

Last chance  
1990 827023

COMP: MINNOVA INC.  
PROJ: LAST CHANCE 622  
ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
(604)980-5814 OR (604)988-4524

FILE NO: OV-0755-SJ1+2  
DATE: 90/07/04  
\* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OHLCS001	1.2	1	142	32	16	1	52	25	285
OHLCS002	1.3	1	152	33	13	1	57	5	330
OHLCS003	1.2	1	169	39	14	1	59	5	125
OHLCS004	1.0	1	262	52	17	1	66	5	430
OHLCS005	1.1	1	165	42	12	1	56	5	200
OHLCS006	.8	1	279	18	13	1	71	5	145
OHLCS007	1.1	1	163	31	12	1	65	5	1185
OHLCS008	1.2	1	194	30	13	1	98	5	80
OHLCS009	1.1	1	276	37	12	1	68	5	75
OHLCS010	.5	1	180	26	13	1	64	5	400
OHLCS011	.7	1	258	33	16	1	84	10	915
OHLCS012	1.0	1	236	36	15	1	72	5	975
OHLCS013	.6	1	242	27	17	1	72	5	4250
OHLCS014	.9	1	202	30	19	1	72	35	170
OHLCS015	1.0	1	164	28	14	1	80	10	145
OHLCS016	.3	1	210	26	16	1	73	5	185
OHLCS017	.9	1	249	17	19	1	74	5	220
OHLCS018	.3	1	272	31	12	1	82	5	245
OHLCS019	1.3	1	183	22	12	1	90	20	215
OHLCS020	1.2	1	197	25	13	1	79	5	125
OHLCS021	1.0	1	189	22	12	1	76	5	140
OHLCS022	1.2	1	171	21	14	1	74	5	75
OHLCS023	1.3	1	215	30	13	1	75	5	120
OHLCS024	1.2	1	206	28	18	1	65	5	160
OHLCS025	1.3	1	188	23	12	1	79	5	110
OHLCS026	1.1	1	154	26	15	1	69	15	85
OHLCS027	1.6	1	167	23	12	1	81	5	50
OHLCS028	1.3	1	235	33	17	1	49	20	300
OHLCS029	1.2	1	130	25	15	1	70	5	65
OHLCS030	1.0	1	161	19	16	1	76	5	60
OHLCS031	1.0	1	135	31	17	1	38	5	320
OHLCS032	.7	1	68	22	14	1	56	5	110
OHLCS033	1.0	1	90	26	12	1	62	5	130
OHLCS034	1.2	1	113	27	13	1	55	5	85
OHLCS035	1.1	1	119	21	14	1	61	5	100
OHLCS036	1.2	1	132	25	16	1	78	5	65
OHLCS037	1.3	1	113	19	16	1	71	5	120
OHLCS038	.9	1	123	19	16	1	70	10	130
OHLCS039	1.2	1	91	21	14	1	59	5	190
OHLCS040	.5	1	253	36	22	1	101	5	195
OHLCS041	.5	1	143	23	14	1	70	5	14000
OHLCS042	2.3	1	123	29	14	1	74	5	210
OHLCS043	2.4	1	103	24	14	1	63	5	160
OHLCS044	2.7	1	128	30	14	1	76	5	35
OHLCS045	2.9	1	121	26	14	1	68	5	250
OHLCS046	1.4	1	246	290	24	8	56	10	230
OHLCS047	3.2	1	148	30	14	1	75	5	105
OHLCS048	.6	1	494	50	14	1	93	5	110
OHLCS049	.7	1	194	21	15	1	76	5	110
OHLCS050	.5	1	300	38	17	1	109	5	95
OHLCS051	.1	1	301	39	19	1	85	5	190
OHLCS052	1.0	1	1007	33	23	1	54	5	500
OHLCS053	.3	1	334	31	16	1	76	5	220
OHLCS054	1.6	1	177	35	17	1	71	5	685
OHLCS055	1.0	1	856	27	21	1	65	5	130
OHLCS056	2.6	1	98	29	14	1	68	5	120
OHLCS058	2.6	1	88	39	14	1	69	5	110
OHLCS059	2.3	1	107	31	12	1	69	10	50
OHLCS060	1.9	1	106	23	14	1	75	10	1000
OHLCS061	2.0	1	130	21	14	1	93	5	80

COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0755-SJ3+4  
 DATE: 90/07/04  
 \* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OHLCS062	1.4	1	128	23	14	1	69	5	65
OHLCS063	1.2	1	133	24	14	1	66	5	1160
OHLCS064	1.8	1	92	30	14	1	56	5	120
OHLCS065	.5	1	212	26	17	1	68	5	1290
OHLCS066	.3	1	158	25	17	1	65	5	1535
OHLCS067	.6	1	261	20	18	1	78	5	545
OHLCS068	1.0	1	257	27	15	1	75	5	1020
OHLCS069	.8	1	246	22	16	1	71	5	440
OHLCS070	.4	1	249	21	18	1	74	60	165
OHLCS071	.6	1	224	28	20	1	71	5	720
OHLCS072	.3	1	238	18	22	1	69	5	700
OHLCS073	.6	1	299	18	17	1	117	5	65
OHLCS074	.2	1	312	18	18	1	89	5	145
OHLCS075	.8	1	182	21	15	1	87	10	200
OHLCS076	.6	1	145	19	21	1	69	5	3000
OHLCS077	.9	1	175	22	14	1	76	5	660
OHLCS078	.8	1	192	18	20	1	82	5	985
OHLCS079	.4	1	89	15	18	1	51	5	255
OHLCS080	1.1	1	167	18	18	1	66	5	265
OHLCS081	.7	1	192	15	14	1	98	5	500
OHLCS082	.4	1	290	37	22	1	69	20	1100
OHLCS083	1.4	1	127	21	15	1	67	25	85
OHLCS084	1.2	1	111	24	14	1	59	5	225
OHLCS085	1.5	1	127	24	17	1	68	5	275
OHLCS086	1.8	1	124	28	14	1	70	5	195
OHLCS087	1.8	1	101	23	14	1	63	5	230
OHLCS088	1.4	1	133	27	20	1	64	5	915
OHLCS089	1.2	1	138	27	18	1	66	5	410
OHLCS090	1.0	1	159	18	16	1	71	5	215
OHLCS091	1.1	1	224	22	17	1	90	5	255
OHLCS092	.6	1	150	19	14	1	70	5	795
OHLCS093	.4	1	126	16	15	1	64	5	475
OHLCS094	.7	1	148	20	14	1	62	5	1630
OHLCS095	.6	1	131	18	14	1	53	5	1750
OHLCS096	.8	1	121	17	15	1	62	15	620
OHLCS097	.7	1	149	12	20	1	70	10	710
OHLCS098	.5	1	155	20	16	1	66	5	2750
OHLCS099	.9	1	146	21	14	1	71	5	820
OHLCS100	.9	1	150	15	20	1	77	5	365
OHLCS101	.9	1	105	15	18	1	50	5	275
OHLCS102	1.0	1	173	24	16	1	59	5	485
OHLCS103	1.3	1	107	38	17	1	71	5	555
OHLCS104	1.5	1	103	57	14	1	66	5	75
OHLCS105	.9	1	129	35	20	1	55	5	35
OHLCS106	1.0	1	176	75	23	1	75	5	235
OHLCS107	1.2	1	117	115	15	1	60	5	65
OHLCS108	.9	1	268	60	18	1	68	5	450
OHLCS109	1.0	1	176	68	18	1	47	5	150
OHLCS110	1.0	1	160	67	16	1	50	5	45
OHLCS111	1.0	1	157	45	19	1	55	10	245
OHLCS112	1.4	1	210	59	14	1	64	5	60
OHLCS113	1.1	1	115	83	17	1	47	5	730
OHLCS114	1.7	87	352	63	19	1	49	5	140
OHLCS115	.9	1	227	43	18	1	66	5	80
OHLCS116	.9	1	159	109	14	1	55	5	145
OHLCS117	1.0	1	111	94	14	1	65	10	895
OHLCS118	1.1	1	177	53	18	1	79	5	280
OHLCS119	1.5	1	156	53	17	1	86	5	55
OHLCS120	1.6	1	257	57	16	1	63	5	45
OHLCS121	1.2	39	147	41	24	1	70	5	400



