MINERAL ENVIRONMENTS LABORATORIES

Horn
822696

Division of Assayers Corp. Ltd.

DATE: July 17/92

TO: Vilinova

ATTENTION: Colin Burge
J Burger

FAX#

THE TOTAL NUMBER OF PAGES BEING SENT IS 3 INCLUDING THIS COVER LETTER.

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SPECIAL INSTRUCTIONS:

faxing 2V 0640 - RJ1, RL1

2V-0569 R

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

COMP: MINNOVA INC
PROJ: 675-CRANBROOK
ATTN: T.BERGER/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0640-RJ1
DATE: 92/07/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB	
09315	.1	1	3	7	1	1	7	15	MPY
09316	.1	1	101	39	4	1	51	1	
92-TB-110	.1	11	102	25	6	1	17	1	

COMP: MINNOVA INC
PROJ: 675-CRANBROOK
ATTN: T.BERGER/C.BURGE

MIN-EN LABS - WHOLE ROCK ANALYSIS

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4324

FILE NO: 2V-0640-RL1
DATE: 92/07/17
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09315	5.69	.005	.38	48.82	.14	.06	.01	10.48	.03	32.26	.005	.30	.60	.46
09316	9.71	.015	11.57	10.18	2.03	4.15	.44	4.06	.10	53.39	.005	.86	2.30	1.20
92-TB-110	7.08	.040	.71	1.90	4.98	.63	.04	1.90	.02	68.85	.005	.35	1.90	.47

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)
SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOLOGISTS

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0651-RG1

Company: **MINNOVA INC.**
Project: 675-CRANBROOK
Attn: T. BERGER/C. BURGE

Date: JUL-29-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., CRANBROOK, B.C.

We hereby certify the following Geochemical Analysis of 6 ROCK samples submitted JUL-15-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-109	41	230
92-TB-111	738	960
92-TB-112	823	1710
92-TB-113	1131	460
92-TB-115	43	1720
92-TB-116	57	1980

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675-CRANBROOK
ATTN: T. BERGER/C. BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0651-RJ1
DATE: 92/07/20
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-109	.7	11	84	10	9	1	20	7
92-TB-111	.1	1	158	48	142	1	112	2
92-TB-112	.6	1	291	74	190	1	187	1
92-TB-113	.6	1	230	40	130	1	92	1
92-TB-115	.1	1	290	232	121	1	13602	5
92-TB-116	.1	1	262	25	91	1	419	1

MIN • EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALIZING IN MINERAL ANALYSIS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0640-RG1

Company: **MINNOVA INC.**
Project: 675 CRANBROOK
Attn: T.BERGER/C.BURGE

Date: JUL-22-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 3 ROCK samples submitted JUL-13-92 by TOM BERGER.

Sample Number	B PPM	F PPM
09315	39	20
09316	49	340
92-TB-110	95	350

Certified by _____

MIN-EN LABORATORIES

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Geochemical Analysis Certificate

2V-0651-RG1

Company: MINNOVA INC.
Project: 675-CRANBROOK
Attn: T. BERGER/C. BURGE

Date: JUL-29-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., CRANBROOK, B.C.

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Sample Number	B PPM	F PPM
92-TB-109	41	230
92-TB-111	738	960
92-TB-112	823	1710
92-TB-113	1131	460
92-TB-115	43	1720
92-TB-116	57	1980

Certified by _____

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Geochemical Analysis Certificate

2V-0640-RG1

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: T.BERGER/C.BURGE

Date: JUL-22-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

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Sample Number	B PPM	F PPM
09315	39	20
09316	49	340
92-TB-110	95	350

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TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0569-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: JUL-22-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 19 ROCK samples submitted JUN-29-92 by T. BERGER.

Sample Number	B PPM	F PPM
92-TB-028	65	960
92-TB-029	19	590
92-TB-092	57	810
92-TB-093	160	780
92-TB-094	34	880
92-TB-095	266	800
92-TB-096	42	490
92-TB-097	27	670
92-TB-098	106	770
92-TB-099	137	690
92-TB-100	152	1140
92-TB-101	110	970
92-TB-102	110	510
92-TB-103	42	1060
92-TB-104	91	760
92-TB-105	243	720
92-TB-106	160	380
92-TB-107	38	290
92-TB-108	49	870

Certified by _____

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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0651-RG1

Company: **MINNOVA INC.**
Project: 675-CRANBROOK
Attn: T. BERGER/C. BURGE

Date: JUL-29-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., CRANBROOK, B.C.

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92-TB-109	41	230
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92-TB-112	823	1710
92-TB-113	1131	460
92-TB-115	43	1720
92-TB-116	57	1980

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675-CRANBROOK
ATTN: T. BERGER/C. BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0651-RJ1
DATE: 92/07/20
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-109	.7	11	84	10	9	1	20	7
92-TB-111	.1	1	158	48	142	1	112	2
92-TB-112	.6	1	291	74	190	1	187	1
92-TB-113	.6	1	230	40	130	1	92	1
92-TB-115	.1	1	290	232	121	1	13602	5
92-TB-116	.1	1	262	25	91	1	419	1

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PROJ: 675-CRANBROOK
ATTN: T. BERGER/C. BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0651-RL1
DATE: 92/07/20
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-109	7.07	.030	1.85	1.16	2.48	.40	.08	6.07	.03	78.08	.005	.46	1.20	.07
92-TB-111	9.44	.025	4.56	4.53	3.45	1.77	.32	4.75	.17	65.93	.010	.47	3.50	1.08
92-TB-112	9.07	.055	.78	4.51	5.35	1.43	.19	3.85	.08	69.85	.010	.46	3.70	.59
92-TB-113	9.61	.055	.72	3.27	5.75	1.09	.13	4.22	.07	70.33	.005	.47	3.30	.37
92-TB-115	7.35	.035	3.79	9.91	3.92	2.02	.30	4.00	.22	59.64	.010	.35	6.20	5.80
92-TB-116	13.36	.025	7.74	2.43	1.91	.75	.24	11.27	.05	59.61	.025	.61	1.20	.56

