	<5	13.6	<10	6.41	2.39	8.13
139689	3	<5	<5	0.94	30	1.55	5.27	0.58
139690	8	<5	<5	0.61	30	1.77	6.47	0.49
139691	2	<5	<5	0.11	20	1.66	3.27	0.59
139691 Rpt	3	<5	<5	0.11	20	1.63	3.18	0.58
15324	2	<5	<5	0.13	20	2.42	3.77	1.06
15324 Rpt	2	<5	<5	0.13	20	2.45	3.87	1.09



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	Au1 ppb	Pt ppb	Pd ppb	Ca %	Cr ppm	Fe %	K %	Mg %
Detection Limit	1	5	5	0.01	10	0.01	0.01	0.01
15325	<1	<5	<5	0.07	<10	1.05	1.09	0.25
15326	<1	<5	<5	0.13	20	1.65	2.48	1.00
15327	2	<5	<5	0.16	10	2.71	2.45	0.59
15328	2	<5	<5	0.10	10	1.95	2.49	0.50
15329	1	<5	<5	0.11	10	2.06	4.10	0.73
15330	8	<5	<5	0.13	30	3.28	5.59	1.28
15331	4	<5	<5	0.72	30	3.90	5.33	1.70
139692	2	<5	<5	0.29	50	4.16	8.11	1.91
139693	2	<5	<5	3.27	50	4.97	5.58	3.06
139694	1	<5	<5	3.88	50	4.57	5.42	2.72
139694 Rpt	<1	<5	<5	3.96	40	4.77	5.76	2.75
149519	1	<5	<5	3.07	<10	10.6	2.51	5.02
149519 Rpt	1	<5	<5	3.03	<10	10.6	2.64	5.03
149520	IS	IS	IS	0.06	40	8.92	0.17	2.12
149521	<1	<5	<5	1.45	<10	10.8	4.43	5.00
149522	2	<5	<5	1.36	<10	10.7	2.93	4.65
149523	6	<5	<5	1.23	<10	13.3	2.48	5.41
Std Nominal	860	910	690	14.0	180	7.52	0.02	7.83
Determined	886	890	680	14.0	120	7.51	0.04	7.80
149524	3	<5	<5	9.63	<10	7.70	3.02	7.04
149525	6	<5	<5	11.6	10	6.76	2.26	7.63
149526	2	<5	<5	2.38	30	10.1	2.96	5.46
149526 Rpt	3	<5	<5	2.31	30	9.99	2.86	5.35
Std Nominal	2.42M			0.10	1.70%	47.5	<0.01	1.86
Determined	2.35M	<5	<5	0.11	1.47%	47.9	0.01	1.83



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
14162	48	0.07	500	150	30	1.0	127	361
14163	40	0.14	800	100	70	2.5	383	897
14164	62	0.06	350	100	20	<0.5	50	334
14165	46	0.05	300	100	15	<0.5	20	329
14166	124	0.07	500	100	55	<0.5	82	469
14167	60	0.06	500	500	85	<0.5	17	663
149444	82	0.07	750	2200	95	<0.5	19	675
149445	602	0.06	650	1850	90	<0.5	5	529
149446	894	0.06	700	1800	100	<0.5	6	477
149447	2100	0.04	2850	1100	170	<0.5	6	692
149448	632	0.02	2900	250	235	<0.5	15	773
149449	614	0.03	2850	750	150	<0.5	3	633
149449 Rpt	586	0.03	2850	750	145	<0.5	2	610
149450	474	0.02	3150	1450	170	<0.5	7	642
Std Nominal	5810	<0.01	50	1900	125	<0.5	2	38
Determined	5890	0.01	100	1950	125	<0.5	2	40
14197	76	0.02	2900	6850	240	1.0	110	579
14198	84	0.02	2850	1700	335	<0.5	23	499
14199	78	0.01	2900	9450	305	2.0	501	550
14200	82	0.02	200	8.46%	10	2.5	3050	16
14201	64	0.02	3050	9500	275	3.0	349	604
14201 Rpt	64	0.01	3050	9400	270	3.0	343	616
149451	60	0.02	3150	2850	250	1.0	219	697
149452	88	0.01	3100	6500	355	0.5	147	553
149453	78	0.02	3250	3700	315	0.5	248	585
149454	100	0.01	3500	6350	335	0.5	312	530
14218	3970	0.06	700	4750	170	<0.5	282	496
14219	3260	0.05	700	2900	120	<0.5	10	463
14220	1300	0.32	100	700	145	<0.5	18	140
14221	4800	0.03	500	3000	65	<0.5	22	309
14222	5110	0.02	300	3000	45	<0.5	15	215
14223	1740	0.07	800	7350	180	<0.5	32	562
14224	2450	0.08	750	9950	125	<0.5	22	538
14224 Rpt	2500	0.07	750	9900	130	<0.5	21	554
14225	226	0.09	2000	1.53%	155	0.5	52	780
14225 Rpt	222	0.09	2000	1.52%	155	0.5	50	778
14226	124	0.08	600	5750	205	<0.5	36	665
14227	76	0.06	8200	3800	185	0.5	62	771
149455	66	0.05	5000	3150	190	<0.5	36	793
149456	142	0.04	4250	4450	165	0.5	128	656
Std Nominal	996	0.09	150	3.11%	40	<0.5	25	17
Determined	984	0.08	150	3.09%	35	<0.5	24	18
149457	396	0.07	3550	2500	150	<0.5	212	729



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
149458	1410	0.03	2800	1850	185	<0.5	35	756
149459	936	0.02	2800	900	265	<0.5	19	428
149460	84	0.01	150	8.48%	15	2.5	2990	16
149461	3330	0.03	1200	300	150	<0.5	15	290
14253	3430	<0.01	900	100	450	<0.5	364	409
14254	868	0.03	950	100	170	0.5	256	1070
14255	292	0.02	1000	<50	190	<0.5	105	830
14256	120	0.03	2150	50	190	0.5	164	1140
14257	70	0.03	3100	50	225	0.5	209	884
14258	116	0.03	3350	100	105	<0.5	133	1060
14259	140	0.03	3650	100	135	1.0	180	922
14260	144	0.04	3700	100	130	1.0	173	951
14261	382	0.03	3700	50	220	1.5	220	815
14262	356	0.03	4050	50	65	1.5	207	1030
14263	290	0.04	5000	100	80	1.5	350	1050
14264	60	0.09	950	100	85	1.0	84	814
14265	48	0.06	350	150	25	0.5	94	443
14266	50	0.07	500	100	45	1.0	65	521
14266 Rpt	52	0.07	550	100	45	0.5	64	538
14267	48	0.08	500	100	75	1.0	164	554
14268	42	0.08	550	100	75	<0.5	143	580
14269	48	0.09	750	150	50	<0.5	383	629
14270	64	0.05	400	250	15	<0.5	77	348
14271	44	0.06	500	100	20	<0.5	75	414
14272	44	0.04	300	100	10	<0.5	38	286
14273	46	0.04	200	100	10	<0.5	15	277
14274	210	0.05	300	100	25	<0.5	112	374
14274 Rpt	224	0.05	300	100	25	<0.5	114	382
14275	50	0.06	500	5000	70	<0.5	85	591
Std Nominal	1390	1.82	100	100	220	<0.5	1	102
Determined	1370	1.82	100	100	220	<0.5	1	99
14276	52	0.07	450	1750	80	<0.5	22	611
14277	48	0.07	500	700	70	<0.5	8	581
14278	64	0.07	600	1700	75	<0.5	29	605
14279	54	0.06	700	3600	80	<0.5	68	610
14280	82	0.02	200	8.37%	10	2.5	3100	16
14281	444	0.07	750	750	105	<0.5	23	803
14282	86	0.08	800	600	110	<0.5	9	709
14283	66	0.08	900	2050	100	<0.5	17	735
14284	594	0.08	750	4750	100	<0.5	7	617
14284 Rpt	598	0.08	750	4750	100	<0.5	7	623
14285	410	0.07	800	3150	105	<0.5	7	588
14286	116	0.07	850	1350	120	<0.5	4	635



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
Std Nominal	1070	2.15	1300	1.74%	155	0.5	13	239
Determined	1090	2.20	1300	1.77%	155	0.5	13	242
14287	1150	0.08	700	2000	115	<0.5	4	550
14288	1420	0.06	700	3700	105	<0.5	5	514
14289	162	0.07	850	1550	155	<0.5	5	625
14290	76	0.09	900	2750	170	<0.5	38	707
14291	74	0.03	5850	1800	210	<0.5	14	542
149462	158	0.02	3250	800	235	<0.5	6	714
149463	308	0.02	2800	1250	305	<0.5	17	604
149464	386	0.02	2850	500	305	<0.5	20	538
149465	1720	0.01	2500	850	275	<0.5	15	517
149466	506	0.01	2750	3050	325	<0.5	15	421
149467	202	0.01	2850	2900	340	<0.5	25	451
149467 Rpt	208	0.01	2900	2700	345	<0.5	25	479
149468	220	0.02	2850	2600	335	<0.5	17	551
14322	172	0.02	3250	7000	385	<0.5	45	584
14323	110	0.02	3150	1350	400	<0.5	6	542
14324	190	0.02	3150	2150	260	<0.5	7	680
14325	66	0.08	2100	4650	190	0.5	163	825
14325 Rpt	66	0.08	2050	4800	190	0.5	153	806
14326	70	0.16	1400	6850	125	1.0	153	921
14326 Rpt	70	0.16	1350	6750	125	1.0	153	943
14327	640	0.11	1000	7700	165	1.0	101	878
14328	4800	0.06	400	2300	115	<0.5	100	395
14329	2820	0.06	500	1350	125	<0.5	14	458
14330	250	0.07	1450	1900	210	<0.5	12	585
149469	1210	0.02	2850	450	230	<0.5	12	682
Std Nominal	160	2.49	100	200	<5	<0.5	17	118
Determined	152	2.48	100	150	<5	<0.5	18	117
149470	266	0.02	3300	2000	295	<0.5	33	496
149471	784	0.02	2750	1100	240	<0.5	5	318
149472	468	0.01	2950	800	295	<0.5	6	350
149473	910	0.02	2900	2000	265	<0.5	8	487
149474	4000	0.03	500	500	85	<0.5	3	234
149475	3300	0.05	900	750	155	<0.5	3	250
149476	200	0.03	2650	100	225	<0.5	66	775
14364	30	0.05	3100	50	215	<0.5	72	945
14365	50	0.05	3050	50	205	<0.5	94	881
14366	42	0.04	3150	100	110	0.5	163	1170
14367	52	0.04	3050	100	70	<0.5	82	812
14368	32	0.04	3300	100	65	<0.5	64	1050
14369	18	0.05	3300	100	80	<0.5	43	1160
14370	82	0.06	3350	100	95	2.0	127	1180



