Certificate of Analysis

Work Order: 094202

To: Chalice Diamond Corp
711-675 West Hastings St.
VANCOUVER
BC V6B 1N2

Date: Sep 21, 2007

P.O. No.	:	PENH
Project No.	:	DEFAULT
No. Of Samples		107
Date Submitted		Jul 20, 2007
Report Comprises		Pages 1 to 16
		(Inclusive of Cover Sheet)

Distribution of unused material:

Discard after 90 days: 107 Soils

Certified By : _____

Russ Calow, B.Sc., C.Chem.
Vice President Global Geochemistry

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted

Subject to SGS General Terms and Conditions

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
3 L100W-100S	7	130	<10	0.1	320	<1	290	38	203	102
3 L100W-75S	11	158	20	0.1	370	<1	160	11	244	85
3 L100W-50S	10	277	20	<0.1	990	1	60	15	389	91
3 L100W-25S	5	147	<10	<0.1	190	<1	230	16	64	15
3 L100W-00N	6	145	<10	<0.1	240	<1	220	18	50	19
3 L100W-25N	5	16	10	0.3	390	<1	280	3	71	72
3 L100W-50N	7	79	10	0.1	250	<1	190	2	104	59
3 L100W-75N	5	11	10	0.3	380	<1	220	3	35	94
3 L100W-100N	3	120	20	0.1	530	<1	40	2	160	121
3 L100W-125N	5	203	20	<0.1	950	<1	120	37	61	57
3 L100W-150N	5	177	40	<0.1	640	2	60	11	208	137
3 L200W-100S	6	>300	40	<0.1	660	<1	80	13	287	143
3 L200W-75S	7	298	20	<0.1	350	<1	60	9	83	101
3 L200W-50S	17	146	10	0.2	210	<1	220	9	349	88
3 L200W-25S	6	168	30	<0.1	650	1	150	63	63	38
3 L200W-00N	6	219	30	<0.1	670	1	170	17	77	151
3 L200W-25N	5	262	30	<0.1	600	<1	170	14	132	138
3 L200W-50N	19	>300	20	<0.1	710	<1	50	10	100	103
3 L200W-75N	16	>300	20	<0.1	830	<1	60	11	92	114
3 L200W-100N	24	>300	20	<0.1	560	<1	20	5	96	195
3 L200W-125N	3	234	30	<0.1	670	<1	40	3	310	283
3 L200W-150N	5	242	30	<0.1	1130	1	90	23	68	63
3 L00E-100S	7	130	20	<0.1	850	<1	260	63	198	142
3 L00E-75S	7	52	20	0.6	290	<1	220	10	231	151
3 L00E-50S	6	13	10	0.4	330	<1	260	3	33	96
3 L00E-25S	6	130	<10	0.2	220	<1	260	3	106	82
3 L00E-00N	9	22	10	0.3	340	<1	300	3	81	237
3 L00E-25N	4	9	10	0.3	480	<1	190	1	29	81
3 L00E-50N	11	28	<10	0.2	280	<1	260	1	17	29
3 L00E-75N	5	220	40	<0.1	600	1	140	14	99	170
3 L00E-100N	2	235	40	<0.1	550	3	30	17	44	152
3 L00E-125N	4	283	40	<0.1	790	3	70	20	101	160
3 L00E-150N	7	261	10	<0.1	460	<1	100	12	51	35
3 L100E-100S	5	235	<10	0.2	140	<1	70	8	82	20
3 L100E-75S	3	159	70	0.2	650	<1	110	5	2560	225
3 L100E-50S	4	137	20	<0.1	440	<1	230	12	232	97
3 L100E-25S	13	26	<10	0.4	470	<1	390	14	42	49
3 L100E-00N	9	11	20	0.4	340	<1	350	7	46	70
3 L100E-25N	7	94	20	0.9	220	<1	50	2	374	74
3 L100E-50N	3	180	50	<0.1	750	2	90	13	104	136
3 L100E-75N	1	217	30	<0.1	710	3	110	18	85	94
31 L1W-150N	3	72	<10	0.1	280	<1	260	15	185	433
31 L1W-125N	8	53	10	0.1	370	<1	250	16	494	155
31 L1W-100N	5	79	<10	0.1	390	<1	350	21	145	121
31 L1W-75N	2	54	30	0.1	500	<1	340	9	153	41
31 L1W-50N	<1	66	<10	<0.1	290	<1	200	<1	<5	46
31 L1W-25N	<1	33	<10	0.1	410	<1	290	3	29	87
31 L1W-00N	3	134	<10	0.2	590	<1	410	43	79	146