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS - WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0719-R.1
DATE: 92/08/07
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-114	21.07	.095	.47	3.25	6.61	1.66	.08	.46	.05	60.52	.005	.74	3.70	.04
92-TB-117	16.20	.060	1.54	3.37	2.29	1.89	.03	4.16	.14	65.84	.010	.60	2.50	.13
92-TB-118	13.32	.015	.26	1.74	.59	.58	.01	6.48	.08	75.00	.005	.55	.60	.03
92-TB-119	19.13	.150	.92	4.31	5.51	1.73	.06	1.01	.05	61.85	.010	.75	3.30	.17
92-TB-120	17.56	.080	.78	3.62	3.18	1.80	.04	1.12	.19	67.84	.005	.51	2.00	.06
92-TB-121	15.01	.020	8.15	9.63	.91	5.52	.23	2.79	.11	53.93	.005	.92	1.80	.18
92-TB-122	18.31	.005	.28	.37	11.36	.12	.01	2.72	.19	65.08	.005	.02	.60	.01
92-TB-123	14.60	.060	6.70	8.64	1.57	1.62	.15	1.69	.21	61.47	.015	1.19	1.00	.08
92-TB-127	13.92	.080	3.22	2.22	3.76	1.44	.04	2.00	.04	70.06	.015	.40	1.90	.42
92-TB-128	13.14	.060	3.12	3.80	3.07	2.04	.03	2.46	.14	68.12	.010	.47	2.40	.41
92-TB-129	17.50	.050	5.32	7.76	2.34	3.09	.13	2.45	.20	55.14	.020	.66	4.00	1.70
92-TB-130	14.95	.060	2.45	4.66	3.36	3.00	.11	1.85	.11	66.41	.015	.54	1.60	.05
92-TB-131	16.10	.045	1.81	4.07	3.56	2.06	.04	.47	.92	66.91	.005	.52	2.40	.08
92-TB-132	9.82	.050	.33	1.62	3.66	.25	.04	2.98	.01	79.73	.010	.36	.30	.02
92-TB-133	11.44	.020	2.91	1.90	.97	1.09	.03	3.58	.03	75.43	.010	.46	.80	.03
92-TB-134	13.80	.105	6.68	2.94	4.04	4.81	.09	1.80	.08	62.22	.015	.52	1.90	.01
92-TB-135	11.45	.010	8.56	11.06	.76	10.92	.25	2.37	.09	50.79	.005	.86	2.00	.02
92-TB-136	15.88	.020	7.37	8.87	1.18	7.85	.22	3.50	.03	50.32	.005	.44	3.30	.01
92-TB-137	16.73	.080	2.71	4.48	3.74	2.10	.04	2.22	.06	62.81	.015	.63	3.70	.66
92-TB-138	16.79	.090	1.15	3.78	4.46	1.57	.02	1.70	.06	65.27	.010	.65	3.30	.18
92-TB-139	16.59	.095	.35	3.74	4.60	1.48	.02	1.56	.06	67.38	.005	.59	2.70	.07
92-TB-140	16.16	.090	.50	1.82	5.23	1.54	.05	.87	.06	69.56	.005	.58	2.80	.06
92-TB-141	16.01	.075	.44	1.95	4.13	1.34	.04	1.46	.03	70.18	.010	.59	3.00	.05
92-TB-142	14.83	.060	2.15	3.09	1.68	2.05	.09	3.60	.09	68.60	.015	.52	2.30	.06
92-TB-143	17.46	.110	.32	4.14	4.26	1.06	.05	1.80	.05	65.74	.005	.65	3.30	.03
92-TB-144	22.91	.150	.10	5.51	6.66	1.14	.06	.98	.07	56.58	.005	.85	4.10	.04
92-TB-145	12.21	.055	.90	3.83	2.11	.80	.04	3.28	.03	73.99	.005	.41	1.50	.03
92-TB-146	10.76	.040	.83	2.37	1.52	.54	.03	3.22	.05	78.05	.005	.42	1.20	.04
92-TB-147	10.84	.050	.25	2.43	1.74	.40	.03	4.00	.03	77.78	.005	.47	1.20	.07
92-TB-148	21.77	.110	.52	4.58	5.08	2.11	.06	2.16	.06	61.25	.010	.80	.40	.03

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0719-RJ1+2
DATE: 92/08/08
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-114	.1	2	160	7	39	1	35	1
92-TB-117	.3	1	159	33	16	1	11	1
92-TB-118	.1	9	43	5	6	1	1	1
92-TB-119	.6	1	429	19	6	1	9	1
92-TB-120	.5	332	214	10	24	1	1	1
92-TB-121	.8	1	210	15	10	1	41	1
92-TB-122	.4	14	7	2	12	1	1	1
92-TB-123	.7	1	744	10	12	1	96	2
92-TB-127	.8	30	137	21	23	1	138	1
92-TB-128	.6	8	131	16	15	1	15	1
92-TB-129	.5	1	275	53	12	1	797	1
92-TB-130	.4	1	412	16	8	1	52	3
92-TB-131	.5	63	148	22	10	1	1	1
92-TB-132	.7	12	52	5	13	1	1	1
92-TB-133	.4	12	128	5	11	1	8	2
92-TB-134	1.7	5	117	7	10	1	1	1
92-TB-135	.3	8	22	7	10	1	13	3
92-TB-136	.1	1	60	114	15	1	7	1
92-TB-137	.9	1	196	41	5	1	1	1
92-TB-130	1.3	6	300	23	6	1	1	1
92-TB-139	.8	5	263	14	5	1	1	1
92-TB-140	1.4	4	232	4	60	1	1	2
92-TB-141	.5	7	209	7	17	1	1	1
92-TB-142	.7	1	199	12	31	1	1	1
92-TB-143	.5	8	237	8	7	1	1	1
92-TB-144	.7	1	313	20	3	1	1	5
92-TB-145	.3	2	168	13	2	1	1	1
92-TB-146	.4	2	109	3	2	1	1	2
92-TB-147	.2	10	71	7	6	1	1	1
92-TB-148	.8	1	133	7	6	1	4	2
92-TB-149	.1	1	37	65	8	1	30	9
92-TB-150	.1	1	37	51	4	1	29	8
92-TB-151	1.6	4	64	8	8	1	32	4
92-TB-152	.1	1	179	41	18	1	77	3