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
14371	66	0.04	200	450	10	<0.5	47	243
14371 Rpt	62	0.04	200	450	10	<0.5	46	235
14372	60	0.04	250	300	20	<0.5	74	260
14373	60	0.04	250	250	20	<0.5	158	295
14374	52	0.03	200	150	20	<0.5	62	253
14375	60	0.07	450	50	70	1.0	228	463
14375 Rpt	64	0.07	450	100	70	0.5	225	455
14376	50	0.07	550	4750	85	1.0	306	538
14377	76	0.06	500	100	45	0.5	201	390
14378	46	0.12	1000	100	65	1.0	100	820
Std Nominal	1180	1.30	600	1.97%	120	6.0	100	132
Determined	1180	1.30	600	1.98%	120	6.0	99	136
14379	100	0.09	850	150	30	1.0	87	592
14380	1260	0.33	100	700	145	<0.5	18	135
14381	56	0.04	200	150	5	<0.5	21	224
14382	56	0.05	250	150	15	<0.5	79	303
14383	46	0.08	500	3100	85	<0.5	67	537
14384	66	0.09	650	4350	105	<0.5	28	735
14385	76	0.09	750	1000	110	<0.5	10	738
14386	68	0.07	800	1.15%	105	<0.5	65	690
14387	70	0.06	700	500	100	<0.5	6	629
14388	80	0.07	850	900	110	<0.5	6	704
14389	84	0.09	850	1600	115	<0.5	3	671
14390	88	0.08	900	750	125	<0.5	3	866
14391	84	0.08	800	1350	130	<0.5	5	1040
14392	94	0.08	800	7100	125	<0.5	7	626
14392 Rpt	96	0.08	850	7500	130	<0.5	5	608
14393	90	0.07	800	6650	140	<0.5	4	623
14393 Rpt	88	0.08	800	6400	135	<0.5	4	589
14394	82	0.09	850	1450	140	<0.5	17	636
14395	68	0.08	850	5600	145	0.5	69	655
14396	40	0.10	6100	4100	145	0.5	25	896
14397	32	0.04	2450	3300	235	<0.5	20	702
149477	518	0.03	3350	1350	210	<0.5	4	670
149478	692	0.02	2650	800	315	<0.5	3	574
149479	870	0.01	2700	3700	300	<0.5	13	447
149480	886	0.01	2800	4300	310	<0.5	15	458
Std Nominal	80	<0.01	<50	100	5	<0.5	<1	<1
Determined	78	<0.01	<50	50	5	<0.5	<1	1
149481	746	0.01	2650	2450	300	<0.5	23	525
149482	660	0.02	2700	1750	305	<0.5	9	482
149483	924	0.01	2550	7850	275	<0.5	16	503
149484	790	0.01	2600	3800	280	<0.5	17	524



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
14428	194	0.02	2900	2500	280	<0.5	28	647
14429	202	0.02	3100	2950	300	1.0	27	636
14430	100	0.02	3100	4650	305	<0.5	40	616
14431	82	0.03	3050	3050	195	<0.5	27	771
14432	4360	0.06	650	2750	100	<0.5	41	473
14433	1960	0.08	1050	5150	125	0.5	146	639
14434	4500	0.04	450	3800	90	<0.5	74	349
14435	3850	0.06	400	3350	80	<0.5	51	366
14436	2940	0.06	400	2700	90	<0.5	33	414
14437	1110	0.07	850	1700	160	<0.5	12	550
14438	1560	0.02	2400	1500	190	<0.5	8	807
14439	1910	0.02	2200	1050	190	<0.5	3	579
14440	1910	0.01	2250	1050	190	<0.5	3	626
14441	852	0.02	2750	1200	230	<0.5	3	426
14442	1520	0.01	2400	1250	225	<0.5	3	520
14443	1820	0.01	2000	2450	205	<0.5	13	372
14444	792	0.02	1900	3200	295	<0.5	8	433
14445	3470	0.02	1650	1700	155	<0.5	7	460
14445 Rpt	3430	0.02	1650	1700	155	<0.5	6	482
14446	2840	0.02	1650	2850	170	<0.5	14	326
14447	2730	0.02	1900	1350	215	<0.5	5	316
14448	2210	0.01	1800	1550	235	<0.5	8	327
149485	2020	0.02	2050	1900	245	<0.5	8	255
149486	2120	0.02	2000	1550	240	<0.5	7	236
149486 Rpt	2190	0.02	1950	1600	230	<0.5	9	231
149487	1430	0.03	2200	600	260	<0.5	4	372
149488	1290	0.03	2450	2100	285	<0.5	23	420
14464	1.25%	0.01	850	100	485	<0.5	244	321
Std Nominal	1710	0.03	<50	100	40	<0.5	<1	2
Determined	1770	0.02	<50	100	35	<0.5	1	3
14465	6230	0.03	1450	50	370	<0.5	207	416
14466	344	0.02	550	50	240	<0.5	64	647
14467	382	0.03	3050	50	240	<0.5	91	937
14468	270	0.04	3450	50	120	<0.5	70	942
14469	738	0.03	2950	100	190	<0.5	72	1140
14470	1000	0.04	3500	100	95	<0.5	48	1120
14470 Rpt	956	0.04	3700	100	90	<0.5	50	1110
14471	526	0.05	3350	50	110	<0.5	34	1000
14472	446	0.04	3200	100	70	<0.5	21	903
14473	272	0.05	3200	50	35	1.0	21	802
Std Nominal	1510	0.19	50	<50	230	<0.5	1	14
Determined	1560	0.19	50	50	230	<0.5	1	15
14474	530	0.03	4100	100	75	0.5	102	1120



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
14475	68	0.08	1300	200	115	0.5	240	816
14476	50	0.04	250	250	15	<0.5	79	319
14477	56	0.06	400	100	40	0.5	284	520
14478	52	0.11	1350	100	115	2.0	302	833
14479	56	0.09	2850	100	110	1.5	284	809
14480	84	0.02	200	8.39%	10	2.5	3010	17
14481	312	0.10	2300	100	105	1.5	482	849
14482	42	0.18	1200	100	75	1.0	299	947
14483	74	0.15	900	100	80	0.5	145	941
14484	64	0.08	550	400	100	<0.5	38	717
14485	52	0.11	600	2100	100	<0.5	46	700
14485 Rpt	50	0.11	600	2250	105	<0.5	47	734
14486	50	0.11	750	2950	100	<0.5	29	728
14487	44	0.08	700	2700	95	<0.5	33	534
14488	50	0.08	800	4250	105	<0.5	64	630
14489	52	0.09	750	5750	105	<0.5	129	403
14490	50	0.10	750	4200	105	<0.5	51	685
14491	58	0.07	750	2150	120	<0.5	28	481
14492	76	0.07	800	400	115	<0.5	5	590
14493	952	0.07	800	400	110	<0.5	2	584
14494	1300	0.06	700	1350	105	<0.5	7	482
14495	1930	0.07	700	1200	100	<0.5	3	427
14496	954	0.07	800	1150	145	<0.5	4	555
149489	2770	0.03	1700	1050	195	<0.5	4	399
149490	1070	0.01	2250	750	270	<0.5	2	477
149491	1150	0.02	2400	1550	280	<0.5	9	618
149492	478	0.03	2650	1600	250	<0.5	17	593
149493	856	0.02	2500	1450	225	<0.5	10	606
149494	234	0.03	2650	750	230	<0.5	5	728
149494 Rpt	234	0.03	2750	800	235	<0.5	5	706
149495	762	0.02	2550	1150	295	<0.5	5	574
149496	486	0.01	2650	1900	305	<0.5	10	439
149497	630	0.01	2550	2750	275	<0.5	29	388
149498	2850	0.05	1000	3450	140	<0.5	20	449
149498 Rpt	2950	0.06	950	3450	140	<0.5	20	436
149499	2470	0.04	1650	3950	130	<0.5	7	391
149500	1280	0.32	100	750	140	<0.5	17	136
Std Nominal	5810	<0.01	50	1900	125	<0.5	2	38
Determined	5760	0.01	100	1950	130	<0.5	3	38
149501	176	0.02	2300	1350	170	<0.5	3	584
149502	118	0.03	2200	2400	185	<0.5	14	504
149503	164	0.02	3200	1600	240	<0.5	6	580
149504	858	0.01	2950	750	280	<0.5	5	322