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
31 L1W- 25S	1	43	<10	0.2	410	<1	290	<1	21	50
31 L1W- 50S	1	86	<10	<0.1	230	<1	190	10	6	104
31 L1W- 75S	6	6	30	0.3	810	<1	400	3	43	43
31 L1W-100S	1	219	20	0.2	1550	1	40	2	816	125
31 L1W-125S	4	254	<10	<0.1	240	<1	<10	<1	30	9
31 L1W-150S	2	188	<10	<0.1	180	<1	<10	7	43	16
31 L2W-150N	1	76	20	<0.1	360	<1	160	3	12	105
31 L2W-125N	<1	61	<10	<0.1	230	<1	240	12	26	56
31 L2W-100N	<1	53	<10	<0.1	110	<1	190	<1	<5	36
31 L2W-75N	2	83	<10	<0.1	310	<1	260	4	59	39
31 L2W-50N	2	129	10	0.1	770	<1	210	4	347	89
31 L2W-25N	2	40	<10	<0.1	380	<1	240	5	221	123
31 L2W-00N	2	67	20	0.1	460	1	190	5	289	134
31 L2W- 25S	<1	27	<10	<0.1	110	<1	340	3	<5	20
31 L2W- 50S	7	44	<10	0.2	520	<1	380	28	153	294
31 L2W- 75S	2	118	30	0.1	790	1	100	4	164	93
31 L2W-100S	2	219	<10	<0.1	310	<1	20	7	94	50
31 L2W-125S	2	264	10	<0.1	670	1	20	4	109	36
31 L2W-150S	4	131	<10	<0.1	250	<1	<10	7	57	27
31 L00E-150N	5	131	<10	<0.1	420	<1	240	12	244	24
31 L00E-125N	3	270	10	<0.1	200	<1	<10	2	47	12
31 L00E-100N	2	67	<10	<0.1	240	<1	240	11	206	39
31 L00E-75N	3	63	<10	<0.1	400	<1	250	15	257	77
31 L00E-50N	2	107	10	0.2	670	1	220	7	461	132
31 L00E-25N	3	92	<10	0.1	480	1	240	20	1010	121
31 L00E-00N	3	88	<10	<0.1	370	<1	310	12	212	58
31 L00E- 25S	6	10	20	0.4	2090	<1	300	3	90	22
31 L00E- 50S	3	21	<10	0.1	480	<1	480	4	73	13
31 L00E- 75S	4	77	<10	0.1	360	<1	280	18	203	113
31 L00E-100S	5	101	<10	<0.1	260	<1	330	64	44	82
31 L00E-125S	<1	37	<10	<0.1	140	<1	420	<1	<5	45
31 L00E-150S	1	91	<10	<0.1	240	<1	500	27	13	110
31 L1E-150N	6	46	<10	<0.1	210	<1	400	26	186	34
31 L1E-125N	4	46	<10	<0.1	210	<1	430	26	28	98
31 L1E-100N	1	125	10	<0.1	300	2	40	2	48	98
31 L1E-75N	4	18	10	0.2	710	<1	390	5	521	113
31 L1E-50N	9	4	<10	0.5	2460	<1	390	5	26	221
31 L1E-25N	4	100	<10	<0.1	550	<1	250	15	175	98
31 L1E-00N	2	35	<10	0.5	560	<1	190	4	130	84
31 L1E- 25S	<1	60	<10	<0.1	170	<1	250	<1	<5	57
31 L1E- 50S	4	72	<10	0.2	380	<1	290	19	515	60
31 L1E- 75S	<1	29	<10	<0.1	450	<1	360	1	69	41
31 L1E-100S	<1	94	<10	0.1	730	<1	260	11	54	102
31 L1E-125S	3	42	10	0.3	740	1	170	5	186	94
31 L1E-150S	13	8	<10	0.4	850	<1	440	16	208	76
31 L2E-150N	6	14	<10	0.2	680	<1	340	6	183	63
31 L2E-125N	4	87	<10	<0.1	440	<1	230	13	183	150
31 L2E-100N	1	60	<10	<0.1	120	<1	210	2	<5	32

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB
31 L2E-75N	3	68	<10	0.2	430	<1	290	12	383	51
31 L2E-50N	3	78	<10	<0.1	310	<1	260	19	167	86
31 L2E-25N	10	17	<10	0.6	1580	<1	340	4	197	54
31 L2E-00N	6	22	<10	0.1	540	<1	330	8	248	40
31 L2E- 25S	9	37	<10	0.2	540	<1	390	24	186	127
31 L2E- 50S	8	32	<10	0.2	530	<1	360	11	419	72
31 L2E- 75S	3	108	20	0.1	1560	1	170	2	180	109
31 L2E-100S	3	105	<10	<0.1	690	<1	310	10	352	189
31 L2E-125S	3	71	<10	<0.1	430	<1	270	9	145	81
31 L2E-150S	4	54	<10	0.2	460	<1	220	6	439	14
L100W 50N DUP	7	287	10	<0.1	500	<1	10	16	67	161
*Dup 3 L100W-100S	6	137	<10	<0.1	330	<1	270	44	202	114
*Dup 3 L200W-75S	6	275	20	<0.1	320	<1	50	8	75	90
*Dup 3 L00E-50S	7	11	10	0.5	320	<1	280	4	33	107
*Dup 3 L100E-25S	10	25	<10	0.4	420	<1	340	13	50	53
*Dup 31 L1W- 25S	<1	36	10	0.1	550	<1	330	<1	80	55
*Dup 31 L2W-00N	2	65	20	<0.1	450	1	190	6	275	133
*Dup 31 L00E-25N	3	86	<10	0.1	430	1	230	23	900	112
*Dup 31 L1E-50N	8	6	<10	0.2	2200	<1	350	5	54	159
*Dup 31 L2E-75N	4	58	<10	0.4	500	<1	220	8	336	46
*Std MMISRM14	18	33	10	39.0	50	<1	260	7	15	44
*Std MMISRM14	17	32	10	39.1	90	<1	250	7	15	43
*Std MMISRM14	17	30	10	37.9	110	<1	230	7	16	42
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