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS - WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0719-RL2
DATE: 92/08/08
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-149	14.14	.010	9.70	10.96	.96	6.75	.21	.94	.07	52.59	.005	.67	1.80	.03
92-TB-150	14.22	.010	9.95	10.90	.93	6.84	.21	.74	.05	52.39	.005	.67	2.00	.06
92-TB-151	15.78	.020	.27	5.00	3.13	2.63	.02	2.02	.11	65.67	.005	.62	4.10	.17
92-TB-152	12.75	.040	1.98	5.35	2.59	2.04	.11	2.42	.09	68.78	.010	.46	2.40	.74

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
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Geochemical Analysis Certificate

2V-0719-RG1

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: COLIN BURGE/TOM BERGER

Date: AUG-07-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUL-27-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-114	208	990
92-TB-117	72	790
92-TB-118	42	230
92-TB-119	232	1100
92-TB-120	4020	1990
92-TB-121	69	460
92-TB-122	72	110
92-TB-123	48	1640
92-TB-127	45	990
92-TB-128	39	1080
92-TB-129	51	2160
92-TB-130	271	1940
92-TB-131	3010	3980
92-TB-132	39	280
92-TB-133	42	940
92-TB-134	42	1250
92-TB-135	542	630
92-TB-136	60	260
92-TB-137	81	1520
92-TB-138	85	1420
92-TB-139	81	1360
92-TB-140	81	1430
92-TB-141	81	1340
92-TB-142	127	1180
92-TB-143	69	1170
92-TB-144	148	1090
92-TB-145	60	460
92-TB-146	54	410
92-TB-147	36	200
92-TB-148	84	1120

Certified by _____

MIN-EN LABORATORIES

MINERAL • ENVIRONMENTAL LABORATORIES
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705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0719-RG2

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: COLIN BURGE/TOM BERGER

Date: AUG-08-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 4 ROCK samples submitted JUL-27-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-149	43	250
92-TB-150	43	270
92-TB-151	76	770
92-TB-152	61	980

Certified by _____

MIN-EN LABORATORIES

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TELEPHONE (604) 980-5814 OR (604) 988-4524
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0741-RG1

Company: **MINNOVA INC.**
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: AUG-08-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 25 ROCK samples submitted JUL-30-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-153	99	880
92-TB-154	23	120
92-TB-155	49	480
92-TB-156	56	460
92-TB-157	87	540
92-TB-158	91	980
92-TB-159	47	1080
92-TB-160	112	930
92-TB-161	39	690
92-TB-162	39	570
92-TB-163	36	760
92-TB-164	39	960
92-TB-165	171	1060
92-TB-166	39	520
92-TB-167	56	650
92-TB-168	76	550
92-TB-169	37	470
92-TB-170	62	630
92-TB-171	85	520
92-TB-172	69	550
92-TB-173	43	460
92-TB-174	43	900
92-TB-176	79	1190
92-TB-177	63	940
92-TB-178	53	840

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0741-RL1
DATE: 92/08/08
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-153	17.52	.095	.08	4.22	4.42	1.35	.02	1.09	.05	66.10	.005	.58	3.40	.02
92-TB-154	9.90	.015	.07	1.36	.53	.30	.01	4.61	.02	80.88	.005	.45	.60	.01
92-TB-155	14.13	.050	.15	3.05	2.73	1.11	.02	2.62	.03	73.86	.005	.48	1.10	.01
92-TB-156	13.16	.040	.24	4.64	1.86	1.66	.03	2.82	.05	71.90	.005	.43	2.20	.03
92-TB-157	15.34	.075	.26	4.73	3.39	1.53	.03	1.65	.06	68.80	.005	.50	2.70	.04
92-TB-158	15.41	.075	.02	3.47	4.29	1.23	.01	1.14	.10	69.71	.005	.50	3.30	.03
92-TB-159	14.73	.025	9.34	10.03	1.75	6.64	.31	.77	.08	52.41	.005	.98	1.80	.01
92-TB-160	15.34	.065	2.04	5.49	3.81	2.15	.07	1.63	.06	65.48	.010	.60	1.90	.04
92-TB-161	15.04	.035	4.74	4.81	2.14	2.26	.09	2.36	.07	66.04	.020	.60	.90	.03
92-TB-162	13.83	.040	9.07	15.80	.85	5.53	.30	3.14	.41	47.21	.025	2.13	.60	.04
92-TB-163	13.25	.045	4.46	5.29	2.10	1.80	.11	1.80	.07	68.38	.015	.60	.90	.03
92-TB-164	13.99	.025	5.83	7.77	2.00	1.43	.11	1.07	.20	63.85	.020	1.07	1.60	.69
92-TB-165	20.84	.115	.54	3.97	5.67	1.65	.05	.96	.04	59.89	.005	.76	4.40	.03
92-TB-166	12.37	.015	8.01	18.45	.89	4.61	.34	2.18	.32	47.91	.005	3.35	.80	.11
92-TB-167	14.12	.055	.19	3.57	2.63	1.48	.03	2.77	.08	70.86	.005	.54	2.60	.04
92-TB-168	16.27	.100	.07	1.84	4.60	1.02	.02	1.43	.01	70.22	.005	.47	2.90	.02
92-TB-169	12.53	.035	1.90	3.06	2.02	.96	.03	2.94	.03	73.74	.005	.37	1.80	.07
92-TB-170	13.53	.040	2.56	2.97	2.32	.92	.03	2.91	.06	71.30	.005	.48	2.00	.31
92-TB-171	18.45	.085	.10	5.94	3.88	1.90	.04	1.26	.09	63.24	.005	.64	3.70	.06
92-TB-172	15.48	.075	.78	4.62	3.40	1.82	.05	1.14	.42	66.85	.005	.51	3.90	.05
92-TB-173	15.62	.060	5.82	3.46	1.54	1.54	.05	2.87	.11	64.84	.010	.42	2.60	.04
92-TB-174	11.95	.025	3.14	9.21	2.90	1.75	.05	.42	.19	62.70	.010	.40	6.60	3.41
92-TB-176	15.04	.085	.73	4.22	4.02	1.86	.03	1.59	.09	68.35	.010	.48	2.80	.29
92-TB-177	15.29	.065	2.98	3.20	2.42	1.58	.04	3.78	.08	67.29	.035	.41	1.70	.12
92-TB-178	13.12	.085	3.22	3.50	3.19	2.34	.03	2.36	.08	68.95	.015	.46	1.50	.10