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Detection Limit	2	0.01	50	50	5	0.5	1	1
149505	2140	0.03	2200	550	155	<0.5	<1	305
149506	4920	0.02	250	600	75	<0.5	<1	119
Std Nominal	996	0.09	150	3.11%	40	<0.5	25	17
Determined	988	0.08	100	3.05%	35	<0.5	24	16
149507	632	0.03	2100	150	260	<0.5	46	1010
149508	220	0.04	550	100	25	<0.5	6	314
149508 Rpt	224	0.04	550	100	25	<0.5	6	304
14578	358	0.08	600	50	50	<0.5	14	450
14579	120	0.07	500	50	100	<0.5	18	413
14580	1290	0.32	100	750	145	<0.5	16	132
14580 Rpt	1270	0.33	100	750	145	<0.5	16	131
14581	62	0.09	800	100	100	<0.5	15	662
14582	70	0.07	500	100	45	<0.5	7	399
14583	58	0.03	200	100	5	<0.5	2	178
14584	70	0.09	600	100	40	<0.5	30	579
14585	138	0.11	750	50	100	<0.5	20	787
14586	140	0.07	650	<50	105	<0.5	15	638
14587	1270	0.07	700	<50	105	<0.5	9	691
14588	1510	0.06	650	50	70	<0.5	2	419
14589	1560	0.05	550	100	70	<0.5	1	371
14590	1710	0.05	700	4800	85	<0.5	3	443
14591	986	0.08	750	50	105	<0.5	3	558
149509	1290	0.07	650	250	95	<0.5	3	463
149510	1720	0.05	650	1100	110	<0.5	3	459
149511	2680	0.03	2900	600	205	<0.5	<1	385
149512	1360	0.01	2350	1000	310	<0.5	9	494
149513	834	0.03	2450	1100	290	<0.5	5	272
149514	1280	0.03	2200	850	245	<0.5	3	428
Std Nominal	1390	1.82	100	100	220	<0.5	1	102
Determined	1410	1.82	50	50	220	<0.5	1	101
149515	846	0.02	2350	1450	285	<0.5	6	369
149516	534	0.02	2500	1250	320	<0.5	3	336
149517	300	0.01	2800	1900	345	<0.5	9	466
149517 Rpt	296	0.01	2800	1900	345	<0.5	9	462
149518	92	<0.01	2800	900	350	<0.5	9	460
14634	498	0.03	2550	1700	250	<0.5	12	606
14634 Rpt	510	0.02	2750	1600	255	<0.5	13	598
14635	1620	0.03	2400	1400	245	<0.5	9	405
14636	4800	0.03	450	600	75	<0.5	<1	163
14637	5830	0.04	650	400	95	<0.5	<1	305
14638	4670	0.02	200	250	40	<0.5	<1	99
14639	5540	0.03	300	800	45	<0.5	<1	141
14640	5410	0.01	300	800	45	<0.5	<1	146



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
14641	4860	0.03	250	1200	35	<0.5	<1	184
14642	4380	0.03	200	750	20	<0.5	<1	156
14643	4130	0.01	200	1250	20	<0.5	<1	155
14644	4740	0.04	250	2250	50	<0.5	16	303
14645	2420	0.02	1850	2400	225	<0.5	3	485
14646	1950	<0.01	2550	900	295	<0.5	20	783
139651	1840	0.01	1750	100	315	<0.5	49	619
139652	1470	0.03	2850	100	180	<0.5	100	707
15109	1160	0.04	2700	100	80	<0.5	155	1150
15110	780	0.04	4350	100	65	<0.5	111	1430
Std Nominal	1070	2.15	1300	1.74%	155	0.5	13	239
Determined	1080	2.18	1250	1.76%	150	0.5	13	234
15111	732	0.03	5350	100	140	0.5	204	753
15112	318	0.08	2750	100	120	1.5	374	790
15113	98	0.12	1700	150	85	1.0	167	935
15114	104	0.10	900	50	95	1.0	174	797
15115	68	0.06	450	100	65	1.0	458	478
15116	46	0.08	700	2500	110	2.0	519	649
15117	76	0.07	500	250	50	1.0	162	384
15118	44	0.16	1600	100	75	0.5	302	1070
15119	64	0.08	600	50	35	<0.5	70	553
15120	54	0.08	650	100	40	<0.5	69	580
15121	66	0.16	1450	100	90	<0.5	60	1060
139653	62	0.09	700	1750	105	<0.5	55	760
139654	1050	0.06	800	400	95	<0.5	5	657
139655	688	0.08	700	300	105	<0.5	3	567
139655 Rpt	678	0.08	750	300	110	<0.5	3	565
139656	86	0.08	850	1550	145	<0.5	7	530
139657	68	0.07	2700	4900	205	<0.5	43	518
139657 Rpt	66	0.07	2750	4950	205	<0.5	43	525
139658	68	0.02	2600	3800	240	<0.5	30	648
139659	54	0.02	2350	3800	220	<0.5	29	476
139660	1280	0.33	100	750	150	<0.5	18	135
139661	348	0.03	2500	2100	250	<0.5	18	638
15155	56	0.02	2650	350	245	<0.5	2	549
Std Nominal	160	2.49	100	200	<5	<0.5	17	118
Determined	154	2.47	100	150	<5	<0.5	16	115
15156	320	0.04	2300	600	265	<0.5	4	543
15157	1550	0.03	2200	750	260	<0.5	2	534
15158	454	0.01	2550	2350	330	<0.5	17	499
15159	1400	0.02	2400	1400	275	<0.5	9	437
15160	86	0.04	200	8.39%	10	2.5	2980	16
15161	328	0.02	2650	1000	400	<0.5	6	329



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
15162	152	0.02	2900	1650	425	<0.5	7	380
15163	110	0.02	3100	1500	355	<0.5	8	575
15164	254	0.04	2750	2900	340	<0.5	13	556
15165	76	0.04	2750	4350	340	<0.5	17	389
15166	210	0.02	2800	1550	320	<0.5	8	645
15166 Rpt	218	0.02	2850	1550	320	<0.5	7	601
15167	78	0.01	2800	4400	315	<0.5	24	491
15168	58	0.01	2800	1800	285	<0.5	12	478
15169	64	0.02	2850	2050	335	<0.5	9	440
15170	90	0.01	2950	700	370	<0.5	2	365
15171	62	0.02	2850	2300	225	<0.5	13	590
15171 Rpt	64	0.02	2950	2400	230	<0.5	14	617
15172	1020	0.08	1350	2900	260	<0.5	14	617
15173	1710	0.09	1000	1.14%	215	<0.5	37	595
15174	108	0.03	2750	2600	220	<0.5	12	544
15175	48	0.03	3000	1000	170	<0.5	4	522
139662	1040	0.05	1850	850	110	<0.5	<1	420
139663	1870	0.03	3100	350	220	<0.5	8	530
139664	846	0.02	2800	5400	245	<0.5	20	480
139665	1300	0.02	2750	850	225	<0.5	15	439
139666	480	0.02	2900	800	255	<0.5	8	383
139666 Rpt	478	0.02	2850	700	255	<0.5	9	379
15197	946	0.03	2800	250	255	<0.5	6	459
15198	496	0.03	2850	750	220	<0.5	4	446
Std Nominal	1180	1.30	600	1.97%	120	6.0	100	132
Determined	1190	1.31	650	2.00%	115	6.0	99	129
15199	1980	0.04	2500	200	230	<0.5	4	377
15200	Sample Not Received							
15201	5460	0.04	400	600	75	<0.5	<1	190
15202	4790	0.03	350	450	60	<0.5	<1	132
15203	6930	0.03	400	500	55	<0.5	<1	164
15204	3770	0.05	300	350	40	<0.5	<1	175
15204 Rpt	3800	0.05	300	400	40	<0.5	<1	177
15205	2500	0.06	500	750	65	<0.5	<1	217
139667	520	0.02	2250	100	295	<0.5	161	747
139668	170	0.03	3050	50	185	<0.5	104	985
15214	456	0.04	3150	100	100	<0.5	138	1090
15215	818	0.06	3550	100	80	1.5	330	1120
15216	118	0.10	1250	150	45	<0.5	68	659
15217	74	0.04	350	100	20	1.0	64	224
15218	82	0.05	500	100	35	<0.5	125	320
15219	86	0.05	450	50	50	<0.5	132	337
15220	102	0.05	400	100	50	<0.5	122	326



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
15221	58	0.07	600	100	75	0.5	200	533
Std Nominal	80	<0.01	<50	100	5	<0.5	<1	<1
Determined	76	0.01	<50	100	<5	<0.5	1	2
15222	64	0.07	700	100	55	0.5	281	405
15223	54	0.15	950	150	30	<0.5	196	798
15224	76	0.05	550	100	30	<0.5	96	287
15225	72	0.08	750	100	25	<0.5	102	407
15226	66	0.07	500	100	20	<0.5	90	346
15227	62	0.05	300	100	10	<0.5	41	297
15228	152	0.07	500	2450	80	<0.5	68	446
15229	84	0.07	550	6550	80	1.0	128	571
15230	82	0.08	650	6350	85	<0.5	114	677
139669	314	0.07	800	2700	90	<0.5	18	759
139669 Rpt	318	0.07	750	2800	85	<0.5	18	758
139670	1070	0.07	600	850	75	<0.5	8	370
139671	1490	0.07	650	300	90	<0.5	2	384
139672	1700	0.03	2150	2050	255	<0.5	15	483
139672 Rpt	1720	0.04	2250	2100	250	<0.5	14	467
139673	1080	0.03	2350	2200	260	<0.5	17	403
139674	674	0.03	2350	1500	270	<0.5	9	330
139675	338	0.03	2650	2150	295	<0.5	15	486
139676	294	0.03	2600	2000	310	<0.5	8	587
139677	1130	0.03	2400	1200	270	<0.5	8	531
139678	1160	0.03	2500	1000	285	<0.5	5	565
139679	272	0.03	2800	1450	320	<0.5	12	605
139680	84	0.01	200	8.47%	15	2.5	3030	15
139681	3640	0.05	1200	1050	145	<0.5	12	393
Std Nominal	1710	0.03	<50	100	40	<0.5	<1	2
Determined	1720	0.03	<50	100	45	<0.5	1	3
139682	3910	0.06	300	1150	70	<0.5	9	325
139683	2000	0.03	2150	950	265	<0.5	<1	574
139684	906	0.03	2700	1350	250	<0.5	4	517
139685	1080	0.02	2700	1050	255	<0.5	4	467
139686	492	0.02	2950	950	285	<0.5	8	291
139687	340	0.02	3050	550	280	<0.5	2	326
139688	5330	0.04	500	700	75	<0.5	<1	207
139689	326	0.04	2400	100	90	<0.5	47	1130
139690	336	0.06	2500	100	90	<0.5	117	789
139691	122	0.05	350	100	35	<0.5	23	306
139691 Rpt	118	0.05	350	100	30	<0.5	22	304
15324	70	0.05	450	<50	50	<0.5	16	342
15324 Rpt	68	0.05	450	50	50	<0.5	15	354
15325	102	0.04	250	50	10	<0.5	4	163