SGS

Final : 094202 Order: PENH

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
3 L100W-100S	100	230	24	12.6	6.3	57	27	67	<5	37
3 L100W-75S	200	120	13	6.3	4.4	161	16	66	6	14
3 L100W-50S	400	340	21	9.4	8.8	108	32	199	8	4
3 L100W-25S	<100	100	8	3.9	3.3	48	12	54	<5	17
3 L100W-00N	<100	80	9	4.8	2.9	75	11	37	<5	18
3 L100W-25N	<100	880	6	3.1	3.1	10	12	53	<5	15
3 L100W-50N	200	420	7	3.1	2.9	27	11	54	<5	10
3 L100W-75N	<100	590	2	1.1	1.0	6	4	14	<5	11
3 L100W-100N	200	170	12	5.5	5.2	41	17	66	<5	4
3 L100W-125N	300	90	6	3.1	2.0	148	7	21	<5	10
3 L100W-150N	500	150	5	2.6	1.8	211	6	32	12	5
3 L200W-100S	400	250	16	7.2	6.1	209	22	107	9	5
3 L200W-75S	200	150	10	6.1	3.3	189	11	37	6	5
3 L200W-50S	100	2730	36	17.1	14.6	60	57	318	<5	17
3 L200W-25S	200	250	6	3.6	2.3	229	7	30	17	21
3 L200W-00N	400	170	7	3.6	2.4	256	8	33	17	19
3 L200W-25N	800	220	9	4.3	3.2	207	11	51	9	16
3 L200W-50N	400	280	9	4.5	3.4	87	11	49	13	3
3 L200W-75N	400	190	9	4.1	3.2	162	10	41	15	7
3 L200W-100N	200	150	10	5.5	3.3	90	11	44	9	2
3 L200W-125N	400	210	10	4.7	3.9	99	13	67	10	5
3 L200W-150N	300	190	7	3.7	2.3	176	8	28	12	10
3 L00E-100S	200	320	12	6.0	4.1	145	16	66	11	39
3 L00E-75S	<100	1390	12	5.4	5.8	19	23	136	<5	21
3 L00E-50S	<100	1260	5	2.3	2.3	7	9	30	<5	14
3 L00E-25S	100	370	7	3.0	3.0	15	11	62	<5	5
3 L00E-00N	<100	1250	6	2.4	2.5	8	10	38	<5	13
3 L00E-25N	<100	680	4	2.0	1.9	5	8	24	<5	10
3 L00E-50N	<100	520	2	0.8	1.0	5	4	12	<5	10
3 L00E-75N	400	290	8	4.0	2.5	224	9	45	12	9
3 L00E-100N	200	360	5	3.0	1.2	262	4	19	10	7
3 L00E-125N	300	160	10	4.6	3.2	97	11	40	7	5
3 L00E-150N	200	80	8	3.9	2.7	51	8	22	<5	4
3 L100E-100S	<100	110	9	4.8	3.2	54	11	39	<5	3
3 L100E-75S	300	1020	27	11.7	11.7	107	43	279	6	10
3 L100E-50S	200	280	13	5.8	5.0	66	19	84	6	22
3 L100E-25S	<100	2130	7	2.8	3.2	9	13	47	<5	24
3 L100E-00N	<100	1450	5	2.5	2.6	6	11	40	<5	16
3 L100E-25N	200	270	16	7.3	7.3	34	27	126	<5	3
3 L100E-50N	500	240	6	3.3	2.3	243	8	40	8	12
3 L100E-75N	300	280	8	4.3	2.5	196	9	35	8	13
31 L1W-150N	<100	1060	10	5.5	3.8	149	15	62	<5	32
31 L1W-125N	<100	3710	20	9.8	7.8	376	32	207	<5	22
31 L1W-100N	<100	5370	13	7.7	3.3	233	14	51	6	43
31 L1W-75N	<100	3880	11	6.4	3.8	167	16	59	<5	37
31 L1W-50N	<100	2430	<1	3.2	<0.5	189	<1	2	<5	25
31 L1W-25N	<100	2570	3	2.3	1.0	344	4	10	<5	33
31 L1W-00N	<100	4390	44	35.6	4.8	33	23	29	<5	33

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
31 L1W- 25S	<100	320	3	1.9	0.8	250	3	9	<5	43
31 L1W- 50S	<100	770	2	3.1	<0.5	223	1	4	<5	26
31 L1W- 75S	<100	4990	9	4.6	3.1	13	14	12	15	62
31 L1W-100S	200	600	28	11.3	12.5	153	44	289	<5	3
31 L1W-125S	<100	220	2	1.1	0.8	191	2	16	<5	<1
31 L1W-150S	<100	160	4	2.8	1.6	97	4	20	<5	<1
31 L2W-150N	<100	4560	3	3.1	0.5	359	2	6	<5	23
31 L2W-125N	<100	1180	9	6.9	1.7	157	7	13	<5	27
31 L2W-100N	<100	1430	<1	2.0	<0.5	92	<1	1	<5	21
31 L2W-75N	<100	2580	7	4.4	1.8	219	7	23	<5	28
31 L2W-50N	<100	590	19	8.5	7.3	69	28	127	<5	17
31 L2W-25N	<100	350	10	4.4	4.0	42	15	75	<5	28
31 L2W-00N	<100	2700	18	10.4	6.1	381	24	114	<5	19
31 L2W- 25S	<100	460	1	1.1	<0.5	39	<1	2	<5	20
31 L2W- 50S	<100	3330	8	4.5	3.1	36	12	41	<5	48
31 L2W- 75S	200	880	11	5.8	4.2	391	15	65	<5	12
31 L2W-100S	100	480	9	5.3	3.1	217	10	41	<5	2
31 L2W-125S	200	160	9	3.8	3.5	107	10	52	<5	2
31 L2W-150S	<100	70	9	5.7	3.1	57	10	29	<5	<1
31 L00E-150N	100	630	15	7.0	5.7	54	22	94	6	18
31 L00E-125N	<100	190	4	1.7	1.5	164	4	25	<5	<1
31 L00E-100N	<100	360	12	5.4	4.9	45	19	84	<5	25
31 L00E-75N	<100	550	14	6.4	5.5	61	22	95	<5	26
31 L00E-50N	100	700	20	8.2	8.8	80	33	161	6	22
31 L00E-25N	<100	1590	59	30.2	19.1	79	82	285	<5	24
31 L00E-00N	<100	970	22	11.7	7.3	35	30	88	<5	30
31 L00E- 25S	<100	3770	7	4.0	2.8	29	11	40	6	44
31 L00E- 50S	<100	2990	4	2.3	1.9	22	8	32	9	62
31 L00E- 75S	<100	1940	15	8.6	5.0	56	21	83	<5	35
31 L00E-100S	<100	1010	18	14.6	2.3	29	11	24	<5	34
31 L00E-125S	<100	280	<1	<0.5	<0.5	13	<1	2	<5	21
31 L00E-150S	<100	480	2	1.3	<0.5	55	2	6	<5	45
31 L1E-150N	<100	3310	12	6.0	4.6	65	19	72	<5	33
31 L1E-125N	<100	1130	4	3.1	0.9	17	4	10	<5	35
31 L1E-100N	100	630	3	2.3	1.2	493	4	19	<5	7
31 L1E-75N	<100	4010	18	8.6	8.0	102	31	207	<5	46
31 L1E-50N	<100	1310	3	1.7	1.1	6	5	7	14	54
31 L1E-25N	<100	890	14	7.0	5.1	43	19	62	<5	24
31 L1E-00N	<100	320	7	3.3	2.8	35	11	48	<5	20
31 L1E- 25S	<100	810	1	1.5	<0.5	45	<1	2	<5	16
31 L1E- 50S	<100	2340	37	18.4	13.6	59	55	211	<5	28
31 L1E- 75S	<100	310	6	3.8	2.0	234	8	30	<5	37
31 L1E-100S	<100	4100	15	11.1	3.0	152	13	30	<5	34
31 L1E-125S	<100	930	10	5.2	4.4	89	17	92	<5	16
31 L1E-150S	<100	3160	16	7.0	6.7	7	28	64	12	72
31 L2E-150N	<100	910	9	4.1	4.1	19	17	65	<5	44
31 L2E-125N	<100	750	12	6.0	4.1	154	16	70	<5	24
31 L2E-100N	<100	960	<1	0.9	<0.5	59	<1	2	<5	18

