



Certificate of Analysis

Work Order: 093392

To: **Geotronics Consulting Inc.**

Attn: David G. Mark
6204 - 125th Street
SURREY
BC V3X 2E1

Date: Jun 20, 2007

P.O. No. : COBALT GRID ONE
Project No. : DEFAULT
No. Of Samples 80
Date Submitted May 29, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

80 Soils

Certified By :


Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = 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

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SGS Canada Inc. Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t(416) 445-5755 f(416) 445-4152 www.sgs.ca

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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
L99200E-47387.5N	46	141	20	0.2	490	<1	220	13	437	40
L99200E-47400N	20	>300	140	0.2	570	3	40	10	827	247
L99200E-47412.5N	110	117	<10	0.1	360	<1	310	18	65	44
L99200E-47425N	89	11	10	0.3	340	<1	490	19	22	51
L99200E-47500N	3	116	30	<0.1	50	6	230	107	35	1070
L99200E-47525N	65	232	20	<0.1	400	2	120	19	111	309
L99200E-47537.5N	40	180	10	<0.1	630	1	210	24	149	121
L99200E-47550N	17	273	30	<0.1	370	2	20	14	62	391
L99200E-47587.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47650N	60	98	10	0.1	630	<1	330	21	380	81
L99200E-47662.5N	96	283	110	0.2	560	2	50	8	573	184
L99200E-47675N	76	24	<10	0.5	680	<1	390	11	34	84
L99200E-47687.5N	86	12	20	0.8	540	<1	420	10	37	302
L99100E-46400N	40	273	30	0.2	1310	<1	40	24	1710	137
L99100E-46425N	27	212	60	0.1	620	2	30	29	58	131
L99100E-46437.5N	27	250	20	<0.1	440	1	60	29	45	92
L99100E-46462.5N	34	243	30	<0.1	770	1	60	25	323	100
L99100E-46475N	32	299	30	<0.1	410	1	20	36	112	104
L99100E-46487.5N	23	>300	150	<0.1	570	4	50	66	214	271
L99100E-46500N	43	42	30	0.1	380	<1	120	7	209	185
L99100E-46512.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99100E-46525N	16	108	<10	<0.1	660	<1	300	129	107	113
L99100E-46537.5N	52	238	30	<0.1	470	1	130	38	153	124
L99100E-46550N	40	298	30	<0.1	370	1	30	16	78	91
L99100E-46562.5N	23	250	30	<0.1	870	2	100	15	88	110
L99100E-46575N	30	221	50	0.2	1200	1	10	5	762	81
L99100E-46587.5N	27	272	30	0.1	560	1	<10	11	1010	146
L99100E-46600N	25	>300	50	<0.1	740	2	20	14	160	110
L99100E-46612.5N	46	35	10	0.2	760	<1	380	11	275	323
L99100E-46625N	12	231	90	<0.1	420	4	120	32	88	294
L99100E-46637.5N	26	>300	100	0.1	1010	2	30	22	1020	282
L99100E-46662.5N	44	216	50	<0.1	1150	2	150	27	378	110
L99100E-46675N	27	283	110	<0.1	390	3	40	42	51	639
L99100E-46687.5N	56	112	<10	0.2	1000	<1	320	53	424	35
L99100E-46737.5N	19	295	90	<0.1	730	3	80	44	127	225
L99100E-46750N	27	210	20	<0.1	450	1	80	24	99	70
L99100E-46762.5N	30	285	50	<0.1	830	2	50	16	408	137
L99100E-46775N	15	259	20	<0.1	980	1	70	28	80	65
L99100E-46787.5N	18	237	40	<0.1	860	2	120	27	106	150
L99100E-46825N	25	123	20	<0.1	780	<1	270	16	294	44
L99100E-46837.5N	18	26	<10	0.2	930	<1	390	9	10	6
L99100E-46850N	27	223	20	<0.1	540	<1	150	19	115	63
L99100E-46867.5N	39	278	30	<0.1	700	<1	20	22	82	153
L99100E-46875N	57	211	30	<0.1	640	<1	100	16	93	88
L99100E-46887.5N	24	47	<10	<0.1	350	<1	430	37	43	53
L99100E-46900N	22	282	70	0.1	670	3	80	33	359	107
L99100E-46912.5N	5	116	100	0.2	600	2	220	40	47	472
L99100E-46925N	7	38	<10	0.3	120	<1	410	66	15	356

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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
L99100E-46937.5N	6	29	20	0.1	270	<1	400	6	38	442
L99100E-46950N	42	177	20	<0.1	460	1	200	51	140	264
L99100E-46800N	26	>300	60	<0.1	880	2	60	20	73	173
L99100E-468125N	43	>300	30	<0.1	400	1	20	15	61	129
L99100E-46962.5N	22	233	40	<0.1	310	5	110	49	40	333
L99100E-46975N	19	>300	90	<0.1	850	3	40	12	102	192
L99100E-46987.5N	14	287	60	<0.1	960	2	30	19	106	243
L99100E-47000N	1350	300	50	0.1	340	1	20	14	89	116
L99100E-47012.5N	24	288	50	<0.1	690	2	40	12	30	162
L99100E-47025N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47037.5N	56	263	80	0.1	1240	2	70	18	230	137
L99100E-47050N	143	236	120	<0.1	780	3	140	19	92	213
L99100E-47062.5N	869	117	20	0.8	2080	<1	430	11	2050	155
L99100E-47075N	395	168	50	0.4	1920	2	280	20	1480	161
L99100E-47087.5N	12	296	40	<0.1	350	1	<10	15	26	248
L99100E-47100N	11	293	30	<0.1	270	<1	<10	11	19	312
L99100E-47112.5N	17	>300	60	<0.1	260	<1	<10	15	19	174
L99100E-47125N	6	280	<10	<0.1	210	1	<10	23	14	371
L99100E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47150N	3	144	<10	0.2	180	<1	<10	7	931	82
L99100E-47162.5N	1	219	120	<0.1	310	18	20	57	6	409
L99100E-47175N	5	>300	50	<0.1	160	1	<10	10	15	201
L99100E-47187.5N	10	236	30	0.2	110	2	<10	13	68	53
L99100E-47200N	2	214	70	<0.1	190	2	<10	1	32	67
L99100E-47212.5N	7	234	<10	<0.1	90	<1	<10	10	66	119
L99100E-47225N	7	286	190	<0.1	410	30	50	21	20	356
L99100E-47237.5N	15	286	100	<0.1	540	5	<10	25	231	280
L99100E-47250N	15	225	100	0.4	790	2	70	8	1120	146
L99100E-47262.5N	22	258	50	0.2	510	1	20	4	302	108
L99100E-47275N	20	155	10	0.1	1130	<1	190	39	923	34
L99100E-46650N	22	256	30	<0.1	650	1	50	20	45	201
L99200E-47687.5N-A	34	243	70	0.3	530	2	110	14	614	136
Dup L99200E-47387.5N	41	151	20	0.2	480	<1	220	15	420	29
Dup L99200E-47687.5N	93	16	30	1.0	480	<1	410	13	60	293
*Dup L99100E-46562.5N	23	254	40	<0.1	790	2	100	15	79	111
Dup L99100E-46762.5N	27	288	70	0.1	790	2	50	17	380	149
Dup L99100E-46937.5N	6	28	20	<0.1	240	<1	370	6	27	456
Dup L99100E-47062.5N	779	104	20	0.7	2020	<1	420	8	2210	159
*Dup L99100E-47212.5N	8	240	<10	<0.1	110	<1	<10	10	70	104

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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
L99200E-47387.5N	<100	500	45	21.8	15.7	24	67	182	<5	35
L99200E-47400N	200	1230	100	45.1	41.8	94	170	493	12	5
L99200E-47412.5N	<100	850	15	6.2	6.9	12	28	84	<5	55
L99200E-47425N	<100	1380	9	4.4	3.7	9	17	32	6	197
L99200E-47500N	<100	430	15	9.4	2.6	57	12	15	6	132
L99200E-47525N	<100	560	15	7.6	3.8	66	15	34	6	10
L99200E-47537.5N	<100	370	12	5.9	3.8	32	15	38	<5	34
L99200E-47550N	<100	360	11	5.7	3.0	47	11	20	6	2
L99200E-47587.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47650N	<100	850	43	22.2	15.5	15	70	185	<5	79
L99200E-47662.5N	200	1170	37	15.8	14.7	114	56	240	9	7
L99200E-47675N	<100	960	5	2.5	2.5	5	11	21	<5	151
L99200E-47687.5N	<100	1700	11	4.5	5.3	5	23	49	<5	161
L99100E-46400N	200	900	69	25.5	21.7	45	81	332	<5	4
L99100E-46425N	100	330	10	5.0	2.5	60	10	25	8	3
L99100E-46437.5N	<100	290	7	3.5	2.4	42	9	29	5	4
L99100E-46462.5N	100	360	18	7.6	5.8	59	22	69	6	5
L99100E-46475N	100	590	11	5.0	2.8	54	10	21	6	2
L99100E-46487.5N	200	850	16	9.5	4.9	181	20	61	29	12
L99100E-46500N	<100	970	14	6.6	6.6	18	26	125	<5	19
L99100E-46512.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99100E-46525N	<100	1060	27	25.5	4.1	18	19	48	<5	73
L99100E-46537.5N	<100	510	13	5.9	3.4	42	13	29	7	12
L99100E-46550N	100	390	12	6.2	3.6	102	13	33	15	5
L99100E-46562.5N	<100	450	8	4.0	2.4	52	10	32	8	13
L99100E-46575N	200	740	38	16.4	13.8	65	52	238	9	3
L99100E-46587.5N	100	830	54	24.8	19.0	47	76	284	7	2
L99100E-46600N	200	330	11	5.0	3.4	91	13	48	15	3
L99100E-46612.5N	<100	2730	12	6.0	6.9	28	28	184	<5	105
L99100E-46625N	200	400	8	3.7	2.4	167	9	27	17	13
L99100E-46637.5N	300	1150	26	10.0	8.9	100	34	160	9	6
L99100E-46662.5N	100	560	15	6.0	4.2	46	17	49	5	11
L99100E-46675N	<100	620	10	5.6	2.2	96	9	14	10	4
L99100E-46687.5N	<100	1210	97	55.0	25.9	15	120	322	<5	78
L99100E-46737.5N	200	620	11	5.4	2.7	91	11	24	11	11
L99100E-46750N	<100	290	13	5.5	4.2	41	16	44	<5	8
L99100E-46762.5N	200	520	31	15.1	9.8	89	40	115	11	9
L99100E-46775N	<100	390	9	4.6	2.3	55	10	25	7	10
L99100E-46787.5N	<100	480	16	7.1	5.3	84	21	58	9	20
L99100E-46825N	<100	440	18	7.1	7.6	24	31	96	<5	60
L99100E-46837.5N	<100	910	1	<0.5	0.6	7	2	5	<5	51
L99100E-46850N	<100	2070	18	8.7	5.4	53	22	51	7	19
L99100E-46867.5N	100	290	10	5.0	2.9	72	10	27	8	3
L99100E-46875N	<100	630	25	13.7	7.2	58	31	95	<5	13
L99100E-46887.5N	<100	360	5	2.0	2.2	27	8	29	<5	51
L99100E-46900N	200	740	37	15.9	11.3	72	45	129	9	10
L99100E-46912.5N	<100	1130	3	1.6	1.0	225	3	13	8	26
L99100E-46925N	<100	7430	2	1.6	0.8	23	3	14	<5	63

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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
L99100E-46937.5N	<100	4560	2	1.2	1.0	22	4	17	<5	84
L99100E-46950N	<100	1010	39	19.5	12.9	63	57	159	6	32
L99100E-46800N	200	510	9	5.0	2.7	165	10	29	20	6
L99100E-468125N	100	320	10	5.2	3.1	104	11	25	16	4
L99100E-46962.5N	<100	430	8	4.1	2.1	105	8	16	10	16
L99100E-46975N	200	510	11	5.0	3.2	113	12	33	16	7
L99100E-46987.5N	<100	390	19	9.0	5.3	91	21	38	19	10
L99100E-47000N	100	300	11	5.0	3.3	56	12	44	8	2
L99100E-47012.5N	100	420	7	3.5	1.6	91	6	11	13	9
L99100E-47025N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47037.5N	200	370	14	7.0	4.0	56	16	49	7	8
L99100E-47050N	200	350	9	4.7	3.1	98	11	33	11	26
L99100E-47062.5N	100	1170	305	175	89.7	15	430	1310	<5	72
L99100E-47075N	200	780	178	94.4	52.4	42	241	757	<5	44
L99100E-47087.5N	<100	390	5	3.3	0.9	64	3	10	5	2
L99100E-47100N	<100	460	3	2.3	0.7	88	2	10	<5	3
L99100E-47112.5N	<100	390	4	2.4	0.8	69	3	10	<5	2
L99100E-47125N	<100	930	8	7.3	0.9	49	3	5	<5	2
L99100E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47150N	<100	860	70	30.9	29.5	12	115	322	<5	<1
L99100E-47162.5N	<100	290	<1	1.1	<0.5	136	<1	3	<5	8
L99100E-47175N	<100	300	2	1.8	0.5	103	1	7	<5	2
L99100E-47187.5N	<100	770	16	7.6	3.4	60	13	25	<5	2
L99100E-47200N	<100	820	3	1.8	0.8	181	3	19	<5	3
L99100E-47212.5N	<100	220	10	5.6	2.6	29	10	29	<5	<1
L99100E-47225N	100	540	2	1.7	0.5	148	2	10	8	11
L99100E-47237.5N	100	810	19	8.7	4.0	103	16	40	5	3
L99100E-47250N	200	1270	62	24.3	26.1	47	100	434	<5	5
L99100E-47262.5N	200	850	20	10.1	7.0	144	28	101	8	3
L99100E-47275N	<100	1270	135	70.0	36.1	21	161	349	<5	50
L99100E-46650N	<100	250	8	4.1	2.1	70	8	20	6	7
L99200E-47687.5N-A	100	430	29	12.6	10.6	61	41	145	7	15
*Dup L99200E-47387.5N	<100	530	53	27.6	15.8	22	69	168	<5	38
*Dup L99200E-47687.5N	<100	1990	14	6.3	5.6	4	26	47	<5	162
*Dup L99100E-46562.5N	100	480	8	3.9	2.4	52	9	30	7	12
*Dup L99100E-46762.5N	200	540	29	14.0	9.0	103	37	104	17	9
*Dup L99100E-46937.5N	<100	5020	2	1.1	0.7	16	3	12	<5	73
*Dup L99100E-47062.5N	100	1200	316	172	100	13	473	1480	<5	73
*Dup L99100E-47212.5N	<100	230	13	6.4	3.2	33	12	31	<5	<1

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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
L99200E-47387.5N	<5	1.8	271	314	480	<1	63	124	1	47
L99200E-47400N	<5	5.4	849	235	1250	<1	199	118	3	140
L99200E-47412.5N	<5	0.6	120	319	490	<1	28	141	<1	17
L99200E-47425N	<5	<0.5	57	377	50	<1	12	41	<1	9
L99200E-47500N	<5	0.8	29	268	2940	<1	6	7	2	16
L99200E-47525N	7	1.6	54	824	1150	<1	12	118	4	27
L99200E-47537.5N	<5	1.2	53	420	960	<1	12	117	2	23
L99200E-47550N	<5	2.5	39	421	980	<1	9	88	3	31
L99200E-47587.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47650N	<5	<0.5	264	409	370	<1	59	114	1	27
L99200E-47662.5N	5	5.3	272	178	1780	<1	71	160	2	70
L99200E-47675N	<5	<0.5	37	116	50	<1	7	79	<1	8
L99200E-47687.5N	<5	<0.5	89	191	50	<1	18	51	1	11
L99100E-46400N	<5	1.8	375	170	1110	<1	99	107	2	85
L99100E-46425N	<5	3.2	34	320	1580	<1	8	120	2	31
L99100E-46437.5N	<5	2.3	31	361	810	<1	7	176	3	24
L99100E-46462.5N	<5	3.9	89	253	980	<1	22	227	1	42
L99100E-46475N	<5	2.7	34	340	1420	<1	8	111	2	35
L99100E-46487.5N	<5	8.0	85	421	17200	<1	21	198	2	67
L99100E-46500N	<5	0.8	147	149	240	<1	37	71	<1	17
L99100E-46512.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99100E-46525N	<5	<0.5	59	171	940	<1	14	168	<1	43
L99100E-46537.5N	<5	1.9	45	524	1160	<1	10	237	2	27
L99100E-46550N	<5	5.9	49	298	630	<1	11	141	1	39
L99100E-46562.5N	<5	3.0	36	499	1210	<1	9	175	2	27
L99100E-46575N	<5	6.7	264	75	940	<1	71	148	<1	82
L99100E-46587.5N	<5	3.2	386	160	1320	<1	97	174	1	80
L99100E-46600N	<5	5.2	54	279	960	<1	13	109	3	36
L99100E-46612.5N	8	<0.5	202	424	40	<1	53	54	<1	15
L99100E-46625N	<5	6.0	38	346	740	<1	9	78	2	33
L99100E-46637.5N	<5	6.1	160	242	1320	<1	42	135	3	67
L99100E-46662.5N	<5	2.7	65	406	1410	<1	15	196	3	33
L99100E-46675N	<5	3.7	25	729	1440	<1	6	107	4	29
L99100E-46687.5N	<5	<0.5	433	252	880	<1	101	92	<1	72
L99100E-46737.5N	<5	3.6	37	605	1830	<1	8	174	2	35
L99100E-46750N	<5	2.0	64	297	1870	<1	14	120	1	31
L99100E-46762.5N	<5	4.2	177	250	1130	<1	41	86	2	63
L99100E-46775N	<5	2.2	35	384	1420	<1	8	163	2	27
L99100E-46787.5N	<5	3.6	85	444	1270	<1	20	131	2	32
L99100E-46825N	<5	1.2	147	244	340	<1	34	130	<1	17
L99100E-46837.5N	<5	0.7	8	128	20	<1	2	77	<1	<5
L99100E-46850N	<5	2.9	83	526	650	<1	19	111	<1	36
L99100E-46867.5N	<5	2.6	40	215	650	<1	9	225	1	36
L99100E-46875N	<5	2.6	121	300	590	<1	28	144	2	43
L99100E-46887.5N	<5	<0.5	40	345	420	<1	9	39	2	5
L99100E-46900N	<5	5.6	188	450	970	<1	45	176	3	63
L99100E-46912.5N	7	5.0	14	652	280	<1	4	172	4	24
L99100E-46925N	6	<0.5	18	718	900	<1	5	22	1	8

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L99100E-46937.5N	13	<0.5	24	641	<10	<1	6	39	<1	8
L99100E-46950N	<5	2.1	229	548	1350	<1	53	124	6	43
L99100E-46800N	6	9.9	36	404	880	<1	8	115	2	41
L99100E-468125N	<5	8.3	39	226	410	<1	9	185	<1	34
L99100E-46962.5N	<5	4.0	26	314	1800	<1	6	69	2	26
L99100E-46975N	<5	7.0	45	442	1180	<1	10	180	3	42
L99100E-46987.5N	<5	4.9	80	348	1660	<1	17	116	2	38
L99100E-47000N	<5	3.7	51	197	500	<1	13	172	5	35
L99100E-47012.5N	<5	4.0	16	524	1100	<1	4	241	3	32
L99100E-47025N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47037.5N	<5	3.9	61	360	1130	<1	15	283	2	37
L99100E-47050N	<5	6.6	43	477	820	<1	10	175	3	35
L99100E-47062.5N	<5	<0.5	1750	325	940	<1	404	92	<1	194
L99100E-47075N	<5	2.3	998	449	1090	<1	244	133	1	186
L99100E-47087.5N	<5	1.5	11	258	780	<1	3	124	2	22
L99100E-47100N	<5	2.1	9	255	280	<1	2	135	2	21
L99100E-47112.5N	<5	1.8	9	249	400	<1	2	92	3	18
L99100E-47125N	<5	1.9	8	232	380	<1	2	124	<1	36
L99100E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47150N	<5	<0.5	616	91	1120	<1	147	85	2	80
L99100E-47162.5N	<5	2.4	2	507	410	<1	<1	92	3	35
L99100E-47175N	<5	2.6	6	147	240	<1	2	108	2	19
L99100E-47187.5N	<5	2.5	41	140	920	<1	9	258	<1	37
L99100E-47200N	<5	2.7	14	130	60	<1	4	28	2	16
L99100E-47212.5N	<5	1.6	37	129	320	<1	9	68	<1	26
L99100E-47225N	<5	4.8	8	381	910	<1	2	120	5	25
L99100E-47237.5N	<5	3.9	53	295	1350	<1	13	162	3	45
L99100E-47250N	<5	3.7	526	159	860	<1	136	201	2	94
L99100E-47262.5N	5	6.0	126	161	510	<1	32	108	2	49
L99100E-47275N	<5	0.7	575	496	330	<1	131	114	<1	141
L99100E-46650N	<5	3.2	28	449	600	<1	6	149	2	28
L99200E-47687.5N-A	<5	2.9	198	520	880	<1	49	110	3	45
Dup L99200E-47387.5N	<5	0.8	252	301	570	<1	59	122	1	53
Dup L99200E-47687.5N	<5	<0.5	84	250	50	<1	16	51	2	11
*Dup L99100E-46562.5N	<5	2.7	34	496	1260	<1	8	180	2	25
Dup L99100E-46762.5N	<5	5.6	158	267	1140	<1	36	89	2	64
Dup L99100E-46937.5N	12	<0.5	17	630	<10	<1	4	39	<1	5
*Dup L99100E-47062.5N	<5	<0.5	2020	242	800	<1	473	89	<1	167
*Dup L99100E-47212.5N	<5	2.2	46	128	370	<1	11	72	<1	31

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sr MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L99200E-47387.5N	62	<1	150	2	9	<10	24.1	236	<0.5	16
L99200E-47400N	173	2	50	2	23	<10	70.1	2130	<0.5	18
L99200E-47412.5N	27	<1	200	<1	4	<10	5.5	147	<0.5	5
L99200E-47425N	14	<1	280	<1	2	<10	5.5	26	<0.5	3
L99200E-47500N	8	<1	150	<1	2	<10	6.3	217	<0.5	2
L99200E-47525N	13	1	290	<1	3	<10	11.9	675	<0.5	5
L99200E-47537.5N	13	<1	210	<1	2	<10	15.4	430	<0.5	4
L99200E-47550N	10	1	70	<1	2	<10	11.2	1040	<0.5	3
L99200E-47587.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47650N	60	<1	220	<1	9	<10	11.9	90	<0.5	12
L99200E-47662.5N	57	1	60	<1	8	<10	50.7	2590	<0.5	14
L99200E-47675N	9	<1	310	<1	1	<10	3.2	23	<0.5	3
L99200E-47687.5N	20	<1	390	<1	3	<10	3.4	22	<0.5	4
L99100E-46400N	85	<1	80	<1	14	<10	62.3	621	0.6	13
L99100E-46425N	8	1	100	2	2	<10	12.0	1140	<0.5	7
L99100E-46437.5N	7	1	90	<1	1	<10	9.7	1070	<0.5	3
L99100E-46462.5N	22	1	70	<1	4	<10	29.9	1990	<0.5	8
L99100E-46475N	9	1	30	<1	2	<10	22.2	1460	<0.5	7
L99100E-46487.5N	18	2	80	<1	3	<10	51.0	3070	0.6	9
L99100E-46500N	27	<1	150	<1	3	<10	14.3	278	<0.5	7
L99100E-46512.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99100E-46525N	15	<1	470	<1	4	<10	8.6	31	<0.5	23
L99100E-46537.5N	12	1	130	<1	2	<10	17.2	778	<0.5	6
L99100E-46550N	12	2	50	<1	2	<10	12.6	2800	<0.5	4
L99100E-46562.5N	9	2	160	<1	2	<10	20.0	1390	<0.5	4
L99100E-46575N	55	1	60	<1	8	<10	46.7	3760	<0.5	11
L99100E-46587.5N	75	1	20	<1	12	<10	38.5	1540	<0.5	10
L99100E-46600N	12	2	50	<1	2	<10	20.4	2540	<0.5	5
L99100E-46612.5N	32	<1	400	<1	3	<10	9.3	52	<0.5	13
L99100E-46625N	9	2	180	<1	2	<10	16.3	2710	<0.5	4
L99100E-46637.5N	34	1	60	<1	6	<10	89.1	2380	<0.5	12
L99100E-46662.5N	16	1	170	<1	3	<10	40.7	1160	<0.5	8
L99100E-46675N	7	2	90	<1	2	<10	11.4	1800	<0.5	4
L99100E-46687.5N	100	<1	450	<1	18	<10	20.1	37	0.5	18
L99100E-46737.5N	9	2	150	<1	2	<10	25.3	1830	<0.5	6
L99100E-46750N	15	1	120	<1	3	<10	11.0	968	<0.5	5
L99100E-46762.5N	38	1	150	<1	6	<10	43.2	1890	<0.5	9
L99100E-46775N	9	<1	200	<1	2	<10	18.9	1040	<0.5	4
L99100E-46787.5N	20	1	200	<1	3	<10	13.9	1610	<0.5	4
L99100E-46825N	31	<1	250	<1	4	<10	12.0	437	<0.5	5
L99100E-46837.5N	2	<1	740	<1	<1	<10	2.3	347	<0.5	1
L99100E-46850N	19	1	190	<1	3	<10	15.4	1500	<0.5	4
L99100E-46867.5N	9	<1	50	<1	2	<10	14.1	1200	<0.5	5
L99100E-46875N	26	<1	160	<1	5	<10	12.1	1380	<0.5	7
L99100E-46887.5N	8	<1	330	<1	1	<10	2.1	173	<0.5	2
L99100E-46900N	44	2	110	<1	7	<10	43.1	2730	0.5	7
L99100E-46912.5N	3	2	390	3	<1	<10	11.7	1560	<0.5	3
L99100E-46925N	3	<1	310	<1	<1	<10	1.0	8	<0.5	5