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	Mn ppm	Na %	P ppm	S ppm	V ppm	Ag ppm	As ppm	Ba ppm
Detection Limit	2	0.01	50	50	5	0.5	1	1
15326	94	0.05	550	50	35	<0.5	7	311
15327	1360	0.04	500	50	35	<0.5	90	306
15328	1630	0.05	400	100	20	<0.5	63	376
15329	850	0.09	450	100	35	<0.5	49	593
15330	898	0.07	550	50	70	<0.5	119	695
15331	2520	0.07	550	50	70	<0.5	20	947
139692	220	0.08	800	350	90	<0.5	5	657
139693	1350	0.07	650	400	75	<0.5	2	548
139694	1550	0.06	550	450	65	<0.5	1	409
139694 Rpt	1620	0.07	600	450	65	<0.5	1	411
149519	1450	0.02	2450	2950	240	<0.5	13	326
149519 Rpt	1450	0.02	2500	2800	240	<0.5	14	339
149520	86	0.01	200	8.48%	10	2.5	3090	14
149521	518	0.03	2800	1550	245	<0.5	4	338
149522	426	0.02	2550	1000	245	<0.5	7	312
149523	334	0.02	3100	1650	350	<0.5	7	479
Std Nominal	1510	0.19	50	<50	230	<0.5	1	14
Determined	1520	0.18	100	50	225	<0.5	1	15
149524	3310	0.03	1600	1000	145	<0.5	<1	287
149525	3700	0.05	500	2350	55	<0.5	<1	242
149526	968	0.05	650	3050	95	<0.5	4	309
149526 Rpt	928	0.05	650	2850	95	<0.5	3	281
Std Nominal	5810	<0.01	50	1900	125	<0.5	2	38
Determined	5800	0.01	100	1950	130	<0.5	2	39



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
14162	1.9	<0.5	130	1450	9.5	2.0	296	23
14163	4.3	<0.5	540	1850	9.5	3.5	658	105
14164	0.7	<0.5	2150	1020	5.5	1.0	618	26
14165	0.2	<0.5	150	804	6.5	1.0	180	10
14166	0.7	<0.5	280	716	14.5	1.5	234	12
14167	0.4	<0.5	225	450	25.5	0.5	248	10
149444	0.7	<0.5	720	346	22.0	0.5	402	12
149445	0.4	<0.5	500	12	15.5	<0.5	78	7
149446	0.4	<0.5	530	18	15.5	0.5	60	10
149447	0.3	<0.5	385	558	23.5	0.5	178	10
149448	0.2	<0.5	130	88	24.0	0.5	148	5
149449	<0.1	<0.5	55	24	13.5	0.5	50	3
149449 Rpt	<0.1	<0.5	55	24	13.0	<0.5	52	3
149450	<0.1	<0.5	85	46	16.5	0.5	74	4
Std Nominal	<0.1	<0.5	750	26	3.0	1.0	1.48%	3
Determined	<0.1	<0.5	760	28	3.0	1.0	1.47%	4
14197	0.7	<0.5	1090	38	29.0	0.5	814	63
14198	<0.1	<0.5	285	2	42.5	0.5	246	6
14199	4.3	3.0	2600	294	33.5	3.0	1520	58
14200	46.9	<0.5	2390	3.21%	10.0	10.5	118	427
14201	3.6	1.5	2080	160	31.0	1.0	1500	59
14201 Rpt	3.6	1.0	2110	156	30.5	1.0	1500	60
149451	2.5	1.0	930	142	26.5	1.5	612	23
149452	2.9	1.5	725	138	35.5	2.5	390	25
149453	2.3	1.5	1050	52	30.0	1.5	558	56
149454	2.0	1.0	1490	138	36.0	1.5	846	64
14218	1.2	<0.5	1210	818	17.0	3.5	642	30
14219	0.2	<0.5	180	658	13.5	0.5	130	15
14220	<0.1	<0.5	455	80	10.0	0.5	5070	7
14221	0.2	0.5	165	486	7.5	0.5	104	24
14222	0.1	<0.5	125	1170	5.0	<0.5	70	34
14223	0.3	<0.5	175	1940	16.0	0.5	158	20
14224	0.6	<0.5	165	4630	9.5	2.0	128	23
14224 Rpt	0.6	<0.5	170	4740	10.0	2.0	130	22
14225	1.3	1.0	1540	5910	14.5	3.5	950	33
14225 Rpt	1.2	1.0	1530	5780	14.5	3.5	942	36
14226	0.4	<0.5	795	626	27.0	1.0	544	19
14227	0.6	0.5	1120	176	23.0	2.5	656	30
149455	0.4	<0.5	525	140	22.0	1.0	342	20
149456	0.6	1.0	570	520	17.0	2.0	328	68
Std Nominal	0.9	<0.5	285	876	11.0	1.0	1.41%	5
Determined	0.9	<0.5	280	870	11.0	1.5	1.40%	5
149457	0.6	<0.5	415	90	18.5	2.0	220	24



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
149458	0.4	<0.5	120	194	15.5	1.0	82	13
149459	0.7	<0.5	55	12	32.5	0.5	50	11
149460	47.5	<0.5	2360	3.16%	10.0	10.0	122	431
149461	0.3	<0.5	40	24	19.5	1.5	30	8
14253	0.9	<0.5	950	1100	28.0	14.0	244	34
14254	0.5	<0.5	285	716	17.0	6.0	132	22
14255	0.4	<0.5	145	1120	31.0	2.0	146	12
14256	0.7	<0.5	220	1490	31.0	3.0	310	15
14257	0.5	<0.5	490	2130	24.0	10.5	594	12
14258	0.5	<0.5	280	1040	5.5	7.5	270	13
14259	1.1	0.5	505	792	8.5	7.5	308	21
14260	1.2	0.5	470	810	8.5	7.5	314	23
14261	1.8	0.5	2150	1290	11.5	7.0	684	29
14262	3.8	0.5	3010	994	6.0	9.0	458	39
14263	2.9	1.0	2580	1070	6.0	10.0	440	54
14264	0.9	<0.5	355	758	13.0	2.0	396	23
14265	0.7	<0.5	190	358	9.0	2.5	186	17
14266	0.9	<0.5	170	2380	12.5	1.0	288	15
14266 Rpt	0.9	<0.5	185	2360	12.5	1.0	294	16
14267	1.2	<0.5	500	1300	16.0	1.5	440	13
14268	1.0	<0.5	165	2820	15.5	1.0	440	13
14269	0.7	<0.5	3200	8620	9.5	3.0	730	19
14270	0.3	<0.5	280	580	4.5	1.5	256	10
14271	0.3	<0.5	415	578	6.5	1.5	468	12
14272	0.4	<0.5	435	252	3.5	1.5	432	10
14273	0.3	<0.5	165	128	4.0	1.0	220	7
14274	0.9	<0.5	485	226	7.0	2.0	248	22
14274 Rpt	0.9	<0.5	495	232	7.0	2.0	250	24
14275	0.9	<0.5	730	556	20.5	0.5	414	17
Std Nominal	<0.1	<0.5	60	14	6.0	1.0	120	3
Determined	<0.1	<0.5	55	18	5.5	1.0	118	3
14276	0.6	<0.5	660	158	21.0	1.0	466	13
14277	0.3	<0.5	125	60	17.0	1.0	136	7
14278	0.5	<0.5	205	78	17.0	1.0	156	8
14279	0.7	<0.5	150	14	15.0	1.5	96	8
14280	48.7	<0.5	2440	3.20%	10.0	10.5	120	439
14281	0.3	<0.5	85	34	18.5	0.5	100	7
14282	0.2	<0.5	70	16	18.5	<0.5	88	7
14283	0.4	<0.5	80	20	16.0	0.5	74	10
14284	0.6	<0.5	1490	6	16.0	<0.5	106	7
14284 Rpt	0.6	<0.5	1480	6	17.0	<0.5	106	7
14285	0.5	<0.5	1060	6	18.0	0.5	70	7
14286	0.4	<0.5	260	6	18.0	<0.5	66	10



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
Std Nominal	<0.1	<0.5	155	316	7.5	2.0	6930	3
Determined	<0.1	<0.5	155	324	7.0	2.0	7000	3
14287	0.5	<0.5	190	4	15.0	<0.5	50	10
14288	0.4	<0.5	405	8	15.0	0.5	52	7
14289	0.3	<0.5	385	6	18.5	<0.5	92	8
14290	0.5	<0.5	395	28	21.0	1.0	334	15
14291	0.4	<0.5	375	98	43.0	0.5	230	16
149462	0.1	<0.5	105	6	16.0	<0.5	78	4
149463	0.2	<0.5	70	2	23.0	<0.5	70	5
149464	0.1	<0.5	75	2	27.0	0.5	70	3
149465	0.4	<0.5	55	2	27.5	<0.5	52	5
149466	2.4	<0.5	105	2	42.5	1.0	96	37
149467	2.1	<0.5	105	4	38.5	1.0	98	56
149467 Rpt	2.3	<0.5	100	2	40.5	1.5	100	56
149468	0.8	<0.5	125	10	28.5	0.5	110	22
14322	0.5	<0.5	365	52	28.5	1.5	244	24
14323	0.3	<0.5	105	2	26.0	1.0	98	15
14324	0.3	<0.5	85	2	16.5	0.5	54	10
14325	0.5	1.0	820	100	19.0	1.0	396	30
14325 Rpt	0.5	1.0	830	100	20.0	1.0	392	31
14326	0.6	1.0	1970	874	16.0	1.5	1080	58
14326 Rpt	0.6	1.0	1910	878	15.0	2.0	1060	53
14327	0.7	2.0	2240	618	18.5	1.5	1210	106
14328	0.2	0.5	750	566	8.5	1.0	370	36
14329	0.1	<0.5	250	132	15.0	0.5	122	16
14330	0.4	<0.5	165	76	24.0	0.5	94	15
149469	0.1	<0.5	125	6	21.0	0.5	44	7
Std Nominal	0.3	<0.5	<5	10	12.0	3.5	8	36
Determined	0.3	<0.5	<5	12	12.0	3.0	8	37
149470	0.6	<0.5	105	2	34.5	1.0	60	12
149471	0.1	<0.5	55	2	36.0	<0.5	36	4
149472	0.8	<0.5	80	10	49.5	<0.5	54	6
149473	1.8	<0.5	60	20	31.5	2.0	46	11
149474	<0.1	<0.5	25	10	9.5	<0.5	26	4
149475	<0.1	<0.5	35	4	21.5	0.5	32	7
149476	0.5	<0.5	640	2160	48.0	3.0	680	17
14364	0.5	<0.5	235	1200	20.0	1.5	274	6
14365	0.6	<0.5	175	1390	15.5	2.0	218	7
14366	0.7	<0.5	160	3580	5.0	5.0	218	15
14367	0.4	<0.5	290	4450	3.0	2.0	314	7
14368	0.4	<0.5	245	1250	3.5	2.0	234	17
14369	0.6	<0.5	180	1120	5.0	1.0	170	17
14370	3.4	<0.5	805	998	7.5	2.5	284	49