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	10	1	0.5	0.5	1	1	1	5	1
Units	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
31 L2E-75N	<100	850	23	10.9	9.0	58	35	147	<5	33
31 L2E-50N	<100	1310	18	9.6	5.2	85	22	67	<5	31
31 L2E-25N	<100	1300	13	6.0	5.4	22	22	89	<5	50
31 L2E-00N	<100	1510	15	7.2	6.5	27	26	109	<5	50
31 L2E- 25S	<100	2780	12	6.5	4.4	20	19	64	<5	56
31 L2E- 50S	<100	3290	21	10.0	8.8	71	36	172	<5	43
31 L2E- 75S	200	260	9	4.3	3.7	105	14	66	9	19
31 L2E-100S	<100	1650	32	16.8	10.4	50	40	159	<5	39
31 L2E-125S	<100	1270	14	7.3	5.0	62	20	75	<5	30
31 L2E-150S	<100	1210	27	12.7	10.8	29	41	167	<5	23
L100W 50N DUP	100	150	10	5.6	2.7	64	9	31	<5	2
*Dup 3 L100W-100S	100	250	26	15.1	6.5	65	27	65	<5	35
*Dup 3 L200W-75S	200	130	10	5.5	3.2	186	10	33	<5	5
*Dup 3 L00E-50S	<100	1400	5	2.4	2.2	6	9	26	<5	15
*Dup 3 L100E-25S	<100	1940	7	3.1	3.2	10	13	50	<5	20
*Dup 31 L1W- 25S	<100	270	6	3.7	2.1	294	8	35	<5	46
*Dup 31 L2W-00N	<100	2560	17	9.4	5.8	349	23	109	<5	19
*Dup 31 L00E-25N	<100	1780	52	26.5	16.8	67	72	253	<5	22
*Dup 31 L1E-50N	<100	1540	4	2.2	1.6	7	7	18	9	46
*Dup 31 L2E-75N	<100	540	17	7.7	7.2	36	27	136	<5	25
*Std MMISRM14	<100	730	2	0.7	0.9	2	3	3	<5	32
*Std MMISRM14	<100	710	2	0.6	0.8	2	3	3	<5	31
*Std MMISRM14	<100	690	2	0.6	0.9	2	3	3	<5	29
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Blk BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	1	<5	<1

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
3 L100W-100S	5	2.3	109	361	120	<1	21	67	<1	19
3 L100W-75S	10	10.5	80	166	190	<1	16	160	<1	17
3 L100W-50S	9	15.6	207	251	180	<1	45	187	<1	36
3 L100W-25S	<5	2.2	60	185	120	<1	12	107	<1	7
3 L100W-00N	<5	4.3	49	230	170	<1	9	72	<1	10
3 L100W-25N	<5	0.5	66	125	20	<1	12	15	<1	8
3 L100W-50N	<5	1.6	60	98	50	<1	12	55	<1	16
3 L100W-75N	<5	<0.5	19	124	50	<1	4	26	<1	<5
3 L100W-100N	<5	2.4	82	98	60	<1	16	118	<1	23
3 L100W-125N	<5	5.4	28	317	460	<1	5	255	<1	21
3 L100W-150N	7	14.6	29	135	400	<1	7	148	1	30
3 L200W-100S	6	11.8	117	200	180	<1	25	142	1	30
3 L200W-75S	<5	6.7	45	423	220	<1	9	62	<1	27
3 L200W-50S	7	2.4	369	458	60	<1	79	113	<1	32
3 L200W-25S	9	20.0	35	187	220	<1	7	129	<1	36
3 L200W-00N	5	19.7	38	325	250	<1	8	53	<1	35
3 L200W-25N	7	6.2	55	245	180	<1	12	192	<1	34
3 L200W-50N	<5	4.4	52	277	120	<1	11	135	<1	31
3 L200W-75N	5	6.3	45	257	240	<1	9	145	<1	31
3 L200W-100N	<5	5.1	51	287	180	<1	10	106	<1	31
3 L200W-125N	5	5.9	67	243	120	<1	14	147	<1	32
3 L200W-150N	5	5.1	35	394	400	<1	7	179	<1	24
3 L00E-100S	6	7.4	85	222	290	<1	17	91	<1	22
3 L00E-75S	<5	1.0	146	166	40	<1	29	65	<1	15
3 L00E-50S	<5	<0.5	45	100	20	<1	8	12	<1	6
3 L00E-25S	<5	2.4	65	41	30	<1	13	83	<1	11
3 L00E-00N	<5	<0.5	53	137	10	<1	9	24	<1	8
3 L00E-25N	<5	<0.5	40	83	220	<1	7	36	<1	6
3 L00E-50N	<5	<0.5	18	52	10	<1	3	22	<1	<5
3 L00E-75N	6	10.0	46	337	210	<1	10	162	<1	30
3 L00E-100N	<5	7.7	19	220	600	<1	4	79	<1	25
3 L00E-125N	5	7.6	52	298	890	<1	10	166	1	27
3 L00E-150N	<5	2.7	30	137	320	<1	6	55	<1	20
3 L100E-100S	6	1.7	48	142	140	<1	10	61	<1	13
3 L100E-75S	10	4.2	286	358	100	<1	63	102	<1	33
3 L100E-50S	5	3.8	104	260	110	<1	21	123	<1	17
3 L100E-25S	<5	<0.5	68	171	40	<1	12	33	<1	7
3 L100E-00N	<5	<0.5	56	135	10	<1	10	20	<1	6
3 L100E-25N	<5	1.5	157	66	60	<1	32	105	<1	28
3 L100E-50N	<5	7.6	42	214	670	<1	9	130	<1	23
3 L100E-75N	<5	6.9	43	273	750	<1	9	75	<1	28
31 L1W-150N	10	2.3	87	250	180	<1	18	58	<1	20
31 L1W-125N	8	2.0	247	286	50	<1	54	38	<1	33
31 L1W-100N	7	1.8	72	687	120	<1	15	23	<1	38
31 L1W-75N	22	2.6	90	559	80	<1	18	31	<1	36
31 L1W-50N	<5	<0.5	2	187	<10	<1	<1	18	<1	7
31 L1W-25N	10	1.9	17	802	30	<1	3	41	<1	23
31 L1W-00N	<5	<0.5	59	1240	470	<1	10	6	<1	22