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Tl MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L99100E-46937.5N	4	<1	320	<1	<1	<10	1.2	6	<0.5	11
L99100E-46950N	50	<1	220	<1	8	<10	18.5	884	<0.5	13
L99100E-46800N	8	3	80	1	2	<10	14.6	5320	<0.5	5
L99100E-468125N	10	2	40	<1	2	<10	9.8	3810	<0.5	4
L99100E-46962.5N	7	2	150	<1	1	<10	9.2	2030	<0.5	2
L99100E-46975N	11	3	90	<1	2	<10	19.9	3700	<0.5	4
L99100E-46987.5N	19	2	120	<1	4	<10	13.4	1860	0.6	4
L99100E-47000N	11	1	30	<1	2	<10	12.7	1950	<0.5	4
L99100E-47012.5N	4	2	150	<1	1	<10	13.1	1830	<0.5	4
L99100E-47025N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47037.5N	15	1	140	<1	3	<10	27.9	1830	0.5	7
L99100E-47050N	10	2	170	<1	2	<10	14.8	3570	<0.5	4
L99100E-47062.5N	374	<1	1170	<1	61	<10	36.1	43	1.0	24
L99100E-47075N	220	<1	660	<1	36	<10	63.8	729	0.9	16
L99100E-47087.5N	3	<1	30	<1	<1	<10	9.8	486	<0.5	3
L99100E-47100N	2	<1	20	<1	<1	<10	8.6	802	<0.5	2
L99100E-47112.5N	2	<1	20	<1	<1	<10	5.8	570	<0.5	2
L99100E-47125N	2	<1	20	<1	<1	<10	7.6	776	<0.5	4
L99100E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47150N	120	<1	<10	<1	16	<10	17.6	103	<0.5	16
L99100E-47162.5N	<1	2	120	<1	<1	<10	11.7	630	0.6	4
L99100E-47175N	1	1	30	<1	<1	<10	12.4	925	<0.5	5
L99100E-47187.5N	11	<1	10	<1	3	<10	25.5	1170	<0.5	16
L99100E-47200N	3	1	30	<1	<1	<10	9.7	933	<0.5	5
L99100E-47212.5N	8	<1	<10	<1	1	<10	8.4	679	<0.5	5
L99100E-47225N	2	3	180	<1	<1	<10	12.7	1500	<0.5	4
L99100E-47237.5N	13	2	40	<1	3	<10	37.4	1520	<0.5	10
L99100E-47250N	106	1	90	<1	14	<10	60.2	1550	0.6	15
L99100E-47262.5N	27	1	30	<1	4	<10	26.9	3520	0.5	8
L99100E-47275N	137	<1	360	<1	25	<10	46.9	213	<0.5	29
L99100E-46650N	7	1	100	<1	1	<10	8.4	1440	<0.5	3
L99200E-47687.5N-A	42	1	110	<1	6	<10	40.1	1310	<0.5	7
*Dup L99200E-47387.5N	59	<1	160	<1	10	<10	25.4	234	<0.5	18
*Dup L99200E-47687.5N	21	<1	390	<1	3	<10	3.9	13	<0.5	5
*Dup L99100E-46562.5N	8	1	150	<1	2	<10	19.8	1260	<0.5	4
*Dup L99100E-46762.5N	35	2	150	<1	6	<10	41.7	2400	<0.5	9
*Dup L99100E-46937.5N	3	<1	300	<1	<1	<10	0.8	7	<0.5	10
*Dup L99100E-47062.5N	434	<1	1140	<1	66	<10	29.1	39	0.9	23
*Dup L99100E-47212.5N	10	<1	<10	<1	2	<10	10.1	935	<0.5	5

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L99200E-47387.5N	1	287	15	150	25
L99200E-47400N	1	553	35	170	122
L99200E-47412.5N	<1	89	4	370	10
L99200E-47425N	<1	73	3	60	6
L99200E-47500N	<1	94	8	2680	<5
L99200E-47525N	<1	89	6	1170	15
L99200E-47537.5N	<1	67	5	850	18
L99200E-47550N	<1	63	4	340	23
L99200E-47587.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47650N	<1	292	16	220	17
L99200E-47662.5N	<1	187	12	210	81
L99200E-47675N	<1	39	2	50	7
L99200E-47687.5N	<1	77	3	80	8
L99100E-46400N	<1	260	19	1090	77
L99100E-46425N	2	56	4	2250	33
L99100E-46437.5N	<1	41	3	2180	21
L99100E-46462.5N	<1	86	6	2790	49
L99100E-46475N	<1	50	4	2640	39
L99100E-46487.5N	<1	95	8	5140	84
L99100E-46500N	<1	88	6	740	28
L99100E-46512.5N	N.A.	N.A.	N.A.	N.A.	N.A.
L99100E-46525N	<1	215	21	6210	6
L99100E-46537.5N	<1	64	4	1110	27
L99100E-46550N	<1	69	5	460	37
L99100E-46562.5N	<1	43	3	2050	33
L99100E-46575N	<1	178	13	340	96
L99100E-46587.5N	<1	287	19	550	58
L99100E-46600N	<1	54	4	430	44
L99100E-46612.5N	<1	89	5	260	8
L99100E-46625N	<1	42	3	2570	51
L99100E-46637.5N	<1	106	8	820	133
L99100E-46662.5N	<1	60	5	2420	49
L99100E-46675N	<1	55	4	1430	26
L99100E-46687.5N	<1	727	40	800	20
L99100E-46737.5N	<1	56	4	4980	43
L99100E-46750N	<1	68	4	950	25
L99100E-46762.5N	<1	180	12	1080	63
L99100E-46775N	<1	51	3	1880	30
L99100E-46787.5N	<1	85	5	2100	31
L99100E-46825N	<1	95	5	320	19
L99100E-46837.5N	<1	6	<1	1130	6
L99100E-46850N	<1	101	7	1900	26
L99100E-46867.5N	<1	55	4	970	29
L99100E-46875N	<1	178	11	150	24
L99100E-46887.5N	<1	31	2	940	<5
L99100E-46900N	<1	171	11	4830	61
L99100E-46912.5N	6	16	1	2160	27
L99100E-46925N	2	19	2	1350	5

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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
L99100E-46937.5N	<1	17	1	80	<5
L99100E-46950N	<1	284	15	1800	22
L99100E-46800N	1	52	4	1680	44
L99100E-468125N	<1	57	4	580	33
L99100E-46962.5N	<1	46	3	3180	20
L99100E-46975N	<1	55	4	590	47
L99100E-46987.5N	<1	112	7	1180	32
L99100E-47000N	<1	57	4	730	30
L99100E-47012.5N	<1	37	3	2740	29
L99100E-47025N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47037.5N	<1	69	6	280	46
L99100E-47050N	<1	50	4	610	36
L99100E-47062.5N	1	2040	135	280	55
L99100E-47075N	2	1180	74	600	94
L99100E-47087.5N	<1	26	3	740	19
L99100E-47100N	<1	17	3	370	24
L99100E-47112.5N	<1	20	2	300	15
L99100E-47125N	<1	48	7	560	15
L99100E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47150N	<1	359	24	250	19
L99100E-47162.5N	<1	<5	2	980	17
L99100E-47175N	<1	12	2	470	23
L99100E-47187.5N	<1	72	6	460	44
L99100E-47200N	<1	16	2	60	19
L99100E-47212.5N	<1	55	4	300	18
L99100E-47225N	<1	13	2	1140	33
L99100E-47237.5N	<1	80	6	880	62
L99100E-47250N	<1	275	18	260	108
L99100E-47262.5N	<1	113	8	90	51
L99100E-47275N	<1	884	51	790	33
L99100E-46650N	<1	47	3	2180	22
L99200E-47687.5N-A	<1	149	9	130	57
*Dup L99200E-47387.5N	<1	342	20	150	25
*Dup L99200E-47687.5N	<1	98	5	70	6
*Dup L99100E-46562.5N	<1	42	3	2060	30
*Dup L99100E-46762.5N	<1	168	11	1180	70
*Dup L99100E-46937.5N	<1	12	<1	80	<5
*Dup L99100E-47062.5N	1	1990	132	180	51
*Dup L99100E-47212.5N	<1	77	5	330	23

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Certificate of Analysis

Work Order: 093391

To: **Geotronics Consulting Inc.**

Attn: David G. Mark
6204 - 125th Street
SURREY
BC V3X 2E1

Date: Jun 25, 2007

P.O. No. : COBALT GRID ONE
Project No. : DEFAULT
No. Of Samples 89
Date Submitted May 29, 2007
Report Comprises Pages 1 to 16
(Inclusive of Cover Sheet)

Distribution of unused material:

89 Soils

Certified By : 

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = 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

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L99300E-47450N	64	144	90	0.4	930	2	160	12	2000	134
L99300E-47462.5N	69	216	160	0.2	540	3	70	21	1840	159
L99300E-47475N	67	285	210	0.1	880	5	70	35	973	247
L99300E-47487.5N	2850	192	1660	5.7	590	32	80	38	320	497
L99300E-47500N	97	153	40	0.4	1100	2	210	23	957	34
L99300E-47512.5N	91	109	<10	0.1	810	<1	270	21	222	48
L99300E-47525N	57	255	70	0.1	760	2	70	40	1480	45
L99300E-47550N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E-47562.5N	268	84	30	0.3	630	<1	340	15	213	116
L99300E-47575N	94	201	70	0.1	590	3	140	25	373	89
L99300E-47587.5N	139	177	50	0.5	1120	2	170	11	676	75
L99300E-47612.5N	130	166	120	0.2	530	5	220	15	848	313
L99300E-47625N	175	223	120	0.2	400	8	120	74	233	837
L99300E-47637.5N	158	233	120	<0.1	1020	4	90	12	320	520
L99300E-47662.5N	379	204	240	0.2	740	10	160	37	180	1120
L99300E-47675N	143	191	90	<0.1	360	8	90	39	371	628
L99200E-46400N	38	49	50	0.3	810	1	370	13	505	374
L99200E-46412.5N	47	35	20	0.1	310	<1	370	48	144	257
L99200E-46425N	12	53	40	0.2	860	2	200	6	1150	329
L99200E-46437.5N	5	207	<10	<0.1	370	<1	20	27	379	136
L99200E-46450N	39	98	<10	0.3	660	<1	240	16	101	31
L99200E-46462.5N	42	191	20	<0.1	440	<1	30	10	252	78
L99200E-46475N	41	32	10	0.6	930	<1	270	6	105	19
L99200E-46487.5N	34	13	<10	0.8	1500	<1	270	4	237	32
L99200E-46500N	79	10	10	0.5	870	<1	430	67	105	124
L99200E-46512.5N	31	35	30	1.1	1080	<1	350	27	232	239
L99200E-46525N	91	137	40	0.3	680	<1	20	11	836	70
L99200E-46537.5N	72	229	40	<0.1	1020	2	60	20	767	61
L99200E-46550N	30	>300	80	<0.1	1290	3	30	11	177	116
L99200E-46562.5N	26	246	50	<0.1	1050	2	110	20	223	120
L99200E-46575N	40	245	20	<0.1	670	1	50	22	211	61
L99200E-46587.5N	20	253	40	<0.1	610	2	50	23	262	185
L99200E-46600N	14	276	60	<0.1	320	5	30	43	29	280
L99200E-46612.5N	5	120	150	<0.1	460	6	120	45	244	836
L99200E-46637.5N	47	199	20	0.1	990	<1	60	15	1240	55
L99200E-46650N	15	280	30	<0.1	860	1	40	17	1000	60
L99200E-46662.5N	17	206	20	<0.1	400	1	160	67	197	96
L99200E-46675N	92	72	<10	<0.1	1010	<1	300	13	67	21
L99200E-46687.5N	39	211	<10	<0.1	580	<1	110	21	149	54
L99200E-46700N	25	215	<10	<0.1	410	<1	130	15	143	35
L99200E-46712.5N	20	239	40	<0.1	310	2	120	20	68	241
L99200E-46737.5N	18	208	30	<0.1	570	2	180	18	101	187
L99200E-46750N	45	103	30	<0.1	890	<1	260	19	200	52
L99200E-46762.5N	33	>300	40	<0.1	850	1	70	19	58	173
L99200E-46775N	10	224	150	<0.1	320	4	80	10	48	200
L99200E-46787.5N	28	255	90	<0.1	940	3	110	21	71	154
L99200E-46800N	20	>300	80	0.1	500	3	40	22	257	482
L99200E-46812.5N	77	196	10	0.2	720	<1	60	15	360	101

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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
L99200E-46825N	48	86	10	0.1	750	<1	340	26	81	70
L99200E-46837.5N	29	161	30	<0.1	710	<1	180	10	92	140
L99200E-46850N	24	>300	100	<0.1	880	3	80	22	114	194
L99200E-46862.5N	49	231	20	<0.1	990	1	40	8	131	76
L99200E-46875N	25	178	130	0.2	1270	3	40	7	1230	251
L99200E-46887.5N	41	259	40	<0.1	760	1	60	14	417	121
L99200E-46900N	30	56	20	<0.1	810	<1	360	54	394	66
L99200E-46912.5N	61	213	60	0.3	1560	2	30	14	2790	87
L99200E-46925N	77	285	40	<0.1	710	<1	50	22	155	187
L99200E-46937.5N	49	201	10	0.1	1080	<1	50	10	455	37
L99200E-46950N	62	278	50	<0.1	760	1	110	32	141	166
L99200E-46962.5N	28	298	30	<0.1	520	1	50	17	112	146
L99200E-46975N	49	294	130	<0.1	490	1	40	17	358	588
L99200E-47012.5N	1	33	50	<0.1	80	3	330	140	11	946
L99200E-47025N	<1	15	100	<0.1	120	<1	430	9	12	191
L99200E-47037.5N	1	39	60	0.4	1060	<1	330	3	361	616
L99200E-47050N	10	47	40	<0.1	110	10	260	53	98	1240
L99200E-47062.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47075N	198	94	<10	0.3	970	<1	350	21	114	63
L99200E-47087.5N	89	5	50	0.9	880	<1	410	8	12	60
L99200E-47100N	22	237	40	<0.1	800	2	150	19	106	128
L99200E-47125N	30	210	40	<0.1	640	1	230	37	98	114
L99200E-47137.5N	51	11	<10	0.6	860	<1	440	14	13	19
L99200E-47150N	10	>300	30	<0.1	480	2	20	15	26	229
L99200E-47162.5N	16	132	20	<0.1	600	1	320	53	407	78
L99200E-47175N	36	227	20	<0.1	570	<1	60	12	129	47
L99200E-47187.5N	16	237	30	<0.1	430	2	100	26	429	302
L99200E-47200N	17	236	40	<0.1	460	<1	40	6	176	91
L99200E-47225N	34	21	10	0.2	510	<1	350	9	178	119
L99200E-47237.5N	17	262	110	<0.1	1060	1	50	8	143	233
L99200E-47250N	4	193	140	<0.1	1080	2	60	3	500	542
L99200E-47275N	43	229	30	<0.1	550	1	100	10	230	148
L99200E-47287.5N	17	296	40	0.1	920	2	20	14	196	182
L99200E-47300N	31	>300	130	<0.1	880	4	100	32	93	359
L99200E-47312.5N	45	217	60	0.1	1070	2	110	15	395	130
L99200E-47325N	23	188	80	0.2	650	2	70	13	640	99
L99200E-47337.5N	12	213	30	0.2	790	<1	20	7	1640	97
L99200E-47350.5N	17	>300	110	0.1	540	3	30	24	368	334
L99200E-47362.5N	39	118	10	0.1	680	<1	220	8	313	55
L99200E-47375N	45	212	20	0.4	720	1	140	16	268	93
L99200E-46625N	36	244	40	0.2	760	1	110	19	733	118
*Dup L99300E-47450N	57	150	90	0.5	920	2	180	11	2070	92
*Dup L99300E-47625N	153	235	110	0.1	410	8	120	72	206	894
Dup L99200E-46500N	61	9	20	0.4	730	<1	410	50	159	171
Dup L99200E-46662.5N	16	224	20	<0.1	410	1	160	80	157	123
*Dup L99200E	46	81	10	<0.1	740	<1	340	23	82	49
Dup L99200E-46975N	51	287	130	0.1	500	1	40	14	389	531
Dup L99200E-47162.5N	15	142	40	<0.1	560	2	310	55	419	122

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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
Dup L99200E-47337.5N	14	230	50	0.3	750	<1	20	6	1640	116
*Std MMISRM14	18	35	<10	42.9	70	<1	280	7	16	39
*Std MMISRM14	18	32	10	42.9	80	<1	280	7	15	40
*Std MMISRM14	17	35	<10	42.6	80	<1	280	7	15	40
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

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L99300E-47450N	<100	2040	204	97.4	83.8	54	360	1660	6	21
L99300E-47462.5N	<100	700	71	30.2	27.0	59	105	328	10	6
L99300E-47475N	100	1140	40	17.7	13.5	82	53	161	13	4
L99300E-47487.5N	200	15000	34	17.9	10.1	56	44	116	19	13
L99300E-47500N	<100	590	87	40.9	33.0	33	137	509	6	22
L99300E-47512.5N	<100	420	25	11.0	10.1	14	41	145	<5	50
L99300E-47525N	<100	1030	140	65.1	46.3	51	199	506	11	12
L99300E-47550N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E-47562.5N	<100	1400	21	9.2	9.1	16	38	113	<5	36
L99300E-47575N	<100	510	40	17.6	15.0	38	60	192	8	17
L99300E-47587.5N	<100	730	100	46.2	36.9	34	155	495	7	22
L99300E-47612.5N	<100	880	77	38.0	27.1	81	115	437	6	29
L99300E-47625N	<100	1900	38	18.6	10.1	58	43	86	7	20
L99300E-47637.5N	200	620	24	11.1	8.1	134	33	120	15	11
L99300E-47662.5N	<100	2390	16	7.3	5.4	51	23	78	8	20
L99300E-47675N	<100	1820	41	17.4	10.6	18	46	92	6	25
L99200E-46400N	<100	9060	25	13.1	11.5	103	47	279	6	96
L99200E-46412.5N	<100	3160	9	5.5	4.7	42	19	107	6	89
L99200E-46425N	<100	1510	24	11.1	11.0	63	44	316	6	45
L99200E-46437.5N	<100	420	19	7.5	6.4	17	23	97	5	<1
L99200E-46450N	<100	360	10	3.9	4.9	14	17	58	<5	35
L99200E-46462.5N	<100	360	15	6.6	5.6	48	20	72	7	1
L99200E-46475N	<100	1380	27	11.9	13.3	17	55	188	<5	107
L99200E-46487.5N	<100	1040	17	6.4	8.8	7	38	145	<5	64
L99200E-46500N	<100	5460	9	4.0	4.4	10	18	50	7	115
L99200E-46512.5N	<100	10500	85	38.4	41.5	17	178	773	5	99
L99200E-46525N	<100	750	39	16.3	18.1	23	67	317	6	2
L99200E-46537.5N	<100	410	36	16.6	13.4	74	52	157	12	5
L99200E-46550N	200	430	12	5.6	4.0	131	15	54	29	5
L99200E-46562.5N	<100	540	15	6.5	4.9	75	19	66	13	15
L99200E-46575N	<100	420	20	8.9	7.2	52	29	126	10	4
L99200E-46587.5N	<100	610	35	15.9	13.1	63	52	143	17	7
L99200E-46600N	<100	340	7	4.2	1.3	111	5	12	11	4
L99200E-46612.5N	<100	1980	17	8.2	6.4	287	25	95	8	17
L99200E-46637.5N	<100	420	49	19.3	20.6	35	80	404	6	5
L99200E-46650N	<100	930	98	41.7	42.3	47	169	738	9	3
L99200E-46662.5N	<100	520	38	17.8	12.4	56	52	113	10	18
L99200E-46675N	<100	370	17	7.3	8.4	12	34	125	<5	72
L99200E-46687.5N	<100	810	17	8.0	5.3	29	21	55	6	10
L99200E-46700N	<100	270	10	4.0	3.3	21	13	48	6	5
L99200E-46712.5N	<100	300	10	4.6	3.3	66	12	28	8	12
L99200E-46737.5N	<100	440	8	3.6	2.4	56	9	24	10	14
L99200E-46750N	<100	370	12	5.1	5.6	29	22	85	6	42
L99200E-46762.5N	<100	310	9	4.5	2.7	109	10	28	29	12
L99200E-46775N	100	300	5	2.6	1.7	120	6	22	9	25
L99200E-46787.5N	<100	510	8	3.9	2.6	94	10	32	16	12
L99200E-46800N	200	520	24	11.7	8.8	119	34	97	26	8
L99200E-46812.5N	<100	620	20	7.9	6.6	38	24	93	<5	3

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L99200E-46825N	<100	670	9	3.9	3.8	19	15	45	<5	81
L99200E-46837.5N	<100	490	8	3.4	3.0	76	11	42	9	32
L99200E-46850N	200	710	11	5.5	3.5	137	13	45	34	12
L99200E-46862.5N	<100	420	11	4.8	4.2	46	14	57	10	2
L99200E-46875N	200	3010	67	24.5	31.2	126	121	1170	7	8
L99200E-46887.5N	100	1100	18	7.5	6.7	56	25	106	9	4
L99200E-46900N	<100	950	18	8.2	8.3	27	35	149	<5	65
L99200E-46912.5N	100	680	84	33.1	29.6	65	115	465	7	3
L99200E-46925N	100	660	11	4.2	3.3	50	12	45	11	4
L99200E-46937.5N	<100	230	35	14.8	14.3	30	55	236	<5	3
L99200E-46950N	<100	430	27	12.4	9.2	86	39	124	12	26
L99200E-46962.5N	<100	360	12	5.3	4.1	55	15	38	13	6
L99200E-46975N	<100	1130	56	27.2	20.7	53	84	260	9	4
L99200E-47012.5N	<100	350	2	2.0	0.7	11	3	7	<5	86
L99200E-47025N	<100	1740	1	0.7	0.6	35	2	9	<5	82
L99200E-47037.5N	<100	12800	29	15.5	15.0	145	61	284	<5	77
L99200E-47050N	<100	2240	41	23.0	15.9	27	68	167	6	64
L99200E-47062.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47075N	<100	1460	30	13.7	14.5	16	62	219	<5	70
L99200E-47087.5N	<100	2030	4	1.8	1.5	4	6	12	13	40
L99200E-47100N	<100	360	8	3.8	2.8	62	11	41	14	13
L99200E-47125N	<100	520	16	7.3	5.3	50	21	55	12	48
L99200E-47137.5N	<100	1720	7	2.7	3.4	4	14	36	<5	172
L99200E-47150N	<100	290	6	4.2	1.3	88	5	10	12	6
L99200E-47162.5N	<100	1370	78	38.6	29.1	37	124	304	<5	78
L99200E-47175N	<100	140	10	4.3	3.5	21	12	34	<5	3
L99200E-47187.5N	<100	500	29	12.7	9.9	49	41	141	6	13
L99200E-47200N	<100	730	18	9.6	5.9	164	23	85	<5	7
L99200E-47225N	<100	1100	14	6.4	6.8	15	29	98	<5	95
L99200E-47237.5N	<100	1600	13	5.2	4.7	186	18	81	7	8
L99200E-47250N	100	1750	55	26.9	20.3	343	81	299	7	28
L99200E-47275N	<100	390	11	4.8	4.5	56	17	77	6	6
L99200E-47287.5N	<100	520	11	4.9	4.1	65	15	78	8	1
L99200E-47300N	100	870	11	5.4	3.2	129	12	46	20	7
L99200E-47312.5N	<100	660	22	9.2	8.0	47	30	135	7	8
L99200E-47325N	<100	1220	58	23.2	22.0	45	86	295	<5	4
L99200E-47337.5N	<100	870	134	54.2	59.4	36	244	1670	<5	<1
L99200E-47350.5N	<100	850	33	13.6	11.8	53	45	157	6	3
L99200E-47362.5N	<100	240	20	8.2	8.7	28	35	150	<5	39
L99200E-47375N	<100	360	25	10.8	9.2	33	36	133	<5	15
L99200E-46625N	100	1870	36	14.1	15.5	38	62	320	<5	9
*Dup L99300E-47450N	<100	1850	195	89.5	81.8	54	346	1660	<5	24
*Dup L99300E-47625N	<100	1930	38	18.8	9.2	59	40	77	<5	22
*Dup L99200E-46500N	<100	5920	9	4.1	4.2	13	17	73	<5	108
*Dup L99200E-46662.5N	<100	610	39	19.2	11.5	59	49	91	6	20
*Dup L99200E	<100	630	8	3.6	3.7	18	15	45	<5	83
*Dup L99200E-46975N	<100	1110	51	25.1	20.4	54	81	284	6	3
*Dup L99200E-47162.5N	<100	1480	80	39.8	30.0	45	128	314	<5	72

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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
*Dup L99200E-47337.5N	100	980	138	57.3	60.7	45	246	1550	<5	1
*Std MMISRM14	<100	630	2	0.7	1.0	2	3	3	<5	38
*Std MMISRM14	<100	640	2	0.7	0.8	2	3	4	<5	40
*Std MMISRM14	<100	650	2	0.6	0.8	2	3	5	<5	39
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	1	<5	<1