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 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0755-SJ5+6  
 DATE: 90/07/04  
 \* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OHLCS122	.6	25	163	75	20	1	70	5	275
OHLCS123	.1	194	43	38	17	1	131	5	95
OHLCS124	.9	1	193	74	16	1	72	5	55
OHLCS125	.9	1	84	49	16	1	70	5	20
OHLCS126	1.2	1	157	41	14	1	73	5	15
OHLCS127	1.0	1	104	35	17	1	70	5	15
OHLCS128	1.4	1	94	32	18	1	50	5	25
OHLCS129	1.5	1	76	25	17	1	59	5	5
OHLCS130	1.0	1	114	66	23	1	78	5	5
OHLCS131	1.2	1	143	43	14	1	70	110	80
OHLCS132	1.1	1	113	28	18	1	69	5	25
OHLCS133	1.0	1	119	33	14	1	59	10	105
OHLCS134	1.1	1	123	30	16	1	78	5	30
OHLCS135	1.2	1	146	33	18	1	76	5	15
OHLCS136	1.1	1	125	28	14	1	67	5	20
OHLCS137	1.3	1	137	40	18	1	60	5	55
OHLCS138	1.3	1	139	40	14	1	61	5	40
OHLCS139	1.2	1	130	39	14	1	59	5	110
OHLCS140	1.2	1	139	41	16	1	55	5	145
OHLCS141	1.3	1	132	44	14	1	57	5	35
OHLCS142	1.5	1	138	41	16	1	67	5	5
OHLCS143	1.2	1	136	33	17	1	74	5	5
OGLCS001	1.1	1	130	29	16	1	59	10	130
OGLCS002	1.6	1	145	24	16	1	73	5	555
OGLCS003	.1	1	172	24	18	1	41	5	210
OGLCS005	1.0	1	180	32	17	1	64	5	450
OGLCS006	.7	1	197	41	19	1	57	5	195
OGLCS007	.8	1	202	35	16	1	69	5	255
OGLCS008	.5	1	307	43	16	1	59	5	555
OGLCS009	.3	1	239	40	14	1	48	5	225
OGLCS010	.2	1	184	38	18	1	48	5	150
OGLCS011	.4	1	217	41	20	1	69	5	350
OGLCS012	.6	1	278	41	21	1	76	5	310
OGLCS013	.1	1	359	30	19	1	80	5	7625
OGLCS014	.6	1	199	21	19	1	79	5	325
OGLCS015	.6	1	192	24	18	1	87	5	135
OGLCS016	.6	1	221	22	18	1	82	60	240
OGLCS017	.1	1	224	30	21	2	89	5	2250
OGLCS018	.9	1	202	35	19	1	70	5	980
OGLCS019	1.6	1	242	33	17	1	52	5	945
OGLCS020	.8	1	213	30	20	1	57	5	260
OGLCS021	1.2	1	188	24	18	1	69	5	130
OGLCS022	1.0	1	150	23	17	1	76	5	60
OGLCS023	1.2	1	134	24	20	1	70	5	130
OGLCS024	1.0	1	138	19	21	1	70	5	5
OGLCS025	1.5	1	149	26	18	1	74	5	55
OGLCS026	1.1	1	160	29	19	1	78	5	5
OGLCS027	1.3	1	157	32	19	1	44	5	685
OGLCS028	.9	1	115	32	18	1	54	5	680
OGLCS029	.9	1	141	22	20	1	85	5	475
OGLCS030	.7	1	110	28	17	1	74	5	305
OGLCS031	1.0	1	106	24	15	1	81	10	45
OGLCS032	1.1	1	106	22	14	1	71	5	730
OGLCS033	1.2	1	158	21	20	1	86	5	85
OGLCS034	1.0	1	135	23	22	1	78	5	65
OGLCS035	1.0	1	168	18	21	1	97	10	890
OGLCS036	.9	1	152	23	20	1	90	5	15
OGLCS037	.8	1	137	18	20	1	76	5	60
OGLCS038	.8	1	186	24	19	1	96	25	75
OGLCS039	.7	1	139	19	19	1	76	35	110

COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0755-SJ7+8  
 DATE: 90/07/04  
 \* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OG LCS040	.3	1	128	21	16	1	71	5	670
OG LCS041	.2	1	173	34	20	1	73	5	1830
OG LCS042	1.1	1	174	31	20	1	64	5	795
OG LCS043	.8	1	175	30	14	1	65	5	245
OG LCS044	.7	1	193	19	21	1	78	10	165
OG LCS045	.5	1	219	28	20	1	73	5	265
OG LCS046	1.1	1	185	29	19	1	67	5	55
OG LCS048	1.0	1	182	24	15	1	77	5	175
OG LCS049	.8	1	166	24	15	1	76	5	220
OG LCS050	.6	1	232	22	22	1	89	15	75
OG LCS051	.1	29	330	38	20	2	82	10	120
OG LCS052	1.1	1	132	28	15	1	68	5	275
OG LCS053	.7	1	230	24	22	1	80	5	320
OG LCS054	.9	1	190	23	15	1	69	5	365
OG LCS055	.7	1	229	27	19	1	92	5	935
OG LCS056	.8	1	262	25	20	1	84	5	145
OG LCS057	1.1	1	155	23	18	1	53	5	120
OG LCS058	1.3	1	158	27	22	1	82	5	140
OG LCS059	.9	1	123	26	20	1	88	5	10
OG LCS060	1.0	1	117	26	17	1	69	5	210
OG LCS061	1.2	1	116	22	18	1	72	5	155
OG LCS062	1.5	1	119	20	15	1	74	5	1515
OG LCS063	1.5	1	114	19	20	1	73	5	440
OG LCS064	1.6	1	106	31	17	1	70	5	350
OG LCS065	1.3	1	131	29	17	1	72	5	220
OG LCS066	1.2	1	135	30	18	1	76	5	455
OG LCS067	1.2	1	123	26	23	1	89	5	175
OG LCS068	.6	1	135	22	17	1	78	5	205
OG LCS069	.9	1	127	22	19	1	79	5	210
OG LCS070	.8	1	123	20	16	1	76	5	220
OG LCS071	.2	1	125	21	14	1	77	5	115
OG LCS072	.3	1	170	21	17	1	69	5	375
OG LCS073	.4	1	153	21	11	1	74	5	165
OG LCS074	.5	1	162	21	20	1	95	5	240
OG LCS075	.6	1	177	18	20	1	73	5	195
OG LCS076	.5	1	148	20	17	1	67	5	395
OG LCS077	.3	1	230	24	19	1	77	5	1125
OG LCS078	.3	1	215	21	20	1	79	5	860
OG LCS079	.4	1	146	16	15	1	62	5	785
OG LCS080	.3	1	182	20	14	1	74	5	2875
OG LCS081	.5	1	171	21	18	1	77	5	3125
OG LCS082	.3	1	109	18	17	1	62	5	1485
OG LCS083	1.3	1	207	33	21	1	71	5	480
OG LCS084	1.5	1	247	43	17	1	73	5	470
OG LCS085	1.9	1	169	30	11	1	81	5	300
OG LCS086	1.3	1	155	26	18	1	59	5	115
OG LCS087	.9	1	172	21	18	1	67	5	130
OG LCS088	1.2	1	162	30	17	1	93	5	155
OG LCS089	1.6	1	206	27	14	1	110	5	215
OG LCS090	1.6	1	177	27	19	1	73	5	165
OG LCS091	1.8	1	164	44	17	1	77	5	395
OG LCS092	1.7	1	142	26	16	1	84	5	125
OG LCS093	1.8	1	122	37	13	1	78	5	100
OG LCS094	1.9	1	139	29	17	1	75	5	90
OG LCS095	1.7	1	35	38	10	1	87	5	45
OG LCS096	1.5	1	122	33	17	1	70	5	620
OG LCS097	2.0	1	165	28	19	1	90	5	200
OG LCS098	1.3	1	163	26	16	1	87	5	70
OG LCS099	1.0	1	167	27	16	1	107	5	1420
OG LCS100	1.1	1	154	23	16	1	103	5	95























**MINERAL  
ENVIRONMENTS  
LABORATORIES**  
(DIVISION OF ASSAYERS CORP.)

**SPECIALISTS IN MINERAL ENVIRONMENTS**  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

**VANCOUVER OFFICE:**  
705 WEST 15TH STREET  
NORTH VANCOUVER, B.C. CANADA V7M 1T2  
TELEPHONE (604) 980-5814 OR (604) 988-4524  
FAX (604) 980-9621

**THUNDER BAY LAB.:**  
TELEPHONE (807) 622-8958  
FAX (807) 623-5931

**SMITHERS LAB.:**  
TELEPHONE/FAX (604) 847-3004

*Assay Certificate*

0V-0755-RA1

Company: MINNOVA INC.  
Project: LAST CHANCE 622  
Attn: I.PIRIE/C.CLAYTON

Date: JUL-05-90

Copy 1. MINNOVA INC., VANCOUVER, B.C.  
2. MINNOVA INC., SAVONA, B.C.

*We hereby certify* the following Assay of 11 ROCK samples  
submitted JUN-25-90 by C.CLAYTON.

Sample Number	LOI %
OCLCL001	3.70
OCLCL002	1.35
OCLCL003	3.40
OCLCL004	6.40
OCLCL005	9.00
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OCLCL006	21.30
OCLCL014	6.50
OCLCL016	7.50
OCLCL017	12.50
OCLCL018	2.80
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OCLCL019	3.15

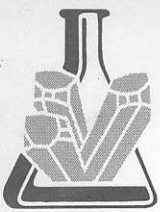
Certified by



MIN-EN LABORATORIES







**MINERAL  
ENVIRONMENTS  
LABORATORIES**  
(DIVISION OF ASSAYERS CORP.)

**SPECIALISTS IN MINERAL ENVIRONMENTS**  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

**VANCOUVER OFFICE:**  
705 WEST 15TH STREET  
NORTH VANCOUVER, B.C. CANADA V7M 1T2  
TELEPHONE (604) 980-5814 OR (604) 988-4524  
FAX (604) 980-9621

**THUNDER BAY LAB.:**  
TELEPHONE (807) 622-8958  
FAX (807) 623-5931

**SMITHERS LAB.:**  
TELEPHONE/FAX (604) 847-3004

*Assay Certificate*

OV-0782-RA1

Company: **MINNOVA INC.**  
Project: **LAST CHANCE 622**  
Attn: **IAN PIRIE/CAM CLAYTON**

Date: **JUL-09-90**  
Copy 1. **MINNOVA INC., VANCOUVER, B.C.**  
2. **MINNOVA INC., SAVONA, B.C.**

*We hereby certify* the following Assay of 13 ROCK samples submitted JUN-28-90 by CAM CLAYTON.