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
31 L1W- 25S	24	1.0	14	513	<10	<1	3	30	<1	14
31 L1W- 50S	<5	<0.5	5	129	60	<1	<1	35	<1	9
31 L1W- 75S	8	<0.5	43	250	120	<1	6	23	<1	<5
31 L1W-100S	<5	9.6	269	117	90	<1	60	85	<1	34
31 L1W-125S	<5	5.9	13	78	10	<1	3	33	<1	8
31 L1W-150S	<5	1.3	20	120	90	<1	4	54	<1	20
31 L2W-150N	13	0.7	7	1030	40	<1	2	37	<1	28
31 L2W-125N	5	0.5	23	216	70	<1	4	13	<1	17
31 L2W-100N	<5	<0.5	1	189	10	<1	<1	12	<1	<5
31 L2W-75N	13	1.9	34	499	90	<1	7	27	<1	25
31 L2W-50N	<5	4.8	153	124	80	<1	32	121	<1	18
31 L2W-25N	<5	1.6	93	99	70	<1	19	65	<1	6
31 L2W-00N	7	4.5	149	309	130	<1	31	48	<1	44
31 L2W- 25S	7	<0.5	3	334	10	<1	<1	18	<1	<5
31 L2W- 50S	<5	<0.5	67	326	30	<1	13	58	<1	7
31 L2W- 75S	11	8.0	80	183	50	<1	16	61	<1	31
31 L2W-100S	<5	9.1	50	191	70	<1	10	44	<1	26
31 L2W-125S	5	16.0	49	78	130	<1	11	63	<1	26
31 L2W-150S	<5	1.5	39	80	270	<1	7	82	<1	25
31 L00E-150N	<5	3.3	121	240	100	<1	25	67	<1	20
31 L00E-125N	<5	5.1	22	64	30	<1	5	71	<1	13
31 L00E-100N	<5	1.6	109	150	160	<1	23	47	<1	7
31 L00E-75N	<5	2.4	127	229	160	<1	26	72	<1	12
31 L00E-50N	<5	3.9	199	139	90	<1	41	117	<1	19
31 L00E-25N	<5	3.5	422	275	270	<1	86	84	<1	39
31 L00E-00N	<5	1.4	140	437	100	<1	26	55	<1	12
31 L00E- 25S	7	<0.5	58	167	170	<1	11	34	<1	<5
31 L00E- 50S	13	0.7	44	233	70	<1	9	13	<1	<5
31 L00E- 75S	<5	1.5	106	271	150	<1	22	64	<1	19
31 L00E-100S	<5	<0.5	35	413	190	<1	6	33	<1	11
31 L00E-125S	9	<0.5	2	262	<10	<1	<1	14	<1	<5
31 L00E-150S	16	<0.5	7	494	40	<1	2	88	<1	<5
31 L1E-150N	6	0.9	103	407	50	<1	20	19	<1	10
31 L1E-125N	<5	<0.5	14	489	80	<1	3	36	<1	<5
31 L1E-100N	7	8.8	21	245	20	<1	4	84	<1	22
31 L1E-75N	<5	2.1	224	218	100	<1	48	70	<1	18
31 L1E-50N	<5	<0.5	15	138	20	<1	2	30	<1	<5
31 L1E-25N	<5	1.8	97	329	150	<1	19	94	<1	13
31 L1E-00N	<5	2.5	63	124	40	<1	13	49	<1	6
31 L1E- 25S	<5	<0.5	3	296	<10	<1	<1	9	<1	<5
31 L1E- 50S	<5	1.3	296	588	110	<1	60	49	<1	29
31 L1E- 75S	13	1.4	47	375	40	<1	9	47	<1	24
31 L1E-100S	7	1.1	45	902	150	<1	9	76	<1	42
31 L1E-125S	<5	3.3	108	183	80	<1	23	47	<1	13
31 L1E-150S	<5	0.8	122	446	50	<1	20	9	<1	6
31 L2E-150N	<5	0.8	92	134	30	<1	17	66	<1	7
31 L2E-125N	<5	2.3	88	205	110	<1	19	76	<1	19
31 L2E-100N	<5	<0.5	2	262	<10	<1	<1	16	<1	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	5	0.5	1	5	10	1	1	5	1	5
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
31 L2E-75N	<5	1.6	197	326	100	<1	40	62	<1	18
31 L2E-50N	<5	1.9	99	397	130	<1	20	55	<1	24
31 L2E-25N	<5	0.9	114	171	30	<1	21	74	<1	9
31 L2E-00N	<5	1.1	146	218	50	<1	28	35	<1	8
31 L2E- 25S	<5	<0.5	93	402	140	<1	18	78	<1	7
31 L2E- 50S	<5	1.3	226	262	150	<1	46	82	<1	17
31 L2E- 75S	<5	9.0	80	156	80	<1	17	120	<1	22
31 L2E-100S	<5	0.7	198	336	60	<1	41	68	<1	26
31 L2E-125S	<5	1.7	105	338	80	<1	21	55	<1	13
31 L2E-150S	<5	2.3	236	342	50	<1	47	55	<1	17
L100W 50N DUP	<5	2.4	37	270	250	<1	7	99	<1	26
*Dup 3 L100W-100S	5	2.4	106	379	150	<1	20	74	<1	22
*Dup 3 L200W-75S	<5	6.2	42	411	210	<1	8	51	<1	24
*Dup 3 L00E-50S	<5	<0.5	42	105	10	<1	7	13	<1	6
*Dup 3 L100E-25S	<5	<0.5	70	159	30	<1	12	30	<1	7
*Dup 31 L1W- 25S	19	1.4	49	431	20	<1	10	30	<1	19
*Dup 31 L2W-00N	6	4.0	143	298	120	<1	30	44	<1	42
*Dup 31 L00E-25N	<5	2.7	378	277	250	<1	77	74	<1	34
*Dup 31 L1E-50N	<5	<0.5	31	132	30	<1	5	23	<1	<5
*Dup 31 L2E-75N	<5	1.7	166	254	80	<1	35	64	<1	13
*Std MMISRM14	30	<0.5	12	255	100	39	2	291	<1	6
*Std MMISRM14	30	<0.5	12	252	100	39	2	292	<1	5
*Std MMISRM14	28	<0.5	12	243	100	37	2	278	<1	<5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
3 L100W-100S	25	<1	280	<1	4	<10	12.6	269	<0.5	34
3 L100W-75S	17	1	180	1	2	<10	21.4	3490	<0.5	12
3 L100W-50S	37	2	110	1	4	<10	38.2	5500	0.8	13
3 L100W-25S	13	<1	190	<1	2	<10	6.2	757	<0.5	5
3 L100W-00N	11	<1	180	<1	1	<10	7.4	1580	<0.5	7
3 L100W-25N	12	<1	270	<1	1	<10	8.2	118	<0.5	2
3 L100W-50N	11	<1	130	<1	1	<10	15.8	552	<0.5	3
3 L100W-75N	4	<1	180	<1	<1	<10	4.8	46	<0.5	<1
3 L100W-100N	18	<1	60	<1	2	<10	31.0	796	<0.5	5
3 L100W-125N	7	<1	220	<1	<1	<10	16.9	2240	0.6	5
3 L100W-150N	6	3	150	<1	<1	<10	25.0	5290	0.7	5
3 L200W-100S	24	1	220	<1	3	<10	42.8	3540	0.5	11
3 L200W-75S	11	<1	200	<1	2	<10	15.4	1810	<0.5	6
3 L200W-50S	66	<1	150	<1	7	<10	25.3	686	1.3	34
3 L200W-25S	8	4	290	1	1	<10	10.8	8540	0.7	3
3 L200W-00N	8	3	390	1	1	<10	19.0	6760	<0.5	5
3 L200W-25N	12	<1	260	<1	2	<10	45.4	2090	0.5	7
3 L200W-50N	11	<1	70	<1	2	<10	18.3	1650	<0.5	5
3 L200W-75N	10	1	110	<1	2	<10	16.6	2850	<0.5	4
3 L200W-100N	11	<1	50	<1	2	<10	17.8	1700	<0.5	4
3 L200W-125N	14	<1	70	<1	2	<10	39.7	2060	<0.5	5
3 L200W-150N	8	<1	200	<1	1	<10	13.5	2110	<0.5	4
3 L00E-100S	17	<1	400	<1	2	<10	14.5	1920	<0.5	10
3 L00E-75S	26	<1	240	<1	3	<10	20.7	276	<0.5	4
3 L00E-50S	9	<1	200	<1	1	<10	4.4	59	<0.5	2
3 L00E-25S	13	<1	110	<1	1	<10	16.0	456	<0.5	5
3 L00E-00N	11	<1	180	<1	1	<10	6.2	50	<0.5	4
3 L00E-25N	8	<1	180	<1	<1	<10	4.3	31	0.5	1
3 L00E-50N	4	<1	160	<1	<1	<10	2.8	66	<0.5	2
3 L00E-75N	9	2	230	<1	1	<10	22.9	5820	<0.5	4
3 L00E-100N	4	2	120	<1	<1	<10	16.6	3310	<0.5	3
3 L00E-125N	12	2	130	<1	2	<10	27.0	2390	0.5	7
3 L00E-150N	8	<1	140	<1	1	<10	10.3	1190	<0.5	4
3 L100E-100S	11	<1	90	<1	2	<10	9.2	441	<0.5	5
3 L100E-75S	51	<1	110	<1	6	<10	52.6	1220	1.3	11
3 L100E-50S	21	<1	190	<1	2	<10	21.5	1350	0.5	10
3 L100E-25S	13	<1	320	<1	1	<10	7.8	61	<0.5	3
3 L100E-00N	11	<1	280	<1	1	<10	4.8	39	<0.5	3
3 L100E-25N	31	<1	60	<1	3	<10	29.5	618	<0.5	6
3 L100E-50N	9	1	210	<1	1	<10	24.4	3280	0.5	4
3 L100E-75N	9	2	260	<1	1	<10	19.6	2980	<0.5	4
31 L1W-150N	16	<1	310	<1	2	<10	13.9	288	0.5	18
31 L1W-125N	39	<1	270	<1	4	<10	17.6	464	<0.5	69
31 L1W-100N	15	<1	410	<1	2	<10	10.6	222	<0.5	61
31 L1W-75N	17	<1	400	<1	2	<10	8.5	203	<0.5	82
31 L1W-50N	<1	<1	360	<1	<1	<10	1.6	43	0.5	10
31 L1W-25N	3	<1	340	<1	<1	<10	4.6	195	<0.5	30
31 L1W-00N	16	<1	770	<1	5	<10	13.9	20	<0.5	18