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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
L99300E-47450N	<5	3.7	1880	244	1260	<1	480	108	3	207
L99300E-47462.5N	<5	2.7	500	374	1660	<1	122	90	5	85
L99300E-47475N	<5	3.8	226	684	1830	<1	56	131	6	70
L99300E-47487.5N	94	4.8	177	627	13900	6	41	210	142	70
L99300E-47500N	<5	1.2	673	414	1280	<1	166	123	3	71
L99300E-47512.5N	<5	<0.5	187	319	620	<1	45	144	2	28
L99300E-47525N	<5	2.4	871	611	1360	<1	200	181	3	116
L99300E-47550N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E-47562.5N	5	<0.5	168	311	880	<1	38	123	4	21
L99300E-47575N	<5	1.7	282	586	1640	<1	68	102	4	42
L99300E-47587.5N	<5	1.1	679	394	1290	<1	165	130	3	95
L99300E-47612.5N	<5	1.2	533	821	1490	<1	133	49	6	82
L99300E-47625N	<5	1.1	141	745	4910	<1	32	137	6	43
L99300E-47637.5N	5	6.0	159	520	1170	<1	39	65	4	57
L99300E-47662.5N	<5	2.2	98	1700	2490	<1	23	104	18	32
L99300E-47675N	<5	0.5	166	693	2240	<1	36	86	6	24
L99200E-46400N	13	0.9	331	467	300	<1	85	47	2	59
L99200E-46412.5N	23	0.7	128	679	130	<1	32	36	1	23
L99200E-46425N	<5	1.9	298	115	660	<1	84	94	1	33
L99200E-46437.5N	<5	0.8	115	125	4970	<1	30	144	<1	35
L99200E-46450N	<5	0.7	82	138	1200	<1	19	130	<1	16
L99200E-46462.5N	<5	2.6	92	155	2140	<1	23	104	1	43
L99200E-46475N	<5	0.9	263	87	200	<1	59	73	<1	22
L99200E-46487.5N	<5	<0.5	199	50	50	<1	46	40	<1	14
L99200E-46500N	5	<0.5	80	164	70	<1	18	10	<1	10
L99200E-46512.5N	<5	0.9	989	419	340	<1	232	59	<1	52
L99200E-46525N	<5	1.7	385	78	1360	<1	104	185	<1	61
L99200E-46537.5N	<5	5.1	246	181	6600	<1	59	148	2	61
L99200E-46550N	6	7.7	66	404	1030	<1	16	187	5	53
L99200E-46562.5N	<5	4.1	81	368	1120	<1	20	141	3	42
L99200E-46575N	<5	4.0	150	264	920	<1	38	102	2	39
L99200E-46587.5N	8	3.2	233	308	1130	<1	54	100	2	55
L99200E-46600N	<5	3.6	17	255	1930	<1	4	109	2	29
L99200E-46612.5N	<5	2.1	135	705	1300	<1	34	86	5	35
L99200E-46637.5N	<5	1.9	439	118	1020	<1	118	105	1	69
L99200E-46650N	<5	3.5	979	210	1000	<1	247	169	2	105
L99200E-46662.5N	<5	1.6	210	452	2850	<1	46	125	2	32
L99200E-46675N	<5	<0.5	178	161	250	<1	41	80	<1	14
L99200E-46687.5N	<5	1.0	83	345	2390	<1	19	188	2	33
L99200E-46700N	<5	1.2	52	240	810	<1	14	108	<1	21
L99200E-46712.5N	<5	2.7	46	295	1030	<1	11	30	2	25
L99200E-46737.5N	<5	3.1	34	433	980	<1	8	149	2	26
L99200E-46750N	<5	1.3	118	303	640	<1	28	157	2	19
L99200E-46762.5N	5	8.2	36	352	680	<1	8	117	2	34
L99200E-46775N	<5	5.0	25	281	440	<1	6	33	2	25
L99200E-46787.5N	<5	4.9	40	574	1130	<1	10	170	3	35
L99200E-46800N	<5	7.0	171	380	1540	<1	40	93	3	67
L99200E-46812.5N	<5	2.6	107	189	650	<1	27	133	1	38

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L99200E-46825N	<5	1.2	66	308	1020	<1	15	98	1	14
L99200E-46837.5N	<5	3.0	51	164	450	<1	12	56	2	22
L99200E-46850N	6	7.9	52	533	1010	<1	13	163	3	50
L99200E-46862.5N	<5	3.2	66	166	630	<1	17	153	2	34
L99200E-46875N	<5	13.7	876	327	290	<1	254	73	4	140
L99200E-46887.5N	<5	3.5	116	244	1770	<1	31	157	2	42
L99200E-46900N	8	1.0	196	499	510	<1	47	57	1	19
L99200E-46912.5N	<5	5.3	592	86	2160	<1	154	176	1	105
L99200E-46925N	<5	2.8	52	307	1160	<1	13	129	2	37
L99200E-46937.5N	<5	2.0	286	85	730	<1	74	86	<1	49
L99200E-46950N	<5	3.4	166	272	730	<1	40	89	1	35
L99200E-46962.5N	<5	3.7	63	270	950	<1	14	53	1	24
L99200E-46975N	<5	3.5	409	382	1740	<1	98	120	2	66
L99200E-47012.5N	<5	<0.5	10	116	1900	<1	2	70	1	5
L99200E-47025N	5	<0.5	12	342	90	<1	3	7	<1	<5
L99200E-47037.5N	13	0.8	402	435	20	<1	99	48	<1	43
L99200E-47050N	<5	<0.5	291	306	1500	<1	68	46	<1	34
L99200E-47062.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47075N	<5	<0.5	308	228	550	<1	71	143	<1	26
L99200E-47087.5N	<5	<0.5	22	109	90	<1	4	27	1	7
L99200E-47100N	<5	4.3	45	500	1100	<1	11	226	2	29
L99200E-47125N	<5	2.6	83	553	3910	<1	19	79	2	29
L99200E-47137.5N	<5	<0.5	65	149	50	<1	13	70	<1	8
L99200E-47150N	<5	1.8	16	227	750	<1	4	64	<1	21
L99200E-47162.5N	<5	0.6	506	651	1030	<1	117	62	2	78
L99200E-47175N	<5	0.7	51	175	810	<1	12	53	1	20
L99200E-47187.5N	<5	1.2	187	374	2530	<1	45	57	2	32
L99200E-47200N	<5	1.5	108	209	490	<1	27	36	2	39
L99200E-47225N	<5	<0.5	151	182	80	<1	35	44	<1	15
L99200E-47237.5N	<5	2.4	83	223	530	<1	22	99	3	36
L99200E-47250N	7	4.4	401	301	310	<1	102	50	4	80
L99200E-47275N	<5	2.7	83	232	690	<1	21	96	2	29
L99200E-47287.5N	<5	3.4	85	329	1270	<1	22	144	2	33
L99200E-47300N	5	6.7	48	802	1240	<1	12	170	3	40
L99200E-47312.5N	<5	2.8	144	334	1110	<1	37	183	3	47
L99200E-47325N	<5	2.6	410	269	1310	<1	101	268	3	87
L99200E-47337.5N	<5	3.9	1460	94	760	<1	400	108	<1	169
L99200E-47350.5N	<5	3.4	206	383	1110	<1	50	138	4	50
L99200E-47362.5N	<5	1.0	182	147	410	<1	45	78	2	27
L99200E-47375N	<5	1.3	169	262	1070	<1	42	74	2	37
L99200E-46625N	<5	2.3	341	222	5130	<1	90	156	1	53
*Dup L99300E-47450N	<5	2.9	1850	237	1220	<1	469	113	3	204
*Dup L99300E-47625N	<5	1.0	126	705	5040	<1	29	137	6	42
*Dup L99200E-46500N	6	<0.5	100	213	80	<1	23	12	1	10
*Dup L99200E-46662.5N	<5	1.3	172	479	3130	<1	38	124	1	34
*Dup L99200E	<5	0.8	67	269	1020	<1	15	96	1	14
*Dup L99200E-46975N	<5	2.9	422	367	1620	<1	102	114	2	65
*Dup L99200E-47162.5N	<5	0.8	521	706	1090	<1	119	59	2	83

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
*Dup L99200E-47337.5N	<5	4.6	1420	106	840	<1	392	105	<1	182
*Std MMISRM14	31	<0.5	13	221	100	40	2	278	<1	9
*Std MMISRM14	30	<0.5	12	226	110	39	2	281	<1	9
*Std MMISRM14	31	<0.5	11	232	110	41	2	270	<1	9
*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

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L99300E-47450N	360	1	270	2	47	<10	86.4	1230	0.7	25
L99300E-47462.5N	109	1	60	<1	16	<10	71.7	963	<0.5	13
L99300E-47475N	52	2	110	<1	9	<10	72.5	1430	0.7	14
L99300E-47487.5N	40	48	190	2	6	<10	54.7	1310	2.0	25
L99300E-47500N	136	<1	300	<1	19	<10	40.8	383	<0.5	13
L99300E-47512.5N	40	<1	300	<1	6	<10	11.2	113	<0.5	5
L99300E-47525N	186	2	130	<1	29	<10	62.7	835	0.5	15
L99300E-47550N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E-47562.5N	37	<1	290	<1	5	<10	10.5	101	<0.5	9
L99300E-47575N	59	<1	140	<1	9	<10	25.6	623	<0.5	8
L99300E-47587.5N	145	6	170	<1	21	<10	44.9	376	<0.5	14
L99300E-47612.5N	108	<1	160	<1	16	<10	45.9	292	<0.5	38
L99300E-47625N	37	<1	220	<1	7	<10	30.3	411	<0.5	9
L99300E-47637.5N	33	<1	100	<1	5	<10	36.6	3320	0.6	10
L99300E-47662.5N	21	<1	200	<1	3	<10	24.9	1060	<0.5	5
L99300E-47675N	39	<1	170	<1	8	<10	13.8	146	<0.5	8
L99200E-46400N	53	<1	370	<1	6	<10	17.2	59	<0.5	42
L99200E-46412.5N	21	<1	290	<1	2	<10	5.3	13	0.6	26
L99200E-46425N	50	<1	280	<1	6	<10	32.7	473	<0.5	11
L99200E-46437.5N	25	<1	20	<1	4	<10	23.3	322	<0.5	6
L99200E-46450N	18	<1	250	<1	2	<10	6.9	254	<0.5	5
L99200E-46462.5N	20	<1	40	<1	3	<10	20.4	1330	<0.5	5
L99200E-46475N	54	<1	390	<1	7	<10	13.8	323	<0.5	7
L99200E-46487.5N	39	<1	410	<1	4	<10	11.3	107	<0.5	9
L99200E-46500N	18	<1	460	<1	2	<10	7.1	11	<0.5	5
L99200E-46512.5N	185	<1	690	<1	21	<10	29.8	185	0.6	16
L99200E-46525N	74	<1	40	<1	9	<10	31.1	711	<0.5	11
L99200E-46537.5N	53	<1	60	<1	8	<10	38.4	1980	<0.5	13
L99200E-46550N	14	3	60	<1	2	<10	26.6	3630	<0.5	7
L99200E-46562.5N	19	1	110	<1	3	<10	36.4	1790	<0.5	6
L99200E-46575N	29	1	60	<1	4	<10	21.9	1780	<0.5	4
L99200E-46587.5N	51	1	90	<1	7	<10	20.3	2050	<0.5	4
L99200E-46600N	4	<1	70	<1	<1	<10	10.8	1350	<0.5	3
L99200E-46612.5N	27	1	180	<1	4	<10	18.9	622	<0.5	8
L99200E-46637.5N	85	<1	120	<1	12	<10	35.0	779	<0.5	9
L99200E-46650N	178	<1	50	<1	23	<10	47.0	1570	<0.5	11
L99200E-46662.5N	48	<1	230	<1	8	<10	12.1	705	<0.5	3
L99200E-46675N	36	<1	340	<1	4	<10	6.0	94	<0.5	6
L99200E-46687.5N	19	<1	130	<1	3	<10	12.8	364	<0.5	6
L99200E-46700N	12	<1	130	<1	2	<10	15.0	547	<0.5	3
L99200E-46712.5N	11	<1	130	<1	2	<10	8.1	1080	<0.5	2
L99200E-46737.5N	8	<1	130	<1	2	<10	13.8	1380	<0.5	3
L99200E-46750N	23	<1	310	<1	3	<10	15.7	476	<0.5	4
L99200E-46762.5N	8	2	120	<1	2	<10	10.5	3920	<0.5	3
L99200E-46775N	6	<1	130	<1	<1	<10	7.3	2040	<0.5	2
L99200E-46787.5N	9	1	150	<1	2	<10	15.5	2480	<0.5	3
L99200E-46800N	35	2	70	2	5	<10	35.5	3050	<0.5	5
L99200E-46812.5N	23	<1	70	<1	4	<10	33.2	856	<0.5	7

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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
L99200E-46825N	15	<1	320	<1	2	<10	8.3	418	<0.5	4
L99200E-46837.5N	11	<1	160	<1	2	<10	8.0	1080	<0.5	2
L99200E-46850N	12	2	120	<1	2	<10	21.7	3750	0.5	5
L99200E-46862.5N	15	<1	70	<1	2	<10	15.6	1440	<0.5	6
L99200E-46875N	138	4	100	1	17	<10	101	3810	0.6	21
L99200E-46887.5N	24	1	60	<1	4	<10	28.4	1520	0.6	6
L99200E-46900N	36	<1	330	<1	4	<10	14.1	136	0.8	17
L99200E-46912.5N	124	<1	80	<1	18	<10	71.4	2390	0.5	13
L99200E-46925N	12	<1	70	<1	2	<10	26.6	1180	<0.5	5
L99200E-46937.5N	57	<1	80	<1	8	<10	23.0	746	<0.5	5
L99200E-46950N	36	<1	170	<1	5	<10	12.3	1330	<0.5	4
L99200E-46962.5N	14	<1	60	<1	2	<10	11.5	1360	<0.5	2
L99200E-46975N	84	<1	50	<1	12	<10	28.0	1470	0.5	7
L99200E-47012.5N	2	<1	240	<1	<1	<10	1.7	<3	<0.5	4
L99200E-47025N	2	<1	310	<1	<1	<10	1.2	7	<0.5	2
L99200E-47037.5N	68	<1	470	<1	7	<10	12.9	94	<0.5	22
L99200E-47050N	66	<1	250	<1	9	<10	10.6	52	<0.5	12
L99200E-47062.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47075N	62	<1	550	<1	7	<10	8.9	106	<0.5	9
L99200E-47087.5N	5	<1	630	<1	<1	<10	2.8	20	<0.5	<1
L99200E-47100N	10	<1	170	<1	2	<10	18.2	2070	<0.5	4
L99200E-47125N	19	<1	230	<1	3	<10	12.0	1160	<0.5	3
L99200E-47137.5N	14	<1	480	<1	2	<10	2.7	9	<0.5	2
L99200E-47150N	4	<1	60	<1	<1	<10	6.1	798	<0.5	2
L99200E-47162.5N	115	<1	360	<1	17	<10	31.3	204	<0.5	7
L99200E-47175N	11	<1	90	<1	2	<10	8.0	222	<0.5	2
L99200E-47187.5N	39	<1	140	<1	6	<10	17.3	471	<0.5	8
L99200E-47200N	23	<1	90	<1	4	<10	21.0	597	<0.5	8
L99200E-47225N	30	<1	280	<1	4	<10	11.6	54	<0.5	10
L99200E-47237.5N	18	<1	140	<1	3	<10	27.8	835	<0.5	7
L99200E-47250N	83	<1	290	<1	12	<10	50.3	1960	<0.5	18
L99200E-47275N	17	<1	140	<1	2	<10	15.3	1340	<0.5	3
L99200E-47287.5N	16	<1	40	<1	2	<10	23.0	1830	<0.5	4
L99200E-47300N	11	2	200	<1	2	<10	17.8	3570	<0.5	5
L99200E-47312.5N	31	<1	210	<1	5	<10	52.2	1330	0.6	9
L99200E-47325N	88	<1	90	<1	13	<10	44.6	1220	<0.5	15
L99200E-47337.5N	254	<1	70	<1	33	<10	40.9	1800	0.6	16
L99200E-47350.5N	43	1	50	<1	7	<10	36.3	1420	0.5	9
L99200E-47362.5N	36	<1	220	<1	5	<10	11.8	421	<0.5	7
L99200E-47375N	36	<1	140	<1	5	<10	22.6	446	<0.5	6
L99200E-46625N	65	<1	90	<1	9	<10	50.4	875	0.7	8
*Dup L99300E-47450N	350	<1	260	<1	45	<10	80.2	1200	0.6	24
*Dup L99300E-47625N	33	<1	230	<1	7	<10	29.4	371	<0.5	10
Dup L99200E-46500N	18	<1	390	<1	2	<10	8.9	6	<0.5	5
Dup L99200E-46662.5N	42	<1	260	<1	8	<10	12.5	570	<0.5	3
*Dup L99200E	14	<1	320	<1	2	<10	7.9	313	<0.5	4
Dup L99200E-46975N	82	<1	50	<1	11	<10	32.2	1280	<0.5	7
Dup L99200E-47162.5N	116	<1	340	<1	17	<10	36.7	281	<0.5	8

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
*Dup L99200E-47337.5N	253	<1	70	<1	33	<10	46.5	2190	0.6	18
*Std MMISRM14	3	<1	550	<1	<1	<10	15.3	<3	<0.5	34
*Std MMISRM14	3	<1	540	<1	<1	<10	14.8	<3	<0.5	33
*Std MMISRM14	3	<1	520	<1	<1	<10	15.0	<3	<0.5	33
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
*Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Final : 093391 Order: COBALT GRID ONE

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
L99300E-47450N	4	1280	71	260	135
L99300E-47462.5N	1	328	23	240	84
L99300E-47475N	1	192	14	810	104
L99300E-47487.5N	4	155	16	5200	93
L99300E-47500N	<1	574	30	250	44
L99300E-47512.5N	<1	160	8	690	15
L99300E-47525N	<1	860	48	900	68
L99300E-47550N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E-47562.5N	2	125	7	520	22
L99300E-47575N	<1	242	14	210	34
L99300E-47587.5N	<1	651	34	490	52
L99300E-47612.5N	<1	544	28	140	49
L99300E-47625N	<1	208	13	2640	26
L99300E-47637.5N	<1	127	9	510	61
L99300E-47662.5N	<1	90	6	1960	30
L99300E-47675N	<1	236	11	1350	9
L99200E-46400N	<1	188	13	270	37
L99200E-46412.5N	<1	83	5	510	7
L99200E-46425N	<1	141	9	190	51
L99200E-46437.5N	<1	86	6	880	32
L99200E-46450N	<1	54	3	440	10
L99200E-46462.5N	<1	72	5	310	36
L99200E-46475N	<1	171	9	300	26
L99200E-46487.5N	<1	96	5	20	14
L99200E-46500N	<1	63	3	770	8
L99200E-46512.5N	<1	553	28	1440	54
L99200E-46525N	<1	193	12	290	50
L99200E-46537.5N	<1	198	14	1900	62
L99200E-46550N	<1	62	5	1480	62
L99200E-46562.5N	<1	72	5	1670	56
L99200E-46575N	<1	108	7	850	46
L99200E-46587.5N	<1	202	12	700	41
L99200E-46600N	<1	37	4	2680	24
L99200E-46612.5N	<1	94	7	1720	29
L99200E-46637.5N	<1	241	14	670	49
L99200E-46650N	<1	561	31	990	87
L99200E-46662.5N	<1	244	12	1770	17
L99200E-46675N	<1	108	5	190	7
L99200E-46687.5N	<1	93	6	1340	20
L99200E-46700N	<1	49	3	1450	20
L99200E-46712.5N	<1	55	4	870	15
L99200E-46737.5N	<1	40	3	760	23
L99200E-46750N	<1	64	4	380	25
L99200E-46762.5N	<1	52	4	550	36
L99200E-46775N	<1	28	2	1030	24
L99200E-46787.5N	<1	44	3	1350	35
L99200E-46800N	4	136	10	1810	67
L99200E-46812.5N	1	94	6	540	39

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Final : 093391 Order: COBALT GRID ONE

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
L99200E-46825N	<1	46	3	650	14
L99200E-46837.5N	<1	39	3	430	19
L99200E-46850N	1	59	5	1400	53
L99200E-46862.5N	<1	54	4	360	32
L99200E-46875N	2	284	18	320	159
L99200E-46887.5N	<1	81	6	320	50
L99200E-46900N	5	117	6	1320	13
L99200E-46912.5N	<1	343	26	180	95
L99200E-46925N	<1	46	4	120	50
L99200E-46937.5N	<1	179	11	40	34
L99200E-46950N	<1	173	9	500	26
L99200E-46962.5N	<1	64	4	280	21
L99200E-46975N	<1	387	22	170	54
L99200E-47012.5N	<1	17	3	5050	<5
L99200E-47025N	<1	11	<1	830	<5
L99200E-47037.5N	<1	227	15	<20	21
L99200E-47050N	<1	287	21	870	16
L99200E-47062.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99200E-47075N	<1	204	10	280	14
L99200E-47087.5N	<1	30	2	1800	13
L99200E-47100N	<1	44	3	870	40
L99200E-47125N	<1	99	5	1010	23
L99200E-47137.5N	<1	46	2	410	8
L99200E-47150N	<1	33	3	790	13
L99200E-47162.5N	<1	520	29	1670	34
L99200E-47175N	<1	52	3	100	15
L99200E-47187.5N	<1	166	9	400	20
L99200E-47200N	<1	104	8	50	29
L99200E-47225N	<1	95	5	300	13
L99200E-47237.5N	<1	51	4	120	42
L99200E-47250N	<1	299	23	40	82
L99200E-47275N	<1	55	3	90	30
L99200E-47287.5N	<1	57	4	290	38
L99200E-47300N	<1	61	4	1040	46
L99200E-47312.5N	<1	101	7	500	78
L99200E-47325N	<1	266	17	220	65
L99200E-47337.5N	<1	720	39	110	88
L99200E-47350.5N	<1	156	9	730	59
L99200E-47362.5N	<1	110	6	60	16
L99200E-47375N	<1	136	8	370	28
L99200E-46625N	<1	181	11	400	88
*Dup L99300E-47450N	<1	1250	66	260	126
*Dup L99300E-47625N	<1	201	14	2790	22
*Dup L99200E-46500N	<1	60	4	760	8
*Dup L99200E-46662.5N	<1	255	14	2200	13
*Dup L99200E	<1	44	3	590	10
*Dup L99200E-46975N	<1	347	20	130	59
*Dup L99200E-47162.5N	<1	510	30	1710	46

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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
*Dup L99200E-47337.5N	<1	728	41	160	93
*Std MMISRM14	<1	9	<1	290	13
*Std MMISRM14	<1	8	<1	310	14
*Std MMISRM14	<1	8	<1	280	11
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 093390

To: **Geotronics Consulting Inc.**

Attn: David G. Mark
6204 - 125th Street
SURREY
BC V3X 2E1

Date: Jun 25, 2007

P.O. No. : COBALT GRID ONE
Project No. : DEFAULT
No. Of Samples 75
Date Submitted May 29, 2007
Report Comprises Pages 1 to 11
(Inclusive of Cover Sheet)

Distribution of unused material:

75 Soils

Certified By :

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = 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

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L99300E- 46400N	33	19	10	0.6	740	<1	510	17	91	144
L99300E- 46412.5N	13	124	10	0.4	1280	<1	280	14	1070	26
L99300E- 46425N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 46437.5N	22	40	30	<0.1	420	<1	420	48	149	40
L99300E- 46450N	61	20	10	1.0	680	<1	540	31	34	42
L99300E- 46462.5N	27	33	20	0.3	540	<1	450	21	315	211
L99300E- 46475N	30	21	20	0.6	920	<1	500	15	283	77
L99300E- 46487.5N	18	37	20	0.2	730	<1	530	45	269	153
L99300E- 46500N	17	37	20	0.1	710	<1	520	44	321	115
L99300E- 46512.5N	2	16	60	<0.1	110	<1	460	21	23	157
L99300E- 46525N	4	15	30	<0.1	160	<1	440	94	8	201
L99300E- 46537.5N	21	198	40	<0.1	860	2	150	32	180	148
L99300E- 46550N	31	218	50	<0.1	790	2	130	18	77	117
L99300E- 46562.5N	30	190	50	0.1	500	2	150	20	62	84
L99300E- 46575N	62	157	20	0.1	710	<1	170	26	828	33
L99300E- 46587.5N	45	75	20	0.2	1010	<1	290	15	2240	18
L99300E- 46600N	17	226	50	<0.1	830	2	120	35	453	88
L99300E- 46612.5N	20	154	20	0.1	700	1	230	50	183	73
L99300E- 46625N	78	56	10	<0.1	390	<1	380	45	242	94
L99300E- 46637.5N	14	261	40	0.1	290	3	30	14	87	172
L99300E- 46650N	20	170	30	<0.1	370	<1	110	11	265	50
L99300E- 46662.5N	9	276	20	<0.1	140	<1	20	22	16	198
L99300E- 46675N	2	225	50	<0.1	410	12	40	23	9	1670
L99300E- 46687.5N	23	283	100	0.4	530	4	40	9	479	366
L99300E- 46700N	32	17	30	0.1	750	<1	410	25	110	236
L99300E- 46712.5N	10	15	50	0.1	470	<1	430	5	244	330
L99300E- 46725N	33	49	20	<0.1	530	<1	460	43	544	60
L99300E- 46737.5N	23	55	20	0.1	290	<1	370	19	82	201
L99300E- 46750N	19	65	20	<0.1	320	<1	390	28	83	233
L99300E- 46775N	18	54	<10	<0.1	360	<1	400	25	130	50
L99300E- 46787.5N	12	169	20	<0.1	480	<1	220	71	421	53
L99300E- 46800N	46	215	150	0.1	650	3	70	16	259	89
L99300E- 46812.5N	20	273	40	<0.1	250	2	40	39	104	204
L99300E- 46825N	34	195	30	<0.1	610	<1	140	24	143	129
L99300E- 46837.5N	37	171	30	<0.1	520	<1	130	14	278	64
L99300E- 46850N	13	125	10	<0.1	470	<1	260	13	284	143
L99300E- 46862.5N	24	19	10	0.1	550	<1	420	13	193	66
L99300E- 46875N	23	29	10	0.1	680	<1	440	15	189	70
L99300E- 46900N	2	27	110	<0.1	510	<1	380	6	296	304
L99300E- 46912.5N	14	36	40	<0.1	430	<1	390	29	423	443
L99300E- 46925N	9	37	60	<0.1	420	<1	390	11	429	689
L99300E- 46937.5N	27	247	50	<0.1	540	1	110	35	119	170
L99300E- 46950N	29	234	50	<0.1	610	2	80	14	91	192
L99300E- 46962.5N	29	109	80	0.1	350	2	250	23	513	254
L99300E- 46975N	41	62	10	0.1	590	<1	460	45	34	62
L99300E- 46987.5N	30	236	30	<0.1	570	1	100	21	43	200
L99300E- 47000N	79	212	40	0.3	430	2	120	25	468	261
L99300E- 47012.5N	78	133	20	0.2	500	<1	370	16	101	89