Sample Number	LDI %
OCLCL026	3.10
OCLCL028	5.80
OCLCL029	2.90
OCLCL030	3.70
OCLCL031	3.80
OCLCL032	5.80
OCLCL033	5.20
OCLCL034	5.80
OCLCL035	5.10
OCLCL036	7.20
OCLCL037	7.00
OCLCL039	2.95
OCLCL040	2.35

Certified by

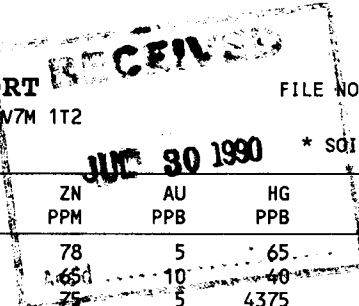
MIN-EN LABORATORIES



COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0825-SJ1+2  
 DATE: 90/07/17  
 \* SOIL \* (ACT:F31)



SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OGSR001	.2	1	100	34	28	1	78	5	65
OGSR002	.1	1	86	31	21	1	65	10	40
OGSR003	1.0	1	83	53	24	1	75	5	4375
OGSR004	.9	1	95	44	25	1	63	5	65
OGSR005	.7	1	117	28	22	1	85	5	70
OGSR006	1.0	4	149	32	24	1	80	5	195
OGSR007	1.2	1	174	42	25	1	84	5	55
OGSR008	1.0	1	139	39	25	1	65	10	65
OGSR009	1.1	1	143	33	21	1	79	5	65
OGSR010	.9	13	137	32	26	1	72	5	100
OGSR011	.9	2	180	34	28	1	75	5	75
OGSR012	.8	1	160	39	26	1	66	10	90
OGSR013	1.1	1	177	40	26	1	75	5	45
OGSR014	1.0	6	162	39	26	1	73	5	100
OGSR015	.9	2	176	38	27	1	72	5	65
OGSR016	1.4	4	198	39	29	1	80	5	200
OGSR017	1.0	1	200	41	25	1	79	5	75
OGSR018	1.2	1	196	37	24	1	77	10	50
OGSR019	.8	1	178	36	27	1	87	5	60
OGSR020	1.1	5	126	46	30	1	64	5	45
OGSR021	.9	1	118	40	28	1	65	5	30
OGSR022 MISSING	NO SAMPLE								
OGSR023	.8	3	134	35	26	1	68	10	80
OGSR024	.8	1	107	50	22	1	66	5	45
OGSR025	1.2	5	122	58	27	1	65	5	60
OGSR026	1.2	1	139	49	26	1	73	5	55
OGSR027	1.4	4	128	58	31	1	70	10	50
OGSR028	1.6	16	164	42	32	3	108	5	35
OGSR029	.8	5	141	57	33	2	70	5	60
OGSR030	.7	19	321	63	36	3	79	5	50
OGSR031	.2	3	139	44	27	1	73	5	45
OGSR032	1.1	1	184	53	24	1	64	10	50
OGSR033	.9	3	112	51	24	1	81	5	55
OGSR034	.9	1	145	52	26	1	81	5	80
OGSR035	1.3	1	171	50	29	1	78	5	70
OGSR036	1.6	8	140	45	23	1	54	5	275
OGSR037	1.5	1	145	46	25	1	77	10	80
OGSR038	1.3	6	156	39	25	1	61	5	125
OGSR039	1.3	1	139	38	24	1	78	5	65
OGSR040	1.3	2	160	31	24	1	82	5	80
OGSR041	1.2	1	174	35	21	1	78	10	70
OGSR042	1.4	1	175	30	24	1	78	10	220
OGSR043	1.4	1	151	38	23	1	74	5	55
OGSR044	1.5	1	154	30	25	1	78	5	95
OGSR045	1.3	1	131	42	24	1	69	5	105
OGSR046	1.3	7	157	33	21	1	80	5	75
OGSR047	1.3	1	157	32	23	1	79	5	85
OGSR048	1.3	8	169	24	22	1	79	5	80
OGSR049	1.5	10	185	44	29	2	60	10	150
OGSR050	1.1	4	145	28	27	1	88	5	65
OGSR051	1.1	1	145	40	24	1	68	5	115
OGSR052	1.4	10	127	39	31	1	61	5	165
OGSR053	1.3	1	72	29	29	1	79	10	65
OGSR054	1.2	1	87	30	26	1	72	10	50
OGSR055	1.5	5	121	39	27	1	80	5	45
OGSR056	1.6	3	87	39	24	1	80	5	40
OGSR057	1.3	22	69	269	27	2	96	5	205
OGSR058	1.2	10	162	32	25	1	102	5	55
OGSR059	1.1	9	85	20	26	1	70	10	45
OGSR060	1.2	1	101	29	26	1	62	5	55

COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0825-SJ3+4  
 DATE: 90/07/17  
 \* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OGSRS061	.7	1	116	27	21	1	72	5	60
OGSRS062	.4	1	85	40	29	1	70	5	65
OGSRS063	.8	1	108	27	24	1	63	5	65
OGSRS064	1.0	1	145	35	23	1	73	10	75
OGSRS065	1.1	1	136	34	23	1	79	10	130
OGSRS066	.9	1	131	30	25	1	74	5	65
OGSRS067	.8	1	146	32	25	1	78	5	65
OGSRS068	1.0	1	154	36	20	1	76	5	75
OGSRS069	1.0	1	174	44	22	1	71	5	80
OGSRS070	1.1	1	161	42	23	1	77	5	235
OGSRS071	1.0	1	177	39	23	1	74	5	75
OGSRS072	1.2	1	177	40	28	1	80	10	65
OGSRS073	1.2	1	177	42	27	1	80	5	80
OGSRS074	1.1	1	193	40	23	1	74	5	60
OGSRS075	1.1	1	205	41	22	1	74	5	90
OGSRS076	1.3	1	205	42	25	1	77	5	75
OGSRS077	1.2	1	212	39	22	1	75	5	55
OGSRS078	1.2	1	241	48	25	1	73	10	50
OGSRS079	1.0	14	127	53	28	1	70	5	50
OGSRS080	1.1	1	107	39	26	1	85	5	35
OGSRS081	1.5	3	124	53	27	1	88	5	35
OGSRS082	1.5	1	193	37	24	1	96	5	40
OGSRS083	1.5	4	132	49	26	1	73	5	60
OGSRS084	1.3	1	202	47	27	1	80	5	65
OGSRS085	1.5	5	218	47	24	1	79	10	85
OGSRS086	1.4	1	168	41	26	1	75	5	70
OGSRS087	1.4	1	171	42	26	1	70	5	80
OGSRS088	.9	1	167	29	23	1	89	5	90
OGSRS089	1.4	1	124	33	27	1	76	5	110
OGSRS090	.9	1	130	40	25	1	59	5	135
OGSRS091	.4	1	136	37	21	1	55	5	335
OGSRS092	.5	1	166	40	17	1	57	5	180
OGSRS093	.6	1	195	37	21	1	47	5	140
OGSRS094	1.0	1	159	42	26	1	62	10	190
OGSRS095	.8	1	144	38	20	1	70	5	210
OGSRS096	.8	1	119	35	21	1	63	5	165
OGSRS097	.7	1	131	33	24	1	71	5	150
OGSRS098	.3	1	245	32	27	1	59	5	130
OGSRS099	.8	1	218	40	23	1	71	5	75
OGSRS100	.5	1	259	37	23	1	68	5	135
OGSRS101	.9	4	179	36	29	1	65	5	120
OGSRS102	1.9	1	292	68	27	1	49	5	100
OGSRS103	1.0	1	90	57	25	1	88	5	185
OGSRS104	.6	1	120	46	19	1	77	10	125
OGSRS105	.4	1	110	45	18	1	72	5	115
OGSRS106	1.5	1	81	106	22	1	79	5	50
OGSRS107	1.3	1	140	63	26	1	62	5	100
OGSRS108	.8	1	148	45	24	1	83	5	60
OGSRS109	1.0	1	184	42	24	1	89	5	35
OGSRS110	1.2	1	156	35	25	1	88	5	50
OGSRS111	1.2	3	153	38	26	1	77	10	35
OGSRS112	.6	1	185	38	23	1	93	5	145
OGSRS113	1.3	5	286	39	28	1	93	5	110
OGSRS114	.9	1	191	50	25	1	81	5	130
OGSRS115	1.3	1	122	55	17	1	88	5	130
OGSRS116	1.3	1	118	53	21	1	62	5	120
OGSRS117	1.4	1	144	47	21	1	89	5	105
OGSRS118	.8	1	241	40	19	1	81	5	165
OGSRS119	.9	1	116	36	21	1	95	5	170
OGSRS120	.4	10	121	31	24	1	57	5	205

COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0825-SJ5+6  
 DATE: 90/07/17  
 \* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OGSRS121	.8	1	126	63	21	1	64	5	70
OGSRS122	.8	1	103	35	24	1	66	5	135
OGSRS123	1.1	1	212	39	25	1	58	10	65
OGSRS124	1.6	1	203	45	24	1	47	5	70
OGSRS125	1.1	1	148	34	25	1	73	5	80
OGSRS126	.9	1	136	36	20	1	67	5	75
OGSRS127	.6	1	125	34	20	1	61	5	80
OGSRS128	.6	1	112	36	20	1	52	10	110
OGSRS129	1.0	1	119	37	19	1	74	10	115
OGSRS130	.9	1	124	31	25	1	79	5	180
OGSRS131	.8	1	150	29	21	1	83	5	60
OGSRS132	1.4	1	141	45	25	1	72	10	175
OGSRS133	1.2	1	179	54	23	1	74	10	275
OGSRS134	1.6	1	139	45	22	1	89	5	155
OGSRS135	1.7	1	66	74	21	1	92	5	50
OGSRS136	1.4	1	99	50	21	1	94	5	75
OGSRS137	.7	1	150	63	28	1	88	5	15
OGSRS138	.6	1	151	74	30	1	87	5	105
OGSRS139	1.1	1	93	49	25	1	65	5	75
OGSRS140	1.0	1	78	46	22	1	76	10	43
OGSRS141	1.1	4	150	46	22	1	57	5	145
OGSRS142	.6	8	160	27	22	1	78	5	65
OGSRS143	.8	5	143	27	25	1	87	5	55
OGSRS144	.9	3	126	30	22	1	76	5	85
OGSRS145	1.2	11	103	46	21	1	56	10	205
OGSRS146	1.0	1	124	33	26	1	80	10	110
OGSRS147	.8	1	124	25	27	1	78	5	50
OGSRS148	.8	1	121	39	23	1	55	5	165
OGSRS149	1.2	1	145	36	23	1	86	10	70
OGSRS150	1.5	7	212	41	28	1	51	5	245
OGSRS151	1.1	1	87	64	28	1	72	5	85
OGSRS152	.6	1	120	52	26	1	74	5	50
OGSRS153	.9	1	155	77	24	1	78	5	55
OGSRS154	.5	1	215	36	24	1	89	5	60
OGSRS155	1.3	1	64	34	20	1	56	10	60
OGSRS156	1.2	1	115	49	22	1	60	5	55
OGSRS157	1.1	1	125	40	24	1	60	5	95
OGSRS158	.9	1	131	36	22	1	70	10	90
OGSRS159	1.0	1	134	55	16	1	65	5	80
OGSRS160	.7	1	126	36	22	1	62	5	105
OGSRS161	1.0	1	144	35	27	1	69	10	95
OGSRS162	.9	1	148	35	26	1	98	5	110
OGSRS163	.9	1	173	38	25	1	78	5	75
OGSRS164	.9	1	178	37	26	1	80	5	80
OGSRS165	1.3	1	141	59	27	1	83	10	85
OGSRS166	.6	1	125	39	30	1	81	5	95
OGSRS167	1.0	1	187	47	31	1	80	5	105
OGSRS168	.9	1	157	41	23	1	79	5	60
OGSRS169	1.2	1	216	43	26	1	98	10	90
OGSRS170	1.3	1	228	46	26	1	92	5	65
OGSRS171	1.3	1	176	44	25	1	80	5	70
OGSRS172	1.2	1	171	41	23	1	75	5	75
OGSRS173	1.2	1	184	38	24	1	84	5	80
OGSRS174	1.3	1	149	42	28	1	82	10	75
OGSRS175	.9	1	109	43	28	1	61	5	80
OGSRS176	1.0	1	155	41	25	1	57	10	60
OGSRS177	.3	1	259	39	26	1	78	5	70
OGSRS178	1.1	1	115	39	27	1	71	10	65
OGSRS179	1.0	3	188	51	27	1	86	5	90
OGSRS180	1.1	1	142	46	27	1	79	5	60

COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0825-SJ7+8  
 DATE: 90/07/17  
 \* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OGSRS181	.7	1	144	48	25	1	72	5	80
OGSRS182	1.1	1	178	57	25	1	84	10	70
OGSRS183	1.2	1	180	56	27	1	82	5	50
OGSRS184	1.8	1	121	53	28	1	86	5	65
OGSRS185	2.1	1	104	64	23	1	78	5	50
OGSRS186	1.0	1	156	30	25	1	80	5	280
OGSRS187	1.5	1	127	42	20	1	75	10	220
OGSRS188	1.2	1	151	20	27	1	72	5	75
OGSRS189	1.3	1	118	25	29	1	65	5	70
OGSRS190	1.0	1	140	33	28	1	90	5	80
OGSRS191	1.0	1	144	32	26	1	82	5	140
OGSRS192	.9	1	175	29	21	1	76	10	100
OGSRS193	1.3	1	147	40	29	1	77	5	105
OGSRS194	1.4	1	125	41	27	1	74	5	70
OGSRS195	1.8	1	60	66	28	1	61	5	75
OGSRS196	1.4	1	107	82	30	1	55	5	85
OGSRS197	1.2	1	116	78	30	1	54	10	50
OGSRS198	1.5	1	149	67	29	1	72	5	150
OGSRS199	.9	1	153	47	24	1	58	5	110
OGSRS200	1.4	1	114	66	27	1	60	5	50
OGSRS201	.7	1	141	27	20	1	66	5	70
OGSRS202	.8	1	178	32	27	1	73	5	55
OGSRS203	.8	1	145	24	23	1	61	5	115
OGSRS204	1.2	1	150	36	27	1	69	10	105
OGSRS205	.9	1	80	35	30	1	74	10	40
OGSRS206	1.3	1	131	31	26	1	72	5	85
OGSRS207	1.1	1	170	33	32	1	92	5	80
OGSRS208	1.0	1	153	31	27	1	72	5	45
OGSRS209	1.0	1	165	32	27	1	83	5	65
OGSRS210	1.1	1	123	34	25	1	71	5	80
OGSRS211	1.0	1	127	38	24	1	80	20	65
OGSRS212	1.0	1	174	38	26	1	87	10	50
OGSRS213	.7	1	144	44	28	1	67	5	85
OGSRS214	.7	1	85	41	23	1	71	5	60
OGSRS215	.5	1	241	38	22	1	70	5	45
OGSRS216	1.3	1	199	36	22	1	77	5	65
OGSRS217	1.0	1	161	32	26	1	62	5	70
OGSRS218	1.2	1	156	39	23	1	77	5	70
OGSRS219	1.2	1	151	36	28	1	65	10	60
OGSRS220	1.2	1	158	41	23	1	57	5	105
OGSRS221	1.4	2	165	33	23	1	62	5	90
OGSRS222	1.1	1	146	28	23	1	72	10	95
OGSRS223	1.5	1	143	35	24	1	73	5	70
OGSRS224	1.3	1	123	36	21	1	67	5	210
OGSRS225	.9	1	119	28	26	1	69	5	140
OGSRS226	1.4	1	129	43	24	1	66	5	230
OGSRS227	.9	1	140	22	23	1	78	5	80
OGSRS228	1.3	3	122	31	32	1	73	5	105
OGSRS229	1.6	1	133	35	26	1	71	5	130
OGSRS230	1.6	1	111	31	26	1	63	10	145
OGSRS231	.9	1	151	31	23	1	76	5	95
OGSRS232	1.3	1	135	29	24	1	74	5	185
OGSRS233	.9	1	123	35	22	1	63	5	125
OGSRS234	1.3	1	130	28	27	1	69	5	115
OGSRS235	.9	1	145	22	25	1	73	5	105
OGSRS236	1.0	1	162	36	26	1	87	5	165
OGSRS237	1.1	1	116	26	26	1	68	5	90
OGSRS238	1.0	1	100	37	24	1	57	5	250
OGSRS239	1.2	1	100	29	21	1	67	10	135
OGSRS240	1.0	1	112	26	22	1	64	5	170

COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0825-SJ9+10  
 DATE: 90/07/17  
 \* SOIL \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
OGSRS241	1.3	7	111	37	26	1	41	5	485
OGSRS242	1.0	1	121	40	24	1	47	5	355
OGSRS243	1.1	1	125	56	24	1	52	10	350
OGSRS244	1.5	1	130	44	24	1	55	5	385
OGSRS245	1.3	5	146	40	28	1	68	5	115
OGSRS246	1.2	1	183	51	23	1	64	5	305
OGSRS247	1.5	1	159	47	27	1	62	5	260
OGSRS248	1.0	1	118	37	25	1	61	10	180
OGSRS249	.8	1	112	29	22	1	67	5	115
OGSRS250	1.2	1	124	37	29	1	61	5	365
OGSRS251	1.2	1	118	41	25	1	55	5	210
OGSRS252	1.1	1	164	26	28	1	66	5	70
OGSRS253	1.3	1	171	38	29	1	66	5	110
OGSRS254	1.5	1	196	33	28	1	81	5	1395
OGSRS255	1.9	1	178	40	29	1	80	5	105
OGSRS256	1.3	1	164	38	25	1	69	5	90
OGSRS257	1.2	1	188	40	28	1	71	10	45
OGSRS258	1.0	1	240	53	24	1	75	5	50
OGSRS259	1.0	2	108	23	23	1	54	5	150
OGSRS260	.9	1	119	28	25	1	71	5	115
OGSRS261	1.0	1	116	35	25	1	68	5	130
OGSRS262	1.0	1	115	35	28	1	70	5	115
OGSRS263	.9	1	121	30	25	1	64	5	165
OGSRS264	.9	1	98	23	23	1	66	5	150
OGSRS265	.7	1	110	37	23	1	58	10	275
OGSRS266	1.0	1	123	31	22	1	71	5	115
OGSRS267	1.2	1	119	30	25	1	71	5	100
OGSRS268	1.3	8	87	33	26	1	67	5	125
OGSRS269	1.1	1	109	31	25	1	63	5	130
OGSRS270	1.0	1	104	27	23	1	62	5	100
OGSRS271	1.0	1	112	40	23	1	63	5	320
OGSRS272	.9	1	114	30	25	1	64	5	85
OGSRS273	.8	1	140	27	23	1	69	5	75
OGSRS274	1.0	1	134	25	24	1	71	10	90
OGSRS275	.9	1	149	27	30	1	77	5	75
OGSRS276	1.1	1	165	36	27	1	65	5	140
OGSRS277	1.1	1	193	32	28	1	67	5	120
OGSRS278	1.0	1	215	32	26	1	69	5	80
OGSRS279	1.1	1	174	34	32	1	66	5	75
OGSRS280	1.3	1	205	36	24	1	70	5	85
OGSRS281	1.5	1	346	42	24	1	48	5	55
OGSRS282	1.4	1	2349	31	29	1	62	5	45
OGSRS283	1.4	1	189	49	27	1	81	5	75
OGSRS284	1.6	1	163	52	27	1	67	5	100
OGSRS285	1.1	1	206	36	33	1	79	5	85
OGSRS286	1.6	1	173	39	32	1	73	5	190
OGSRS287	1.6	1	197	46	29	1	69	5	155
OGSRS288	.9	1	250	47	27	1	53	5	75
OGSRS289	1.6	1	197	34	26	1	49	5	65
OGSRS290	1.0	1	296	43	28	1	55	5	70
OGSRS291	1.1	1	172	41	28	1	50	5	95
OGSRS292	1.3	1	127	43	29	1	68	10	85
OGSRS293	1.3	1	63	56	24	1	59	5	75
OGSRS294	1.3	1	157	50	25	1	99	5	100
OGSRS295	1.3	1	186	44	26	1	81	5	70
OGSRS296	1.4	1	90	47	31	1	69	5	85
OGSRS297	.8	1	368	32	28	1	66	5	80
OGSRS298	.6	1	283	36	27	1	78	5	110
OGSRS299	1.3	1	80	25	30	1	55	5	75
OGSRS300	1.3	1	172	52	28	1	54	5	85