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
31 L1W- 25S	3	<1	390	<1	<1	<10	3.0	119	<0.5	61
31 L1W- 50S	1	<1	350	<1	<1	<10	3.7	58	<0.5	11
31 L1W- 75S	12	<1	550	<1	2	<10	11.7	7	<0.5	5
31 L1W-100S	51	<1	100	<1	6	<10	42.0	3300	0.9	6
31 L1W-125S	2	<1	10	<1	<1	<10	7.6	2280	<0.5	2
31 L1W-150S	5	<1	20	<1	<1	<10	10.3	368	<0.5	3
31 L2W-150N	2	<1	270	<1	<1	<10	6.3	232	0.5	27
31 L2W-125N	6	<1	320	<1	1	<10	3.1	72	<0.5	19
31 L2W-100N	<1	<1	300	<1	<1	<10	0.6	18	<0.5	6
31 L2W-75N	7	<1	290	<1	1	<10	8.1	271	<0.5	24
31 L2W-50N	30	<1	260	<1	4	<10	21.5	1560	<0.5	6
31 L2W-25N	18	<1	290	<1	2	<10	14.7	460	<0.5	6
31 L2W-00N	27	<1	220	<1	3	<10	28.2	725	0.5	42
31 L2W- 25S	<1	<1	350	<1	<1	<10	<0.5	8	<0.5	11
31 L2W- 50S	13	<1	370	<1	1	<10	4.8	12	<0.5	23
31 L2W- 75S	16	<1	240	<1	2	<10	22.1	2460	<0.5	7
31 L2W-100S	11	<1	90	<1	2	<10	18.4	1830	<0.5	6
31 L2W-125S	11	3	120	1	2	<10	22.1	5960	<0.5	6
31 L2W-150S	9	<1	<10	<1	1	<10	10.1	518	<0.5	3
31 L00E-150N	24	<1	160	<1	3	<10	22.1	710	<0.5	10
31 L00E-125N	5	<1	10	<1	<1	<10	8.1	2030	<0.5	3
31 L00E-100N	21	<1	210	<1	2	<10	15.4	315	<0.5	10
31 L00E-75N	24	<1	260	<1	3	<10	16.2	559	0.6	16
31 L00E-50N	38	<1	280	<1	4	<10	30.4	1210	<0.5	7
31 L00E-25N	87	<1	310	<1	11	<10	30.1	896	0.6	14
31 L00E-00N	30	<1	350	<1	4	<10	12.0	295	<0.5	10
31 L00E- 25S	11	<1	550	<1	1	<10	9.4	24	<0.5	7
31 L00E- 50S	8	<1	410	<1	<1	<10	7.1	8	<0.5	30
31 L00E- 75S	22	<1	330	<1	3	<10	11.4	253	<0.5	26
31 L00E-100S	9	<1	400	<1	2	<10	3.3	51	<0.5	56
31 L00E-125S	<1	<1	380	<1	<1	<10	<0.5	<3	<0.5	15
31 L00E-150S	1	<1	500	<1	<1	<10	<0.5	33	1.1	13
31 L1E-150N	21	<1	310	<1	2	<10	8.0	79	<0.5	69
31 L1E-125N	3	<1	430	<1	<1	<10	0.6	11	<0.5	14
31 L1E-100N	4	<1	150	<1	<1	<10	9.3	3260	<0.5	4
31 L1E-75N	37	<1	420	<1	4	<10	30.0	344	<0.5	6
31 L1E-50N	4	<1	580	<1	<1	<10	3.2	<3	<0.5	2
31 L1E-25N	20	<1	260	<1	3	<10	13.4	560	<0.5	6
31 L1E-00N	12	<1	290	<1	1	<10	19.3	599	<0.5	3
31 L1E- 25S	<1	<1	360	<1	<1	<10	<0.5	8	<0.5	5
31 L1E- 50S	60	<1	320	<1	7	<10	23.6	260	<0.5	24
31 L1E- 75S	9	<1	410	<1	1	<10	4.8	158	<0.5	23
31 L1E-100S	11	<1	470	<1	2	<10	10.6	121	<0.5	43
31 L1E-125S	19	<1	220	<1	2	<10	27.2	659	<0.5	6
31 L1E-150S	29	<1	520	<1	3	<10	11.9	<3	<0.5	7
31 L2E-150N	18	<1	350	<1	2	<10	12.8	108	<0.5	3
31 L2E-125N	17	<1	230	<1	2	<10	15.9	445	0.5	22
31 L2E-100N	<1	<1	290	<1	<1	<10	0.9	26	<0.5	18