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L99300E- 47025N	50	5	30	0.2	330	<1	490	21	22	28
L99300E- 47037.5N	3	7	480	0.1	280	<1	420	2	166	598
L99300E- 47050N	<1	13	1980	<0.1	150	<1	380	1	17	951
L99300E- 47062.5N	26	12	40	0.2	390	<1	520	23	141	349
L99300E- 47075N	61	113	20	0.1	410	<1	280	23	257	93
L99300E- 47087.5N	23	292	60	<0.1	510	3	60	25	51	426
L99300E- 47125N	54	96	20	<0.1	420	<1	360	30	30	77
L99300E- 47137.5N	195	138	40	0.2	560	<1	220	19	206	300
L99300E- 47150N	1870	124	1690	0.7	780	4	280	112	324	14800
L99300E- 47162.5N	344	>300	1790	0.2	580	19	100	60	135	4570
L99300E- 47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 47187.5N	75	195	90	<0.1	510	3	170	24	132	175
L99300E- 47200N	51	223	90	<0.1	650	4	90	21	397	161
L99300E- 47225N	167	15	50	0.4	310	<1	460	76	54	348
L99300E- 47275N	41	245	60	<0.1	350	2	70	32	86	271
L99300E- 47287.5N	164	127	80	0.4	560	2	200	14	745	120
L99300E- 47300N	40	255	70	0.1	420	2	30	24	262	272
L99300E- 47312.5N	41	291	230	<0.1	640	8	70	24	164	588
L99300E- 47325N	14	49	130	0.1	380	1	310	15	316	1030
L99300E- 47350N	52	197	60	<0.1	650	2	160	29	90	167
L99300E- 47375N	52	246	120	<0.1	650	4	100	16	98	179
L99300E- 47387.5N	19	238	280	<0.1	260	7	70	52	25	1010
L99300E- 47400N	64	280	110	<0.1	390	1	60	11	66	473
L99300E- 47412.5N	22	268	50	<0.1	170	2	60	24	47	353
L99300E- 47425N	65	166	70	0.2	960	2	70	13	189	108
L99300E- 47437.5N	21	273	40	<0.1	140	<1	<10	35	22	413
L99300E- 46437.5N-A	16	29	20	0.2	830	<1	460	10	158	238
*Dup L99300E- 46400N	33	19	20	0.6	750	<1	500	13	146	197
*Dup L99300E- 46550N	35	224	60	<0.1	790	2	140	19	79	114
*Dup L99300E- 46700N	35	17	30	0.2	600	<1	430	20	108	293
*Dup L99300 E-46862.5N	16	19	20	0.2	530	<1	410	10	271	78
*Dup L99300E- 47025N	53	7	20	0.2	330	<1	510	25	20	41
*Dup L99300E- 47200N	50	203	60	<0.1	600	4	90	31	384	135
*Dup L99300E- 47425N	67	172	70	0.2	1080	1	70	12	207	90
*Std MMISRM14	16	35	20	49.6	70	<1	300	7	11	42
*Std MMISRM14	19	42	20	43.1	110	<1	300	10	17	51
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L99300E- 46400N	<100	2240	16	7.8	5.8	7	25	51	<5	166
L99300E- 46412.5N	<100	1010	91	49.7	25.1	17	111	332	<5	56
L99300E- 46425N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 46437.5N	<100	320	13	5.8	6.2	13	25	80	<5	106
L99300E- 46450N	<100	5740	30	14.3	10.4	6	48	85	<5	203
L99300E- 46462.5N	<100	4740	15	7.3	7.0	28	29	162	<5	115
L99300E- 46475N	<100	3570	35	16.4	13.7	9	61	142	<5	154
L99300E- 46487.5N	<100	1430	14	7.2	4.8	16	21	59	<5	156
L99300E- 46500N	<100	1380	15	7.1	5.5	17	23	68	<5	162
L99300E- 46512.5N	<100	3350	2	1.2	1.0	26	4	20	<5	105
L99300E- 46525N	<100	3030	1	0.9	<0.5	19	1	4	7	87
L99300E- 46537.5N	200	480	15	7.2	4.5	68	18	53	6	17
L99300E- 46550N	100	370	10	5.0	2.9	64	11	33	9	11
L99300E- 46562.5N	100	380	9	4.1	2.5	56	10	31	7	17
L99300E- 46575N	<100	450	33	12.5	10.6	27	43	120	<5	25
L99300E- 46587.5N	<100	530	194	79.0	89.7	14	392	1040	<5	98
L99300E- 46600N	<100	470	19	8.3	5.7	56	23	69	<5	14
L99300E- 46612.5N	<100	860	18	8.0	5.6	31	24	57	<5	26
L99300E- 46625N	<100	310	12	5.1	5.4	12	21	61	<5	118
L99300E- 46637.5N	<100	650	12	6.1	2.9	71	11	23	<5	4
L99300E- 46650N	100	960	13	5.4	5.3	37	20	73	<5	8
L99300E- 46662.5N	<100	240	8	5.1	1.1	58	4	5	<5	8
L99300E- 46675N	<100	260	1	1.9	<0.5	150	<1	3	6	26
L99300E- 46687.5N	200	3160	39	17.6	10.3	82	44	103	8	6
L99300E- 46700N	200	2010	6	3.3	3.2	18	13	44	9	114
L99300E- 46712.5N	<100	3030	7	3.5	3.4	86	14	74	<5	98
L99300E- 46725N	<100	340	28	12.6	12.2	20	51	162	<5	83
L99300E- 46737.5N	<100	800	4	1.8	1.8	48	7	32	<5	82
L99300E- 46750N	<100	1010	4	1.9	1.8	55	7	30	<5	92
L99300E- 46775N	<100	350	7	2.9	3.4	13	13	41	<5	88
L99300E- 46787.5N	<100	530	88	48.9	21.0	35	98	210	<5	33
L99300E- 46800N	200	460	23	11.7	5.2	68	21	34	<5	6
L99300E- 46812.5N	<100	2160	19	9.1	5.5	60	23	36	<5	5
L99300E- 46825N	<100	370	16	7.1	4.3	30	17	39	<5	14
L99300E- 46837.5N	<100	380	20	9.3	7.7	35	30	86	<5	14
L99300E- 46850N	<100	310	32	16.5	9.8	34	43	119	<5	54
L99300E- 46862.5N	<100	870	11	4.5	5.8	11	23	93	<5	104
L99300E- 46875N	<100	360	9	4.1	4.1	9	17	47	<5	110
L99300E- 46900N	<100	1500	7	3.9	3.0	149	13	62	<5	63
L99300E- 46912.5N	<100	1570	7	3.7	3.4	57	13	70	<5	70
L99300E- 46925N	<100	2450	7	4.0	3.3	94	13	75	<5	68
L99300E- 46937.5N	100	490	10	4.7	3.0	49	12	27	5	7
L99300E- 46950N	<100	770	10	4.8	3.2	71	12	36	7	10
L99300E- 46962.5N	<100	1740	25	11.0	11.0	68	43	209	<5	28
L99300E- 46975N	<100	350	4	2.2	1.6	12	7	15	<5	43
L99300E- 46987.5N	<100	490	7	3.8	2.0	45	8	19	<5	13
L99300E- 47000N	<100	940	50	23.6	15.9	51	63	164	<5	24
L99300E- 47012.5N	<100	290	15	7.1	5.4	28	23	65	<5	37

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L99300E- 47025N	<100	1850	4	1.9	1.6	11	6	16	<5	149
L99300E- 47037.5N	<100	3320	8	4.4	3.2	156	13	66	<5	85
L99300E- 47050N	<100	590	1	0.8	0.7	87	2	11	<5	83
L99300E- 47062.5N	<100	4630	6	3.0	2.8	23	11	45	5	118
L99300E- 47075N	<100	350	25	10.8	10.5	21	43	148	<5	57
L99300E- 47087.5N	<100	570	9	5.2	1.7	105	7	12	15	16
L99300E- 47125N	<100	420	4	2.1	1.4	25	5	11	<5	88
L99300E- 47137.5N	<100	640	30	14.7	10.5	15	46	159	<5	38
L99300E- 47150N	<100	4670	9	3.9	3.8	20	15	53	<5	23
L99300E- 47162.5N	300	6810	10	4.5	2.5	203	10	41	54	13
L99300E- 47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 47187.5N	100	690	12	5.9	3.8	82	14	41	14	29
L99300E- 47200N	<100	800	48	24.1	14.6	55	61	151	11	19
L99300E- 47225N	<100	1230	5	2.4	2.3	9	10	29	<5	158
L99300E- 47275N	<100	500	10	5.0	3.4	54	12	30	6	14
L99300E- 47287.5N	<100	1450	108	46.0	46.1	39	187	749	<5	44
L99300E- 47300N	100	940	20	9.0	5.3	44	21	43	7	6
L99300E- 47312.5N	200	890	14	7.1	4.6	172	18	58	43	20
L99300E- 47325N	<100	1480	16	7.5	6.6	96	27	139	<5	109
L99300E- 47350N	100	490	8	3.9	2.9	55	11	42	9	21
L99300E- 47375N	200	530	8	3.9	2.8	106	10	47	21	10
L99300E- 47387.5N	100	350	6	3.4	1.3	154	5	10	14	14
L99300E- 47400N	100	290	9	4.3	2.6	109	10	26	15	11
L99300E- 47412.5N	<100	430	10	5.2	2.4	69	9	14	7	10
L99300E- 47425N	200	270	11	5.2	4.0	42	14	54	12	6
L99300E- 47437.5N	<100	320	6	3.6	1.3	41	4	8	<5	<1
L99300E- 46437.5N-A	<100	1230	6	2.7	2.9	20	12	51	<5	113
*Dup L99300E- 46400N	<100	2480	13	6.4	5.4	12	24	74	<5	156
*Dup L99300E- 46550N	100	370	10	4.8	3.1	66	12	32	9	12
*Dup L99300E- 46700N	100	2940	4	2.7	2.3	21	8	29	8	108
*Dup L99300 E-46862.5N	<100	1080	11	4.6	5.9	17	23	120	<5	108
*Dup L99300E- 47025N	<100	1860	4	2.1	1.6	11	7	17	<5	165
*Dup L99300E- 47200N	<100	780	48	24.4	14.4	42	62	150	<5	19
*Dup L99300E- 47425N	200	270	12	5.2	4.2	49	16	61	8	6
*Std MMISRM14	<100	680	1	0.5	0.7	2	2	2	<5	42
*Std MMISRM14	<100	810	2	0.8	1.1	2	4	4	<5	44
*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

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L99300E- 46400N	<5	1.2	85	293	140	<1	18	25	<1	6
L99300E- 46412.5N	<5	0.8	436	260	410	<1	110	174	<1	129
L99300E- 46425N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 46437.5N	<5	<0.5	122	369	290	<1	28	53	<1	<5
L99300E- 46450N	<5	<0.5	147	232	170	<1	30	49	<1	11
L99300E- 46462.5N	<5	<0.5	190	452	70	<1	50	30	<1	20
L99300E- 46475N	<5	<0.5	224	299	140	<1	49	59	<1	18
L99300E- 46487.5N	<5	<0.5	87	361	320	<1	20	48	<1	10
L99300E- 46500N	<5	<0.5	100	342	330	<1	24	50	<1	11
L99300E- 46512.5N	<5	<0.5	22	363	280	<1	6	16	2	<5
L99300E- 46525N	<5	<0.5	5	333	660	<1	1	39	4	<5
L99300E- 46537.5N	<5	3.3	73	394	1070	<1	18	55	2	32
L99300E- 46550N	<5	3.5	44	481	1130	<1	11	115	2	29
L99300E- 46562.5N	<5	3.1	39	429	780	<1	9	125	2	24
L99300E- 46575N	<5	1.1	170	235	2360	<1	41	116	2	45
L99300E- 46587.5N	<5	<0.5	1690	146	250	<1	390	105	<1	60
L99300E- 46600N	<5	2.0	92	344	1400	<1	23	154	2	32
L99300E- 46612.5N	<5	0.7	88	649	1020	<1	21	143	1	23
L99300E- 46625N	<5	<0.5	102	314	590	<1	23	71	<1	<5
L99300E- 46637.5N	<5	1.8	39	263	3170	<1	9	94	2	22
L99300E- 46650N	<5	2.3	91	135	560	<1	23	133	2	29
L99300E- 46662.5N	<5	1.6	12	204	890	<1	2	106	<1	24
L99300E- 46675N	<5	1.1	3	175	740	<1	<1	114	2	19
L99300E- 46687.5N	<5	4.4	153	413	1980	<1	36	140	4	65
L99300E- 46700N	15	1.7	71	472	30	3	15	27	2	10
L99300E- 46712.5N	12	0.8	94	392	70	<1	24	17	1	15
L99300E- 46725N	<5	<0.5	236	443	530	<1	55	96	<1	14
L99300E- 46737.5N	<5	0.6	38	327	350	<1	9	52	1	7
L99300E- 46750N	<5	0.5	36	363	410	<1	9	56	1	10
L99300E- 46775N	<5	<0.5	62	181	400	<1	14	77	<1	<5
L99300E- 46787.5N	<5	0.6	336	244	1000	<1	76	160	<1	79
L99300E- 46800N	5	3.9	65	453	1890	<1	14	82	4	43
L99300E- 46812.5N	<5	1.9	80	427	2760	<1	16	172	2	29
L99300E- 46825N	<5	1.1	60	263	1070	<1	14	129	1	22
L99300E- 46837.5N	<5	1.5	136	191	940	<1	32	104	1	29
L99300E- 46850N	<5	<0.5	168	303	1040	<1	40	161	<1	30
L99300E- 46862.5N	<5	<0.5	129	158	170	<1	30	75	<1	6
L99300E- 46875N	<5	<0.5	78	208	120	<1	18	30	<1	<5
L99300E- 46900N	9	1.4	79	349	220	<1	21	35	2	24
L99300E- 46912.5N	8	0.6	88	392	960	<1	23	52	1	16
L99300E- 46925N	10	0.8	92	437	910	<1	24	59	1	18
L99300E- 46937.5N	<5	2.2	41	390	1350	<1	10	152	2	22
L99300E- 46950N	<5	3.6	53	347	1520	<1	12	85	2	22
L99300E- 46962.5N	<5	2.1	255	603	2370	<1	66	100	2	35
L99300E- 46975N	<5	<0.5	24	355	380	<1	5	122	<1	<5
L99300E- 46987.5N	<5	2.3	26	328	1000	<1	6	77	2	18
L99300E- 47000N	<5	2.7	267	481	2380	<1	62	228	2	58
L99300E- 47012.5N	<5	1.1	96	362	1100	<1	23	71	1	16

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L99300E- 47025N	<5	<0.5	27	324	100	<1	6	34	<1	<5
L99300E- 47037.5N	14	0.8	80	712	70	<1	20	9	3	14
L99300E- 47050N	10	<0.5	14	1090	60	<1	4	16	3	<5
L99300E- 47062.5N	15	<0.5	61	750	40	<1	15	17	3	7
L99300E- 47075N	<5	0.6	200	298	940	<1	48	125	<1	24
L99300E- 47087.5N	<5	3.8	20	363	1710	<1	4	124	2	26
L99300E- 47125N	<5	0.9	18	472	890	<1	4	143	1	10
L99300E- 47137.5N	<5	<0.5	196	250	830	<1	48	63	2	33
L99300E- 47150N	<5	0.9	69	5230	3730	<1	18	283	27	25
L99300E- 47162.5N	10	13.0	41	2080	10300	<1	11	127	22	60
L99300E- 47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 47187.5N	<5	4.4	56	474	1220	<1	13	153	3	35
L99300E- 47200N	<5	3.5	246	288	2310	<1	56	97	3	56
L99300E- 47225N	<5	<0.5	40	635	390	<1	9	45	2	<5
L99300E- 47275N	<5	2.9	46	329	1680	<1	11	109	2	21
L99300E- 47287.5N	<5	2.4	966	281	1520	<1	241	198	2	121
L99300E- 47300N	<5	1.7	78	462	1740	<1	18	164	3	26
L99300E- 47312.5N	6	10.2	77	456	1550	<1	19	70	6	48
L99300E- 47325N	7	1.2	162	837	280	<1	41	42	4	26
L99300E- 47350N	<5	3.4	47	649	1000	<1	12	114	2	25
L99300E- 47375N	<5	6.4	50	575	1040	<1	13	115	5	31
L99300E- 47387.5N	<5	5.0	16	535	1060	<1	3	66	4	27
L99300E- 47400N	<5	4.6	35	436	580	<1	9	90	2	23
L99300E- 47412.5N	<5	3.3	29	409	1090	<1	6	96	2	22
L99300E- 47425N	<5	2.7	69	222	1110	5	16	110	2	24
L99300E- 47437.5N	<5	1.4	14	343	540	<1	3	57	1	15
L99300E- 46437.5N-A	<5	<0.5	69	221	130	<1	17	52	<1	<5
*Dup L99300E- 46400N	<5	<0.5	106	307	170	<1	24	25	<1	6
*Dup L99300E- 46550N	<5	4.0	44	482	1150	<1	11	119	2	29
*Dup L99300E- 46700N	17	1.1	49	548	30	3	11	26	2	<5
*Dup L99300 E-46862.5N	<5	<0.5	148	167	160	<1	37	82	<1	7
*Dup L99300E- 47025N	<5	<0.5	26	355	110	<1	6	44	<1	<5
*Dup L99300E- 47200N	<5	2.0	252	267	2300	<1	56	89	2	52
*Dup L99300E- 47425N	<5	2.8	72	207	1060	6	17	114	2	21
*Std MMISRM14	33	<0.5	8	239	130	46	1	277	<1	<5
*Std MMISRM14	38	<0.5	13	293	130	53	2	331	1	11
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

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L99300E- 46400N	22	<1	410	2	4	<10	10.6	16	<0.5	4
L99300E- 46412.5N	98	<1	320	<1	17	<10	79.1	70	<0.5	33
L99300E- 46425N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 46437.5N	26	<1	250	<1	3	<10	6.0	31	<0.5	10
L99300E- 46450N	38	<1	390	<1	6	<10	8.6	<3	<0.5	5
L99300E- 46462.5N	32	<1	390	<1	4	<10	13.1	10	<0.5	14
L99300E- 46475N	53	<1	510	<1	8	<10	22.2	<3	<0.5	21
L99300E- 46487.5N	20	<1	430	<1	3	<10	22.8	4	<0.5	9
L99300E- 46500N	22	<1	400	<1	3	<10	23.9	8	<0.5	9
L99300E- 46512.5N	3	<1	310	<1	<1	<10	1.5	<3	<0.5	13
L99300E- 46525N	1	<1	280	<1	<1	<10	0.7	<3	<0.5	10
L99300E- 46537.5N	17	<1	130	<1	3	<10	24.1	1620	<0.5	5
L99300E- 46550N	11	<1	120	<1	2	<10	15.7	1730	<0.5	4
L99300E- 46562.5N	9	<1	110	<1	2	<10	12.3	1660	<0.5	3
L99300E- 46575N	42	<1	160	<1	7	<10	35.6	291	<0.5	11
L99300E- 46587.5N	369	<1	350	<1	48	<10	23.2	91	<0.5	15
L99300E- 46600N	21	<1	140	<1	4	<10	41.2	697	<0.5	4
L99300E- 46612.5N	22	<1	250	<1	4	<10	15.3	238	<0.5	4
L99300E- 46625N	21	<1	260	<1	3	<10	4.8	30	<0.5	3
L99300E- 46637.5N	10	<1	50	<1	2	<10	14.4	511	<0.5	5
L99300E- 46650N	20	<1	90	<1	3	<10	20.7	973	<0.5	7
L99300E- 46662.5N	3	<1	60	<1	1	<10	6.8	606	<0.5	2
L99300E- 46675N	<1	<1	130	<1	<1	<10	6.8	372	<0.5	2
L99300E- 46687.5N	39	1	50	<1	8	<10	68.2	1400	0.6	21
L99300E- 46700N	12	<1	370	2	1	<10	8.7	5	<0.5	23
L99300E- 46712.5N	16	<1	320	<1	2	<10	9.9	23	<0.5	28
L99300E- 46725N	50	<1	360	<1	7	<10	8.3	21	<0.5	9
L99300E- 46737.5N	7	<1	270	<1	<1	<10	2.8	154	<0.5	12
L99300E- 46750N	7	<1	300	<1	<1	<10	2.6	114	<0.5	14
L99300E- 46775N	13	<1	260	<1	2	<10	2.9	40	<0.5	4
L99300E- 46787.5N	81	<1	270	<1	16	<10	42.9	146	<0.5	13
L99300E- 46800N	19	1	70	<1	4	<10	26.0	1910	<0.5	13
L99300E- 46812.5N	20	<1	70	<1	4	<10	11.3	812	<0.5	7
L99300E- 46825N	16	<1	130	<1	3	<10	20.8	447	<0.5	5
L99300E- 46837.5N	30	<1	100	<1	5	<10	18.4	549	<0.5	5
L99300E- 46850N	38	<1	250	<1	6	<10	15.6	85	<0.5	6
L99300E-46862.5N	24	<1	260	<1	3	<10	7.3	21	<0.5	3
L99300E- 46875N	17	<1	370	<1	2	<10	7.6	15	<0.5	4
L99300E- 46900N	14	<1	320	<1	2	<10	11.7	98	<0.5	11
L99300E- 46912.5N	15	<1	310	<1	2	<10	9.0	38	<0.5	11
L99300E- 46925N	15	<1	300	<1	2	<10	9.5	47	<0.5	13
L99300E- 46937.5N	10	<1	130	<1	2	<10	17.0	989	<0.5	4
L99300E- 46950N	12	<1	140	<1	2	<10	10.8	1500	<0.5	2
L99300E- 46962.5N	48	3	190	<1	6	<10	38.8	375	<0.5	5
L99300E- 46975N	6	<1	390	<1	<1	<10	3.0	59	<0.5	3
L99300E- 46987.5N	7	<1	130	<1	1	<10	10.7	982	<0.5	2
L99300E- 47000N	61	<1	140	2	10	<10	31.2	592	<0.5	7
L99300E- 47012.5N	21	<1	300	<1	3	<10	7.2	258	<0.5	5