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0741-RJ1
DATE: 92/08/10
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-153	.2	10	111	15	3	1	24	5
92-TB-154	.3	10	32	9	7	1	8	2
92-TB-155	.1	8	81	6	5	1	14	3
92-TB-156	.1	5	57	19	7	1	22	5
92-TB-157	.2	8	78	15	8	1	21	2
92-TB-158	.4	14	86	12	7	1	9	2
92-TB-159	.5	99	44	5	24	1	51	5
92-TB-160	.5	1	383	14	1	1	46	19
92-TB-161	.1	1	486	6	1	1	71	1
92-TB-162	.1	1	351	46	1	1	38	2
92-TB-163	.1	1	558	6	3	1	100	4
92-TB-164	.1	1	315	29	1	1	72	4
92-TB-165	.4	70	209	18	7	1	60	3
92-TB-166	.1	1	43	17	1	1	34	2
92-TB-167	.3	11	92	13	11	1	20	4
92-TB-168	.5	7	149	13	6	1	9	1
92-TB-169	.7	8	106	8	6	1	13	1
92-TB-170	.9	37	103	20	6	1	12	5
92-TB-171	.1	1	103	22	5	1	22	1
92-TB-172	.1	5	103	34	9	1	15	4
92-TB-173	.5	1	79	37	14	1	25	5
92-TB-174	.5	1	69	150	31	1	32	8
92-TB-176	1.0	12	175	24	5	1	31	3
92-TB-177	.8	3	105	14	12	1	35	1
92-TB-178	.7	1	110	41	2	1	30	2

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS - WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0741-RL1
DATE: 92/08/08
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-153	17.52	.095	.08	4.22	4.42	1.35	.02	1.09	.05	66.10	.005	.58	3.40	.02
92-TB-154	9.90	.015	.07	1.36	.53	.30	.01	4.61	.02	80.88	.005	.45	.60	.01
92-TB-155	14.13	.050	.15	3.05	2.73	1.11	.02	2.62	.03	73.86	.005	.48	1.10	.01
92-TB-156	13.16	.040	.24	4.64	1.86	1.66	.03	2.82	.05	71.90	.005	.43	2.20	.03
92-TB-157	15.34	.075	.26	4.73	3.39	1.53	.03	1.65	.06	68.80	.005	.50	2.70	.04
92-TB-158	15.41	.075	.02	3.47	4.29	1.23	.01	1.14	.10	69.71	.005	.50	3.30	.03
92-TB-159	14.73	.025	9.34	10.03	1.75	6.64	.31	.77	.08	52.41	.005	.98	1.80	.01
92-TB-160	15.34	.065	2.04	5.49	3.81	2.15	.07	1.63	.06	65.48	.010	.60	1.90	.04
92-TB-161	15.04	.035	4.74	4.81	2.14	2.26	.09	2.36	.07	66.04	.020	.60	.90	.03
92-TB-162	13.83	.040	9.07	15.80	.85	5.53	.30	3.14	.41	47.21	.025	2.13	.60	.04
92-TB-163	13.25	.045	4.46	5.29	2.10	1.80	.11	1.80	.07	68.38	.015	.60	.90	.03
92-TB-164	13.99	.025	5.83	7.77	2.00	1.43	.11	1.07	.20	63.85	.020	1.07	1.60	.69
92-TB-165	20.84	.115	.54	3.97	5.67	1.65	.05	.96	.04	59.89	.005	.76	4.40	.03
92-TB-166	12.37	.015	8.01	18.45	.89	4.61	.34	2.18	.32	47.91	.005	3.35	.80	.11
92-TB-167	14.12	.055	.19	3.57	2.63	1.48	.03	2.77	.08	70.86	.005	.54	2.60	.04
92-TB-168	16.27	.100	.07	1.84	4.60	1.02	.02	1.43	.01	70.22	.005	.47	2.90	.02
92-TB-169	12.53	.035	1.90	3.06	2.02	.96	.03	2.94	.03	73.74	.005	.37	1.80	.07
92-TB-170	13.53	.040	2.56	2.97	2.32	.92	.03	2.91	.06	71.30	.005	.48	2.00	.31
92-TB-171	18.45	.085	.10	5.94	3.88	1.90	.04	1.26	.09	63.24	.005	.64	3.70	.06
92-TB-172	15.48	.075	.78	4.62	3.40	1.82	.05	1.14	.42	66.85	.005	.51	3.90	.05
92-TB-173	15.62	.060	5.82	3.46	1.54	1.54	.05	2.87	.11	64.84	.010	.42	2.60	.04
92-TB-174	11.95	.025	3.14	9.21	2.90	1.75	.05	.42	.19	62.70	.010	.40	6.60	3.41
92-TB-176	15.04	.085	.73	4.22	4.02	1.86	.03	1.59	.09	68.35	.010	.48	2.80	.29
92-TB-177	15.29	.065	2.98	3.20	2.42	1.58	.04	3.78	.08	67.29	.035	.41	1.70	.12
92-TB-178	13.12	.085	3.22	3.50	3.19	2.34	.03	2.36	.08	68.95	.015	.46	1.50	.10

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0741-RJ1
DATE: 92/08/10
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-153	.2	10	111	15	3	1	24	5
92-TB-154	.3	10	32	9	7	1	8	2
92-TB-155	.1	8	81	6	5	1	14	3
92-TB-156	.1	5	57	19	7	1	22	5
92-TB-157	.2	8	78	15	8	1	21	2
92-TB-158	.4	14	86	12	7	1	9	2
92-TB-159	.5	99	44	5	24	1	51	5
92-TB-160	.5	1	383	14	1	1	46	19
92-TB-161	.1	1	486	6	1	1	71	1
92-TB-162	.1	1	351	46	1	1	38	2
92-TB-163	.1	1	558	6	3	1	100	4
92-TB-164	.1	1	315	29	1	1	72	4
92-TB-165	.4	70	209	18	7	1	60	3
92-TB-166	.1	1	43	17	1	1	34	2
92-TB-167	.3	11	92	13	11	1	20	4
92-TB-168	.5	7	149	13	6	1	9	1
92-TB-169	.7	8	106	8	6	1	13	1
92-TB-170	.9	37	103	20	6	1	12	5
92-TB-171	.1	1	103	22	5	1	22	1
92-TB-172	.1	5	103	34	9	1	15	4
92-TB-173	.5	1	79	37	14	1	25	5
92-TB-174	.5	1	69	150	31	1	32	8
92-TB-176	1.0	12	175	24	5	1	31	3
92-TB-177	.8	3	105	14	12	1	35	1
92-TB-178	.7	1	110	41	2	1	30	2