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	1	1	10	0.5	3	0.5	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
31 L2E-75N	39	<1	290	<1	5	<10	26.3	352	<0.5	12
31 L2E-50N	22	<1	280	<1	3	<10	15.3	411	<0.5	28
31 L2E-25N	22	<1	510	<1	3	<10	20.2	177	0.6	5
31 L2E-00N	29	<1	340	<1	3	<10	16.6	202	<0.5	9
31 L2E- 25S	19	<1	410	<1	2	<10	7.0	27	<0.5	16
31 L2E- 50S	41	<1	300	<1	4	<10	18.6	116	0.6	32
31 L2E- 75S	16	<1	310	<1	2	<10	29.7	2600	<0.5	5
31 L2E-100S	41	<1	550	<1	6	<10	14.1	150	<0.5	12
31 L2E-125S	21	<1	360	<1	3	<10	14.8	309	<0.5	8
31 L2E-150S	48	<1	310	<1	5	<10	36.9	547	<0.5	15
L100W 50N DUP	9	<1	50	<1	2	<10	11.7	712	0.5	4
*Dup 3 L100W-100S	25	<1	280	<1	4	<10	13.6	500	<0.5	42
*Dup 3 L200W-75S	10	<1	190	<1	2	<10	14.8	1490	<0.5	6
*Dup 3 L00E-50S	9	<1	210	<1	<1	<10	4.5	29	<0.5	2
*Dup 3 L100E-25S	14	<1	280	<1	1	<10	8.6	87	<0.5	3
*Dup 31 L1W- 25S	9	<1	390	<1	1	<10	5.4	155	<0.5	58
*Dup 31 L2W-00N	26	<1	220	<1	3	<10	28.0	694	<0.5	41
*Dup 31 L00E-25N	76	<1	300	<1	10	<10	31.3	607	0.5	14
*Dup 31 L1E-50N	6	<1	520	<1	<1	<10	7.3	9	<0.5	3
*Dup 31 L2E-75N	31	<1	290	<1	3	<10	31.4	405	<0.5	7
*Std MMISRM14	4	<1	500	<1	<1	<10	16.2	<3	<0.5	34
*Std MMISRM14	3	<1	490	<1	<1	<10	16.3	<3	<0.5	34
*Std MMISRM14	3	<1	470	<1	<1	<10	15.8	<3	<0.5	33
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Blk BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
3 L100W-100S	<1	126	9	600	17
3 L100W-75S	1	53	5	350	45
3 L100W-50S	1	91	7	560	67
3 L100W-25S	<1	40	3	220	14
3 L100W-00N	<1	44	4	230	17
3 L100W-25N	<1	30	2	360	13
3 L100W-50N	<1	31	3	130	27
3 L100W-75N	<1	12	<1	290	10
3 L100W-100N	3	49	4	60	43
3 L100W-125N	<1	26	3	5540	34
3 L100W-150N	<1	21	2	550	72
3 L200W-100S	<1	63	5	2070	61
3 L200W-75S	<1	47	5	600	32
3 L200W-50S	<1	160	14	40	34
3 L200W-25S	<1	29	3	1540	52
3 L200W-00N	<1	32	3	1160	57
3 L200W-25N	<1	34	4	1630	61
3 L200W-50N	<1	39	4	840	42
3 L200W-75N	<1	36	3	700	44
3 L200W-100N	<1	46	5	290	43
3 L200W-125N	<1	40	4	370	61
3 L200W-150N	<1	31	3	1740	31
3 L00E-100S	<1	55	5	4300	33
3 L00E-75S	<1	49	4	1070	23
3 L00E-50S	<1	26	2	400	10
3 L00E-25S	<1	29	2	30	29
3 L00E-00N	<1	26	2	60	10
3 L00E-25N	<1	23	2	60	10
3 L00E-50N	<1	10	<1	90	6
3 L00E-75N	<1	33	3	640	44
3 L00E-100N	<1	20	3	1030	27
3 L00E-125N	<1	38	4	550	52
3 L00E-150N	<1	32	3	590	23
3 L100E-100S	<1	46	4	50	19
3 L100E-75S	<1	110	10	80	83
3 L100E-50S	<1	55	5	700	38
3 L100E-25S	<1	33	2	310	9
3 L100E-00N	<1	29	2	500	8
3 L100E-25N	<1	66	6	40	36
3 L100E-50N	<1	28	3	620	39
3 L100E-75N	<1	37	4	750	34
31 L1W-150N	<1	52	5	370	21
31 L1W-125N	<1	99	8	90	28
31 L1W-100N	<1	68	7	210	19
31 L1W-75N	<1	65	6	190	23
31 L1W-50N	<1	7	5	20	6
31 L1W-25N	<1	19	2	80	12
31 L1W-00N	<1	270	30	380	8