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
14371	0.1	<0.5	135	692	5.0	2.0	104	6
14371 Rpt	0.1	<0.5	125	668	5.0	2.0	100	6
14372	0.3	<0.5	180	1770	7.5	2.0	160	10
14373	0.3	<0.5	1940	1330	8.0	4.0	270	17
14374	0.4	<0.5	155	918	8.0	1.5	286	15
14375	1.2	0.5	1900	724	17.0	2.5	770	57
14375 Rpt	1.2	0.5	1910	722	16.0	2.5	780	58
14376	1.8	<0.5	2410	2070	17.0	2.5	1480	48
14377	1.3	<0.5	2020	844	9.5	3.5	996	50
14378	2.5	<0.5	940	980	8.5	1.5	2070	56
Std Nominal	3.0	9.0	45	1500	9.5	67.0	74	521
Determined	3.0	9.0	45	1540	9.5	66.0	72	530
14379	2.1	<0.5	2340	806	6.5	2.5	1350	40
14380	<0.1	<0.5	455	78	10.5	1.0	4970	7
14381	0.3	<0.5	190	114	3.5	1.5	196	12
14382	0.4	<0.5	610	190	5.0	2.0	160	24
14383	0.6	<0.5	380	410	17.5	0.5	318	19
14384	0.6	<0.5	315	182	21.0	1.0	268	18
14385	0.4	<0.5	145	22	23.0	1.0	164	8
14386	1.0	<0.5	185	26	17.5	1.0	132	15
14387	0.2	<0.5	45	16	17.0	0.5	60	6
14388	0.1	<0.5	60	6	19.0	<0.5	56	6
14389	0.2	<0.5	35	2	18.0	<0.5	42	7
14390	<0.1	<0.5	50	2	18.0	<0.5	44	7
14391	0.1	<0.5	50	2	16.0	<0.5	44	8
14392	0.6	<0.5	2070	16	17.5	<0.5	98	10
14392 Rpt	0.6	<0.5	2100	14	16.5	<0.5	96	10
14393	0.3	<0.5	2550	10	15.5	<0.5	106	8
14393 Rpt	0.3	<0.5	2430	10	15.5	<0.5	106	7
14394	0.4	<0.5	200	18	16.0	0.5	120	8
14395	1.3	<0.5	1110	140	17.0	1.0	674	22
14396	0.6	<0.5	660	912	11.5	1.0	432	22
14397	0.4	<0.5	315	50	21.5	0.5	232	12
149477	<0.1	<0.5	60	142	17.0	<0.5	54	5
149478	<0.1	<0.5	60	14	28.0	<0.5	54	3
149479	0.3	<0.5	630	14	33.5	<0.5	70	6
149480	0.3	<0.5	635	4	37.0	<0.5	68	7
Std Nominal	<0.1	<0.5	5	4	2.0	<0.5	252	5
Determined	<0.1	<0.5	5	6	2.0	<0.5	260	5
149481	0.9	<0.5	80	2	37.0	<0.5	54	7
149482	0.1	<0.5	75	2	41.5	<0.5	58	5
149483	0.6	<0.5	180	92	35.5	1.0	118	17
149484	0.9	0.5	135	70	31.0	0.5	92	24



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
14428	1.4	<0.5	110	6	25.5	<0.5	70	18
14429	2.6	<0.5	125	10	33.0	1.5	86	25
14430	2.5	<0.5	230	28	25.5	0.5	144	34
14431	1.0	<0.5	160	18	16.5	1.0	94	18
14432	0.2	<0.5	250	1130	18.0	<0.5	148	29
14433	0.5	<0.5	1370	1360	14.0	1.5	728	36
14434	0.2	0.5	1080	658	6.5	1.5	474	119
14435	0.3	0.5	1070	292	5.5	1.0	508	50
14436	0.3	<0.5	645	276	8.0	1.0	272	29
14437	0.2	<0.5	320	160	24.0	0.5	218	13
14438	0.2	<0.5	60	98	11.0	1.0	38	16
14439	<0.1	<0.5	50	32	15.0	1.0	32	7
14440	<0.1	<0.5	45	32	15.0	1.0	28	7
14441	<0.1	<0.5	50	2	19.5	<0.5	48	3
14442	<0.1	<0.5	40	18	11.5	<0.5	26	4
14443	0.3	<0.5	55	16	16.5	<0.5	36	5
14444	0.1	<0.5	80	20	25.0	0.5	58	5
14445	<0.1	<0.5	45	14	20.0	0.5	34	3
14445 Rpt	<0.1	<0.5	45	16	21.0	<0.5	34	3
14446	<0.1	<0.5	115	40	16.0	<0.5	66	12
14447	0.3	<0.5	50	2	25.5	<0.5	36	4
14448	0.3	<0.5	55	2	28.5	<0.5	34	4
149485	0.2	<0.5	100	2	30.0	<0.5	30	6
149486	<0.1	<0.5	90	6	34.0	<0.5	24	4
149486 Rpt	<0.1	<0.5	90	8	32.5	0.5	20	4
149487	<0.1	<0.5	35	2	39.0	1.0	24	5
149488	0.1	<0.5	55	2	24.5	1.0	32	8
14464	0.6	<0.5	1980	1830	87.5	18.5	442	58
Std Nominal	<0.1	<0.5	210	10	4.0	1.0	2000	2
Determined	<0.1	<0.5	205	12	4.0	1.0	2010	2
14465	0.8	<0.5	1890	1780	55.0	13.5	360	36
14466	1.3	<0.5	100	614	36.5	1.5	68	19
14467	0.8	<0.5	560	1380	16.0	4.0	574	15
14468	2.2	<0.5	310	174	5.5	3.0	284	24
14469	1.1	<0.5	1350	988	10.5	3.0	1300	17
14470	0.6	<0.5	1310	614	5.0	3.5	264	12
14470 Rpt	0.6	<0.5	1250	620	5.5	3.5	260	12
14471	0.7	<0.5	1100	542	6.0	3.0	256	11
14472	0.2	<0.5	615	468	4.0	2.0	274	6
14473	0.3	<0.5	335	344	3.5	1.5	94	7
Std Nominal	0.1	<0.5	95	1760	3.0	<0.5	1020	3
Determined	0.1	<0.5	90	1760	3.0	<0.5	1020	3
14474	1.2	<0.5	420	3040	5.5	2.5	222	21



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
14475	1.0	<0.5	175	5.36%	10.5	3.5	272	19
14476	0.2	<0.5	75	6940	4.5	2.0	98	4
14477	1.9	<0.5	165	5360	9.0	4.5	302	15
14478	6.8	<0.5	1000	8010	12.5	4.5	784	41
14479	6.1	<0.5	810	1780	11.0	3.5	462	47
14480	49.3	<0.5	2460	3.20%	10.0	10.5	124	442
14481	8.3	<0.5	4070	4730	8.5	4.5	550	48
14482	4.3	<0.5	245	8660	6.5	1.5	354	36
14483	2.0	<0.5	475	3620	10.0	1.5	298	28
14484	0.8	<0.5	135	1520	19.0	1.0	208	15
14485	1.6	<0.5	210	1300	20.0	1.5	198	16
14485 Rpt	1.7	<0.5	220	1290	19.5	1.5	200	17
14486	0.6	<0.5	340	1480	17.5	1.5	188	15
14487	0.9	<0.5	140	198	14.5	3.0	106	13
14488	1.3	<0.5	155	66	15.0	5.0	134	12
14489	2.3	<0.5	140	48	12.0	7.0	110	18
14490	1.0	<0.5	185	444	13.5	2.5	138	12
14491	0.6	<0.5	115	32	14.0	2.0	94	11
14492	0.3	<0.5	35	16	18.0	1.5	48	10
14493	0.1	<0.5	25	6	18.0	<0.5	34	6
14494	0.4	<0.5	20	6	15.5	1.5	34	8
14495	0.3	<0.5	25	4	14.0	<0.5	28	6
14496	0.2	<0.5	45	20	20.0	<0.5	38	7
149489	0.1	<0.5	100	18	16.0	<0.5	24	5
149490	0.2	<0.5	90	2	20.5	0.5	24	5
149491	0.4	<0.5	120	24	23.0	<0.5	36	12
149492	0.6	<0.5	60	8	24.0	1.0	56	10
149493	0.2	<0.5	45	2	24.0	<0.5	44	8
149494	<0.1	<0.5	40	2	22.5	<0.5	46	8
149494 Rpt	<0.1	<0.5	40	2	23.5	<0.5	46	7
149495	0.2	<0.5	80	12	28.5	<0.5	58	12
149496	0.7	<0.5	110	10	41.5	<0.5	86	16
149497	0.6	<0.5	95	52	31.0	<0.5	72	21
149498	0.2	<0.5	505	396	12.5	0.5	208	52
149498 Rpt	0.2	<0.5	505	406	12.0	0.5	212	54
149499	0.2	<0.5	805	48	13.5	<0.5	146	26
149500	<0.1	<0.5	445	76	10.0	0.5	5050	7
Std Nominal	<0.1	<0.5	750	26	3.0	1.0	1.48%	3
Determined	<0.1	<0.5	750	28	3.0	1.0	1.46%	3
149501	0.1	<0.5	45	14	14.5	0.5	24	5
149502	0.8	<0.5	75	16	17.0	4.5	62	13
149503	0.5	<0.5	60	12	24.0	1.5	60	6
149504	0.6	<0.5	55	2	32.5	1.5	42	7