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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
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0741-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: AUG-08-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 25 ROCK samples submitted JUL-30-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-153	99	880
92-TB-154	23	120
92-TB-155	49	480
92-TB-156	56	460
92-TB-157	87	540
92-TB-158	91	980
92-TB-159	47	1080
92-TB-160	112	930
92-TB-161	39	690
92-TB-162	39	570
92-TB-163	36	760
92-TB-164	39	960
92-TB-165	171	1060
92-TB-166	39	520
92-TB-167	56	650
92-TB-168	76	550
92-TB-169	37	470
92-TB-170	62	630
92-TB-171	85	520
92-TB-172	69	550
92-TB-173	43	460
92-TB-174	43	900
92-TB-176	79	1190
92-TB-177	63	940
92-TB-178	53	840

Certified by _____

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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0770-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: AUG-25-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 5 ROCK samples submitted AUG-05-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-175	91	600
92-TB-179	99	470
92-TB-180	103	740
92-TB-181	192	1060
92-TB-182	106	750

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0770-RJ1
DATE: 92/08/18
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-175	.7	1	1711	16	42	1	1292	1
92-TB-179	.5	1	358	24	22	1	67	1
92-TB-180	.4	1	368	19	11	1	73	2
92-TB-181	.5	3	247	12	27	1	59	2
92-TB-182	.1	10	226	23	8	1	29	1

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0770-RL1
DATE: 92/08/22
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-175	13.65	.140	.64	2.99	2.73	1.66	.03	2.85	.08	70.99	.005	.46	2.60	.06
92-TB-179	16.03	.095	.02	2.54	4.69	1.24	.02	1.37	.04	69.24	.005	.58	3.10	.01
92-TB-180	13.38	.075	.48	4.49	2.98	1.37	.04	1.58	.09	71.09	.005	.49	3.30	.02
92-TB-181	14.68	.065	.76	4.05	3.01	2.36	.05	2.01	.08	68.46	.010	.53	2.70	.01
92-TB-182	14.43	.070	.18	3.90	3.03	1.39	.01	2.23	.09	70.00	.005	.52	3.20	.01

MIN-EN 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

SMITHERS LAB.:
3178 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0916-RG1

Company: **MINNOVA INC.**
Project: CRANBROOK-675
Attn: COLIN BURGE

Date: SEP-17-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 4 ROCK samples submitted AUG-31-92 by C. BURGE.

Sample Number	B PPM	F PPM
92-TB-183	132	960
92-TB-184	116	810
92-TB-185	55	340
92-TB-186	139	600

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0916-RJ1
DATE: 92/09/05
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-183	.4	1	289	35	22	1	143	2
92-TB-184	.2	1	246	22	24	1	65	3
92-TB-185	.1	711	78	40	20	1	50	6
92-TB-186	.5	1	206	29	76	1	148	3

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0916-RL1
DATE: 92/09/17
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
92-TB-183	14.52	.060	1.69	4.66	3.43	1.81	.06	2.09	.08	67.12	.50	2.90	1.10	99.00
92-TB-184	14.15	.070	.76	3.77	3.94	1.60	.05	1.46	.09	70.09	.48	2.50	.57	99.02
92-TB-185	13.22	.035	4.29	4.67	1.87	1.89	.17	4.16	.08	66.17	.47	2.50	1.21	99.43
92-TB-186	13.54	.070	.76	3.29	3.65	1.22	.03	2.07	.08	70.43	.46	3.30	.89	99.10

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0916-RL1
DATE: 92/09/05
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
92-TB-183	14.52	.060	1.69	4.66	3.43	1.81	.06	2.09	.08	67.12	.50	2.90	1.10	98.92
92-TB-184	14.15	.070	.76	3.77	3.94	1.60	.05	1.46	.09	70.09	.48	2.50	.57	98.95
92-TB-185	13.22	.035	4.29	4.47	1.87	1.89	.17	4.16	.08	66.17	.47	2.50	1.21	99.32
92-TB-186	13.54	.070	.76	3.29	3.65	1.22	.03	2.07	.08	70.43	.46	3.30	.89	98.91

MIN-EN 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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-9005

Geochemical Analysis Certificate

2V-0569-RG1

Company: **MINNOVA INC.**
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: JUL-22-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 19 ROCK samples submitted JUN-29-92 by T. BERGER.

Sample Number	B PPM	F PPM
92-TB-028	65	960
92-TB-029	19	590
92-TB-092	57	810
92-TB-093	160	780
92-TB-094	34	880
92-TB-095	266	800
92-TB-096	42	490
92-TB-097	27	670
92-TB-098	106	770
92-TB-099	137	690
92-TB-100	152	1140
92-TB-101	110	970
92-TB-102	110	510
92-TB-103	42	1060
92-TB-104	91	760
92-TB-105	243	720
92-TB-106	160	380
92-TB-107	38	290
92-TB-108	49	870

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
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VANCOUVER OFFICE:
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0640-RG1

Company: **MINNOVA INC.**
Project: 675 CRANBROOK
Attn: T.BERGER/C.BURGE

Date: JUL-22-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 3 ROCK samples submitted JUL-13-92 by TOM BERGER.