# MINERAL ENVIRONMENTS LABORATORIES

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**VANCOUVER OFFICE:**  
705 WEST 15TH STREET  
NORTH VANCOUVER, B.C. CANADA V7M 1T2  
TELEPHONE (604) 980-5814 OR (604) 988-4524  
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

**TIMMINS OFFICE:**  
33 EAST IROQUOIS ROAD  
P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

## Assay Certificate

OV-0911-RA1

Company: **MINNOVA INC.**  
Project: **LAST CHANCE 622**  
Attn: **I. PIRIE/C. CLAYTON**

Date: **JUL-21-90**  
Copy 1. **MINNOVA INC., VANCOUVER, B.C.**  
2. **MINNOVA INC., PENTICTON, B.C.**

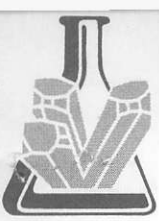
**We hereby certify the following Assay of 1 ROCK samples submitted JUL-15-90 by R. YOUNG.**

Sample Number	AU	AU
	g/tonne	oz/ton
BCS17830	*1.80	.053

\*SAMPLE CONTAINS METALLIC GOLD

Certified by \_\_\_\_\_

MIN-EN LABORATORIES



**MINERAL  
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LABORATORIES**

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TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

Assay Certificate

OV-0911-RA2

Company: **MINNOVA INC.**  
Project: **LAST CHANCE 622**  
Attn: **I. PIRIE/C. CLAYTON**

Date: **JUL-24-90**  
Copy 1. **MINNOVA INC., VANCOUVER, B.C.**  
2. **MINNOVA INC., PENTICTON, B.C.**

**We hereby certify** the following Assay of 30 ROCK samples  
submitted JUL-15-90 by R. YOUNG.

Sample Number	LOI %
BCS17811	6.90
BCS17812	11.40
BCS17813	10.10
BCS17814	10.40
BCS17815	7.20
BCS17816	5.50
BCS17817	4.10
BCS17818	6.40
BCS17819	7.00
BCS17820	6.50
BCS17821	7.10
BCS17822	8.10
BCS17823	14.50
BCS17824	13.60
BCS17825	13.50
BCS17826	10.30
BCS17841	9.10
BCS17842	6.90
BCS17844	5.60
BCS17845	6.30
BCS17856	14.90
BCS17857	9.30
BCS17858	9.40
BCS17870	4.80
BCS17885	24.60
BCS17892	8.30
BCS17893	9.60
BCS17894	8.90
BCS17895	7.60
BCS17896	9.30

Certified by \_\_\_\_\_

  
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**TIMMINS OFFICE:**  
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P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

## Assay Certificate

OV-0911-RA3

Company: **MINNOVA INC.**  
Project: **LAST CHANCE 622**  
Attn: **I. PIRIE/C. CLAYTON**

Date: **JUL-24-90**  
Copy 1. **MINNOVA INC., VANCOUVER, B.C.**  
2. **MINNOVA INC., PENTICTON, B.C.**

***He hereby certify*** the following Assay of 13 ROCK samples  
submitted JUL-15-90 by R.YOUNG.

Sample Number	LOI %
BCS17898	6.50
BCS17899	12.30
BCS17900	8.80
BCS17928	4.30
BCS17929	2.80
BCS17930	2.65
BCS17931	2.00
BCS17932	4.20
BCS17933	6.10
BCS17934	6.90
BCS17935	9.40
BCS17836	5.05
OCRL020	2.75

Certified by \_\_\_\_\_

MIN-EN LABORATORIES









**MINERAL  
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LABORATORIES LTD.**

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

**TIMMINS OFFICE:**  
33 EAST IROQUOIS ROAD  
P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

0V-0755-SG1

Company: **MINNOVA INC.**  
Project: **LAST CHANCE 622**  
Attn: **I. PIRIE/C. CLAYTON**

Date: **AUG-03-90**

Copy 1. MINNOVA INC., VANCOUVER, B.C.

**AUG 16 1990**

We hereby certify the following Geochemical Analysis of 25 SOIL samples submitted MMM-DD-YY by Ans'd .....

Sample Number	*AS PPM
OHLC5001	8
OHLC5002	8
OHLC5003	10
OHLC5004	12
OHLC5005	10
OHLC5006	5
OHLC5007	8
OHLC5008	5
OHLC5009	8
OHLC5010	15
OHLC5011	12
OHLC5012	10
OHLC5013	13
OHLC5014	17
OHLC5015	12
OHLC5016	22
OHLC5017	8
OHLC5018	15
OHLC5019	8
OHLC5020	8
OHLC5021	12
OHLC5022	8
OHLC5023	10
OHLC5024	12
OHLC5025	7

\* VAPOUR GENERATED - ATOMIC ABSORPTION

Certified by

*[Handwritten Signature]*

MIN-EN LABORATORIES



COMP: MINNOVA INC.  
 PROJ: LAST CHANCE 622  
 ATTN: I.PIRIE/C.CLAYTON

**MIN-EN LABS — ICP REPORT**  
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2  
 (604)980-5814 OR (604)988-4524

FILE NO: OV-0911-RJ3+4  
 DATE: 90/07/21  
 \* ROCK \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
BCS17801	.9	42	479	44	36	1	61	2	255
BCS17802	1.6	1	275	31	26	1	47	3	270
BCS17803	.5	47	92	29	29	1	34	1	565
BCS17804	.9	60	129	29	34	2	47	1	465
BCS17805	.8	67	248	35	29	1	34	26	685
BCS17806	.5	57	160	24	35	1	31	3	545
BCS17807	1.0	51	635	29	34	1	44	2	470
BCS17808	1.0	49	439	32	33	1	41	110	550
BCS17809	.7	57	138	29	29	1	38	1	1185
BCS17810	.8	55	285	32	30	1	34	2	935
BCS17827	.1	27	1298	34	33	2	35	1	250000
BCS17828	.4	12	889	48	28	2	24	1	77250
BCS17829	.6	61	353	36	38	5	199	2	1535
BCS17830	.9	71	512	43	31	7	37	5000	1160
BCS17831	1.0	78	256	55	31	8	45	9	17375
BCS17832	.9	24	591	7	33	5	40	1	30250
BCS17833	1.1	47	260	31	32	6	42	93	2030
BCS17834	1.2	62	610	31	29	10	37	2	1360
BCS17835	.6	53	1026	41	36	13	48	26	1735
BCS17836	1.1	68	645	40	34	12	40	3	2100
BCS17837	.9	56	830	41	35	11	47	2	2375
BCS17838	1.3	48	841	28	36	7	52	1	1630
BCS17839	1.0	53	1496	30	33	9	42	1	1250
BCS17840	1.3	59	259	34	36	6	49	2	1170
BCS17843	.8	1	412	109	37	1	56	170	1825
BCS17846	1.2	17	527	19	34	8	41	9	27375
BCS17847	.6	23	254	51	41	6	66	2	3930
BCS17848	1.1	12	210	13	28	1	39	1	485
BCS17849	.6	18	374	71	37	1	70	1	980
BCS17850	1.0	30	858	70	36	3	59	12	1215
BCS17851	.1	1	65	36	35	1	68	1	780
BCS17852	.6	11	582	23	44	1	74	3	2025
BCS17853	2.1	1	121	27	31	5	61	1	4480
BCS17854	1.0	1	394	41	37	1	67	2	770
BCS17855	.6	9	188	31	32	1	64	1	230
BCS17859	.7	59	446	21	31	1	40	2	1110
BCS17860	.9	55	267	17	27	1	37	2	8000
BCS17861	.5	59	146	26	29	1	61	4	565
BCS17862	.4	40	345	26	36	1	56	1	810
BCS17863	.7	45	230	24	33	1	48	3	725
BCS17864	.7	36	838	21	33	1	38	2	1335
BCS17865	.4	38	268	27	31	2	53	2	2695
BCS17866	.6	39	402	25	30	1	55	11	860
BCS17867	1.3	39	328	20	30	1	43	4	695
BCS17868	1.7	122	770	18	33	5	33	3	2070
BCS17869	.6	34	327	19	25	1	32	1	810
BCS17871	.4	25	280	23	27	1	48	1	910
BCS17872	.8	46	672	21	29	1	43	6	965
BCS17873	.6	29	566	24	24	1	38	2	1160
BCS17874	.5	41	381	24	29	1	43	48	1700
BCS17875	.7	67	445	32	34	9	80	2	1010
BCS17876	1.4	41	611	19	31	4	39	1	1050
BCS17877	1.0	51	280	36	37	11	56	2	1230
BCS17878	1.2	103	290	40	32	11	42	2	2555
BCS17879	.7	35	917	26	36	7	78	3	1250
BCS17880	.4	10	282	11	26	1	39	2	385
BCS17881	1.1	58	253	24	31	1	56	1	980
BCS17882	1.3	61	414	20	29	1	68	4	1000
BCS17883	.6	40	611	39	35	5	43	2	2180
BCS17884	1.0	62	484	43	34	11	59	1	3065







# MINERAL ENVIRONMENTS LABORATORIES

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

**TIMMINS OFFICE:**  
33 EAST IROQUOIS ROAD  
P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

## Assay Certificate

OV-0686-PA1

Company: MINNOVA INC.  
Project: CHINOOK MTN. 244  
Attn: C. CLAYTON

Date: AUG-10-90  
Copy 1. MINNOVA INC., VANCOUVER, B.C.