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
149505	<0.1	<0.5	30	32	14.0	<0.5	26	3
149506	<0.1	<0.5	15	92	6.0	<0.5	14	3
Std Nominal	0.9	<0.5	285	876	11.0	1.0	1.41%	5
Determined	0.9	<0.5	285	868	11.0	1.0	1.39%	5
149507	0.6	<0.5	310	746	12.0	2.0	398	7
149508	<0.1	<0.5	45	230	4.5	1.0	58	4
149508 Rpt	<0.1	<0.5	40	234	4.5	1.0	58	4
14578	0.3	<0.5	60	508	9.0	1.0	46	8
14579	0.2	<0.5	35	1040	14.0	1.0	54	11
14580	<0.1	<0.5	445	78	10.0	0.5	5040	6
14580 Rpt	<0.1	<0.5	455	76	9.5	0.5	5080	7
14581	0.2	<0.5	150	2440	15.0	1.0	136	11
14582	0.1	<0.5	130	566	6.5	1.0	76	7
14583	<0.1	<0.5	10	78	1.5	1.5	10	3
14584	0.9	<0.5	45	214	5.5	1.0	36	21
14585	0.3	<0.5	170	1050	16.0	0.5	236	13
14586	0.1	<0.5	75	246	19.0	<0.5	100	8
14587	<0.1	<0.5	30	6	18.5	<0.5	38	7
14588	0.2	<0.5	15	6	10.0	0.5	24	6
14589	0.2	<0.5	75	4	10.0	<0.5	20	5
14590	0.5	<0.5	1620	2	13.0	<0.5	42	6
14591	0.3	<0.5	265	94	15.5	<0.5	38	6
149509	0.4	<0.5	45	2	12.5	<0.5	32	8
149510	0.2	<0.5	20	2	13.5	<0.5	32	7
149511	<0.1	<0.5	15	36	22.5	<0.5	14	4
149512	0.4	<0.5	50	2	13.5	<0.5	20	21
149513	0.7	<0.5	60	2	29.0	<0.5	32	5
149514	0.2	<0.5	85	2	27.5	<0.5	18	4
Std Nominal	<0.1	<0.5	60	14	6.0	1.0	120	3
Determined	<0.1	<0.5	55	12	6.0	1.0	120	2
149515	<0.1	<0.5	130	2	34.0	<0.5	34	4
149516	0.2	<0.5	150	78	31.5	0.5	34	6
149517	0.2	<0.5	90	14	39.0	0.5	56	6
149517 Rpt	0.2	<0.5	90	14	37.5	1.0	56	6
149518	0.5	<0.5	75	2	38.0	0.5	56	8
14634	0.9	<0.5	55	6	17.5	3.5	32	13
14634 Rpt	1.0	<0.5	55	8	18.0	3.5	34	13
14635	1.8	<0.5	40	6	20.5	1.0	34	18
14636	<0.1	<0.5	35	260	13.0	<0.5	20	8
14637	<0.1	<0.5	40	30	18.5	<0.5	30	10
14638	<0.1	<0.5	25	58	5.0	<0.5	8	7
14639	<0.1	<0.5	40	16	8.0	<0.5	14	22
14640	<0.1	<0.5	35	14	8.0	<0.5	12	20



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
14641	<0.1	<0.5	25	6	9.0	<0.5	14	6
14642	<0.1	<0.5	30	6	6.5	<0.5	12	4
14643	<0.1	<0.5	40	22	6.0	<0.5	14	11
14644	0.2	<0.5	30	6	12.0	0.5	16	11
14645	0.3	<0.5	40	2	26.0	1.0	24	7
14646	0.5	<0.5	85	72	25.0	1.0	36	12
139651	0.6	<0.5	450	662	33.0	4.0	172	22
139652	0.5	<0.5	1960	1680	10.0	5.5	476	15
15109	0.5	<0.5	2370	2770	6.0	6.5	574	17
15110	0.5	<0.5	1980	2480	4.5	4.0	630	18
Std Nominal	<0.1	<0.5	155	316	7.5	2.0	6930	3
Determined	<0.1	<0.5	155	320	7.5	2.0	6930	3
15111	1.0	<0.5	780	1.08%	12.0	3.5	498	18
15112	2.6	<0.5	435	6690	9.5	5.5	414	36
15113	2.0	<0.5	1270	1820	6.0	3.0	224	25
15114	1.3	<0.5	2550	3070	13.5	2.5	594	26
15115	1.9	0.5	3650	2460	11.0	3.0	876	35
15116	3.8	0.5	1250	2850	17.0	1.5	1230	37
15117	3.0	<0.5	270	1340	9.0	1.5	554	36
15118	2.4	<0.5	3450	1540	6.5	3.5	572	30
15119	0.6	<0.5	170	1080	7.5	1.5	222	12
15120	0.6	<0.5	165	1120	7.5	1.5	230	12
15121	1.3	<0.5	280	2420	13.5	1.0	234	24
139653	0.8	<0.5	180	268	22.0	1.0	172	16
139654	0.2	<0.5	60	18	17.0	0.5	52	6
139655	0.2	<0.5	25	10	15.0	1.0	36	7
139655 Rpt	0.2	<0.5	25	12	15.0	1.0	34	6
139656	0.4	<0.5	35	28	18.5	<0.5	50	11
139657	0.5	<0.5	145	74	27.5	<0.5	118	17
139657 Rpt	0.5	<0.5	145	72	29.5	<0.5	122	18
139658	0.4	<0.5	120	46	19.5	0.5	106	12
139659	1.3	<0.5	105	22	20.0	0.5	90	23
139660	<0.1	<0.5	455	78	10.0	0.5	5050	7
139661	0.7	<0.5	105	22	20.0	0.5	96	13
15155	<0.1	<0.5	35	2	17.5	<0.5	36	3
Std Nominal	0.3	<0.5	<5	10	12.0	3.5	8	36
Determined	0.3	<0.5	<5	12	12.0	3.5	8	38
15156	0.2	<0.5	30	6	19.5	<0.5	36	10
15157	0.4	<0.5	35	16	20.0	0.5	30	6
15158	0.6	<0.5	150	32	28.5	<0.5	116	13
15159	0.2	<0.5	85	2	36.5	<0.5	58	8
15160	50.6	<0.5	2420	3.15%	10.0	10.0	120	438
15161	0.1	<0.5	110	18	46.0	<0.5	90	6



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
15162	0.1	<0.5	140	98	52.5	<0.5	116	7
15163	0.3	<0.5	170	28	45.5	<0.5	130	10
15164	0.3	<0.5	140	56	32.0	<0.5	120	11
15165	0.8	0.5	320	68	28.0	1.0	314	25
15166	0.5	<0.5	145	18	32.0	0.5	132	40
15166 Rpt	0.5	0.5	140	18	33.0	0.5	134	40
15167	0.8	<0.5	200	90	33.0	<0.5	198	18
15168	1.2	<0.5	115	14	29.5	0.5	94	13
15169	0.4	<0.5	135	16	30.0	<0.5	102	11
15170	<0.1	<0.5	90	10	37.0	<0.5	84	6
15171	0.1	<0.5	125	18	20.5	<0.5	90	8
15171 Rpt	0.1	<0.5	130	20	19.0	<0.5	90	7
15172	0.2	<0.5	215	352	24.5	<0.5	148	19
15173	0.3	<0.5	190	1510	16.0	<0.5	156	30
15174	<0.1	<0.5	125	18	18.5	<0.5	92	6
15175	<0.1	<0.5	80	6	15.0	0.5	58	3
139662	0.1	<0.5	105	14	14.0	1.0	44	6
139663	0.2	<0.5	50	26	29.0	<0.5	38	6
139664	0.2	<0.5	45	6	26.5	1.0	38	4
139665	0.1	<0.5	45	8	31.5	<0.5	40	4
139666	0.1	<0.5	65	26	40.0	<0.5	54	4
139666 Rpt	0.1	<0.5	65	12	40.0	<0.5	52	4
15197	<0.1	<0.5	40	38	29.0	<0.5	46	2
15198	<0.1	<0.5	40	388	25.0	<0.5	40	3
Std Nominal	3.0	9.0	45	1500	9.5	67.0	74	521
Determined	3.1	9.0	45	1490	9.5	65.0	76	538
15199	<0.1	<0.5	40	32	19.5	0.5	44	6
15200	Sample Not Received							
15201	<0.1	<0.5	20	50	9.0	<0.5	16	4
15202	<0.1	<0.5	15	32	9.0	<0.5	18	2
15203	<0.1	<0.5	20	54	14.0	<0.5	16	3
15204	<0.1	<0.5	20	26	13.0	<0.5	16	6
15204 Rpt	<0.1	<0.5	20	24	13.5	<0.5	14	6
15205	<0.1	<0.5	50	138	24.5	<0.5	28	6
139667	0.4	0.5	810	966	19.5	7.5	440	19
139668	0.4	<0.5	495	1830	10.5	4.5	756	7
15214	0.7	<0.5	495	5130	6.0	3.5	320	15
15215	3.1	1.0	895	5760	7.5	6.5	336	29
15216	0.8	<0.5	120	2790	9.0	2.0	154	17
15217	0.4	<0.5	85	978	5.5	1.5	94	6
15218	0.5	<0.5	400	1200	8.5	2.0	128	8
15219	0.2	<0.5	1240	1130	12.5	2.0	264	7
15220	0.2	<0.5	1300	1070	12.5	2.0	248	7