Sample Number	B PPM	F PPM
09315	39	20
09316	49	340
92-TB-110	95	350

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0569-RJ1
DATE: 92/07/06
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-028	.1	1	153	43	38	1	159	1
92-TB-029	.3	4	26	7	77	1	19	1
92-TB-092	.1	1	198	28	76	1	140	5
92-TB-093	.9	1	129	24	711	1	735	1
92-TB-094	.6	1	191	18	1	1	75	1
92-TB-095	.1	1	341	39	37	1	447	2
92-TB-096	.1	1	63	41	45	1	45	3
92-TB-097	.1	1	104	71	20	1	50	1
92-TB-098	.2	1	169	13	8	1	58	2
92-TB-099	.2	1	117	16	34	1	51	1
92-TB-100	.2	1	156	13	97	1	57	1
92-TB-101	.8	1	115	38	428	1	424	3
92-TB-102	.1	1	92	33	96	1	377	1
92-TB-103	.1	1	92	17	18	1	100	1
92-TB-104	.2	1	203	25	102	1	205	1
92-TB-105	.2	1	155	32	38	1	115	2
92-TB-106	1.1	9	47	54	326	1	205	1
92-TB-107	.2	1	180	24	1	1	45	1
92-TB-108	.2	1	85	30	16	1	89	1

JUL 15 1992

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0569-RL1
DATE: 92/07/07
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-028	12.55	.015	3.36	5.96	1.98	2.69	.13	2.39	.11	66.70	.015	.42	2.60	1.27
92-TB-029	10.25	.010	4.40	2.13	1.58	.66	.06	2.34	.13	75.82	.005	.26	1.30	.03
92-TB-092	13.90	.055	2.37	5.20	3.05	1.66	.11	2.95	.09	67.81	.010	.45	1.70	.52
92-TB-093	11.78	.020	1.96	5.73	2.28	1.98	.15	1.77	.10	69.93	.010	.39	2.80	.57
92-TB-094	13.96	.020	7.42	10.75	1.70	4.66	.19	1.24	.13	56.40	.005	1.00	1.60	.37
92-TB-095	11.92	.035	1.34	5.85	1.87	2.12	.11	2.71	.06	69.92	.010	.39	2.90	.52
92-TB-096	9.61	.015	.35	4.36	1.57	1.09	.01	2.28	.03	76.70	.010	.35	2.70	.09
92-TB-097	9.97	.045	2.89	4.52	2.11	1.33	.07	1.57	.04	73.12	.010	.32	3.00	.66
92-TB-098	12.34	.050	2.07	3.35	2.16	1.75	.06	2.59	.15	72.51	.015	.43	1.60	.09
92-TB-099	11.29	.025	1.65	3.69	2.48	1.93	.09	.87	.05	74.07	.005	.39	2.60	.06
92-TB-100	15.83	.045	2.38	4.05	3.67	2.28	.09	1.35	.12	65.32	.005	.52	3.30	.07
92-TB-101	11.83	.015	1.81	6.43	2.00	2.10	.16	2.24	.13	67.63	.010	.42	4.30	.98
92-TB-102	10.24	.025	1.51	5.50	2.06	1.41	.11	1.21	.02	73.78	.005	.36	2.70	1.15
92-TB-103	13.22	.025	1.78	4.71	1.40	2.48	.09	3.48	.08	69.26	.015	.43	2.40	.08
92-TB-104	12.09	.050	1.98	4.52	2.75	1.89	.08	1.81	.10	71.66	.010	.40	1.60	.36
92-TB-105	12.72	.025	2.43	4.91	2.63	1.94	.10	1.36	.12	69.79	.005	.44	2.60	.49
92-TB-106	9.25	.020	2.34	4.21	2.48	1.06	.06	1.36	.03	75.33	.010	.29	2.90	.96
92-TB-107	13.52	.015	8.18	11.39	1.11	6.68	.23	1.77	.08	53.09	.005	.86	2.20	.66
92-TB-108	12.82	.020	2.37	5.63	1.69	1.92	.07	3.01	.11	68.61	.020	.45	2.60	.64

COMP: MINNOVA INC
PROJ: 675-CRANBROOK
ATTN: T.BERGER/C.BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0640-RL1
DATE: 92/07/17
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09315	5.69	.005	.38	48.82	.14	.06	.01	10.48	.03	32.26	.005	.30	.60	.46
09316	9.71	.015	11.57	10.18	2.03	4.15	.44	4.06	.10	53.39	.005	.86	2.30	1.20
92-TB-110	7.08	.040	.71	1.90	4.98	.63	.04	1.90	.02	68.85	.005	.35	1.90	.47

COMP: MINNOVA INC
PROJ: 675-CRANBROOK
ATTN: T.BERGER/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0640-RJ1
DATE: 92/07/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
09315	.1	1	3	7	1	1	7	15
09316	.1	1	101	39	4	1	51	1
92-TB-110	.1	11	102	25	6	1	17	1

ENVIRONMENTAL LABORATORIES
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0535-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: JUN-30-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify **the following Geochemical Analysis of 26 ROCK samples submitted JUN-22-92 by T. BERGER.**

Sample Number	B PPM	P PPM
92-TB-075	11	560
92-TB-076	11	1040
92-TB-077	48	900
92-TB-078	4	280
92-TB-079	22	450
92-TB-080	37	760
92-TB-081	44	490
92-TB-082	15	930
92-TB-083	19	740
92-TB-084	85	880
92-TB-085	152	980
92-TB-086	133	870
92-TB-087	63	760
92-TB-088	23	390
92-TB-089	44	640
92-TB-090	67	750
92-TB-091	76	560
09306	37	230
09307	33	440
09308	144	480
09309	30	300
09310	30	220
09311	56	790
09312	48	790
09313	104	830
09314	56	1120