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L99300E- 47025N	6	<1	270	<1	<1	<10	4.1	29	<0.5	3
L99300E- 47037.5N	14	<1	330	<1	2	<10	12.7	63	<0.5	8
L99300E- 47050N	2	<1	310	<1	<1	<10	1.3	12	<0.5	9
L99300E- 47062.5N	11	<1	410	<1	1	<10	8.5	<3	<0.5	8
L99300E- 47075N	42	<1	220	<1	6	<10	12.4	174	<0.5	5
L99300E- 47087.5N	5	<1	100	<1	1	<10	13.3	1690	<0.5	4
L99300E- 47125N	5	<1	320	<1	<1	<10	4.4	354	<0.5	3
L99300E- 47137.5N	42	<1	190	<1	6	<10	13.2	156	<0.5	13
L99300E- 47150N	15	<1	210	<1	2	<10	13.7	301	0.6	8
L99300E- 47162.5N	10	4	140	<1	2	<10	40.9	5840	0.6	14
L99300E- 47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 47187.5N	13	<1	140	<1	2	<10	17.1	1900	<0.5	5
L99300E- 47200N	56	<1	100	<1	9	<10	36.5	1250	<0.5	9
L99300E- 47225N	9	<1	240	<1	1	<10	2.8	13	<0.5	2
L99300E- 47275N	11	<1	70	<1	2	<10	10.3	1090	<0.5	2
L99300E- 47287.5N	193	<1	180	<1	25	<10	46.4	793	<0.5	16
L99300E- 47300N	19	<1	50	<1	4	<10	19.5	620	<0.5	6
L99300E- 47312.5N	17	2	80	<1	3	<10	21.1	3760	0.6	8
L99300E- 47325N	28	<1	210	<1	4	<10	11.8	237	<0.5	10
L99300E- 47350N	10	<1	120	<1	2	<10	11.7	1780	<0.5	2
L99300E- 47375N	10	2	90	<1	2	<10	17.1	3040	<0.5	4
L99300E- 47387.5N	4	<1	140	<1	<1	<10	7.8	2280	<0.5	2
L99300E- 47400N	9	<1	100	<1	2	<10	11.0	2250	<0.5	5
L99300E- 47412.5N	8	<1	90	<1	2	<10	8.6	1600	<0.5	4
L99300E- 47425N	14	<1	80	1	2	<10	18.8	1010	<0.5	5
L99300E- 47437.5N	4	<1	20	<1	<1	<10	4.1	508	<0.5	2
L99300E- 46437.5N-A	12	<1	360	<1	2	<10	6.4	19	<0.5	14
*Dup L99300E- 46400N	22	<1	400	<1	3	<10	13.6	5	<0.5	4
*Dup L99300E- 46550N	11	<1	120	<1	2	<10	15.3	1960	<0.5	4
*Dup L99300E- 46700N	9	<1	370	1	<1	<10	8.1	<3	<0.5	24
*Dup L99300 E-46862.5N	26	<1	260	<1	3	<10	7.5	26	<0.5	3
*Dup L99300E- 47025N	6	<1	290	<1	<1	<10	3.3	15	<0.5	3
*Dup L99300E- 47200N	55	<1	100	<1	9	<10	33.1	764	<0.5	8
*Dup L99300E- 47425N	15	<1	100	<1	2	<10	21.2	1210	<0.5	5
*Std MMISRM14	2	<1	540	<1	<1	<10	12.1	<3	<0.5	30
*Std MMISRM14	4	<1	610	<1	<1	<10	17.9	<3	<0.5	41
Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
Bik BLANK	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L99300E- 46400N	4	98	6	100	15
L99300E- 46412.5N	1	573	39	100	65
L99300E- 46425N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 46437.5N	<1	83	4	670	13
L99300E- 46450N	<1	214	11	60	15
L99300E- 46462.5N	<1	104	7	70	21
L99300E- 46475N	<1	210	12	210	28
L99300E- 46487.5N	<1	79	6	240	25
L99300E- 46500N	<1	85	6	230	26
L99300E- 46512.5N	<1	19	1	380	<5
L99300E- 46525N	<1	13	<1	2100	<5
L99300E- 46537.5N	<1	80	6	770	43
L99300E- 46550N	<1	53	4	760	35
L99300E- 46562.5N	<1	45	3	490	28
L99300E- 46575N	<1	132	9	700	41
L99300E- 46587.5N	<1	1240	50	420	37
L99300E- 46600N	<1	93	6	1970	55
L99300E- 46612.5N	<1	96	6	1540	20
L99300E- 46625N	<1	66	4	2320	10
L99300E- 46637.5N	<1	64	4	1150	21
L99300E- 46650N	<1	60	4	300	32
L99300E- 46662.5N	<1	45	4	1340	17
L99300E- 46675N	<1	6	5	2690	17
L99300E- 46687.5N	<1	175	14	530	123
L99300E- 46700N	6	39	4	140	7
L99300E- 46712.5N	<1	48	4	<20	15
L99300E- 46725N	<1	195	9	930	15
L99300E- 46737.5N	<1	25	1	190	10
L99300E- 46750N	<1	28	2	250	9
L99300E- 46775N	<1	39	2	960	9
L99300E- 46787.5N	<1	650	36	1810	38
L99300E- 46800N	<1	108	10	880	51
L99300E- 46812.5N	<1	105	7	2710	26
L99300E- 46825N	<1	75	6	500	27
L99300E- 46837.5N	<1	113	7	440	31
L99300E- 46850N	<1	235	12	560	18
L99300E- 46862.5N	<1	68	4	810	10
L99300E- 46875N	<1	51	3	440	10
L99300E- 46900N	<1	48	4	140	21
L99300E- 46912.5N	<1	47	3	1000	11
L99300E- 46925N	<1	48	4	860	15
L99300E- 46937.5N	<1	50	3	3080	29
L99300E- 46950N	<1	57	4	650	24
L99300E- 46962.5N	<1	124	9	1560	42
L99300E- 46975N	<1	27	2	1800	9
L99300E- 46987.5N	<1	40	3	1320	23
L99300E- 47000N	4	258	18	2420	33
L99300E- 47012.5N	<1	98	5	400	15

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L99300E- 47025N	<1	28	2	670	10
L99300E- 47037.5N	<1	59	4	220	18
L99300E- 47050N	<1	11	<1	640	5
L99300E- 47062.5N	<1	45	3	190	10
L99300E- 47075N	<1	145	7	700	18
L99300E- 47087.5N	<1	51	4	1100	28
L99300E- 47125N	<1	25	2	750	12
L99300E- 47137.5N	<1	206	10	360	18
L99300E- 47150N	<1	46	3	13600	27
L99300E- 47162.5N	<1	44	4	9450	95
L99300E- 47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99300E- 47187.5N	<1	68	5	670	39
L99300E- 47200N	<1	298	18	790	51
L99300E- 47225N	<1	38	2	2830	6
L99300E- 47275N	<1	60	4	800	22
L99300E- 47287.5N	<1	574	34	440	79
L99300E- 47300N	<1	98	7	650	30
L99300E- 47312.5N	<1	82	6	1490	62
L99300E- 47325N	<1	104	7	480	22
L99300E- 47350N	<1	47	3	1760	32
L99300E- 47375N	<1	43	3	1290	44
L99300E- 47387.5N	<1	34	3	3360	27
L99300E- 47400N	<1	46	4	510	25
L99300E- 47412.5N	<1	59	4	720	23
L99300E- 47425N	2	47	4	160	33
L99300E- 47437.5N	<1	34	3	840	16
L99300E- 46437.5N-A	<1	37	2	330	11
*Dup L99300E- 46400N	<1	84	5	120	20
*Dup L99300E- 46550N	<1	54	4	730	35
*Dup L99300E- 46700N	2	28	3	120	11
*Dup L99300 E-46862.5N	<1	70	4	770	13
*Dup L99300E- 47025N	<1	30	2	630	11
*Dup L99300E- 47200N	<1	308	18	790	40
*Dup L99300E- 47425N	1	49	4	230	39
*Std MMISRM14	<1	6	<1	290	12
*Std MMISRM14	<1	9	<1	360	30
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 093395

To: **Geotronics Consulting Inc.**

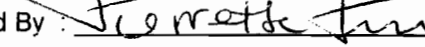
Attn: David G. Mark
6204 - 125th Street
SURREY
BC V3X 2E1

Date: Jun 25, 2007

P.O. No. : COBALT GRID ONE
Project No. : DEFAULT
No. Of Samples 126
Date Submitted Jun 06, 2007
Report Comprises Pages 1 to 16
(Inclusive of Cover Sheet)

Distribution of unused material:

125 Soils

Certified By : 
Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = 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

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L98900E-46962.5N	40	187	50	0.2	320	1	20	14	104	130
L98900E-46975N	23	204	50	<0.1	280	2	80	24	56	348
L98900E-46987.5N	37	207	30	<0.1	90	1	<10	24	187	508
L98900E-47000N	12	116	<10	0.1	240	<1	60	6	270	282
L98900E-47012.5N	22	164	100	0.1	180	5	<10	30	11	213
L98900E-47025N	19	177	60	<0.1	260	1	40	20	111	272
L98900E-47037.5N	27	270	90	<0.1	160	3	<10	27	46	160
L98900E-47050N	52	264	30	0.1	650	1	10	18	417	128
L98900E-47062.5N	23	222	30	<0.1	250	1	<10	13	6	182
L98900E-47087.5N	25	211	20	<0.1	170	<1	<10	29	42	122
L98900E-47112.5N	37	182	40	0.9	360	<1	10	14	619	158
L98900E-47125N	46	278	<10	<0.1	90	<1	<10	17	155	121
L98900E-47162.5N	35	230	10	0.3	260	<1	<10	11	854	146
L98900E-47187.5N	35	197	<10	<0.1	170	1	<10	19	101	123
L98900E-47200N	30	187	30	<0.1	160	2	<10	16	68	96
L98900E-47212.5N	28	276	80	<0.1	470	5	<10	52	38	327
L98900E-47225N	61	169	20	0.3	810	<1	50	13	468	66
L98900E-47237.5N	61	202	150	0.1	500	2	<10	14	175	187
L98900E-47250N	47	145	<10	0.2	550	<1	<10	5	395	90
L98900E-47262.5N	14	162	<10	<0.1	180	<1	<10	4	315	79
L98900E-47287.5N	30	175	10	0.2	410	<1	<10	6	192	55
L98900E-47300N	21	108	<10	0.1	410	<1	<10	5	217	49
L98900E-47312.5N	35	117	<10	0.1	170	<1	<10	9	301	68
L98900E-47325N	16	246	40	<0.1	200	2	<10	15	23	195
L98900E-47337.5N	24	224	30	<0.1	310	1	<10	15	203	155
L98900E-47350N	11	151	<10	<0.1	100	1	<10	13	84	61
L98900E-47362.5N	22	181	10	<0.1	70	<1	<10	11	64	55
L98900E-47387.5N	56	168	20	0.2	200	<1	<10	9	170	136
L98900E-47400N	22	244	70	<0.1	340	6	10	47	94	775
L98900E-47412.5N	36	98	<10	<0.1	160	<1	<10	7	141	60
L98900E-47425N	12	274	30	0.9	510	4	<10	74	26	361
L98900E-47137.5N	60	177	40	0.3	270	1	110	17	175	137
L98900E-47475N	11	167	160	0.1	400	3	60	10	165	325
L98900E-47487.5N	48	150	70	0.2	670	2	100	7	897	49
L98900E-47500N	32	119	100	<0.1	340	3	170	28	302	103
L98900E-47512.5N	154	133	100	0.5	450	1	60	9	2500	153
L98900E-4752N	24	273	80	<0.1	100	1	<10	14	15	254
L98900E-47537.5N	17	244	40	<0.1	110	<1	<10	25	28	188
L98900E-47550N	51	151	<10	0.1	110	<1	40	20	559	166
L98900E-47562.5N	106	100	<10	<0.1	240	<1	220	13	599	14
L98900E-47575N	13	110	<10	<0.1	210	<1	170	27	470	144
L98900E-47600N	1	43	20	<0.1	80	<1	190	5	25	177
L98900E-47617.5N	2	22	10	<0.1	60	<1	330	5	9	94
L98900E-47637.5N	2	4	<10	<0.1	60	<1	340	8	<5	177
L98800E-46400N	28	139	<10	<0.1	820	<1	200	10	114	36
L98800E-46412.5N	35	146	<10	0.2	1050	<1	130	10	409	24
L98800E-46425N	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
L98800E-46437.5N	34	252	10	<0.1	710	<1	60	13	60	68

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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
L98800E-46450N	24	184	20	<0.1	660	2	170	15	116	91
L98800E-46462.5N	24	207	60	<0.1	470	5	120	39	54	132
L98800E-46475N	14	147	20	<0.1	410	2	180	97	87	46
L98800E-46487.5N	67	27	10	1.8	650	<1	350	77	155	336
L98800E-46500N	34	24	10	0.8	490	<1	390	26	28	74
L98800E-46512.5N	47	16	20	0.4	440	<1	410	57	25	145
L98800E-46525N	24	164	20	0.1	290	5	220	74	32	285
L98800E-46537.5N	33	52	10	0.2	380	1	320	53	69	106
L98800E-46550N	21	185	50	0.2	780	3	160	41	59	113
L98800E-46562.5N	21	96	<10	<0.1	430	1	80	27	28	82
L98800E-46575N	24	75	50	0.1	240	2	70	18	19	130
L98800E-46587.5N	26	68	40	0.2	350	2	80	15	542	101
L98800E-46600N	41	221	130	<0.1	540	5	90	37	73	271
L98800E-46612.5	49	114	10	<0.1	310	<1	20	11	51	52
L98800E-46625N	111	104	20	<0.1	500	1	60	20	86	70
L98800E-46637.5N	51	108	20	<0.1	650	<1	20	4	33	60
L98800E-46650N	51	108	40	<0.1	570	2	60	11	46	108
L98800E-46662.5N	269	53	10	0.3	1040	<1	270	7	138	120
L98800E-46675N	45	142	40	<0.1	180	2	60	21	33	152
L98800E-46700N	5	124	40	<0.1	150	2	30	10	108	240
L98800E-46712.5N	23	139	50	<0.1	200	4	80	20	104	292
L98800E-46725N	22	125	120	0.1	440	5	20	34	100	319
L98800E-46737.5N	31	125	40	<0.1	240	<1	20	15	81	194
L98800E-46762.5N	177	145	10	0.1	850	<1	270	39	383	41
L98800E-46775N	96	132	30	0.2	1370	<1	140	13	110	188
L98800E-46787.5N	106	128	40	<0.1	550	3	90	14	63	243
L98800E-46800N	41	73	70	0.2	440	2	70	15	203	163
L98800E-46812.5N	33	109	20	<0.1	400	<1	60	10	180	118
L98800E-46825N	23	90	40	0.2	370	1	30	6	166	97
L98800E-46850N	24	102	60	<0.1	260	2	40	13	49	198
L98800E-46887.5N	28	92	20	<0.1	290	<1	90	8	60	110
L98800E-46900N	84	91	30	0.2	330	<1	40	8	267	91
L98800E-47052.5N	21	116	40	0.2	560	1	190	15	376	384
L98800E-47075N	48	111	20	<0.1	230	<1	20	4	61	66
L98800E-46950N	26	120	20	<0.1	290	<1	150	23	32	95
L98800E-46962.5N	24	127	10	<0.1	270	<1	30	6	48	56
L98800E-46975N	142	245	90	0.2	780	2	70	12	616	127
L98800E-46987.5N	40	44	30	0.6	510	<1	310	2	224	85
L98800E-47000N	41	153	20	<0.1	150	<1	<10	7	43	107
L98800E-47012.5N	22	212	70	<0.1	140	<1	<10	5	31	55
L98800E-47025N	23	154	70	<0.1	200	7	60	29	38	343
L98800E-47100N	69	133	60	<0.1	290	2	20	7	33	208
L98800E-47112.5N	55	68	20	<0.1	230	<1	20	4	36	68
L98800E-47125N	71	118	30	0.2	520	1	90	12	42	121
L98800E-47137.5	217	123	10	0.1	370	<1	10	5	159	43
L98800E-47150N	36	81	20	<0.1	210	1	40	7	30	42
L98800E-47162.5N	91	107	690	<0.1	340	<1	90	7	94	2700
L98800E-47175N	228	53	20	0.2	1070	<1	160	6	155	64

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L98800E-47200N	96	263	110	<0.1	780	3	100	14	184	137
L98800E-47212.5N	41	126	30	<0.1	460	<1	20	5	49	107
L98800E-47225N	148	96	30	0.2	560	<1	20	3	174	61
L98800E-47237.5N	75	123	60	0.2	460	2	50	12	236	930
L98800E-47337.5N	55	154	80	<0.1	270	4	60	16	57	376
L98800E-47350N	223	5	10	0.4	370	<1	180	4	16	146
L98800E-47362.5N	48	133	70	<0.1	260	3	30	6	34	157
L98800E-47375N	67	128	30	0.1	370	<1	20	5	56	130
L98800E-47387.5N	101	55	20	0.2	1830	<1	260	16	127	344
L98800E-47400N	62	34	20	0.2	460	<1	440	27	62	330
L98800E-47462.5N	10	56	80	<0.1	210	6	250	54	219	902
L98800E-47475N	36	161	200	0.2	870	3	160	13	878	194
L98800E-47487.5N	45	275	60	<0.1	670	<1	60	19	85	253
L98800E-47500N	106	175	30	0.1	610	<1	110	12	148	86
L98800E-47512.5N	44	71	220	0.5	550	2	160	6	402	385
L98800E-47525N	53	122	120	0.4	1220	2	50	3	993	458
L98800E-47537.5N	21	144	120	0.2	1430	3	50	4	1460	489
L98800E-47550N	70	185	220	0.3	1280	4	80	5	888	605
L98800E-47562.5N	90	197	290	0.4	660	5	50	15	473	680
L98800E-47575N	82	172	500	0.2	490	12	100	23	476	508
L98800E-47587.5N	7	6	<10	<0.1	130	<1	370	4	13	167
L98800E-47600N	28	136	270	0.2	360	4	200	14	355	139
L98800E-47625N	3	15	70	<0.1	80	<1	430	53	14	622
L98800E-47650N	21	43	30	<0.1	190	<1	330	8	127	370
L98800E-47662.5N	43	167	10	<0.1	210	<1	90	7	327	51
L98800E-47675N	240	9	100	0.5	250	<1	380	9	38	99
L98800E-47687.5N	12	105	50	<0.1	210	3	320	62	91	154
L98800E-47700N	196	12	20	0.2	270	<1	530	30	61	148
L98800E-46762.5N-A	441	125	40	0.5	680	<1	230	13	572	85
L98800E-46912.5N	22	226	80	<0.1	530	4	40	55	44	104
*Dup L98900E-46962.5N	39	224	60	0.1	380	1	20	14	110	194
*Dup L98900E-47162.5N	39	255	30	0.4	350	<1	<10	11	825	171
*Dup L98900E-47337.5N	33	247	40	0.2	380	1	<10	20	158	210
*Dup L98900E-4752N	27	293	130	<0.1	120	2	<10	15	19	281
*Dup L98800E-46450N	21	169	10	<0.1	510	1	180	17	176	72
*Dup L98800E-46600N	41	218	130	<0.1	550	5	90	37	72	248
*Dup L98800E-46775N	137	148	40	0.2	1270	<1	180	19	136	184
*Dup L98800E-46975N	148	260	90	0.2	820	2	70	12	624	130
*Dup L98800E-47200N	74	246	80	<0.1	780	2	90	15	151	183
*Dup L98800E-47487.5N	37	261	90	<0.1	890	1	80	13	115	192
*Dup L98800E-47662.5N	55	171	10	0.2	270	<1	110	8	288	65
*Std MMISRM14	21	32	10	37.9	100	<1	250	7	16	46
*Std MMISRM14	20	31	10	44.0	80	<1	270	7	13	49
*Std MMISRM14	19	29	<10	42.1	70	<1	260	6	11	45
*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
*Blk BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L98900E-46962.5N	<100	750	10	4.8	3.8	25	14	43	<5	2
L98900E-46975N	<100	730	12	6.0	3.0	105	12	21	5	17
L98900E-46987.5N	<100	1970	36	17.8	9.1	24	38	65	<5	2
L98900E-47000N	<100	1900	27	12.5	8.4	99	33	110	<5	7
L98900E-47012.5N	<100	960	4	3.3	0.7	60	2	5	<5	1
L98900E-47025N	<100	1640	11	5.5	4.3	125	16	53	6	5
L98900E-47037.5N	<100	500	6	3.3	1.9	61	7	25	<5	2
L98900E-47050N	<100	620	26	10.8	8.7	42	32	168	<5	3
L98900E-47062.5N	<100	530	2	1.8	<0.5	80	<1	3	<5	2
L98900E-47087.5N	<100	410	7	3.8	1.8	44	7	13	<5	<1
L98900E-47112.5N	<100	8560	67	28.4	27.5	19	107	333	<5	3
L98900E-47125N	<100	1690	26	11.8	6.7	26	27	49	<5	<1
L98900E-47162.5N	<100	2900	47	18.6	17.1	13	64	219	<5	1
L98900E-47187.5N	<100	1050	16	7.9	4.1	12	15	36	<5	<1
L98900E-47200N	<100	460	9	4.7	2.2	20	8	19	<5	<1
L98900E-47212.5N	<100	940	8	4.7	1.4	64	6	9	<5	1
L98900E-47225N	<100	1190	47	18.3	21.9	9	84	388	<5	3
L98900E-47237.5N	<100	460	18	7.8	6.4	40	23	82	<5	1
L98900E-47250N	<100	530	22	8.6	9.6	19	35	177	<5	<1
L98900E-47262.5N	<100	580	18	7.8	7.4	16	27	109	<5	<1
L98900E-47287.5N	<100	750	31	12.9	12.7	14	44	205	<5	<1
L98900E-47300N	<100	440	20	8.1	8.5	9	29	105	<5	<1
L98900E-47312.5N	<100	310	20	9.2	8.1	16	29	108	<5	<1
L98900E-47325N	<100	520	4	2.6	0.9	45	3	8	<5	2
L98900E-47337.5N	<100	790	13	6.0	5.4	19	20	75	<5	<1
L98900E-47350N	<100	260	12	6.2	3.5	16	12	34	<5	<1
L98900E-47362.5N	<100	500	9	4.1	2.5	13	9	25	<5	<1
L98900E-47387.5N	<100	530	14	6.1	5.0	16	18	78	<5	<1
L98900E-47400N	<100	2060	18	9.3	4.1	41	17	32	<5	3
L98900E-47412.5N	<100	950	10	5.0	3.8	8	13	52	<5	<1
L98900E-47425N	<100	850	14	9.9	1.5	32	7	9	<5	3
L98900E-47137.5N	<100	4220	24	11.1	7.9	26	33	64	6	7
L98900E-47475N	<100	2270	13	5.6	4.4	193	17	55	<5	11
L98900E-47487.5N	100	780	69	32.2	28.1	56	117	423	13	18
L98900E-47500N	<100	700	30	14.4	10.7	71	45	88	<5	31
L98900E-47512.5N	<100	980	181	74.8	89.3	30	370	2120	<5	8
L98900E-4752N	<100	1180	3	2.8	0.7	130	2	8	<5	2
L98900E-47537.5N	<100	2150	6	3.2	1.6	45	6	12	<5	<1
L98900E-47550N	<100	1310	89	40.8	26.1	12	114	223	<5	6
L98900E-47562.5N	<100	1020	52	24.8	18.1	5	76	180	<5	36
L98900E-47575N	<100	1320	58	29.4	18.2	19	79	202	<5	36
L98900E-47600N	<100	720	4	2.3	1.5	104	6	15	<5	32
L98900E-47617.5N	<100	490	3	2.3	0.9	14	4	5	<5	41
L98900E-47637.5N	<100	410	<1	<0.5	<0.5	4	<1	<1	<5	45
L98800E-46400N	<100	180	6	3.2	2.2	24	9	28	<5	16
L98800E-46412.5N	<100	110	31	14.5	10.3	15	43	151	<5	8
L98800E-46425N	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
L98800E-46437.5N	<100	260	8	4.2	2.2	31	9	20	7	6

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L98800E-46450N	<100	410	15	7.9	5.4	66	22	65	8	33
L98800E-46462.5N	100	490	6	3.3	2.1	102	8	23	14	20
L98800E-46475N	<100	500	13	7.6	3.2	39	14	29	12	51
L98800E-46487.5N	<100	21900	58	29.2	27.9	10	120	464	<5	128
L98800E-46500N	<100	1650	15	7.2	6.9	8	29	72	<5	110
L98800E-46512.5N	<100	1340	9	4.7	3.8	6	17	33	<5	136
L98800E-46525N	<100	310	7	4.7	1.9	47	8	14	7	29
L98800E-46537.5N	<100	470	8	4.5	3.3	28	13	34	<5	59
L98800E-46550N	200	270	9	5.0	2.6	124	10	25	13	21
L98800E-46562.5N	<100	190	3	1.8	1.0	23	4	11	<5	13
L98800E-46575N	<100	240	2	1.2	0.8	40	3	10	<5	11
L98800E-46587.5N	<100	920	40	18.2	14.4	25	62	289	<5	12
L98800E-46600N	100	380	7	3.8	2.0	116	8	27	13	13
L98800E-46612.5	<100	170	6	3.0	1.8	13	6	27	<5	2
L98800E-46625N	<100	250	9	4.6	2.7	19	11	41	<5	7
L98800E-46637.5N	<100	160	4	1.9	1.1	24	4	17	<5	3
L98800E-46650N	<100	280	4	2.4	1.3	24	5	21	<5	9
L98800E-46662.5N	<100	1490	20	10.5	7.9	12	33	105	<5	39
L98800E-46675N	<100	290	5	2.7	1.6	21	5	15	<5	4
L98800E-46700N	<100	680	7	3.1	2.3	36	8	47	<5	7
L98800E-46712.5N	<100	390	8	3.9	2.7	64	11	45	<5	16
L98800E-46725N	<100	510	7	3.7	1.8	59	7	31	<5	4
L98800E-46737.5N	<100	410	6	2.6	1.7	15	7	28	<5	1
L98800E-46762.5N	<100	1000	44	24.7	10.6	19	44	103	<5	60
L98800E-46775N	<100	830	11	6.1	3.9	43	16	68	<5	29
L98800E-46787.5N	<100	480	6	2.8	1.9	35	7	39	<5	10
L98800E-46800N	<100	490	14	6.2	5.2	12	21	100	<5	9
L98800E-46812.5N	<100	500	23	11.4	8.1	17	33	146	<5	17
L98800E-46825N	<100	690	10	4.3	3.4	8	13	51	<5	2
L98800E-46850N	<100	290	4	2.1	1.4	54	5	21	<5	4
L98800E-46887.5N	<100	420	6	3.1	2.0	20	8	28	<5	12
L98800E-46900N	<100	970	21	9.2	6.7	7	26	83	<5	2
L98800E-47062.5N	<100	3480	110	57.7	34.6	65	151	373	<5	56
L98800E-47075N	<100	310	5	2.1	1.6	20	6	26	<5	2
L98800E-46950N	<100	360	3	1.8	1.1	9	4	12	<5	15
L98800E-46962.5N	<100	210	5	2.5	1.5	16	5	18	<5	3
L98800E-46975N	100	720	40	19.6	12.5	60	50	192	8	11
L98800E-46987.5N	<100	16400	34	18.8	14.3	31	63	334	<5	75
L98800E-47000N	<100	580	5	2.5	1.6	12	6	22	<5	1
L98800E-47012.5N	100	430	3	1.4	1.1	58	4	16	<5	1
L98800E-47025N	<100	670	4	2.4	1.4	65	5	16	8	11
L98800E-47100N	<100	320	3	1.6	1.0	41	3	19	10	3
L98800E-47112.5N	<100	180	3	1.4	1.1	13	4	17	<5	2
L98800E-47125N	<100	270	4	2.3	1.4	23	5	23	6	21
L98800E-47137.5	<100	350	13	5.8	4.6	11	18	89	<5	1
L98800E-47150N	<100	290	3	1.6	1.0	18	3	16	<5	5
L98800E-47162.5N	<100	270	10	5.0	3.6	18	14	63	<5	12
L98800E-47175N	<100	250	13	7.0	4.3	8	18	54	<5	44