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
15221	1.9	<0.5	230	1930	21.5	1.5	390	22
Std Nominal	<0.1	<0.5	5	4	2.0	<0.5	252	5
Determined	<0.1	<0.5	10	6	2.0	<0.5	250	5
15222	2.5	<0.5	4500	2860	14.0	3.0	584	22
15223	1.3	<0.5	770	1140	6.0	3.0	300	21
15224	0.4	<0.5	1450	1410	6.0	2.0	194	7
15225	0.5	<0.5	1240	1900	5.0	2.0	198	15
15226	0.2	<0.5	3210	712	5.0	3.0	216	13
15227	0.2	<0.5	130	472	4.0	1.0	70	10
15228	0.4	<0.5	200	164	23.0	0.5	164	10
15229	0.8	<0.5	140	46	24.0	0.5	110	12
15230	1.0	<0.5	185	42	23.5	1.5	154	15
139669	0.5	<0.5	75	22	19.0	0.5	72	7
139669 Rpt	0.4	<0.5	70	18	18.5	0.5	74	8
139670	0.4	<0.5	30	18	14.0	1.0	42	10
139671	0.3	<0.5	35	6	13.0	0.5	26	8
139672	0.7	<0.5	255	54	23.5	4.0	28	17
139672 Rpt	0.7	<0.5	270	52	23.0	4.0	30	18
139673	0.6	<0.5	190	66	20.0	1.0	76	17
139674	0.9	<0.5	65	16	36.5	<0.5	48	6
139675	0.9	<0.5	145	30	29.5	0.5	116	8
139676	0.1	<0.5	135	30	32.0	<0.5	136	8
139677	0.2	<0.5	60	26	27.5	<0.5	48	6
139678	0.3	<0.5	65	12	27.5	1.0	52	6
139679	0.4	<0.5	120	18	31.5	1.0	86	25
139680	47.9	<0.5	2390	3.24%	10.0	10.5	120	440
139681	0.4	<0.5	130	24	19.5	0.5	58	20
Std Nominal	<0.1	<0.5	210	10	4.0	1.0	2000	2
Determined	<0.1	<0.5	210	12	4.0	1.0	2000	2
139682	0.2	<0.5	165	20	14.0	0.5	86	8
139683	0.3	<0.5	90	16	18.0	<0.5	18	5
139684	0.6	<0.5	40	4	29.0	0.5	34	7
139685	0.3	<0.5	65	6	37.0	1.5	40	6
139686	0.5	<0.5	90	36	52.0	<0.5	48	8
139687	<0.1	<0.5	70	8	46.5	<0.5	62	3
139688	<0.1	<0.5	20	18	10.5	<0.5	24	4
139689	0.2	<0.5	620	600	5.0	10.0	576	6
139690	0.7	<0.5	1200	1510	7.5	4.0	198	11
139691	0.2	<0.5	110	1100	9.5	1.5	182	5
139691 Rpt	0.2	<0.5	105	1100	9.0	1.5	180	5
15324	0.3	<0.5	255	854	14.5	1.0	290	7
15324 Rpt	0.3	<0.5	260	874	14.5	1.0	296	7
15325	<0.1	<0.5	95	264	5.0	1.5	60	4



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	Bi ppm	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
Detection Limit	0.1	0.5	5	2	0.5	0.5	2	1
15326	0.2	<0.5	120	516	14.5	0.5	182	5
15327	<0.1	<0.5	350	1780	8.5	1.0	502	6
15328	<0.1	<0.5	365	1300	6.5	0.5	522	5
15329	0.2	<0.5	310	1090	9.5	1.0	596	12
15330	0.9	<0.5	235	538	23.0	0.5	298	12
15331	0.2	<0.5	70	156	21.5	1.0	84	7
139692	0.2	<0.5	95	68	20.5	1.0	66	7
139693	0.3	<0.5	30	48	17.5	1.5	44	8
139694	0.3	<0.5	20	42	12.0	1.0	36	8
139694 Rpt	0.4	<0.5	20	42	13.0	1.0	34	10
149519	0.3	<0.5	60	18	37.5	0.5	30	6
149519 Rpt	0.3	<0.5	65	20	37.0	0.5	32	6
149520	48.2	<0.5	2370	3.22%	10.0	10.5	118	438
149521	0.3	<0.5	85	16	45.0	0.5	30	10
149522	0.7	<0.5	60	22	46.5	<0.5	28	6
149523	0.8	<0.5	75	18	48.0	<0.5	44	7
Std Nominal	0.1	<0.5	95	1760	3.0	<0.5	1020	3
Determined	0.1	<0.5	90	1740	3.0	<0.5	1010	3
149524	<0.1	<0.5	30	44	25.0	<0.5	32	3
149525	<0.1	<0.5	20	16	20.0	2.5	18	6
149526	<0.1	<0.5	35	96	46.0	1.0	36	7
149526 Rpt	<0.1	<0.5	40	96	44.0	1.0	34	7
Std Nominal	<0.1	<0.5	750	26	3.0	1.0	1.48%	3
Determined	<0.1	<0.5	755	26	3.5	1.0	1.47%	3



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
14162	50	3.0	12.8
14163	46	5.9	26.4
14164	32	2.1	8.8
14165	16	2.0	9.0
14166	34	2.9	14.8
14167	42	2.9	20.2
149444	44	3.1	22.7
149445	36	3.1	20.4
149446	38	3.8	19.6
149447	28	12.4	13.8
149448	46	6.3	12.5
149449	24	4.5	11.3
149449 Rpt	24	4.5	11.6
149450	92	3.8	11.2
Std Nominal	516	0.2	0.2
Determined	508	0.2	0.3
14197	92	5.9	12.2
14198	96	9.9	12.7
14199	290	7.1	12.2
14200	36	1.4	3.0
14201	156	5.9	12.8
14201 Rpt	160	5.8	12.8
149451	272	7.6	13.7
149452	484	10.1	13.3
149453	338	8.3	13.4
149454	294	9.8	14.4
14218	92	5.7	16.5
14219	68	6.1	15.5
14220	98	0.9	2.6
14221	170	4.2	9.2
14222	80	3.2	6.7
14223	42	8.9	19.6
14224	42	6.4	16.2
14224 Rpt	40	6.8	16.7
14225	160	9.2	24.7
14225 Rpt	170	8.9	23.7
14226	106	6.9	22.6
14227	128	39.3	25.7
149455	60	28.4	20.9
149456	162	23.4	19.7
Std Nominal	76	0.3	1.1
Determined	74	0.3	1.2
149457	72	19.1	19.7



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
149458	56	12.9	15.5
149459	44	5.2	12.5
149460	38	1.4	3.0
149461	42	4.2	8.7
14253	20	9.4	13.3
14254	30	8.2	11.7
14255	24	6.2	10.8
14256	60	5.2	11.5
14257	114	6.5	11.7
14258	56	5.5	11.1
14259	66	5.8	11.5
14260	62	6.3	12.0
14261	120	5.9	12.7
14262	136	6.3	11.8
14263	148	9.7	13.3
14264	90	5.9	20.8
14265	42	2.5	10.0
14266	50	3.7	17.9
14266 Rpt	54	3.8	19.6
14267	72	3.9	20.2
14268	50	4.1	21.1
14269	78	5.1	18.9
14270	26	2.1	10.7
14271	48	2.4	16.2
14272	40	1.4	6.7
14273	16	1.7	7.2
14274	44	1.8	8.8
14274 Rpt	46	1.9	9.0
14275	42	2.8	19.3
Std Nominal	68	0.3	0.5
Determined	66	0.3	0.5
14276	42	3.0	20.8
14277	28	2.6	20.3
14278	46	2.6	20.1
14279	36	2.6	20.6
14280	36	1.4	3.0
14281	46	3.0	22.5
14282	46	3.1	25.1
14283	36	4.4	27.4
14284	42	3.6	23.0
14284 Rpt	40	3.7	23.7
14285	48	3.6	24.3
14286	48	5.2	25.6



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
Std Nominal	104	0.7	2.8
Determined	108	0.6	2.7
14287	42	4.2	21.6
14288	38	5.1	20.5
14289	44	6.3	24.7
14290	48	8.2	24.4
14291	38	29.6	19.7
149462	28	6.4	13.1
149463	38	4.7	11.9
149464	44	3.3	11.7
149465	44	3.9	11.2
149466	78	7.0	12.6
149467	68	5.3	13.2
149467 Rpt	64	5.3	14.0
149468	52	5.5	12.3
14322	110	4.7	14.6
14323	62	5.4	13.6
14324	36	5.8	13.3
14325	176	7.7	19.2
14325 Rpt	180	7.7	19.8
14326	238	8.7	27.0
14326 Rpt	240	8.8	26.4
14327	546	10.6	27.6
14328	150	3.6	11.5
14329	82	4.8	16.4
14330	76	10.9	24.1
149469	38	6.6	12.4
Std Nominal	50	17.3	51.0
Determined	52	17.6	50.1
149470	58	4.8	13.3
149471	66	3.2	11.4
149472	84	3.6	12.7
149473	58	4.3	11.6
149474	24	3.8	8.7
149475	52	4.5	10.0
149476	130	4.4	12.2
14364	70	3.7	11.6
14365	42	3.6	11.9
14366	48	4.4	11.5
14367	52	3.7	10.6
14368	66	5.3	13.7
14369	50	6.9	12.0
14370	70	12.6	17.5



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
14371	24	1.2	4.4
14371 Rpt	26	1.2	4.4
14372	44	1.8	6.3
14373	56	2.0	7.2
14374	44	2.2	9.3
14375	94	3.3	17.2
14375 Rpt	94	3.2	16.8
14376	70	4.3	21.0
14377	120	3.2	14.8
14378	218	4.9	24.9
Std Nominal	5200	0.8	2.7
Determined	5190	0.8	2.8
14379	148	3.6	20.2
14380	96	0.9	2.7
14381	30	1.2	5.3
14382	36	1.4	6.4
14383	38	3.3	19.8
14384	62	3.4	24.7
14385	58	3.5	24.7
14386	40	3.2	23.9
14387	70	3.1	22.9
14388	40	4.1	25.8
14389	40	3.8	25.1
14390	46	4.5	25.4
14391	40	4.9	25.4
14392	48	4.1	24.6
14392 Rpt	46	3.9	23.2
14393	48	4.7	23.7
14393 Rpt	50	4.5	22.4
14394	58	5.1	23.6
14395	42	5.0	23.8
14396	82	28.7	21.9
14397	22	21.7	14.1
149477	22	12.1	13.2
149478	42	5.9	12.5
149479	60	3.3	12.3
149480	60	3.1	12.7
Std Nominal	10	<0.1	0.1
Determined	8	<0.1	0.1
149481	50	3.9	12.5
149482	60	3.5	12.1
149483	168	4.3	11.2
149484	186	3.8	12.2



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
14428	42	4.3	13.7
14429	94	4.5	14.3
14430	66	5.1	13.4
14431	44	4.4	13.7
14432	66	4.5	16.0
14433	80	7.1	22.3
14434	156	3.4	10.3
14435	196	3.5	10.1
14436	142	3.5	12.8
14437	58	7.8	20.8
14438	22	8.2	10.3
14439	30	4.7	9.6
14440	30	5.0	10.1
14441	48	4.5	10.8
14442	26	4.6	9.0
14443	28	3.8	9.5
14444	36	4.5	9.5
14445	30	2.8	7.3
14445 Rpt	30	2.8	7.4
14446	48	2.9	7.1
14447	48	3.0	7.9
14448	48	3.1	7.5
149485	64	2.7	8.5
149486	64	2.0	8.6
149486 Rpt	62	2.2	8.3
149487	82	2.3	9.0
149488	46	2.3	8.7
14464	12	8.3	15.7
Std Nominal	90	0.1	0.5
Determined	90	0.1	0.5
14465	12	11.4	12.5
14466	20	5.0	11.4
14467	106	3.3	10.3
14468	60	3.0	10.7
14469	190	3.0	11.0
14470	34	5.8	11.6
14470 Rpt	36	5.8	11.5
14471	38	4.8	12.0
14472	32	5.0	12.9
14473	16	5.7	12.1
Std Nominal	64	0.1	0.4
Determined	64	0.1	0.5
14474	38	15.8	15.5