Certified by _____

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0535-RJ1
DATE: 92/06/30
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-075	.1	1	76	131	8	1	38	1
92-TB-076	.1	1	151	42	151	1	78	1
92-TB-077	.1	1	169	10	2	1	24	1
92-TB-078	.1	1	70	41	9	1	28	1
92-TB-079	.1	1	91	13	6	1	34	1
92-TB-080	.1	1	119	23	4	1	40	1
92-TB-081	.1	1	65	87	4	1	42	1
92-TB-082	.1	1	393	9	1	1	62	1
92-TB-083	.1	1	65	9	1	1	20	1
92-TB-084	.1	1	135	24	17	1	77	1
92-TB-085	.1	1	131	25	24	1	90	3
92-TB-086	.1	8	135	30	21	1	64	1
92-TB-087	.1	1	250	46	7	1	53	17
92-TB-088	.1	1	42	69	1	1	59	4
92-TB-089	.1	1	70	18	6	1	31	4
92-TB-090	.1	1	80	25	2	1	26	3
92-TB-091	.1	1	134	10	4	1	31	1
09306	.1	1	65	29	25	1	73	2
09307	.1	5	141	22	8	1	58	1
09308	.1	1	101	27	13	1	22	2
09309	.1	1	90	31	13	1	68	3
09310	.1	1	100	34	8	1	15	1
09311	.1	1	169	30	11	1	65	6
09312	.1	1	143	27	6	1	40	1
09313	.1	3	130	33	15	1	68	1
09314	.1	1	223	28	3	1	89	1

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS - WHOLE ROCK ANALYSIS
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 2V-0535-RL1
DATE: 92/06/30
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-075	12.82	.035	.32	4.01	1.57	1.61	.05	3.54	.06	71.72	.010	.40	2.80	.06
92-TB-076	14.30	.030	.89	5.87	1.39	2.69	.07	4.81	.12	66.11	.010	.47	2.20	.07
92-TB-077	23.90	.145	.15	4.11	7.21	1.51	.05	1.55	.07	55.81	.005	.77	4.10	.03
92-TB-078	9.91	.035	.26	5.11	1.18	.87	.04	3.05	.04	78.83	.005	.31	1.40	.05
92-TB-079	14.57	.060	.26	3.62	2.77	1.14	.04	2.82	.05	71.12	.005	.43	2.20	.04
92-TB-080	14.87	.085	.83	3.47	3.99	2.29	.06	2.99	.11	67.11	.010	.48	3.00	.04
92-TB-081	12.81	.040	.96	2.54	2.01	1.45	.08	3.90	.07	73.12	.010	.42	1.70	.05
92-TB-082	15.17	.075	3.51	4.99	3.44	2.18	.08	1.69	.10	65.30	.015	.57	1.90	.06
92-TB-083	15.44	.045	.10	4.00	2.94	2.51	.02	2.24	.06	68.20	.005	.51	3.10	.07
92-TB-084	16.55	.065	.56	5.58	3.18	2.30	.06	2.95	.12	63.81	.010	.57	3.40	.10
92-TB-085	15.30	.060	.25	5.80	3.05	2.28	.05	2.67	.10	65.34	.010	.49	3.60	.09
92-TB-086	14.01	.045	1.43	4.22	3.96	1.71	.08	.65	.05	70.03	.005	.49	2.50	.24
92-TB-087	17.56	.115	.28	4.35	4.95	1.59	.04	1.19	.04	64.84	.005	.54	3.50	.10
92-TB-088	12.13	.010	7.83	19.47	.68	3.42	.31	2.52	.12	49.44	.005	2.41	1.00	.11
92-TB-089	14.76	.045	.92	3.19	3.80	1.22	.04	1.27	.03	70.92	.005	.48	2.30	.05
92-TB-090	15.83	.040	.20	4.07	3.23	2.60	.04	2.62	.12	66.93	.005	.54	2.90	.08
92-TB-091	14.81	.070	.33	2.67	3.54	1.05	.03	2.14	.06	72.24	.010	.38	2.10	.05
09306	8.67	.040	.62	2.98	2.05	.23	.03	1.97	.02	80.07	.005	.33	2.10	.68
09307	11.39	.025	1.66	3.68	1.47	.93	.06	3.60	.04	74.98	.015	.29	1.20	.24
09308	15.59	.070	1.50	1.99	3.18	.66	.03	3.49	.03	70.34	.015	.25	2.00	.25
09309	8.61	.030	.63	3.24	1.08	.35	.03	3.26	.04	80.63	.010	.28	1.10	.40
09310	10.43	.035	.52	2.42	1.70	.31	.02	3.06	.04	79.20	.005	.24	1.40	.37
09311	14.35	.080	1.85	3.81	3.97	1.57	.06	2.70	.11	68.27	.010	.51	2.00	.66
09312	14.16	.075	1.25	3.58	3.65	1.41	.04	2.95	.08	68.99	.010	.45	2.50	.67
09313	14.87	.070	1.10	4.73	4.33	1.66	.06	1.87	.11	66.53	.010	.49	3.20	.67
09314	14.54	.065	1.85	5.11	4.01	2.12	.07	2.18	.13	66.45	.010	.48	2.10	.50

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(DIVISION OF ASSAYERS CORP.)

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VANCOUVER OFFICE:
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0451-RG1

Company: MINNOVA
Project: 675 CRANBROOK
Attn: COLIN BURGE/CARY WELLS

Date: JUN-23-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 17 ROCK samples submitted JUN-04-92 by C. BURGE.

RECEIVED
JUN 26 1992
Ans'd .....

Sample Number	B PPM	F PPM
92 TB 001	95	700
92 TB 002	30	530
92 TB 003	67	550
92 TB 004	239	830
92 TB 005	31	580
92 TB 006	96	850
92 TB 007	86	820
92 TB 008	61	790
92 TB 009	67	780
92 TB 010	43	540
92 TB 011	32	940
92 TB 012	6	870
92 TB 013	186	1080
92 TB 014	34	790
92 TB 015	16	550
92 TB 016	10	660
92 TB 017	41	730