*We hereby certify* the following Assay of 1 ROCK samples  
submitted JUL-27-90 by C. CLAYTON.

Sample Number	LOI %
OTCML075	3.80

Certified by \_\_\_\_\_

MIN-EN LABORATORIES









SAMPLE	AG	AS	BA	CU	PB	SB	ZN	AU	HG
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SAMPLE	AG	AS	BA	CU	PB	SB	ZN	AU	HG
Ohlcs001	1.2	1	142	32	16	1	52	25	285
Ohlcs002	1.3	1	152	33	13	1	57	5	330
Ohlcs003	1.2	1	169	39	14	1	59	5	125
Ohlcs004	1	1	262	52	17	1	66	5	430
Ohlcs005	1.1	1	165	42	12	1	56	5	200
Ohlcs006	0.8	1	279	18	13	1	71	5	145
Ohlcs007	1.1	1	163	31	12	1	65	5	1185
Ohlcs008	1.2	1	194	30	13	1	98	5	80
Ohlcs009	1.1	1	276	37	12	1	68	5	75
Ohlcs010	0.5	1	180	26	13	1	64	5	400
Ohlcs011	0.7	1	258	33	16	1	84	10	915
Ohlcs012	1	1	236	36	15	1	72	5	975
Ohlcs013	0.6	1	242	27	17	1	72	5	4250
Ohlcs014	0.9	1	202	30	19	1	72	35	170
Ohlcs015	1	1	164	28	14	1	80	10	145
Ohlcs016	0.3	1	210	26	16	1	73	5	185
Ohlcs017	0.9	1	249	17	19	1	74	5	220
Ohlcs018	0.3	1	272	31	12	1	82	5	245
Ohlcs019	1.3	1	183	22	12	1	90	20	215
Ohlcs020	1.2	1	197	25	13	1	79	5	125
Ohlcs021	1	1	189	22	12	1	76	5	140
Ohlcs022	1.2	1	171	21	14	1	74	5	75
Ohlcs023	1.3	1	215	30	13	1	75	5	120
Ohlcs024	1.2	1	206	28	18	1	65	5	160
Ohlcs025	1.3	1	188	23	12	1	79	5	110
Ohlcs026	1.1	1	154	26	15	1	69	15	85
Ohlcs027	1.6	1	167	23	12	1	81	5	50
Ohlcs028	1.3	1	235	33	17	1	49	20	300
Ohlcs029	1.2	1	130	25	15	1	70	5	65
Ohlcs030	1	1	161	19	16	1	76	5	60
Ohlcs031	1	1	135	31	17	1	38	5	320
Ohlcs032	0.7	1	68	22	14	1	56	5	110
Ohlcs033	1	1	90	26	12	1	62	5	130
Ohlcs034	1.2	1	113	27	13	1	55	5	85
Ohlcs035	1.1	1	119	21	14	1	61	5	100
Ohlcs036	1.2	1	132	25	16	1	78	5	65
Ohlcs037	1.3	1	113	19	16	1	71	5	120
Ohlcs038	0.9	1	123	19	16	1	70	10	130
Ohlcs039	1.2	1	91	21	14	1	59	5	190
Ohlcs040	0.5	1	253	36	22	1	101	5	195
Ohlcs041	0.5	1	143	23	14	1	70	5	14000
Ohlcs042	2.3	1	123	29	14	1	74	5	210
Ohlcs043	2.4	1	103	24	14	1	63	5	160
Ohlcs044	2.7	1	128	30	14	1	76	5	35
Ohlcs045	2.9	1	121	26	14	1	68	5	250
Ohlcs046	1.4	1	246	290	24	8	56	10	230
Ohlcs047	3.2	1	148	30	14	1	75	5	105
Ohlcs048	0.6	1	494	50	14	1	93	5	110
Ohlcs049	0.7	1	194	21	15	1	76	5	110
Ohlcs050	0.5	1	300	38	17	1	109	5	95
Ohlcs051	0.1	1	301	39	19	1	85	5	190
Ohlcs052	1	1	1007	33	23	1	54	5	500
Ohlcs053	0.3	1	334	31	16	1	76	5	220
Ohlcs054	1.6	1	177	35	17	1	71	5	685
Ohlcs055	1	1	856	27	21	1	65	5	130



SAMPLE	AG	AS	BA	CU	PB	SB	ZN	AU	HG
Ohlcs056	2.6	1	98	29	14	1	68	5	120
Ohlcs057									
Ohlcs058	2.6	1	88	39	14	1	69	5	110
Ohlcs059	2.3	1	107	31	12	1	69	10	50
Ohlcs060	1.9	1	106	23	14	1	75	10	1000
Ohlcs061	2	1	130	21	14	1	93	5	80
Ohlcs062	1.4	1	128	23	14	1	69	5	65
Ohlcs063	1.2	1	133	24	14	1	66	5	1160
Ohlcs064	1.8	1	92	30	14	1	56	5	120
Ohlcs065	0.5	1	212	26	17	1	68	5	1290
Ohlcs066	0.3	1	158	25	17	1	65	5	1535
Ohlcs067	0.6	1	261	20	18	1	78	5	545
Ohlcs068	1	1	257	27	15	1	75	5	1020
Ohlcs069	0.8	1	246	22	16	1	71	5	440
Ohlcs070	0.4	1	249	21	18	1	74	60	165
Ohlcs071	0.6	1	224	28	20	1	71	5	720
Ohlcs072	0.3	1	238	18	22	1	69	5	700
Ohlcs073	0.6	1	299	18	17	1	117	5	65
Ohlcs074	0.2	1	312	18	18	1	89	5	145
Ohlcs075	0.8	1	182	21	15	1	87	10	200
Ohlcs076	0.6	1	145	19	21	1	69	5	3000
Ohlcs077	0.9	1	175	22	14	1	76	5	660
Ohlcs078	0.8	1	192	18	20	1	82	5	985
Ohlcs079	0.4	1	89	15	18	1	51	5	255
Ohlcs080	1.1	1	167	18	18	1	66	5	265
Ohlcs081	0.7	1	192	15	14	1	98	5	500
Ohlcs082	0.4	1	290	37	22	1	69	20	1100
Ohlcs083	1.4	1	127	21	15	1	67	25	85
Ohlcs084	1.2	1	111	24	14	1	59	5	225
Ohlcs085	1.5	1	127	24	17	1	68	5	275
Ohlcs086	1.8	1	124	28	14	1	70	5	195
Ohlcs087	1.8	1	101	23	14	1	63	5	230
Ohlcs088	1.4	1	133	27	20	1	64	5	915
Ohlcs089	1.2	1	138	27	18	1	66	5	410
Ohlcs090	1	1	159	18	16	1	71	5	215
Ohlcs091	1.1	1	224	22	17	1	90	5	255
Ohlcs092	0.6	1	150	19	14	1	70	5	795
Ohlcs093	0.4	1	126	16	15	1	64	5	475
Ohlcs094	0.7	1	148	20	14	1	62	5	1630
Ohlcs095	0.6	1	131	18	14	1	53	5	1750
Ohlcs096	0.8	1	121	17	15	1	62	15	620
Ohlcs097	0.7	1	149	12	20	1	70	10	710
Ohlcs098	0.5	1	155	20	16	1	66	5	2750
Ohlcs099	0.9	1	146	21	14	1	71	5	820
Ohlcs100	0.9	1	150	15	20	1	77	5	365
Ohlcs101	0.9	1	105	15	18	1	50	5	275
Ohlcs102	1	1	173	24	16	1	59	5	485
Ohlcs144	0.8	1	192	48	20	1	47	5	185
Ohlcs145	0.4	1	135	18	20	1	71	5	5
Ohlcs146	1.1	1	176	125	19	1	53	5	250
Ohlcs147	1.2	1	205	31	16	1	67	140	
Ohlcs148	0.9	1	106	21	17	1	58	5	670
Ohlcs149	1.2	1	142	30	18	1	73	5	1830
Ohlcs150	0.7	1	105	34	16	1	51	5	795
Ohlcs151	0.4	1	68	31	17	1	63	5	245
Ohlcs152	0.5	1	92	33	16	1	58	15	165