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
14475	56	11.1	23.2
14476	24	2.1	6.7
14477	36	4.1	11.8
14478	66	10.0	26.2
14479	36	13.3	18.3
14480	36	1.5	3.2
14481	50	13.6	22.1
14482	26	7.3	33.1
14483	42	6.1	32.2
14484	42	3.7	25.0
14485	40	3.9	26.2
14485 Rpt	42	4.1	27.6
14486	44	3.8	27.7
14487	68	3.5	22.7
14488	22	3.9	27.7
14489	26	3.7	25.5
14490	28	3.4	23.7
14491	32	4.2	22.7
14492	42	4.9	23.8
14493	44	4.4	21.9
14494	40	4.7	21.7
14495	40	5.1	19.8
14496	38	5.3	23.7
149489	20	6.5	11.3
149490	26	5.7	11.2
149491	32	5.3	12.0
149492	34	3.3	12.2
149493	42	3.9	12.0
149494	42	4.5	12.1
149494 Rpt	40	4.7	12.7
149495	56	6.4	11.5
149496	98	4.3	13.3
149497	50	4.3	12.9
149498	98	5.6	13.9
149498 Rpt	96	5.9	14.5
149499	48	10.6	15.3
149500	100	1.0	2.7
Std Nominal	516	0.2	0.2
Determined	510	0.2	0.2
149501	22	7.8	14.3
149502	30	6.3	14.5
149503	38	5.6	15.0
149504	40	3.1	10.4



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
149505	24	4.3	9.3
149506	14	1.6	5.5
Std Nominal	76	0.3	1.1
Determined	76	0.3	1.1
149507	48	3.6	9.7
149508	12	2.1	7.4
149508 Rpt	12	2.0	7.3
14578	16	2.7	14.9
14579	32	4.1	19.7
14580	96	0.8	2.6
14580 Rpt	96	0.9	2.5
14581	36	4.3	25.8
14582	12	2.6	15.0
14583	2	0.8	4.0
14584	10	3.5	19.2
14585	44	4.7	25.5
14586	44	3.2	23.8
14587	46	2.6	20.4
14588	58	2.5	18.5
14589	32	2.0	15.3
14590	36	2.4	19.1
14591	44	2.8	21.7
149509	40	3.3	19.2
149510	40	3.9	17.9
149511	16	12.5	8.6
149512	26	5.6	10.4
149513	48	3.4	10.3
149514	52	1.9	9.6
Std Nominal	68	0.3	0.5
Determined	66	0.3	0.5
149515	94	2.0	9.8
149516	130	2.6	10.6
149517	70	5.1	12.2
149517 Rpt	70	5.1	12.1
149518	72	3.6	12.3
14634	68	3.8	11.9
14634 Rpt	68	3.9	12.1
14635	42	3.6	10.6
14636	36	2.6	8.3
14637	58	4.6	15.5
14638	28	1.1	4.1
14639	34	2.4	6.7
14640	36	2.5	6.9



Bureau Veritas Minerals Pty Ltd



MINERAL TESTING & LABORATORY SERVICES

ABN: 30 008 127 802

58 Sorbonne Crescent Canning Vale
Perth WA 6155 Australia

Telephone (08) 9456 0404
Facsimile (08) 9456 0403

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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
14641	26	2.5	7.5
14642	26	2.3	6.5
14643	34	1.7	6.3
14644	36	2.9	10.5
14645	42	8.2	12.6
14646	44	5.2	10.6
139651	34	4.8	9.5
139652	126	5.4	9.3
15109	84	9.2	11.5
15110	80	15.9	15.7
Std Nominal	104	0.7	2.8
Determined	106	0.7	2.7
15111	114	23.0	19.6
15112	90	15.7	23.4
15113	56	8.4	24.1
15114	162	6.8	27.4
15115	122	4.8	16.1
15116	76	5.1	25.0
15117	48	3.4	16.7
15118	66	7.4	32.9
15119	34	3.5	18.8
15120	34	3.6	19.2
15121	40	5.9	29.0
139653	46	3.6	25.4
139654	40	3.0	21.9
139655	38	4.1	20.0
139655 Rpt	36	4.3	21.1
139656	42	5.2	24.0
139657	34	11.4	15.2
139657 Rpt	34	11.6	15.0
139658	42	8.2	13.2
139659	46	5.5	12.3
139660	98	0.9	2.7
139661	50	3.8	11.7
15155	22	2.7	10.6
Std Nominal	50	17.3	51.0
Determined	50	17.0	52.2
15156	38	3.3	11.1
15157	48	2.8	9.2
15158	86	3.4	11.3
15159	78	2.7	10.3
15160	38	1.5	3.0
15161	66	10.3	11.4



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
15162	72	6.9	13.4
15163	60	5.8	13.9
15164	40	6.8	12.6
15165	122	7.3	12.4
15166	118	5.5	12.1
15166 Rpt	116	5.7	12.7
15167	164	4.7	12.7
15168	96	4.1	12.3
15169	48	4.1	13.1
15170	52	5.1	13.0
15171	42	5.9	13.2
15171 Rpt	44	6.1	13.7
15172	64	8.8	22.6
15173	60	8.2	21.0
15174	26	4.7	13.4
15175	22	5.2	12.1
139662	32	4.4	12.2
139663	76	10.2	11.1
139664	50	4.7	11.8
139665	44	4.5	11.7
139666	68	3.7	12.1
139666 Rpt	68	3.6	12.0
15197	48	4.6	12.6
15198	98	4.7	11.9
Std Nominal	5200	0.8	2.7
Determined	5160	0.8	2.8
15199	58	5.2	11.6
15200	Sample Not Received		
15201	20	2.4	7.5
15202	22	2.4	6.6
15203	30	2.2	8.0
15204	24	2.0	7.9
15204 Rpt	20	2.0	7.8
15205	52	3.7	13.7
139667	110	3.6	10.2
139668	98	4.1	11.2
15214	70	4.5	10.6
15215	140	14.0	19.0
15216	62	4.2	15.3
15217	28	1.7	6.8
15218	46	2.5	12.1
15219	52	2.9	13.4
15220	48	2.9	12.7



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
15221	64	3.8	21.3
Std Nominal	10	<0.1	0.1
Determined	8	<0.1	0.1
15222	62	3.4	16.8
15223	38	3.4	19.0
15224	22	2.7	12.0
15225	28	2.9	13.6
15226	42	2.7	9.4
15227	20	1.1	6.5
15228	52	3.4	18.9
15229	40	3.1	20.4
15230	38	3.4	22.7
139669	52	3.4	21.4
139669 Rpt	50	3.4	22.1
139670	46	3.6	17.9
139671	40	4.4	17.5
139672	92	6.1	9.8
139672 Rpt	90	6.4	10.1
139673	76	5.1	10.5
139674	60	3.2	10.3
139675	66	4.4	11.7
139676	66	4.1	12.0
139677	44	3.2	10.8
139678	48	3.8	11.3
139679	80	3.8	12.7
139680	36	1.4	2.9
139681	68	4.2	11.8
Std Nominal	90	0.1	0.5
Determined	92	0.1	0.5
139682	38	3.7	11.0
139683	30	6.6	9.7
139684	42	5.1	11.1
139685	90	4.3	11.1
139686	122	3.9	12.0
139687	82	4.7	12.1
139688	22	3.3	8.3
139689	68	4.8	10.6
139690	46	8.4	13.8
139691	34	2.3	10.4
139691 Rpt	34	2.3	10.3
15324	38	2.6	14.0
15324 Rpt	36	2.7	14.8
15325	114	0.8	3.9



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	Zn ppm	U ppm	Th ppm
Detection Limit	2	0.1	0.1
15326	40	2.8	16.7
15327	38	2.4	10.1
15328	34	1.9	9.0
15329	42	2.7	15.1
15330	44	3.3	21.3
15331	60	2.8	20.3
139692	42	3.5	23.8
139693	72	3.0	19.1
139694	46	3.4	17.9
139694 Rpt	44	3.6	17.6
149519	58	4.1	10.6
149519 Rpt	56	3.9	10.5
149520	38	1.4	3.0
149521	110	4.2	11.8
149522	96	3.4	11.1
149523	116	4.2	11.9
Std Nominal	64	0.1	0.4
Determined	62	0.1	0.5
149524	38	3.5	8.0
149525	34	3.5	10.6
149526	84	3.7	17.0
149526 Rpt	82	3.6	16.4
Std Nominal	516	0.2	0.2
Determined	522	0.2	0.3

These results pertain to the samples as received at this laboratory.
Where standards are reported, the nominal value for the element is reported above the result found.

"IS" Implies insufficient sample for this determination

"NR" Implies result is not required for this determination

"M" Implies this result reported in ppm

"%" Implies this result reported in %

Sample Storage

The excess material (Residue) will be held after 30 days

The pulp samples (Pulp) will be held after 60 days as per instructions.

Sample Preparation

The samples have been sorted and dried. Primary preparation has been by crushing the whole sample. The samples have been split with a riffle splitter to obtain a sub-fraction which has then been pulverised in a vibrating pulveriser.



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Digest and Analysis:

The sample(s) have been digested and refluxed with a mixture of Acids including Hydrofluoric, Nitric, Hydrochloric and Perchloric Acids. This extended digest approaches a Total digest for many elements however some refractory minerals are not completely attacked.

Ca,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,P,S,V,Zn

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.

Ag,As,Ba,Bi,Cd,Li,Mo,Pb,Th,U

have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.

The samples have been analysed by Firing a 40 gm (approx) portion of the sample. Lower sample weights may be employed for samples with very high sulphide and metal contents. This is the classical fire assay process and will give total separation of Gold, Platinum and Palladium in the sample.

Au,I,Pd,Pt

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.