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L98800E-47200N	200	370	10	4.6	3.5	105	14	67	24	13
L98800E-47212.5N	<100	170	5	2.4	1.8	26	6	27	11	6
L98800E-47225N	<100	420	14	6.1	5.8	17	24	114	<5	2
L98800E-47237.5N	<100	690	30	13.4	12.1	26	50	219	5	10
L98800E-47337.5N	<100	660	5	2.8	1.5	67	6	24	13	8
L98800E-47350N	<100	1090	5	2.3	2.1	2	9	23	<5	78
L98800E-47362.5N	<100	400	4	1.8	1.2	42	4	15	9	3
L98800E-47375N	<100	350	5	2.5	1.8	20	6	22	10	3
L98800E-47387.5N	<100	1010	11	5.1	4.4	15	18	72	<5	59
L98800E-47400N	<100	730	10	5.4	3.8	8	17	47	<5	117
L98800E-47462.5N	<100	1610	16	7.8	6.1	70	24	61	8	50
L98800E-47475N	100	1370	35	15.0	14.9	68	59	284	12	31
L98800E-47487.5N	<100	770	10	5.3	3.1	88	11	30	15	10
L98800E-47500N	<100	3380	12	5.7	3.8	37	15	42	11	16
L98800E-47512.5N	<100	4180	31	13.0	14.7	48	58	191	12	29
L98800E-47525N	100	4640	35	14.4	14.5	78	56	469	6	13
L98800E-47537.5N	<100	11400	66	28.4	28.7	73	116	1060	5	9
L98800E-47550N	100	10800	42	17.0	16.9	86	66	463	6	12
L98800E-47562.5N	100	6360	26	11.0	10.6	103	39	248	6	9
L98800E-47575N	200	4410	22	9.9	8.6	202	33	253	7	15
L98800E-47587.5N	<100	2120	<1	<0.5	<0.5	8	2	4	5	42
L98800E-47600N	100	1780	18	7.1	7.4	116	27	182	8	15
L98800E-47625N	<100	1390	3	1.9	0.8	29	4	6	8	59
L98800E-47650N	<100	880	4	1.9	1.8	76	7	29	<5	35
L98800E-47662.5N	<100	170	12	4.6	5.7	33	22	159	12	16
L98800E-47675N	<100	2560	6	2.5	3.0	4	12	35	<5	43
L98800E-47687.5N	<100	770	8	4.3	2.4	43	10	16	6	35
L98800E-47700N	<100	1500	11	5.5	4.4	5	21	49	9	82
L98800E-46762.5N-A	<100	520	67	31.0	27.2	21	119	528	<5	26
L98800E-46912.5N	100	1030	10	5.7	1.6	55	7	9	<5	7
*Dup L98900E-46962.5N	<100	1000	12	5.5	4.3	31	14	45	7	2
*Dup L98900E-47162.5N	<100	3320	45	17.8	15.9	17	59	209	<5	1
*Dup L98900E-47337.5N	<100	1220	15	7.2	4.5	19	18	55	<5	<1
*Dup L98900E-4752N	<100	1450	4	3.3	0.9	157	3	9	<5	4
*Dup L98800E-46450N	<100	400	20	10.0	7.9	40	31	91	9	35
*Dup L98800E-46600N	100	370	7	3.7	1.9	111	7	25	13	13
*Dup L98800E-46775N	<100	760	15	7.7	5.7	51	23	87	8	29
*Dup L98800E-46975N	200	680	42	20.0	12.9	58	51	196	11	11
*Dup L98800E-47200N	100	420	10	4.3	3.0	94	11	54	15	12
*Dup L98800E-47487.5N	<100	690	10	4.4	3.8	104	13	43	16	11
*Dup L98800E-47662.5N	<100	200	13	5.2	5.9	35	23	137	8	20
*Std MMISRM14	<100	710	2	1.0	1.0	2	4	7	<5	33
*Std MMISRM14	<100	840	1	0.6	0.8	1	3	3	<5	36
*Std MMISRM14	<100	780	1	0.6	0.7	1	3	3	<5	35
*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
*Blk BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98900E-46962.5N	<5	2.1	59	301	1240	<1	13	74	2	24
L98900E-46975N	<5	2.1	38	215	1470	<1	8	37	2	20
L98900E-46987.5N	<5	0.6	142	367	3690	<1	29	45	1	33
L98900E-47000N	<5	<0.5	139	434	500	<1	33	33	1	50
L98900E-47012.5N	<5	2.5	7	306	2750	<1	1	58	3	21
L98900E-47025N	<5	1.9	70	274	1220	<1	16	58	2	23
L98900E-47037.5N	<5	2.7	27	367	730	<1	6	48	3	20
L98900E-47050N	<5	4.5	150	198	1130	<1	37	115	1	52
L98900E-47062.5N	<5	2.5	3	215	260	<1	<1	70	1	18
L98900E-47087.5N	<5	1.8	22	206	1320	<1	5	79	1	27
L98900E-47112.5N	<5	1.3	515	330	11100	<1	115	85	2	88
L98900E-47125N	<5	1.2	88	247	700	<1	19	124	<1	36
L98900E-47162.5N	<5	0.9	287	135	1290	<1	67	133	1	56
L98900E-47187.5N	<5	<0.5	59	234	2140	<1	13	87	1	28
L98900E-47200N	<5	0.7	31	218	1200	<1	7	97	2	26
L98900E-47212.5N	<5	1.8	15	331	1330	<1	3	58	4	24
L98900E-47225N	<5	0.7	465	284	1000	<1	112	123	2	53
L98900E-47237.5N	<5	2.0	112	259	1400	<1	25	93	3	33
L98900E-47250N	<5	1.4	192	142	760	<1	48	62	<1	30
L98900E-47262.5N	<5	0.7	137	97	1400	<1	32	60	1	25
L98900E-47287.5N	<5	1.0	227	64	880	<1	57	65	1	53
L98900E-47300N	<5	<0.5	147	82	760	<1	35	49	1	39
L98900E-47312.5N	<5	0.7	148	131	830	<1	34	57	1	32
L98900E-47325N	<5	1.0	10	200	730	<1	2	103	2	20
L98900E-47337.5N	<5	0.8	104	247	1370	<1	24	60	2	25
L98900E-47350N	<5	0.7	52	131	690	<1	12	47	<1	24
L98900E-47362.5N	<5	<0.5	37	159	640	<1	8	75	2	21
L98900E-47387.5N	<5	0.9	86	238	650	<1	20	125	2	31
L98900E-47400N	<5	2.0	55	350	1950	<1	11	137	3	29
L98900E-47412.5N	<5	<0.5	68	86	780	<1	16	107	1	18
L98900E-47425N	<5	0.9	17	496	1550	<1	3	160	2	32
L98900E-47137.5N	<5	1.5	117	471	1170	<1	24	50	2	26
L98900E-47475N	6	2.7	74	425	760	<1	17	76	4	28
L98900E-47487.5N	<5	4.3	622	314	640	<1	140	150	2	80
L98900E-47500N	<5	1.4	181	460	600	<1	36	114	2	31
L98900E-47512.5N	<5	1.4	2280	156	770	<1	564	185	3	157
L98900E-4752N	<5	3.3	8	292	280	<1	2	93	3	20
L98900E-47537.5N	<5	0.9	20	205	270	<1	4	71	3	23
L98900E-47550N	<5	<0.5	472	418	630	<1	96	47	1	49
L98900E-47562.5N	<5	<0.5	325	343	340	<1	69	32	<1	31
L98900E-47575N	<5	<0.5	307	477	390	<1	68	45	1	59
L98900E-47600N	<5	<0.5	25	212	120	<1	5	13	4	7
L98900E-47617.5N	5	<0.5	10	107	100	<1	2	7	6	<5
L98900E-47637.5N	<5	<0.5	1	183	140	<1	<1	10	1	<5
L98800E-46400N	<5	1.0	38	266	380	<1	8	93	1	11
L98800E-46412.5N	<5	1.1	193	80	680	<1	45	100	<1	28
L98800E-46425N	<5	0.7	<1	<5	<10	<1	<1	<5	<1	<5
L98800E-46437.5N	<5	2.9	29	266	570	<1	6	70	2	17

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98800E-46450N	<5	3.6	96	393	1210	<1	21	111	1	26
L98800E-46462.5N	<5	4.9	33	494	1000	<1	7	83	3	23
L98800E-46475N	<5	1.6	45	623	490	<1	9	186	2	28
L98800E-46487.5N	<5	<0.5	623	678	630	<1	134	66	<1	37
L98800E-46500N	<5	<0.5	119	350	170	<1	24	63	<1	9
L98800E-46512.5N	<5	<0.5	60	482	600	<1	11	69	<1	<5
L98800E-46525N	<5	1.8	24	275	1540	<1	5	60	<1	12
L98800E-46537.5N	<5	0.7	56	373	960	<1	12	101	<1	7
L98800E-46550N	<5	5.6	35	367	540	<1	8	176	1	33
L98800E-46562.5N	<5	0.7	14	216	1310	<1	3	58	<1	8
L98800E-46575N	<5	1.3	11	256	480	<1	3	63	1	11
L98800E-46587.5N	<5	1.1	344	296	770	<1	82	76	<1	37
L98800E-46600N	<5	8.1	30	427	1400	<1	8	155	<1	19
L98800E-46612.5	<5	0.7	29	153	960	<1	7	56	<1	12
L98800E-46625N	<5	1.0	50	244	1070	<1	11	108	1	13
L98800E-46637.5N	<5	1.0	17	186	780	<1	4	44	1	11
L98800E-46650N	<5	1.0	21	318	1420	<1	5	135	2	12
L98800E-46662.5N	<5	<0.5	150	178	650	<1	31	112	<1	13
L98800E-46675N	<5	0.9	20	152	1380	<1	4	43	1	10
L98800E-46700N	<5	1.7	42	261	320	<1	11	60	1	13
L98800E-46712.5N	<5	1.4	55	233	5180	<1	13	29	1	12
L98800E-46725N	<5	2.4	33	232	980	<1	8	98	3	40
L98800E-46737.5N	<5	0.8	28	307	880	<1	7	92	1	28
L98800E-46762.5N	<5	<0.5	175	623	980	<1	37	123	<1	100
L98800E-46775N	<5	0.7	79	398	670	<1	19	119	2	32
L98800E-46787.5N	<5	1.3	34	300	990	<1	8	94	2	26
L98800E-46800N	<5	0.8	113	236	1210	<1	27	102	2	28
L98800E-46812.5N	<5	1.0	170	163	580	<1	40	45	1	43
L98800E-46825N	<5	0.7	63	128	660	<1	15	61	1	22
L98800E-46850N	<5	2.3	23	305	350	<1	5	76	2	22
L98800E-46887.5N	<5	0.7	34	253	410	<1	8	44	1	19
L98800E-46900N	<5	0.5	112	147	510	<1	26	74	1	39
L98800E-47062.5N	<5	0.9	584	655	520	<1	125	117	2	73
L98800E-47075N	<5	0.9	27	176	470	<1	6	96	1	17
L98800E-46950N	<5	<0.5	14	243	610	<1	3	86	2	13
L98800E-46962.5N	<5	0.7	21	193	350	<1	5	49	2	17
L98800E-46975N	<5	3.7	237	202	1330	<1	61	131	<1	66
L98800E-46987.5N	<5	0.6	358	272	100	<1	83	33	6	29
L98800E-47000N	<5	<0.5	24	178	750	<1	6	38	<1	23
L98800E-47012.5N	<5	1.4	16	147	210	<1	4	43	2	24
L98800E-47025N	<5	1.7	20	277	2210	<1	5	48	2	22
L98800E-47100N	<5	1.7	16	329	1130	<1	4	80	1	15
L98800E-47112.5N	<5	0.7	16	112	880	<1	4	56	1	13
L98800E-47125N	<5	1.1	23	217	2180	<1	5	114	2	16
L98800E-47137.5	<5	1.4	99	131	2070	<1	24	73	1	22
L98800E-47150N	<5	1.1	16	252	350	<1	4	45	1	13
L98800E-47162.5N	<5	0.8	74	786	790	<1	17	76	4	18
L98800E-47175N	<5	<0.5	84	204	1220	<1	18	140	2	17

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98800E-47200N	5	7.1	65	323	4950	<1	17	146	3	28
L98800E-47212.5N	<5	1.4	30	307	530	<1	7	82	2	19
L98800E-47225N	<5	1.1	133	114	1140	<1	32	61	2	26
L98800E-47237.5N	<5	1.0	266	461	1720	<1	63	83	2	34
L98800E-47337.5N	<5	1.8	28	546	710	<1	7	64	3	18
L98800E-473E0N	<5	<0.5	38	130	30	<1	7	29	1	6
L98800E-47362.5N	<5	1.4	17	282	620	<1	4	42	2	15
L98800E-47375N	<5	0.7	26	200	910	<1	6	45	1	15
L98800E-47387.5N	<5	<0.5	94	396	600	<1	21	59	2	11
L98800E-47400N	<5	<0.5	68	460	360	<1	15	56	1	9
L98800E-47462.5N	<5	0.8	111	462	1450	<1	24	22	2	24
L98800E-47475N	<5	3.2	346	595	790	<1	83	93	4	61
L98800E-47487.5N	<5	2.8	46	364	970	<1	10	67	1	25
L98800E-47500N	<5	2.4	66	260	730	<1	14	112	1	40
L98800E-47512.5N	6	2.7	301	517	850	<1	67	66	6	43
L98800E-47525N	5	5.6	368	290	780	<1	97	125	6	93
L98800E-47537.5N	<5	5.4	796	310	780	<1	210	89	5	125
L98800E-47550N	5	5.8	419	530	1210	<1	108	113	11	102
L98800E-47562.5N	7	5.1	237	457	1040	<1	61	196	12	87
L98800E-47575N	7	10.0	219	645	1450	<1	58	86	11	77
L98800E-47587.5N	<5	<0.5	7	351	350	<1	1	17	<1	5
L98800E-47600N	6	8.0	173	380	600	<1	45	36	6	74
L98800E-47625N	6	<0.5	11	200	620	<1	2	14	<1	8
L98800E-47650N	<5	0.9	39	338	240	<1	9	26	2	14
L98800E-47662.5N	<5	3.7	142	152	120	<1	37	65	<1	25
L98800E-47675N	<5	<0.5	61	699	80	<1	12	75	2	11
L98800E-47687.5N	<5	0.6	35	487	960	<1	7	30	1	23
L98800E-47700N	9	<0.5	81	655	70	<1	16	43	1	11
L98800E-46762.5N-A	<5	0.8	651	399	3210	<1	153	176	2	103
L98800E-46912.5N	<5	2.6	16	464	1160	<1	3	176	3	30
*Dup L98900E-46962.5N	<5	2.2	62	425	1720	<1	14	80	2	28
*Dup L98900E-47162.5N	<5	1.5	266	165	1200	<1	63	133	1	73
*Dup L98900E-47337.5N	<5	0.8	84	342	1770	<1	19	70	2	34
*Dup L98900E-4752N	5	4.7	11	358	360	<1	2	104	4	28
*Dup L98800E-46450N	<5	2.8	129	375	810	<1	29	89	<1	38
*Dup L98800E-46600N	<5	7.0	30	404	1390	<1	7	148	<1	19
*Dup L98800E-46775N	<5	1.0	112	412	1080	<1	26	115	2	31
*Dup L98800E-46975N	<5	3.6	247	200	1440	<1	64	134	2	68
*Dup L98800E-47200N	<5	5.0	52	322	4590	<1	14	149	2	25
*Dup L98800E-47487.5N	<5	4.0	68	364	770	<1	16	61	2	27
*Dup L98800E-47662.5N	<5	2.8	142	159	190	<1	36	66	<1	23
*Std MMISRM14	30	<0.5	15	248	120	35	3	269	<1	7
*Std MMISRM14	37	<0.5	11	284	80	39	2	283	1	11
*Std MMISRM14	34	<0.5	9	260	70	37	2	270	<1	7
*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
*Blk BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98900E-46962.5N	12	<1	30	2	2	<10	10.0	525	<0.5	3
L98900E-46975N	10	<1	130	<1	2	<10	9.3	536	<0.5	5
L98900E-46987.5N	32	<1	20	<1	6	<10	9.7	161	<0.5	5
L98900E-47000N	31	<1	110	<1	5	<10	14.0	52	<0.5	12
L98900E-47012.5N	2	<1	10	<1	<1	<10	7.3	843	<0.5	3
L98900E-47025N	15	<1	50	<1	2	<10	9.2	929	<0.5	3
L98900E-47037.5N	6	<1	20	<1	1	<10	7.7	1420	<0.5	2
L98900E-47050N	30	<1	50	<1	5	<10	30.7	2440	<0.5	4
L98900E-47062.5N	<1	<1	30	<1	<1	<10	4.0	1210	<0.5	1
L98900E-47087.5N	5	<1	<10	<1	1	<10	13.2	894	<0.5	4
L98900E-47112.5N	109	<1	20	<1	13	<10	41.7	425	<0.5	12
L98900E-47125N	22	<1	<10	<1	4	<10	12.0	575	<0.5	6
L98900E-47162.5N	62	<1	<10	<1	9	<10	26.7	343	<0.5	9
L98900E-47187.5N	13	<1	<10	<1	3	<10	9.3	146	<0.5	4
L98900E-47200N	7	<1	<10	<1	1	<10	10.7	163	<0.5	5
L98900E-47212.5N	4	<1	<10	<1	1	<10	14.6	706	<0.5	4
L98900E-47225N	90	<1	70	<1	10	<10	24.1	330	<0.5	8
L98900E-47237.5N	23	<1	20	<1	3	<10	18.6	797	<0.5	4
L98900E-47250N	37	<1	20	<1	5	<10	21.7	684	<0.5	6
L98900E-47262.5N	27	<1	<10	<1	3	<10	15.0	238	<0.5	4
L98900E-47287.5N	46	<1	<10	<1	6	<10	13.7	454	<0.5	5
L98900E-47300N	30	<1	<10	<1	4	<10	7.1	198	<0.5	4
L98900E-47312.5N	30	<1	<10	<1	4	<10	13.5	278	<0.5	5
L98900E-47325N	2	<1	30	<1	<1	<10	8.5	285	<0.5	3
L98900E-47337.5N	20	<1	10	<1	3	<10	13.4	252	<0.5	3
L98900E-47350N	11	<1	<10	<1	2	<10	7.3	277	<0.5	3
L98900E-47362.5N	8	<1	<10	<1	1	<10	6.0	64	<0.5	4
L98900E-47387.5N	17	<1	<10	<1	2	<10	11.4	433	<0.5	4
L98900E-47400N	14	<1	80	<1	3	<10	16.8	828	<0.5	7
L98900E-47412.5N	14	<1	<10	<1	2	<10	7.0	58	<0.5	4
L98900E-47425N	5	<1	30	<1	2	<10	15.1	294	<0.5	3
L98900E-47137.5N	28	<1	100	<1	4	<10	15.8	518	<0.5	6
L98900E-47475N	17	<1	80	<1	2	<10	27.0	1030	<0.5	6
L98900E-47487.5N	118	<1	130	<1	14	<10	56.7	1590	<0.5	22
L98900E-47500N	41	<1	180	<1	6	<10	20.2	640	<0.5	10
L98900E-47512.5N	394	<1	90	<1	41	<10	80.9	495	0.9	24
L98900E-4752N	2	<1	10	<1	<1	<10	6.7	1440	<0.5	4
L98900E-47537.5N	5	<1	<10	<1	<1	<10	5.1	339	<0.5	2
L98900E-47550N	102	<1	40	<1	16	<10	21.4	42	<0.5	18
L98900E-47562.5N	72	<1	190	<1	10	<10	9.7	6	<0.5	31
L98900E-47575N	70	<1	170	<1	11	<10	15.8	36	0.5	38
L98900E-47600N	5	<1	180	<1	<1	<10	1.2	11	<0.5	3
L98900E-47617.5N	3	<1	240	<1	<1	<10	0.5	<3	<0.5	2
L98900E-47637.5N	<1	<1	230	<1	<1	<10	<0.5	<3	<0.5	<1
L98800E-46400N	8	<1	190	<1	1	<10	6.8	358	<0.5	3
L98800E-46412.5N	40	<1	110	<1	6	<10	22.8	362	<0.5	14
L98800E-46425N	<1	<1	<10	1	<1	<10	0.6	<3	<0.5	<1
L98800E-46437.5N	7	<1	90	1	1	<10	15.9	864	<0.5	4

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98800E-46450N	21	<1	150	1	3	<10	20.0	1250	<0.5	4
L98800E-46462.5N	8	<1	120	1	1	<10	17.1	1850	<0.5	4
L98800E-46475N	11	<1	140	<1	2	<10	21.6	266	<0.5	7
L98800E-46487.5N	114	<1	440	<1	13	<10	30.0	20	<0.5	14
L98800E-46500N	26	<1	300	<1	3	<10	8.4	27	<0.5	4
L98800E-46512.5N	14	<1	280	<1	2	<10	6.2	6	<0.5	3
L98800E-46525N	6	<1	180	<1	1	<10	8.0	702	<0.5	4
L98800E-46537.5N	13	<1	240	<1	2	<10	6.5	121	<0.5	6
L98800E-46550N	8	<1	180	<1	1	<10	16.8	2640	<0.5	7
L98800E-46562.5N	3	<1	100	<1	<1	<10	6.0	257	<0.5	1
L98800E-46575N	2	<1	110	<1	<1	<10	4.1	546	<0.5	1
L98800E-46587.5N	64	<1	140	<1	8	<10	29.7	227	<0.5	7
L98800E-46600N	7	1	140	4	1	<10	14.8	2670	<0.5	3
L98800E-46612.5	6	<1	30	<1	1	<10	7.0	309	<0.5	2
L98800E-46625N	10	<1	100	<1	2	<10	10.0	403	<0.5	5
L98800E-46637.5N	4	<1	60	<1	<1	<10	7.2	445	<0.5	2
L98800E-46650N	5	<1	110	<1	<1	<10	9.6	446	<0.5	3
L98800E-46662.5N	31	<1	490	<1	4	<10	9.4	82	<0.5	7
L98800E-46675N	5	<1	80	<1	<1	<10	4.9	256	<0.5	1
L98800E-46700N	8	<1	70	<1	1	<10	9.6	690	<0.5	4
L98800E-46712.5N	11	<1	120	<1	1	<10	10.8	367	<0.5	2
L98800E-46725N	7	2	50	1	1	<10	20.5	846	<0.5	2
L98800E-46737.5N	6	<1	40	<1	<1	<10	13.9	147	<0.5	3
L98800E-46762.5N	40	<1	410	<1	7	<10	47.5	57	<0.5	9
L98800E-46775N	15	<1	260	<1	2	<10	12.2	157	<0.5	5
L98800E-46787.5N	7	1	130	<1	1	<10	11.3	432	0.6	2
L98800E-46800N	22	<1	90	<1	3	<10	25.1	131	<0.5	3
L98800E-46812.5N	33	<1	100	<1	4	<10	20.3	334	<0.5	3
L98800E-46825N	13	<1	40	<1	2	<10	16.9	164	<0.5	2
L98800E-46850N	5	1	50	<1	<1	<10	10.4	776	<0.5	2
L98800E-46887.5N	7	<1	120	<1	1	<10	9.9	223	<0.5	2
L98800E-46900N	25	<1	60	<1	4	<10	26.0	123	<0.5	6
L98800E-47062.5N	133	<1	360	<1	19	<10	35.2	239	0.5	13
L98800E-47075N	6	<1	50	<1	<1	<10	10.3	280	<0.5	2
L98800E-46950N	3	<1	140	<1	<1	<10	11.8	112	<0.5	3
L98800E-46962.5N	5	<1	40	<1	<1	<10	9.4	224	<0.5	2
L98800E-46975N	51	<1	90	3	8	<10	51.9	1220	0.6	11
L98800E-46987.5N	61	<1	330	<1	7	<10	9.4	24	<0.5	58
L98800E-47000N	5	<1	20	<1	<1	<10	8.1	100	<0.5	4
L98800E-47012.5N	3	<1	20	<1	<1	<10	11.0	235	<0.5	3
L98800E-47025N	4	<1	110	<1	<1	<10	10.0	515	<0.5	2
L98800E-47100N	3	<1	60	<1	<1	<10	6.5	583	<0.5	2
L98800E-47112.5N	3	<1	30	<1	<1	<10	5.0	220	<0.5	1
L98800E-47125N	5	<1	120	<1	<1	<10	9.0	329	<0.5	2
L98800E-47137.5	18	<1	20	2	2	<10	11.7	168	<0.5	3
L98800E-47150N	3	<1	50	<1	<1	<10	4.9	330	<0.5	2
L98800E-47162.5N	14	<1	90	<1	2	<10	9.6	161	<0.5	4
L98800E-47175N	17	<1	280	<1	2	<10	16.6	43	<0.5	5