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
31 L1W- 25S	<1	16	2	40	11
31 L1W- 50S	<1	16	3	480	6
31 L1W- 75S	2	47	4	40	11
31 L1W-100S	<1	103	9	150	70
31 L1W-125S	<1	9	<1	<20	21
31 L1W-150S	<1	19	3	410	23
31 L2W-150N	<1	17	4	130	18
31 L2W-125N	<1	58	6	570	11
31 L2W-100N	<1	7	3	60	<5
31 L2W-75N	<1	38	4	50	15
31 L2W-50N	<1	79	6	90	39
31 L2W-25N	<1	42	3	190	18
31 L2W-00N	<1	92	9	110	46
31 L2W- 25S	1	8	1	70	<5
31 L2W- 50S	<1	41	4	210	7
31 L2W- 75S	<1	51	5	170	43
31 L2W-100S	<1	39	4	210	30
31 L2W-125S	<1	32	3	190	54
31 L2W-150S	<1	47	5	300	21
31 L00E-150N	<1	68	5	160	40
31 L00E-125N	<1	14	2	100	26
31 L00E-100N	<1	54	4	180	19
31 L00E-75N	<1	65	5	370	30
31 L00E-50N	<1	76	6	130	49
31 L00E-25N	<1	290	23	500	48
31 L00E-00N	<1	115	10	420	23
31 L00E- 25S	<1	42	4	80	19
31 L00E- 50S	<1	26	2	110	5
31 L00E- 75S	<1	79	7	570	22
31 L00E-100S	<1	112	12	910	8
31 L00E-125S	<1	<5	<1	100	<5
31 L00E-150S	<1	11	2	2310	<5
31 L1E-150N	<1	63	5	120	22
31 L1E-125N	<1	22	3	630	<5
31 L1E-100N	<1	15	2	110	31
31 L1E-75N	<1	95	8	110	54
31 L1E-50N	<1	18	1	100	<5
31 L1E-25N	<1	66	6	250	21
31 L1E-00N	<1	33	3	260	28
31 L1E- 25S	<1	8	2	130	<5
31 L1E- 50S	<1	186	15	230	44
31 L1E- 75S	<1	38	4	80	13
31 L1E-100S	<1	100	10	360	24
31 L1E-125S	<1	51	4	280	40
31 L1E-150S	<1	76	5	80	8
31 L2E-150N	<1	45	3	100	14
31 L2E-125N	<1	57	5	340	28
31 L2E-100N	<1	<5	1	230	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.

Final : 094202 Order: PENH

Element	W	Y	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	5	1	20	5
Units	PPB	PPB	PPB	PPB	PPB
31 L2E-75N	<1	107	8	310	32
31 L2E-50N	<1	89	8	570	32
31 L2E-25N	<1	62	5	120	20
31 L2E-00N	<1	79	6	160	23
31 L2E- 25S	<1	60	5	190	11
31 L2E- 50S	<1	108	9	80	25
31 L2E- 75S	<1	38	4	380	66
31 L2E-100S	<1	186	12	130	22
31 L2E-125S	<1	72	6	620	27
31 L2E-150S	<1	121	10	150	55
L100W 50N DUP	<1	42	5	660	25
*Dup 3 L100W-100S	<1	128	12	840	24
*Dup 3 L200W-75S	<1	42	5	410	29
*Dup 3 L00E-50S	<1	27	2	530	10
*Dup 3 L100E-25S	<1	34	2	290	10
*Dup 31 L1W- 25S	<1	38	4	50	18
*Dup 31 L2W-00N	<1	85	9	90	43
*Dup 31 L00E-25N	<1	254	22	420	46
*Dup 31 L1E-50N	<1	24	2	80	7
*Dup 31 L2E-75N	<1	75	6	230	40
*Std MMISRM14	<1	8	<1	310	12
*Std MMISRM14	<1	8	<1	290	12
*Std MMISRM14	<1	7	<1	300	11
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

The data reported on this certificate of analysis represents the sample submitted to SGS Minerals Services. Reproduction of this analytical report, in full or in part, is prohibited without prior written approval.