SAMPLE	AG	AS	BA	CU	PB	SB	ZN	AU	HG
Ohlcs153	0.1	1	155	34	20	1	71	5	265
Ohlcs154	1.1	1	62	37	16	1	56	5	55
Ohlcs155	1.2	1	71	33	19	1	52	5	175
Ohlcs156	1.7	1	83	36	16	1	59	5	220
Ohlcs157	1.6	1	77	33	16	1	56	5	75
Ohlcs158	1.5	1	81	35	16	1	60	5	120
Ohlcs159	1.6	1	80	29	16	1	55	10	275
Ohlcs160	1.3	1	99	37	16	1	54	5	320
Ohlcs161	1.1	1	102	27	18	1	67	5	365
Ohlcs162	1	1	104	21	17	1	73	5	935
Ohlcs163	1.3	1	99	33	18	1	53	5	145
Ohlcs164	1.1	1	100	36	17	1	54	10	120
Ohlcs165	0.8	1	111	26	22	1	58	5	140
Ohlcs166	1.3	1	98	30	18	1	48	5	10
Ohlcs167	1.2	1	108	22	20	1	73	5	210
Ohlcs168	0.7	1	210	24	20	1	78	5	155
Ohlcs169	0.1	1	300	23	21	1	56	5	1515
Ohlcs170	0.5	1	162	22	18	1	87	5	440
Ohlcs171	0.7	1	201	23	26	1	88	5	350
Ohlcs172	0.4	1	230	24	22	1	77	5	220
Ohlcs173	0.6	1	240	36	19	1	71	5	455
Ohlcs174	1.1	1	216	27	22	2	60	5	175
Ohlcs175	0.8	1	250	19	19	1	84	5	205
Ohlcs176	0.7	1	186	16	19	1	75	5	210
Ohlcs177	0.9	1	269	23	16	1	73	10	220
Ohlcs178	0.8	1	181	19	12	1	79	5	115
Ohlcs179	1.2	1	182	20	17	1	69	5	375
Ohlcs180	0.6	1	136	15	15	1	63	5	165
Ohlcs181	0.5	1	244	26	16	1	79	5	240
Ohlcs182	0.2	1	351	27	16	1	85	5	195
Ohlcs183	0.3	1	309	21	18	1	74	5	395
Ohlcs184	0.8	1	172	33	14	1	58	5	1125
Oglcs001	1.1	1	130	29	16	1	59	10	130
Oglcs002	1.6	1	145	24	16	1	73	5	555
Oglcs003	0.1	1	172	24	18	1	41	5	210
Oglcs004									
Oglcs005	1	1	180	32	17	1	64	5	450
Oglcs006	0.7	1	197	41	19	1	57	5	195
Oglcs007	0.8	1	202	35	16	1	69	5	255
Oglcs008	0.5	1	307	43	16	1	59	5	555
Oglcs009	0.3	1	239	40	14	1	48	5	225
Oglcs010	0.2	1	184	38	18	1	48	5	150
Oglcs011	0.4	1	217	41	20	1	69	5	350
Oglcs012	0.6	1	278	41	21	1	76	5	310
Oglcs013	0.1	1	359	30	19	1	80	5	7625
Oglcs014	0.6	1	199	21	19	1	79	5	325
Oglcs015	0.6	1	192	24	18	1	87	5	135
Oglcs016	0.6	1	221	22	18	1	82	60	240
Oglcs017	0.1	1	224	30	21	2	89	5	2250
Oglcs018	0.9	1	202	35	19	1	70	5	980
Oglcs019	1.6	1	242	33	17	1	52	5	945
Oglcs020	0.8	1	213	30	20	1	57	5	260
Oglcs021	1.2	1	188	24	18	1	69	5	130
Oglcs022	1	1	150	23	17	1	76	5	60
Oglcs023	1.2	1	134	24	20	1	70	5	130
Oglcs024	1	1	138	19	21	1	70	5	5

SAMPLE	AG	AS	BA	CU	PB	SB	ZN	AU	HG
Oglcs025	1.5	1	149	26	18	1	74	5	55
Oglcs026	1.1	1	160	29	19	1	78	5	5
Oglcs027	1.3	1	157	32	19	1	44	5	685
Oglcs028	0.9	1	115	32	18	1	54	5	680
Oglcs029	0.9	1	141	22	20	1	85	5	475
Oglcs030	0.7	1	110	28	17	1	74	5	305
Oglcs031	1	1	106	24	15	1	81	10	45
Oglcs032	1.1	1	106	22	14	1	71	5	730
Oglcs033	1.2	1	158	21	20	1	86	5	85
Oglcs034	1	1	135	23	22	1	78	5	65
Oglcs035	1	1	168	18	21	1	97	10	890
Oglcs036	0.9	1	152	23	20	1	90	5	15
Oglcs037	0.8	1	137	18	20	1	76	5	60
Oglcs038	0.8	1	186	24	19	1	96	25	75
Oglcs039	0.7	1	139	19	19	1	76	35	110
Oglcs040	0.3	1	128	21	16	1	71	5	670
Oglcs041	0.2	1	173	34	20	1	73	5	1830
Oglcs042	1.1	1	174	31	20	1	64	5	795
Oglcs043	0.8	1	175	30	14	1	65	5	245
Oglcs044	0.7	1	193	19	21	1	78	10	165
Oglcs045	0.5	1	219	28	20	1	73	5	265
Oglcs046	1.1	1	185	29	19	1	67	5	55
Oglcs047									
Oglcs048	1	1	182	24	15	1	77	5	175
Oglcs049	0.8	1	166	24	15	1	76	5	220
Oglcs050	0.6	1	232	22	22	1	89	15	75
Oglcs051	0.1	29	330	38	20	2	82	10	120
Oglcs052	1.1	1	132	28	15	1	68	5	275
Oglcs053	0.7	1	230	24	22	1	80	5	320
Oglcs054	0.9	1	190	23	15	1	69	5	365
Oglcs055	0.7	1	229	27	19	1	92	5	935
Oglcs056	0.8	1	262	25	20	1	84	5	145
Oglcs057	1.1	1	155	23	18	1	53	5	120
Oglcs058	1.3	1	158	27	22	1	82	5	140
Oglcs059	0.9	1	123	26	20	1	88	5	10
Oglcs060	1	1	117	26	17	1	69	5	210
Oglcs061	1.2	1	116	22	18	1	72	5	155
Oglcs062	1.5	1	119	20	15	1	74	5	1515
Oglcs063	1.5	1	114	19	20	1	73	5	440
Oglcs064	1.6	1	106	31	17	1	70	5	350
Oglcs065	1.3	1	131	29	17	1	72	5	220
Oglcs066	1.2	1	135	30	18	1	76	5	455
Oglcs067	1.2	1	123	26	23	1	89	5	175
Oglcs068	0.6	1	135	22	17	1	78	5	205
Oglcs069	0.9	1	127	22	19	1	79	5	210
Oglcs070	0.8	1	123	20	16	1	76	5	220
Oglcs071	0.2	1	125	21	14	1	77	5	115
Oglcs072	0.3	1	170	21	17	1	69	5	375
Oglcs073	0.4	1	153	21	11	1	74	5	165
Oglcs074	0.5	1	162	21	20	1	95	5	240
Oglcs075	0.6	1	177	18	20	1	73	5	195
Oglcs076	0.5	1	148	20	17	1	67	5	395
Oglcs077	0.3	1	230	24	19	1	77	5	1125
Oglcs078	0.3	1	215	21	20	1	79	5	860
Oglcs079	0.4	1	146	16	15	1	62	5	785
Oglcs080	0.3	1	182	20	14	1	74	5	2875

SAMPLE	AG	AS	BA	CU	PB	SB	ZN	AU	H
Oglcs081	0.5	1	171	21	18	1	77	5	3125
Oglcs082	0.3	1	109	18	17	1	62	5	1485
Oglcs083	1.3	1	207	33	21	1	71	5	480
Oglcs084	1.5	1	247	43	17	1	73	5	470
Oglcs085	1.9	1	169	30	11	1	81	5	300
Oglcs086	1.3	1	155	26	18	1	59	5	115
Oglcs087	0.9	1	172	21	18	1	67	5	130
Oglcs088	1.2	1	162	30	17	1	93	5	155
Oglcs089	1.6	1	206	27	14	1	110	5	215
Oglcs090	1.6	1	177	27	19	1	73	5	165
Oglcs091	1.8	1	164	44	17	1	77	5	395
Oglcs092	1.7	1	142	26	16	1	84	5	125
Oglcs093	1.8	1	122	37	13	1	78	5	100
Oglcs094	1.9	1	139	29	17	1	75	5	90
Oglcs095	1.7	1	35	38	10	1	87	5	45
Oglcs096	1.5	1	122	33	17	1	70	5	620
Oglcs097	2	1	165	28	19	1	90	5	200
Oglcs098	1.3	1	163	26	16	1	87	5	70
Oglcs099	1	1	167	27	16	1	107	5	1420
Oglcs100	1.1	1	154	23	16	1	103	5	95
Oglcs101	1.2	1	136	33	17	1	65	5	185
Oglcs102	1.2	1	159	27	20	1	80	10	5
Oglcs103	2	1	135	23	19	1	75	5	250

	AG	AS	BA	CU	PB	SB	ZN	AU	HG
MEAN	1.0	1	177	28	17	1	72	7	508
STD	0.5	2	93	19	3	0	13	11	1132
THR1	1.5	3	270	47	20	2	84	18	1640
THR2	2.0	5	363	67	23	2	97	29	2771

LC ROCK

SAMPLE	AG	AS	BA	CU	PB	SB	ZN	AUppb	HGppb
Oclcl001	0.8	1	87	58	15	1	31	5	195
Oclcl002	0.5	1	68	141	16	1	16	5	5
Oclcl003	0.4	1	45	199	16	1	28	15	170
Oclcl004	1.3	1	42	2322	16	1	15	130	720
Oclcl005	0.9	1	324	41	16	1	18	5	170
Oclcl006	2.4	1	122	15	31	6	35	15	10
Oclct007	0.4	5	91	26	19	1	41	1	115
Oclct008	0.4	1	213	24	19	1	45	2	60
Oclct009	0.7	17	382	17	22	1	42	1	145
Oclct010	0.9	10	148	16	18	1	52	2	90
Oclct011	0.6	1	95	21	15	1	61	2	160
Oclct012	0.9	1	133	26	20	1	65	1	70
Oclct013	0.8	8	85	27	22	1	60	4	140
Oclcl014	0.9	1	806	28	20	1	55	5	40
Oclct015	0.8	26	90	22	25	3	46	1	205
Oclcl016	0.8	21	80	27	20	5	35	10	5
Oclcl017	1	8	153	813	21	2	28	15	285
Oclcl018	1.9	1	45	11	10	1	12	5	5
Oclcl019	0.6	1	36	17	14	1	13	10	5
Oclcl039	0.9	11	86	178	23	1	21	10	1250
Oclcl040	2.4	1	93	14	24	1	17	10	5
Oclct041	0.6	1	117	18	16	1	52	8	440
MEAN	1.0	5	152	185	19	2	36	12	195
STD	0.6	7	166	496	4	1	17	26	282
THR1	1.5	13	318	680	23	3	53	38	477
THR2	2.1	20	483	1176	28	4	69	64	760