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98800E-47200N	14	1	170	3	2	<10	22.9	3190	<0.5	6
L98800E-47212.5N	6	<1	70	<1	<1	<10	8.5	470	<0.5	2
L98800E-47225N	25	<1	40	<1	3	<10	18.6	417	<0.5	4
L98800E-47237.5N	50	<1	100	<1	6	<10	23.2	318	<0.5	6
L98800E-47337.5N	6	<1	100	<1	<1	<10	9.0	468	<0.5	2
L98800E-47350N	8	<1	240	<1	<1	<10	2.0	14	<0.5	3
L98800E-47362.5N	4	<1	50	<1	<1	<10	6.9	390	<0.5	1
L98800E-47375N	6	<1	50	<1	<1	<10	8.1	147	<0.5	2
L98800E-47387.5N	18	<1	240	<1	2	<10	6.6	36	<0.5	7
L98800E-47400N	15	<1	350	<1	2	<10	4.0	6	<0.5	10
L98800E-47462.5N	24	<1	210	<1	3	<10	14.2	150	<0.5	22
L98800E-47475N	64	<1	150	<1	7	<10	72.9	815	0.5	7
L98800E-47487.5N	10	<1	120	<1	2	<10	10.2	814	<0.5	3
L98800E-47500N	14	<1	110	<1	2	<10	24.1	798	<0.5	5
L98800E-47512.5N	59	6	180	<1	7	<10	60.6	541	<0.5	14
L98800E-47525N	63	9	90	<1	7	<10	127	1230	0.7	14
L98800E-47537.5N	127	8	120	<1	14	<10	105	1450	0.7	16
L98800E-47550N	75	7	130	<1	8	<10	115	1330	0.6	18
L98800E-47562.5N	44	15	110	<1	5	<10	130	1180	1.1	17
L98800E-47575N	38	10	170	<1	4	<10	103	1840	0.6	13
L98800E-47587.5N	1	<1	240	<1	<1	<10	2.9	44	<0.5	<1
L98800E-47600N	31	2	280	<1	4	<10	97.8	1390	<0.5	12
L98800E-47625N	3	<1	210	<1	<1	<10	1.4	12	<0.5	10
L98800E-47650N	7	<1	150	<1	<1	<10	5.3	227	<0.5	10
L98800E-47662.5N	23	<1	90	<1	3	<10	12.4	1520	<0.5	3
L98800E-47675N	12	<1	270	<1	1	<10	4.4	50	<0.5	2
L98800E-47687.5N	9	<1	210	<1	1	<10	7.5	134	<0.5	9
L98800E-47700N	17	<1	340	<1	2	<10	3.7	<3	<0.5	10
L98800E-46762.5N-A	120	<1	220	<1	14	<10	46.1	214	<0.5	12
L98800E-46912.5N	5	1	160	3	2	<10	19.9	563	0.5	5
*Dup L98900E-46962.5N	14	<1	30	<1	2	<10	12.4	866	<0.5	4
*Dup L98900E-47162.5N	58	<1	10	<1	8	<10	33.5	522	<0.5	9
*Dup L98900E-47337.5N	17	<1	20	<1	3	<10	15.7	225	<0.5	4
*Dup L98900E-4752N	3	2	20	<1	<1	<10	10.5	2090	<0.5	5
*Dup L98800E-46450N	31	<1	150	<1	4	<10	17.9	906	<0.5	4
*Dup L98800E-46600N	7	1	140	3	1	<10	14.5	2690	<0.5	3
*Dup L98800E-46775N	22	<1	240	<1	3	<10	13.0	245	<0.5	5
*Dup L98800E-46975N	53	<1	90	2	8	<10	52.5	1220	0.6	12
*Dup L98800E-47200N	12	<1	170	2	2	<10	19.6	2170	<0.5	5
*Dup L98800E-47487.5N	13	<1	130	<1	2	<10	15.0	1240	<0.5	4
*Dup L98800E-47662.5N	24	<1	110	<1	3	<10	14.3	1200	<0.5	3
*Std MMISRM14	4	<1	470	<1	<1	<10	13.7	<3	<0.5	34
*Std MMISRM14	3	<1	510	<1	<1	<10	16.6	<3	<0.5	35
*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
*Blk BLANK	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98900E-46962.5N	4	48	4	580	22
L98900E-46975N	<1	53	5	750	14
L98900E-46987.5N	<1	182	12	1460	12
L98900E-47000N	<1	130	10	410	16
L98900E-47012.5N	<1	21	3	810	16
L98900E-47025N	<1	52	4	290	20
L98900E-47037.5N	<1	32	3	850	20
L98900E-47050N	<1	106	8	720	51
L98900E-47062.5N	<1	9	3	640	12
L98900E-47087.5N	<1	31	3	350	25
L98900E-47112.5N	<1	275	21	2460	62
L98900E-47125N	<1	118	8	470	22
L98900E-47162.5N	<1	178	13	1070	35
L98900E-47187.5N	<1	72	6	630	16
L98900E-47200N	<1	40	4	810	19
L98900E-47212.5N	<1	38	4	1300	24
L98900E-47225N	<1	194	12	210	34
L98900E-47237.5N	<1	81	6	270	28
L98900E-47250N	<1	89	6	110	29
L98900E-47262.5N	<1	83	6	100	20
L98900E-47287.5N	<1	115	10	180	24
L98900E-47300N	<1	75	7	170	11
L98900E-47312.5N	<1	88	7	60	19
L98900E-47325N	<1	17	3	380	14
L98900E-47337.5N	<1	64	4	410	18
L98900E-47350N	<1	58	5	310	10
L98900E-47362.5N	<1	38	3	290	12
L98900E-47387.5N	<1	62	5	150	22
L98900E-47400N	<1	81	7	1970	29
L98900E-47412.5N	<1	50	4	220	11
L98900E-47425N	<1	66	9	3460	19
L98900E-47137.5N	<1	117	8	1300	20
L98900E-47475N	<1	50	4	540	39
L98900E-47487.5N	<1	348	25	170	70
L98900E-47500N	<1	146	11	850	20
L98900E-47512.5N	<1	874	53	120	90
L98900E-4752N	<1	17	3	670	21
L98900E-47537.5N	<1	30	2	480	11
L98900E-47550N	<1	458	27	30	12
L98900E-47562.5N	<1	276	17	40	9
L98900E-47575N	<1	305	21	110	11
L98900E-47600N	<1	27	2	280	<5
L98900E-47617.5N	<1	22	2	50	<5
L98900E-47637.5N	<1	<5	<1	700	<5
L98800E-46400N	<1	31	2	170	12
L98800E-46412.5N	<1	159	11	210	20
L98800E-46425N	3	<5	<1	90	<5
L98800E-46437.5N	3	32	3	540	17

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98800E-46450N	2	76	7	980	19
L98800E-46462.5N	2	27	3	2180	21
L98800E-46475N	<1	66	6	6120	15
L98800E-46487.5N	<1	331	24	14900	31
L98800E-46500N	<1	80	6	860	9
L98800E-46512.5N	<1	51	4	1580	<5
L98800E-46525N	<1	37	4	2870	9
L98800E-46537.5N	<1	42	4	1320	<5
L98800E-46550N	<1	39	4	3810	23
L98800E-46562.5N	<1	16	2	1800	11
L98800E-46575N	<1	11	1	840	13
L98800E-46587.5N	<1	190	13	520	42
L98800E-46600N	3	36	3	1220	42
L98800E-46612.5	<1	28	2	480	13
L98800E-46625N	<1	41	4	790	14
L98800E-46637.5N	<1	17	2	460	17
L98800E-46650N	<1	21	2	560	18
L98800E-46662.5N	<1	115	8	200	11
L98800E-46675N	<1	23	2	670	9
L98800E-46700N	<1	28	2	460	12
L98800E-46712.5N	<1	36	3	1140	14
L98800E-46725N	2	31	3	1830	24
L98800E-46737.5N	1	25	2	850	20
L98800E-46762.5N	1	197	20	2780	28
L98800E-46775N	<1	63	5	440	14
L98800E-46787.5N	<1	27	2	1250	18
L98800E-46800N	<1	62	5	770	32
L98800E-46812.5N	<1	123	9	290	26
L98800E-46825N	<1	43	3	120	19
L98800E-46850N	<1	19	2	1280	19
L98800E-46887.5N	<1	32	2	90	11
L98800E-46900N	<1	87	7	370	25
L98800E-47062.5N	<1	669	44	150	32
L98800E-47075N	<1	22	2	120	17
L98800E-46950N	<1	15	1	2070	13
L98800E-46962.5N	<1	23	2	240	13
L98800E-46975N	2	217	15	300	88
L98800E-46987.5N	<1	244	16	20	21
L98800E-47000N	<1	23	2	390	12
L98800E-47012.5N	<1	11	1	300	22
L98800E-47025N	<1	21	2	2910	13
L98800E-47100N	<1	15	1	1080	12
L98800E-47112.5N	<1	13	1	300	6
L98800E-47125N	<1	21	2	450	10
L98800E-47137.5	5	64	4	90	15
L98800E-47150N	1	14	1	220	8
L98800E-47162.5N	<1	53	4	640	9
L98800E-47175N	<1	72	6	180	13

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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
L98800E-47200N	2	49	4	510	59
L98800E-47212.5N	<1	25	2	190	14
L98800E-47225N	<1	62	4	40	25
L98800E-47237.5N	<1	141	9	190	19
L98800E-47337.5N	<1	25	2	340	13
L98800E-47350N	<1	31	2	60	<5
L98800E-47362.5N	<1	17	1	230	10
L98800E-47375N	<1	23	2	30	10
L98800E-47387.5N	4	57	4	1500	8
L98800E-47400N	<1	62	4	850	<5
L98800E-47462.5N	<1	81	6	1480	13
L98800E-47475N	<1	156	12	520	109
L98800E-47487.5N	<1	51	4	270	18
L98800E-47500N	<1	57	5	110	25
L98800E-47512.5N	1	143	10	600	51
L98800E-47525N	1	137	12	70	126
L98800E-47537.5N	2	311	21	250	106
L98800E-47550N	2	157	13	260	126
L98800E-47562.5N	2	93	9	680	136
L98800E-47575N	2	88	8	1690	101
L98800E-47587.5N	<1	<5	<1	310	<5
L98800E-47600N	2	57	5	1030	88
L98800E-47625N	<1	17	2	4560	6
L98800E-47650N	<1	19	1	100	5
L98800E-47662.5N	<1	52	3	150	22
L98800E-47675N	<1	34	2	220	6
L98800E-47687.5N	<1	42	3	2910	8
L98800E-47700N	<1	83	4	120	<5
L98800E-46762.5N-A	<1	377	22	420	35
L98800E-46912.5N	4	56	4	3530	32
*Dup L98900E-46962.5N	<1	56	4	800	24
*Dup L98900E-47162.5N	<1	169	12	1230	35
*Dup L98900E-47337.5N	<1	72	5	530	16
*Dup L98900E-4752N	<1	22	3	790	27
*Dup L98800E-46450N	<1	114	8	760	25
*Dup L98800E-46600N	2	35	3	1220	43
*Dup L98800E-46775N	<1	89	6	510	21
*Dup L98800E-46975N	2	226	15	240	88
*Dup L98800E-47200N	2	45	3	460	53
*Dup L98800E-47487.5N	<1	43	4	320	25
*Dup L98800E-47662.5N	<1	58	4	150	21
*Std MMISRM14	<1	10	<1	380	9
*Std MMISRM14	<1	7	<1	360	7
*Std MMISRM14	<1	6	<1	350	10
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	<1	<5	<1	<20	<5
*Bik BLANK	N.A.	N.A.	N.A.	N.A.	N.A.

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Certificate of Analysis

Work Order: 093394

To: **Geotronics Consulting Inc.**

Date: Jun 26, 2007

Attn: David G. Mark
6204 - 125th Street
SURREY
BC V3X 2E1

P.O. No. : COBALT GRID ONE
Project No. : DEFAULT
No. Of Samples 90
Date Submitted May 29, 2007
Report Comprises Pages 1 to 16
(Inclusive of Cover Sheet)

Distribution of unused material:

90 Soils

Certified By

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = 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

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SGS Canada Inc. Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t(416) 445-5755 f(416) 445-4152 www.sgs.ca

Member of the SGS Group (Société Générale de Surveillance)



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
L99000E-47175N	52	182	70	0.3	1230	1	310	39	748	87
L99000E-47187.5N	26	168	40	0.1	680	2	130	34	88	178
L99000E-47200N	46	145	50	0.2	740	<1	90	11	714	49
L99000E-47225N	36	159	90	0.2	1300	1	140	14	286	65
L99000E-47237.5N	56	180	50	0.2	980	<1	70	11	173	56
L99000E-47075N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47087.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47100N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47112.5N	44	59	20	0.2	1410	<1	250	11	55	38
L99000E-47125N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47150N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47187.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47200N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47225N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47237.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47250N	35	79	30	0.1	1220	<1	290	28	97	45
L99000E-47262.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47275N	30	202	50	0.1	1010	1	90	22	165	56
L99000E-47287.5N	45	129	40	0.1	850	<1	190	17	277	41
L99000E-47300N	80	55	20	0.2	870	<1	340	14	43	39
L99000E-47312.5N	31	174	50	<0.1	650	2	170	26	185	84
L99000E-47325N	44	200	70	0.1	630	2	60	21	472	87
L99000E-47375N	4	146	150	0.1	690	6	90	14	494	590
L99000E-47387.5N	47	50	30	0.1	800	<1	270	16	646	118
L99000E-47400N	64	150	220	0.2	1060	4	440	76	730	413
L99000E-47412.5N	15	239	150	<0.1	940	4	60	29	107	462
L99000E-47425N	35	285	370	<0.1	650	8	20	34	103	591
L99000E-47437.5N	19	97	40	0.1	810	<1	50	5	1280	41
L99000E-47450N	23	124	50	0.2	1650	<1	20	8	2260	50
L99000E-47462.5N	17	284	170	<0.1	510	7	270	66	1750	150
L99000E-47475N	39	>300	200	<0.1	1340	5	340	43	158	171
L99000E-47500N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47512.5N	32	20	50	0.1	600	<1	430	31	25	104
L99000E-47550N	41	173	120	0.1	1110	3	170	41	366	141
L99000E-47562.5N	15	271	90	<0.1	540	2	40	24	58	377
L99000E-47575N	17	179	240	0.2	570	4	70	8	1030	192
L99000E-47547.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99000E-47600N	10	28	50	<0.1	200	<1	780	20	38	150
L99000E-47612.5N	2	8	30	<0.1	80	<1	340	7	<5	221
L99000E-47625N	1	3	50	<0.1	70	<1	330	4	<5	211
L99000E-47637.5N	12	35	100	0.1	210	<1	760	27	54	218
L99000E-47650N	11	6	190	<0.1	70	<1	210	2	<5	418
L99000E-47652.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47687.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47700N	2	7	190	0.2	120	<1	340	3	64	676

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46412.5N	75	244	50	0.1	690	1	50	26	224	78
L98900E-46425N	30	277	100	<0.1	890	2	100	28	125	193
L98900E-46437.5N	44	150	30	<0.1	680	2	30	8	284	32
L98900E-46450N	84	235	130	<0.1	710	<1	30	16	219	141
L98900E-46462.5N	21	>300	150	<0.1	1290	3	40	35	160	246
L98900E-46475N	48	207	30	0.2	840	1	60	11	550	62
L98900E-46487.5N	31	228	80	0.1	780	2	190	43	198	72
L98900E-46500N	14	>300	80	0.2	1690	3	50	8	1880	210
L98900E-46512.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46525N	52	247	40	<0.1	640	1	<10	24	118	107
L98900E-46550N	29	>300	70	<0.1	650	3	20	34	91	263
L98900E-46562.5N	3	98	180	0.1	900	2	70	7	60	417
L98900E-46575N	9	39	120	<0.1	240	44	310	138	122	564
L98900E-46587.5N	9	80	200	0.1	310	11	400	134	383	1920
L98900E-46600N	106	>300	190	<0.1	800	3	20	12	209	266
L98900E-46625N	78	215	30	0.1	130	1	<10	17	50	71
L98900E-46637.5N	37	>300	140	<0.1	1020	7	60	23	176	188
L98900E-46650N	47	277	60	<0.1	660	22	30	31	148	136
L98900E-46662.5N	94	222	20	0.3	830	<1	20	15	499	195
L98900E-46675N	173	131	140	0.5	1630	2	230	56	477	472
L98900E-46687.5N	22	208	50	<0.1	340	2	<10	26	94	95
L98900E-46762.5N	38	133	30	0.2	210	2	<10	22	49	170
L98900E-46775N	26	>300	50	<0.1	250	2	<10	15	386	98
L98900E-46787.5N	16	187	<10	<0.1	150	<1	<10	19	24	178
L98900E-46812.5N	23	250	80	<0.1	240	1	<10	26	20	124
L98900E-46837.5N	101	226	30	0.2	330	<1	360	16	125	69
L98900E-46862.5N	13	261	240	<0.1	1110	12	260	27	130	829
L98900E-46875N	6	151	120	0.1	1010	8	760	133	174	445
L98900E-46887.5N	46	175	30	<0.1	210	<1	<10	16	61	73
L98900E-46900N	71	210	40	<0.1	370	2	130	21	46	104
L98900E-46912.5N	173	>300	90	0.2	1000	3	70	19	425	153
L98900E-46925N	11	46	60	<0.1	700	5	200	3	180	78
L98900E-46937.5N	16	264	60	<0.1	330	2	20	14	73	191
L98900E-46510.5N	27	278	20	0.1	680	1	70	23	431	95
L98900E-46406N	70	>300	90	0.1	1240	3	190	36	177	104
L99000E-47267.5N	32	163	40	<0.1	890	1	140	18	129	55
L99000E-47487.5N	30	120	20	<0.1	660	1	210	28	163	105
L99000E-47525N	20	255	110	<0.1	700	4	80	28	81	164
L99000E-47587.5N	15	76	50	0.2	420	1	250	16	244	412
L99000E-47662.5N	3	6	30	<0.1	70	<1	320	3	<5	229
L99000E-47687.5N	<1	4	50	<0.1	80	<1	360	6	<5	354
Dup L99000E-47175N	49	207	60	<0.1	1100	1	320	43	674	85
Dup L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
Dup L99000E-47325N	35	214	70	<0.1	640	2	50	27	331	133
Dup L99000E-47550N	37	170	120	0.1	1140	3	150	35	327	190
Dup L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
Dup L98900E-46562.5N	3	94	180	<0.1	980	2	80	4	55	411

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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
*Dup L98900E-46787.5N	18	199	10	<0.1	150	<1	<10	18	24	173
*Dup L99000E-47267.5N	33	160	40	<0.1	840	<1	140	18	135	51
*Std MMISRM14	18	32	10	34.1	80	<1	260	7	15	41
*Std MMISRM14	15	29	10	33.8	80	<1	230	7	14	38
*Std MMISRM14	17	37	10	37.2	90	<1	260	8	15	47
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Bik BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5

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Element Method Det.Lim. Units	Cr MMI-M5 100 PPB	Cu MMI-M5 10 PPB	Dy MMI-M5 1 PPB	Er MMI-M5 0.5 PPB	Eu MMI-M5 0.5 PPB	Fe MMI-M5 1 PPM	Gd MMI-M5 1 PPB	La MMI-M5 1 PPB	Li MMI-M5 5 PPB	Mg MMI-M5 1 PPM
L99000E-47175N	200	350	47	20.3	22.8	52	95	540	8	50
L99000E-47187.5N	<100	300	6	2.8	2.1	38	8	37	7	10
L99000E-47200N	<100	490	123	60.3	42.7	41	185	635	<5	9
L99000E-47225N	<100	510	26	11.9	9.8	44	41	166	7	23
L99000E-47237.5N	<100	270	17	8.7	6.5	33	26	126	<5	6
L99000E-47075N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47087.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47100N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47112.5N	<100	250	7	3.0	3.6	10	14	55	<5	52
L99000E-47125N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47150N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47187.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47200N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47225N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47237.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47250N	<100	350	12	6.0	5.0	15	21	58	<5	85
L99000E-47262.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47275N	100	350	15	6.8	5.1	49	19	85	9	8
L99000E-47287.5N	<100	330	24	10.1	10.1	38	40	230	5	20
L99000E-47300N	<100	340	6	3.1	2.5	7	11	37	<5	93
L99000E-47312.5N	100	320	10	4.4	3.4	49	13	61	9	18
L99000E-47325N	<100	420	27	12.0	9.3	54	36	134	10	7
L99000E-47375N	100	5520	45	20.3	17.4	207	73	261	24	21
L99000E-47387.5N	<100	700	21	8.9	10.5	12	42	146	<5	67
L99000E-47400N	300	1120	30	13.0	13.1	90	53	274	9	74
L99000E-47412.5N	100	600	8	3.7	2.4	58	9	44	7	6
L99000E-47425N	200	1380	10	6.4	1.9	196	8	30	33	10
L99000E-47437.5N	<100	280	27	11.3	11.6	19	45	236	<5	5
L99000E-47450N	<100	580	102	43.2	43.8	23	172	961	<5	3
L99000E-47462.5N	200	3480	135	57.3	56.2	88	240	1270	13	55
L99000E-47475N	300	680	12	5.0	4.1	96	15	101	30	35
L99000E-47500N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47512.5N	<100	360	3	1.6	1.5	8	6	17	<5	119
L99000E-47550N	100	1710	48	22.9	18.4	62	81	274	12	27
L99000E-47562.5N	<100	360	10	5.8	2.1	111	8	20	25	13
L99000E-47575N	200	1340	46	18.4	20.0	64	77	436	11	12
L99000E-47547.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99000E-47600N	100	660	6	3.3	2.3	29	10	26	<5	108
L99000E-47612.5N	<100	320	<1	<0.5	<0.5	8	<1	2	<5	49
L99000E-47625N	<100	360	<1	<0.5	<0.5	4	<1	<1	<5	46
L99000E-47637.5N	100	1020	8	4.1	3.3	39	14	41	<5	107
L99000E-47650N	<100	700	<1	<0.5	<0.5	33	<1	1	<5	45
L99000E-47652.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47687.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47700N	<100	4980	3	1.8	1.4	44	6	36	<5	56

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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
L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46412.5N	200	330	13	5.4	4.0	73	15	64	26	8
L98900E-46425N	200	280	10	4.8	3.2	178	12	56	74	23
L98900E-46437.5N	100	160	13	5.8	5.1	62	20	85	25	6
L98900E-46450N	100	590	10	4.4	4.0	58	14	75	16	4
L98900E-46462.5N	400	400	9	5.0	2.6	197	10	53	132	24
L98900E-46475N	100	1070	49	21.7	18.9	66	76	358	30	10
L98900E-46487.5N	200	370	12	5.9	4.2	108	17	71	60	25
L98900E-46500N	500	1160	107	47.9	42.9	190	172	971	134	43
L98900E-46512.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46525N	100	420	8	4.1	2.4	47	9	35	22	3
L98900E-46550N	100	950	10	5.6	1.9	114	7	23	35	8
L98900E-46562.5N	<100	1250	5	2.6	1.7	291	6	29	12	24
L98900E-46575N	<100	1000	14	7.8	4.9	35	20	56	6	79
L98900E-46587.5N	100	5760	38	18.8	15.2	88	64	287	22	53
L98900E-46600N	400	710	29	14.9	9.1	227	36	112	115	16
L98900E-46625N	<100	670	8	4.0	1.8	36	7	18	9	2
L98900E-46637.5N	300	430	13	7.0	3.8	208	15	63	127	21
L98900E-46650N	<100	930	11	5.4	3.1	64	12	37	28	7
L98900E-46662.5N	<100	1700	40	17.7	14.6	30	56	267	<5	2
L98900E-46675N	200	4270	22	11.0	8.0	44	33	207	10	54
L98900E-46687.5N	<100	950	14	7.2	3.0	49	12	32	<5	2
L98900E-46762.5N	<100	1740	13	8.0	2.4	46	9	16	<5	2
L98900E-46775N	200	1330	31	14.0	10.5	68	38	153	<5	<1
L98900E-46787.5N	<100	940	11	7.0	1.6	43	6	8	<5	<1
L98900E-46812.5N	<100	470	4	2.8	0.9	92	3	10	5	1
L98900E-46837.5N	100	2660	13	5.6	5.2	49	19	59	<5	11
L98900E-46862.5N	200	1430	13	7.1	4.4	183	17	49	10	28
L98900E-46875N	200	3130	32	18.4	9.3	89	42	68	13	118
L98900E-46887.5N	<100	540	10	5.7	2.8	38	10	23	<5	<1
L98900E-46900N	<100	470	6	3.1	1.8	59	7	20	6	15
L98900E-46912.5N	200	1360	23	10.1	8.5	79	31	170	10	5
L98900E-46925N	<100	1530	10	4.5	4.0	47	17	97	10	12
L98900E-46937.5N	<100	990	10	4.4	2.9	45	10	29	6	3
L98900E-46510.5N	100	780	29	13.4	10.6	63	40	191	9	9
L98900E-46406N	200	350	12	5.4	4.4	86	16	78	18	17
L99000E-47267.5N	<100	330	12	5.8	3.6	30	14	38	6	29
L99000E-47487.5N	<100	350	10	4.8	3.1	28	13	37	<5	33
L99000E-47525N	<100	460	11	5.7	3.0	86	12	37	25	10
L99000E-47587.5N	<100	2890	37	20.7	14.8	115	66	316	<5	55
L99000E-47662.5N	<100	950	<1	<0.5	<0.5	19	<1	2	<5	45
L99000E-47687.5N	<100	460	<1	<0.5	<0.5	12	<1	1	<5	52
*Dup L99000E-47175N	200	370	56	23.9	25.4	51	109	511	9	52
*Dup L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L99000E-47325N	<100	500	24	11.5	7.3	55	29	88	10	8
*Dup L99000E-47550N	<100	1700	47	24.0	16.9	62	75	245	12	26
*Dup L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L98900E-46562.5N	<100	1060	4	2.3	1.6	297	6	27	13	27

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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
*Dup L98900E-46787.5N	<100	910	9	6.8	1.3	52	5	8	<5	<1
*Dup L99000E-47267.5N	<100	310	11	5.3	3.8	28	15	40	<5	29
*Std MMISRM14	<100	670	2	0.6	0.9	2	3	4	<5	36
*Std MMISRM14	<100	620	1	0.6	0.8	2	3	3	<5	33
*Std MMISRM14	<100	710	2	0.6	0.8	2	3	3	<5	38
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
*Bik BLANK	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L99000E-47175N	7	13.9	491	640	500	<1	134	232	4	57
L99000E-47187.5N	<5	6.9	40	400	760	<1	11	145	2	20
L99000E-47200N	<5	5.8	915	133	520	<1	244	194	1	112
L99000E-47225N	<5	6.6	193	244	820	<1	51	146	2	35
L99000E-47237.5N	<5	6.5	129	150	580	<1	35	111	2	30
L99000E-47075N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47087.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47100N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47112.5N	<5	4.5	70	138	180	<1	17	139	1	10
L99000E-47125N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47150N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47187.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47200N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47225N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47237.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47250N	<5	3.9	88	319	370	<1	21	150	1	16
L99000E-47262.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47275N	<5	6.8	90	316	740	<1	24	253	3	33
L99000E-47287.5N	<5	5.7	218	169	410	<1	61	195	2	35
L99000E-47300N	<5	3.3	46	199	140	<1	11	104	1	11
L99000E-47312.5N	<5	6.0	60	375	510	<1	16	150	2	25
L99000E-47325N	<5	6.8	169	286	900	<1	46	115	3	43
L99000E-47375N	<5	7.6	344	454	680	<1	91	197	5	48
L99000E-47387.5N	<5	3.0	220	299	140	<1	55	74	<1	13
L99000E-47400N	6	9.9	293	707	1300	<1	83	326	4	53
L99000E-47412.5N	<5	5.0	41	629	1160	<1	12	192	3	26
L99000E-47425N	<5	10.4	31	443	1500	<1	8	194	7	43
L99000E-47437.5N	<5	3.1	250	66	1240	<1	70	160	1	31
L99000E-47450N	<5	4.0	1060	28	780	<1	318	166	1	122
L99000E-47462.5N	6	8.7	1430	955	1350	<1	416	241	9	93
L99000E-47475N	9	15.2	82	805	840	<1	24	187	8	52
L99000E-47500N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47512.5N	<5	2.5	26	388	110	<1	6	100	1	<5
L99000E-47550N	<5	5.6	366	870	1090	<1	93	182	3	45
L99000E-47562.5N	<5	6.2	29	273	450	<1	7	114	2	29
L99000E-47575N	<5	7.0	445	264	640	<1	129	200	3	61
L99000E-47547.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99000E-47600N	7	5.6	41	359	400	<1	10	16	3	12
L99000E-47612.5N	<5	2.0	3	173	220	<1	<1	9	<1	<5
L99000E-47625N	<5	1.9	<1	250	270	<1	<1	11	1	<5
L99000E-47637.5N	7	6.0	63	446	290	<1	15	12	2	16
L99000E-47650N	<5	<0.5	2	297	70	<1	<1	24	<1	<5
L99000E-47652.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47687.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47700N	10	5.7	35	459	40	<1	10	11	1	9

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46412.5N	6	11.6	67	298	2730	<1	18	191	2	42
L98900E-46425N	7	21.2	53	573	730	<1	14	132	3	56
L98900E-46437.5N	<5	8.9	99	133	5890	<1	27	127	1	38
L98900E-46450N	<5	7.5	70	254	820	<1	20	115	2	36
L98900E-46462.5N	9	27.5	43	689	930	<1	13	305	4	86
L98900E-46475N	<5	9.8	405	135	890	<1	108	150	1	73
L98900E-46487.5N	5	15.7	74	362	970	<1	19	198	3	54
L98900E-46500N	<5	28.1	1020	470	1080	<1	291	380	2	232
L98900E-46512.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46525N	<5	5.6	37	172	900	<1	10	120	2	36
L98900E-46550N	<5	9.8	24	276	1360	<1	6	227	2	40
L98900E-46562.5N	5	4.4	34	407	470	<1	9	101	<1	13
L98900E-46575N	5	4.6	87	1100	4800	<1	22	109	4	23
L98900E-46587.5N	9	6.6	349	600	4000	<1	95	123	2	50
L98900E-46600N	10	23.3	157	432	2940	<1	39	204	4	79
L98900E-46625N	<5	1.9	23	196	22400	<1	6	123	2	26
L98900E-46637.5N	7	26.7	62	581	1610	<1	16	268	5	81
L98900E-46650N	<5	7.0	45	509	7190	<1	11	137	3	32
L98900E-46662.5N	<5	3.2	274	183	2220	<1	75	138	1	75
L98900E-46675N	<5	3.2	193	933	7580	<1	54	131	3	102
L98900E-46687.5N	<5	2.1	43	240	3900	<1	11	98	2	37
L98900E-46762.5N	<5	1.6	27	255	4100	<1	6	127	1	41
L98900E-46775N	5	3.6	173	169	1430	<1	46	91	2	87
L98900E-46787.5N	<5	1.6	16	180	910	<1	4	89	<1	38
L98900E-46812.5N	<5	3.1	9	152	1700	<1	2	129	3	25
L98900E-46837.5N	6	3.4	74	229	1730	<1	18	137	3	48
L98900E-46862.5N	<5	7.5	76	873	2200	<1	19	157	5	68
L98900E-46875N	6	2.2	126	818	3140	<1	29	203	3	49
L98900E-46887.5N	<5	1.6	35	137	930	<1	9	119	1	34
L98900E-46900N	<5	2.8	25	289	890	<1	6	68	2	17
L98900E-46912.5N	5	5.2	153	306	1790	<1	44	182	3	58
L98900E-46925N	<5	2.1	96	133	500	<1	26	38	3	15
L98900E-46937.5N	<5	1.9	38	198	7280	<1	10	93	2	22
L98900E-46510.5N	6	4.3	203	215	1780	<1	55	173	2	74
L98900E-46406N	6	6.1	75	474	1810	<1	21	208	4	46
L99000E-47267.5N	<5	1.6	53	240	1170	<1	13	103	2	21
L99000E-47487.5N	<5	1.0	50	356	680	<1	12	198	2	17
L99000E-47525N	<5	5.8	46	587	1090	<1	12	143	3	32
L99000E-47587.5N	<5	1.4	369	317	630	<1	97	61	2	49
L99000E-47662.5N	<5	<0.5	3	195	90	<1	<1	10	<1	<5
L99000E-47687.5N	<5	<0.5	2	277	160	<1	<1	14	1	<5
*Dup L99000E-47175N	<5	8.6	514	631	750	<1	134	223	3	55
*Dup L99000E-47325N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L99000E-47325N	6	5.7	124	320	1140	<1	31	122	3	39
*Dup L99000E-47550N	<5	4.0	331	688	1160	<1	83	155	3	45
*Dup L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L98900E-46562.5N	<5	3.7	31	399	390	<1	8	111	2	21

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Element Method Det.Lim. Units	Mo MMI-M5 5 PPB	Nb MMI-M5 0.5 PPB	Nd MMI-M5 1 PPB	Ni MMI-M5 5 PPB	Pb MMI-M5 10 PPB	Pd MMI-M5 1 PPB	Pr MMI-M5 1 PPB	Rb MMI-M5 5 PPB	Sb MMI-M5 1 PPB	Sc MMI-M5 5 PPB
*Dup L98900E-46787.5N	<5	1.8	14	187	900	<1	3	79	<1	39
*Dup L99000E-47267.5N	<5	1.5	57	230	1150	<1	14	99	2	19
*Std MMISRM14	30	1.0	11	241	100	42	2	317	1	7
*Std MMISRM14	27	<0.5	11	236	110	39	2	275	<1	6
*Std MMISRM14	30	<0.5	11	269	110	44	2	302	1	6
*Blk BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	0.7	<1	<5	<10	<1	<1	<5	<1	<5
*Blk BLANK	<5	0.6	<1	<5	<10	<1	<1	<5	<1	<5

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L99000E-47175N	90	3	400	5	13	<10	23.8	561	0.7	12
L99000E-47187.5N	8	3	220	4	1	<10	9.4	528	<0.5	3
L99000E-47200N	185	2	140	3	28	<10	50.1	718	<0.5	18
L99000E-47225N	41	2	220	3	6	<10	18.7	880	0.6	6
L99000E-47237.5N	25	2	140	3	4	<10	12.6	813	0.5	4
L99000E-47075N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47087.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47100N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47112.5N	14	1	370	2	2	<10	6.5	143	<0.5	4
L99000E-47125N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47150N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47187.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47200N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47225N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47237.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47250N	20	1	360	1	3	<10	6.9	146	<0.5	7
L99000E-47262.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47275N	19	2	130	3	3	<10	17.9	1190	0.6	6
L99000E-47287.5N	42	1	350	3	6	<10	21.6	959	<0.5	5
L99000E-47300N	10	<1	440	1	2	<10	4.9	32	<0.5	3
L99000E-47312.5N	13	1	200	2	2	<10	15.5	1270	<0.5	4
L99000E-47325N	37	2	80	3	6	<10	27.8	1480	0.6	10
L99000E-47375N	74	2	170	2	11	<10	38.6	1360	0.8	10
L99000E-47387.5N	46	<1	310	1	6	<10	8.9	45	<0.5	15
L99000E-47400N	56	3	520	7	8	<10	36.9	789	1.0	8
L99000E-47412.5N	9	1	110	2	2	<10	17.5	973	<0.5	4
L99000E-47425N	7	4	60	3	2	<10	26.7	3050	0.8	8
L99000E-47437.5N	47	<1	80	2	7	<10	19.0	383	<0.5	7
L99000E-47450N	196	<1	140	3	26	<10	44.5	747	0.8	13
L99000E-47462.5N	251	3	210	5	35	<10	57.0	888	0.7	18
L99000E-47475N	16	3	370	6	3	<10	22.2	3590	0.7	7
L99000E-47500N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47512.5N	6	<1	430	<1	<1	<10	4.0	45	<0.5	2
L99000E-47550N	78	1	300	2	11	<10	35.0	1130	<0.5	8
L99000E-47562.5N	7	1	130	2	2	<10	8.7	1410	<0.5	3
L99000E-47575N	86	1	90	2	12	<10	60.7	1380	0.9	14
L99000E-47547.5N	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
L99000E-47600N	9	<1	610	4	1	<10	4.8	23	<0.5	2
L99000E-47612.5N	<1	<1	270	<1	<1	<10	1.2	<3	<0.5	<1
L99000E-47625N	<1	<1	250	<1	<1	<10	0.6	3	<0.5	<1
L99000E-47637.5N	13	<1	610	5	2	<10	5.5	34	<0.5	3
L99000E-47650N	<1	<1	200	<1	<1	<10	0.8	38	<0.5	2
L99000E-47652.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47687.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47700N	6	2	290	7	<1	<10	3.8	54	0.7	8

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46412.5N	15	3	90	6	3	<10	24.1	2690	0.8	6
L98900E-46425N	11	4	210	4	2	<10	17.7	7780	0.9	6
L98900E-46437.5N	20	2	50	4	3	<10	18.8	2440	0.6	8
L98900E-46450N	14	1	60	3	2	<10	16.3	2100	0.6	5
L98900E-46462.5N	9	5	120	3	2	<10	47.8	9410	1.6	13
L98900E-46475N	79	1	100	2	11	<10	37.6	3080	0.8	10
L98900E-46487.5N	16	3	250	2	3	<10	23.0	5000	0.6	8
L98900E-46500N	185	4	200	3	26	<10	109	10200	1.8	18
L98900E-46512.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46525N	9	1	10	1	2	<10	17.8	1780	0.5	5
L98900E-46550N	6	1	90	1	2	<10	20.0	3600	0.6	6
L98900E-46562.5N	7	<1	200	<1	1	<10	8.0	1100	<0.5	6
L98900E-46575N	20	2	440	4	3	<10	9.1	183	0.9	2
L98900E-46587.5N	67	1	470	5	9	<10	23.0	682	0.6	9
L98900E-46600N	36	4	50	3	6	<10	23.3	9880	0.9	8
L98900E-46625N	6	<1	<10	<1	1	<10	11.6	392	<0.5	5
L98900E-46637.5N	14	5	130	3	3	<10	25.1	9920	0.9	8
L98900E-46650N	11	1	70	<1	2	<10	23.1	2340	0.5	6
L98900E-46662.5N	57	<1	60	<1	9	<10	31.8	1180	<0.5	10
L98900E-46675N	36	<1	610	<1	5	<10	50.4	706	1.1	11
L98900E-46687.5N	10	<1	10	<1	2	<10	18.5	669	<0.5	5
L98900E-46762.5N	7	<1	<10	<1	2	<10	13.3	428	<0.5	7
L98900E-46775N	37	<1	<10	4	6	<10	36.0	691	<0.5	12
L98900E-46787.5N	4	<1	10	<1	2	<10	11.3	617	<0.5	5
L98900E-46812.5N	3	<1	10	<1	<1	<10	10.8	1170	<0.5	4
L98900E-46837.5N	18	<1	210	3	3	<10	12.0	572	<0.5	8
L98900E-46862.5N	16	2	530	3	3	<10	16.5	2530	0.6	3
L98900E-46875N	34	<1	880	<1	7	<10	14.5	187	0.7	15
L98900E-46887.5N	9	<1	<10	1	2	<10	8.3	488	<0.5	3
L98900E-46900N	6	<1	170	<1	1	<10	6.1	1190	<0.5	2
L98900E-46912.5N	31	<1	90	4	5	<10	23.0	1350	0.8	8
L98900E-46925N	17	<1	190	<1	2	<10	18.0	322	<0.5	6
L98900E-46937.5N	9	<1	40	<1	2	<10	9.0	690	<0.5	4
L98900E-46510.5N	40	<1	70	3	6	<10	27.1	1070	0.6	12
L98900E-46406N	16	2	240	3	3	<10	22.9	2020	0.6	8
L99000E-47267.5N	13	<1	130	<1	2	<10	12.4	571	<0.5	5
L99000E-47487.5N	12	<1	240	<1	2	<10	13.7	253	<0.5	6
L99000E-47525N	11	1	130	<1	2	<10	19.7	2590	<0.5	5
L99000E-47587.5N	65	<1	270	<1	8	<10	13.0	288	<0.5	17
L99000E-47662.5N	<1	<1	250	<1	<1	<10	0.6	<3	<0.5	3
L99000E-47687.5N	<1	<1	280	<1	<1	<10	<0.5	<3	<0.5	<1
*Dup L99000E-47175N	99	2	360	3	14	<10	25.9	536	<0.5	13
*Dup L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L99000E-47325N	28	2	80	5	5	<10	28.9	1370	0.7	10
*Dup L99000E-47550N	71	1	280	1	10	<10	39.2	1220	0.5	10
*Dup L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L98900E-46562.5N	6	<1	220	1	<1	<10	7.4	1110	<0.5	5

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Element Method Det.Lim. Units	Sm MMI-M5 1 PPB	Sn MMI-M5 1 PPB	Sr MMI-M5 10 PPB	Ta MMI-M5 1 PPB	Tb MMI-M5 1 PPB	Te MMI-M5 10 PPB	Th MMI-M5 0.5 PPB	Ti MMI-M5 3 PPB	Tl MMI-M5 0.5 PPB	U MMI-M5 1 PPB
*Dup L98900E-46787.5N	4	<1	10	1	1	<10	12.2	754	<0.5	6
*Dup L99000E-47267.5N	13	<1	130	<1	2	<10	11.8	453	<0.5	4
*Std MMISRM14	3	<1	600	<1	<1	<10	15.4	<3	<0.5	35
*Std MMISRM14	3	<1	510	<1	<1	<10	14.9	<3	<0.5	34
*Std MMISRM14	3	<1	560	<1	<1	<10	17.3	<3	<0.5	40
*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

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L99000E-47175N	6	337	13	1020	66
L99000E-47187.5N	7	33	2	1840	23
L99000E-47200N	6	720	43	280	57
L99000E-47225N	4	161	9	250	37
L99000E-47237.5N	5	118	6	170	24
L99000E-47075N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47087.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47100N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47112.5N	3	45	2	260	11
L99000E-47125N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47137.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47150N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47175N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47187.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47200N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47225N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47237.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47250N	2	83	4	710	17
L99000E-47262.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47275N	4	84	5	340	37
L99000E-47287.5N	3	138	7	460	34
L99000E-47300N	2	42	2	190	6
L99000E-47312.5N	3	52	3	900	28
L99000E-47325N	5	147	9	340	42
L99000E-47375N	3	259	15	270	61
L99000E-47387.5N	1	126	6	70	16
L99000E-47400N	5	170	10	2300	92
L99000E-47412.5N	4	42	3	1270	33
L99000E-47425N	7	58	5	1190	59
L99000E-47437.5N	3	148	8	120	23
L99000E-47450N	5	513	33	70	65
L99000E-47462.5N	4	859	36	700	79
L99000E-47475N	4	59	4	1260	72
L99000E-47500N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47512.5N	<1	23	1	840	9
L99000E-47550N	2	333	16	830	45
L99000E-47562.5N	4	59	5	710	31
L99000E-47575N	2	221	13	350	94
L99000E-47547.5N	N.A.	N.A.	N.A.	N.A.	N.A.
L99000E-47600N	3	45	3	790	33
L99000E-47612.5N	1	5	<1	530	6
L99000E-47625N	2	<5	<1	470	<5
L99000E-47637.5N	4	59	3	1540	33
L99000E-47650N	1	<5	<1	370	6
L99000E-47652.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47687.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99000E-47700N	11	29	2	210	15

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Element Method Det.Lim. Units	W MMI-M5 1 PPB	Y MMI-M5 5 PPB	Yb MMI-M5 1 PPB	Zn MMI-M5 20 PPB	Zr MMI-M5 5 PPB
L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46412.5N	5	66	4	550	53
L98900E-46425N	3	55	4	1980	89
L98900E-46437.5N	4	68	4	550	44
L98900E-46450N	3	54	3	1270	48
L98900E-46462.5N	3	50	5	2990	151
L98900E-46475N	1	276	16	290	78
L98900E-46487.5N	<1	69	4	1450	79
L98900E-46500N	4	522	38	870	329
L98900E-46512.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L98900E-46525N	3	44	3	1230	39
L98900E-46550N	2	47	5	3300	47
L98900E-46562.5N	2	27	2	1740	13
L98900E-46575N	2	88	7	4650	43
L98900E-46587.5N	2	235	17	7360	60
L98900E-46600N	5	167	12	1700	99
L98900E-46625N	2	44	3	1910	19
L98900E-46637.5N	2	76	6	3780	125
L98900E-46650N	1	58	4	3630	44
L98900E-46662.5N	2	202	13	1090	53
L98900E-46675N	<1	108	9	10500	93
L98900E-46687.5N	2	72	6	890	30
L98900E-46762.5N	1	66	6	540	23
L98900E-46775N	5	156	11	590	72
L98900E-46787.5N	2	56	6	770	25
L98900E-46812.5N	<1	22	3	670	26
L98900E-46837.5N	<1	65	4	190	49
L98900E-46862.5N	<1	76	7	6060	58
L98900E-46875N	<1	204	15	2570	47
L98900E-46887.5N	3	60	5	770	19
L98900E-46900N	<1	35	2	430	17
L98900E-46912.5N	3	111	7	520	72
L98900E-46925N	<1	55	4	110	30
L98900E-46937.5N	<1	47	3	1040	23
L98900E-46510.5N	2	154	10	750	70
L98900E-46406N	2	60	4	2670	74
L99000E-47267.5N	<1	64	4	300	17
L99000E-47487.5N	<1	52	4	760	18
L99000E-47525N	1	60	5	580	35
L99000E-47587.5N	2	299	17	360	21
L99000E-47662.5N	<1	<5	<1	540	<5
L99000E-47687.5N	<1	<5	<1	700	<5
*Dup L99000E-47175N	4	386	15	1050	53
*Dup L99000E-47162.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L99000E-47325N	7	130	9	490	39
*Dup L99000E-47550N	1	315	17	710	44
*Dup L98900E-46400N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
*Dup L98900E-46562.5N	1	24	2	1500	20

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Final : 093394 Order: COBALT GRID ONE

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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
*Dup L98900E-46787.5N	3	49	6	730	28
*Dup L99000E-47267.5N	NVL	64	4	270	16
*Std MMISRM14	1	8	<1	330	17
*Std MMISRM14	<1	7	<1	300	15
*Std MMISRM14	<1	8	<1	340	12
*Blk BLANK	15	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5
*Blk BLANK	<1	<5	<1	<20	<5

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Certificate of Analysis

Work Order: 093393

To: **Geotronics Consulting Inc.**

Attn: David G. Mark
6204 - 125th Street
SURREY
BC V3X 2E1

Date: Jun 26, 2007

P.O. No. : COBALT GRID ONE
Project No. : DEFAULT
No. Of Samples 94
Date Submitted May 29, 2007
Report Comprises Pages 1 to 16
(Inclusive of Cover Sheet)

Distribution of unused material:

157 Soils

Certified By

Operations Manager

ISO 17025 Accredited for Specific Tests. SCC No. 456

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
-- = 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

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Element Method Det.Lim. Units	Ag MMI-M5 1 PPB	Al MMI-M5 1 PPM	As MMI-M5 10 PPB	Au MMI-M5 0.1 PPB	Ba MMI-M5 10 PPB	Bi MMI-M5 1 PPB	Ca MMI-M5 10 PPM	Cd MMI-M5 1 PPB	Ce MMI-M5 5 PPB	Co MMI-M5 5 PPB
L99100E-47287.5N	12	257	80	<0.1	400	1	<10	36	37	383
L99100E-47300N	10	182	30	0.2	520	1	80	14	446	201
L99100E-47312.5N	13	48	60	0.2	630	<1	310	7	532	301
L99100E-47325N	48	198	40	<0.1	410	1	120	16	180	144
L99100E-47337.5N	34	193	40	<0.1	360	1	80	13	136	102
L99100E-47350N	30	281	160	<0.1	840	3	60	15	133	172
L99100E-47362.5N	16	264	100	<0.1	520	2	10	36	104	609
L99100E-47375N	26	34	10	0.2	180	<1	<10	15	257	105
L99100E-47387.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47412.5N	23	293	110	<0.1	350	2	20	23	48	296
L99100E-4742.5N	69	216	40	<0.1	420	1	110	22	75	112
L99100E-47437.5N	13	111	<10	<0.1	90	<1	<10	10	202	60
L99100E-47450N	19	241	130	0.1	760	4	50	33	578	224
L99100E-47462.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47475N	73	134	120	0.2	1030	2	170	14	1540	50
L99100E-47487.5N	20	182	170	0.2	1190	2	150	19	1050	168
L99100E-47500N	36	191	90	<0.1	1830	2	140	10	366	81
L99100E-47512.5N	16	231	90	<0.1	380	2	10	12	222	150
L99100E-47525N	27	180	30	0.2	390	<1	10	15	1030	154
L99100E-47537.5N	7	57	10	0.2	540	<1	250	31	54	706
L99100E-47550N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-475625N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47575N	134	8	60	0.5	170	<1	300	13	79	226
L99100E-47587.5N	52	181	80	0.1	1040	1	110	19	450	86
L99100E-47600N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47612.5N	15	276	140	<0.1	390	2	10	23	47	297
L99100E-47625N	77	256	210	0.1	840	5	90	30	624	287
L99100E-47637.5N	63	167	110	0.3	670	2	130	10	1890	178
L99100E-47650N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47662.5N	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L99100E-47675N	27	235	90	<0.1	270	2	80	22	153	383
L99100E-47687.5N	30	150	180	0.1	860	3	150	22	767	144
L99100E-47700N	84	42	100	0.1	300	<1	340	49	48	269
L99000E-46400N	14	189	30	0.1	350	<1	<10	8	49	117
L99000E-46412.5N	1	145	200	<0.1	180	2	<10	4	12	49
L99000E-46425N	26	208	20	0.1	520	<1	40	28	58	50
L99000E-46437.5N	36	189	40	0.2	450	<1	10	6	100	151
L99000E-46450N	12	187	<10	0.1	520	<1	<10	5	98	188
L99000E-46462.5N	15	139	40	0.1	780	<1	50	9	656	902
L99000E-46475N	158	148	10	<0.1	500	<1	120	16	71	46
L99000E-46482.5N	15	245	50	0.1	240	1	20	40	89	272
L99000E-46500N	26	211	40	<0.1	520	<1	20	48	25	109
L99000E-46512.5N	11	219	90	<0.1	190	1	10	44	18	136
L99000E-46525N	16	211	20	<0.1	220	<1	<10	27	44	226
L99000E-46587.5N	62	241	150	0.1	1810	5	80	23	395	371
L99000E-46550N	146	222	40	<0.1	560	<1	50	16	133	92
L99000E-46562.5N	11	246	50	<0.1	210	3	20	53	7	264
L99000E-46575N	11	274	80	<0.1	230	3	<10	34	17	254

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