## LCROCMAT.

SAMPLE	SAMPLE	AL2O3	BAT	CAO	FE2O3	K2O	MGO	MNO2	NA2O	P2O5
OCLCL001	OCLCL001	15.45	0.02	6.19	10.4	0.26	2.44	0.17	3.78	0.21
OCLCL002	OCLCL002	15.58	0.01	8.8	9.59	0.44	9.51	0.14	2.78	0.28
OCLCL003	OCLCL003	15.91	0.015	4.89	10.61	0.43	1.88	0.12	3.64	0.24
OCLCL004	OCLCL004	17.51	0.015	5.43	9.02	1.07	2.12	0.11	3.44	0.23
OCLCL005	OCLCL005	15.41	0.045	7.12	10.47	1.34	2.36	0.14	1.89	0.34
OCLCL006	OCLCL006	8.58	0.015	23.99	10.91	0.39	2.93	0.35	0.91	0.28
OCLCL014	OCLCL014	18.62	0.185	6.78	6.76	1.62	2.51	0.12	4.07	0.48
OCLCL016	OCLCL016	14.83	0.02	5.82	9.26	0.37	2.17	0.17	2.86	0.25
OCLCL017	OCLCL017	18.06	0.02	5.77	8.52	0.74	2.7	0.15	1.05	0.24
OCLCL018	OCLCL018	16.26	0.03	7.66	10.92	0.52	3.37	0.14	3.04	0.26
OCLCL019	OCLCL019	17.3	0.07	3.81	3.57	1.52	1.63	0.05	4.89	0.19
OCLCL026	OCLCL026	16.24	0.135	6.04	6.34	1.9	3.71	0.12	3.71	0.35
OCLCL028	OCLCL028	15.1	0.29	5.47	7.61	5.72	5.04	0.17	1.62	0.54
OCLCL029	OCLCL029	15.65	0.16	7.45	7.68	2.58	4.21	0.11	3.96	0.7
OCLCL030	OCLCL030	15.17	0.18	7.96	7.71	2.2	4.68	0.12	3.43	0.66
OCLCL031	OCLCL031	17.94	0.165	6.3	8.13	2.3	3	0.11	4.19	0.6
OCLCL032	OCLCL032	16.86	0.225	6.63	8.11	2.18	3.98	0.15	3.4	0.52
OCLCL033	OCLCL033	16.85	0.15	6.71	8.74	2.03	4.72	0.18	3.45	0.49
OCLCL034	OCLCL034	17.92	0.19	5.8	8.2	2.13	3.21	0.15	3.75	0.47
OCLCL035	OCLCL035	16.39	0.145	6.83	9.21	1.95	4.52	0.16	3.54	0.36
OCLCL036	OCLCL036	18.14	0.24	5.6	7.25	3.12	2.74	0.13	3.37	0.75
OCLCL037	OCLCL037	17.17	0.16	8.34	6.4	2.34	3.08	0.15	3.93	0.54
OCLCL039	OCLCL039	16.98	0.06	5.08	3.71	0.65	1.61	0.06	4.8	0.19
OCLCL040	OCLCL040	15.82	0.02	6.64	10.64	0.35	4.35	0.12	3.44	0.27



SAMPLE	SI02	TI02	S	TOT(%)LOI	
OCLCL001	55.08	1.18	0.04	95.23	
OCLCL002	49.42	0.94	0.15	97.63	
OCLCL003	57.06	1.14	0.15	96.05	
OCLCL004	52.69	0.71	0.92	93.25	
OCLCL005	50.12	0.83	0.07	90.14	
OCLCL006	29.28	0.34	0.18	78.15	
OCLCL014	50.18	1.14	0.07	92.54	
OCLCL016	54.56	1.16	0.04	91.49	
OCLCL017	48.17	1.09	0.09	86.61	
OCLCL018	52.86	1.24	0.03	96.34	
OCLCL019	62.36	0.4	0.02	95.8	
OCLCL026	56.14	1	0.03	95.71	3.1
OCLCL028	50.16	1.25	0.04	93.01	5.8
OCLCL029	52.52	1.23	0.02	96.28	2.9
OCLCL030	51.76	1.24	0.04	95.14	3.7
OCLCL031	51.11	1.29	0.03	95.18	3.8
OCLCL032	50.17	1.08	0.03	93.35	5.8
OCLCL033	49.3	1.17	0.03	93.82	5.2
OCLCL034	50	1.29	0.03	93.14	5.8
OCLCL035	49.66	1.14	0.03	93.94	5.1
OCLCL036	49.32	1.18	0.04	91.88	7.2
OCLCL037	48.7	1.01	0.05	91.89	7
OCLCL039	62.62	0.4	0.03	96.18	2.95
OCLCL040	53.68	1.25	0.04	96.62	2.35

SAMPLE	AG	AS	BA	CU	PB	SB	ZN	Alppb	HGppb
0csl1001	0.4	1	60	42	21	1	48	5	50
0csl1002	0.2	1	123	37	16	1	17	5	70
0csl1003	2.2	1	131	20	14	1	66	10	120
0csl1004	1.9	1	530	40	20	1	69	5	5
0csl1005	0.9	1	162	34	23	1	58	5	5
0csl1006	2	1	179	31	29	1	66	10	20
0csl1007	1.4	15	91	26	24	1	79	5	5
0csl1008	1.7	8	222	49	25	1	76	5	70
0csl1009	1.7	2	192	34	20	1	59	10	30
0csl1010	1.4	1	137	30	19	1	68	10	45
0csl1011	1.1	1	176	48	17	1	67	5	75
0csl1012	1.4	1	64	26	17	1	53	5	30
0csl1013	1.3	1	233	24	22	1	62	10	15
0csl1014	2.4	1	207	40	16	1	74	10	5
0csl1015	1.2	12	108	47	26	1	69	5	25
0csl1016	1.6	1	55	33	19	1	49	5	30
0csl1017	1.2	9	95	39	26	1	66	5	25
OCSRT018	1.9	1	122	43	38	3	53	1	185
OCSRT019	1.1	11	58	22	28	2	52	1	130
OCSRL020	2.7	3	105	67	29	1	75	5	75
OCSRT021	1	18	104	31	19	2	10	2	105
OCSRT022	2.1	1	110	23	35	2	74	2	120
MEAN	1.5	4	148	36	23	1	60	6	56
STD	0.6	5	98	11	6	1	17	3	48
THR1	2.1	9	247	47	29	2	77	9	105
THR2	2.7	15	345	57	35	2	94	12	153

SAMPLE	AL2O3	BAT	CAO	FE2O3	K2O	MGO	MNO2	NA2O	P2O5
OCSRL001	15.41	0.115	4.94	5.19	3.79	2.07	0.09	3.37	0.75
OCSRL002	15.84	0.125	5.64	5.73	2.4	3.58	0.13	3.73	0.39
OCSRL003	16.68	0.14	6.51	8.64	2.32	5.43	0.17	3.25	0.52
OCSRL004	17.42	0.215	5.66	8.09	1.96	3.48	0.17	3.47	0.52
OCSRL005	16.87	0.18	6.6	8.2	2.39	4.21	0.16	3.51	0.51
OCSRL006	16.23	0.17	9	7.97	2.15	3.31	0.17	3.5	0.5
OCSRL007	15.61	0.13	6.91	7.09	2.68	4.26	0.13	4.12	0.63
OCSRL008	15.31	0.155	8.64	7.57	2.8	4.34	0.13	4.07	0.69
OCSRL009	15.69	0.16	7.81	7.53	2.79	4.42	0.12	4	0.7
OCSRL010	18.36	0.165	6.65	8.07	2.36	2.83	0.12	4.35	0.56
OCSRL011	15.58	0.145	7.17	7.41	2.78	4.18	0.1	3.97	0.67
OCSRL012	15.23	0.14	6.69	7.77	5.14	4.3	0.14	2.67	0.68
OCSRL013	16.97	0.21	6.45	8.03	3.09	3.77	0.15	3.39	0.53
OCSRL014	15.49	0.225	7.82	7.95	2.22	5.58	0.2	3.76	0.72
OCSRL015	15.59	0.155	7.18	7.65	3.08	4.43	0.14	4.01	0.66
OCSRL016	14.9	0.165	6.19	7.35	3.66	5.32	0.14	2.62	0.73
OCSRL017	15.64	0.17	6.67	7.58	3.06	4.15	0.13	3.66	0.6

SAMPLE	SI02	TI02	S	TOT(%)	LOI
OCSRL001	57.79	0.89	0.01	94.42	4.4
OCSRL002	58.08	0.92	0.01	96.57	2.25
OCSRL003	47.7	1.18	0.01	92.56	6.7
OCSRL004	48.64	1.27	0.01	90.9	8
OCSRL005	49.4	1.1	0.01	93.14	5.8
OCSRL006	48.07	1.05	0.02	92.14	7
OCSRL007	52.62	1.22	0.06	95.46	3.5
OCSRL008	50.87	1.21	0.09	95.88	3
OCSRL009	52.1	1.26	0.02	96.6	2.3
OCSRL010	51.32	1.31	0.02	96.11	2.9
OCSRL011	51.51	1.23	0.01	94.76	4
OCSRL012	50.22	1.27	0.02	94.26	4.7
OCSRL013	49.19	1.12	0.01	92.91	5.9
OCSRL014	48.97	1.17	0.04	94.14	5
OCSRL015	51.62	1.25	0.03	95.79	3
OCSRL016	49.6	1.2	0.06	91.93	7.1
OCSRL017	50.74	1.2	0.02	93.63	5.6