Certified by _____

COMP: MINNOVA
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/CARY WELLS

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0451-RL1
DATE: 92/06/23
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92 TB 001	13.25	.065	.60	4.51	2.96	1.35	.03	1.86	.07	71.75	.010	.50	2.10	.08
92 TB 002	12.58	.065	3.01	6.92	3.40	.80	.07	1.90	.11	68.77	.010	.65	1.00	.06
92 TB 003	13.87	.080	3.50	6.37	3.73	.98	.08	2.74	.11	65.08	.005	.68	1.90	.04
92 TB 004	17.40	.105	.56	4.19	4.82	1.88	.05	1.21	.05	64.87	.010	.67	3.20	.07
92 TB 005	15.15	.050	4.05	2.96	1.77	1.11	.06	3.00	.06	69.08	.020	.54	1.30	.12
92 TB 006	15.12	.105	1.34	4.99	4.20	2.07	.07	1.10	.10	67.29	.010	.55	2.10	.07
92 TB 007	19.44	.110	.10	4.00	5.55	1.88	.05	.71	.04	62.55	.010	.74	3.80	.03
92 TB 008	15.90	.080	.77	3.74	3.92	1.85	.04	1.26	.08	68.18	.015	.56	2.60	.08
92 TB 009	14.81	.085	.22	3.74	3.52	1.00	.02	1.82	.06	70.66	.010	.50	2.50	.06
92 TB 010	15.19	.095	1.13	4.24	4.38	1.71	.04	2.06	.10	67.22	.010	.57	2.60	.06
92 TB 011	12.58	.050	1.37	3.39	2.58	1.50	.02	2.09	.08	72.52	.015	.43	2.20	.04
92 TB 012	12.72	.090	4.69	3.68	3.71	3.35	.06	1.40	.09	66.34	.010	.48	2.30	.03
92 TB 013	15.20	.100	1.70	4.67	3.74	2.46	.09	2.27	.12	66.17	.015	.55	2.10	.11
92 TB 014	15.23	.055	4.38	4.02	3.00	2.44	.14	1.67	.13	66.03	.010	.57	1.40	.05
92 TB 015	16.10	.030	1.94	3.88	2.31	1.50	.11	5.32	.14	65.90	.010	.58	1.50	.06
92 TB 016	13.29	.060	7.90	16.18	1.24	5.07	.44	3.08	.47	47.59	.015	2.27	1.50	.06
92 TB 017	14.99	.060	2.85	5.58	3.22	2.10	.07	2.09	.20	65.49	.015	.54	2.10	.14

COMP: MINNOVA
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/CARY WELLS

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0451-RJ1
DATE: 92/06/23
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92 TB 001	.1	8	166	51	26	1	59	4
92 TB 002	.1	1	204	44	8	1	61	1
92 TB 003	.2	1	130	45	7	1	52	4
92 TB 004	.4	6	269	14	11	1	39	2
92 TB 005	.6	1	274	17	1	1	96	4
92 TB 006	.3	1	454	24	7	1	64	6
92 TB 007	.3	1	187	9	2	1	37	3
92 TB 008	.3	1	184	14	6	1	42	1
92 TB 009	.1	1	175	20	6	1	30	1
92 TB 010	.4	1	164	19	5	1	36	1
92 TB 011	.4	1	160	24	11	1	23	2
92 TB 012	.7	1	129	16	10	1	9	1
92 TB 013	.4	17	396	12	285	1	70	1
92 TB 014	.6	1	172	7	79	1	95	1
92 TB 015	1.6	1	117	14	335	1	64	1
92 TB 016	.8	1	198	37	4	1	67	6
92 TB 017	.3	1	347	18	7	1	53	3

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0452-RG1

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: G.WELLS/C.BURGE

Date: JUN-23-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUN-04-92 by G. WELLS.

Sample Number	B PPM	F PPM
09251	1630	270
09252	61	530
09253	1	570
09254	12	930
09255	15	710
09256	11	490
09257	16	590
09258	19	720
09259	21	840
09260	93	470
09261	55	1010
09262	8	880
09263	115	440
09264	80	330
09265	13	370
09266	12	360
09267	15	1090
09268	1	1260
09269	17	880
09270	14	830
09271	14	960
09272	19	830
09273	26	600
09274	21	400
09275	8	80
09276	76	260
09277	5	530
09278	1	60
09279	2	1720
09280	20	1820

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TELEPHONE (604) 847-3004
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Geochemical Analysis Certificate

2V-0452-RG2

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: G.WELLS/C.BURGE

Date: JUN-23-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 7 ROCK samples submitted JUN-04-92 by G. WELLS.

Sample Number	B PPM	F PPM
09281	47	890
09282	1	90
09283	11	1050
09284	78	840
09376	2070	440
09377	5700	590
09378	52	690

Certified by _____

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0452-RJ1
DATE: 92/06/23
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
09251	.1	32	32	87	9	1	48	7
09252	.1	1	5	211	14	1	70	4
09253	.1	1	18	82	17	1	284	4
09254	.1	1	223	60	14	1	181	5
09255	.1	1	154	105	15	1	66	9
09256	.1	1	54	437	14	1	29	3
09257	.1	1	213	35	14	1	62	1
09258	.1	1	234	45	5	1	69	1
09259	.1	1	129	41	1	1	159	1
09260	.3	1	80	37	9	1	129	1
09261	.1	1	83	125	28	1	8461	1
09262	.1	1	82	93	9	1	180	3
09263	.1	522	37	72	4	1	62	50
09264	.1	1	54	297	4	1	56	1
09265	.1	1	63	357	2	1	56	1
09266	.1	1	93	339	3	1	54	1
09267	.1	50	92	41	4	1	24	1
09268	.1	1	94	41	4	1	28	1
09269	.1	2	79	68	6	1	53	20
09270	.2	1	180	37	15	1	45	2
09271	.1	1	138	30	18	1	63	1
09272	.1	1	73	215	131	1	98	9
09273	.3	1	90	71	21	1	60	1
09274	.1	3	22	8	2	1	13	4
09275	.1	1	8	2	3	1	4	3
09276	.1	1	37	51	1	1	36	1
09277	1.5	1	54	64	78	1	39	24
09278	.1	4	3	19	3	1	4	2
09279	.1	1	173	36	14	1	96	4
09280	.1	1	215	49	26	1	108	3
BLK	1.7	23	1	1	3	2	6	5

COmP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0452-RJ2
DATE: 92/06/23
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
09281	.1	6	197	46	118	1	81	1
09282	.1	11	5	19	6	1	19	1
09283	.1	1	198	253	1141	1	11008	1
09284	.1	1	141	26	43	1	316	1
09376	.1	1	148	28	40	1	113	1
09377	.1	9	153	17	16	1	43	1
09378	.5	542	241	6	29	1	128	2

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0452-RL1
DATE: 92/06/23
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09251	13.51	.010	8.72	12.47	.77	7.56	.21	1.50	.09	50.95	.005	.83	2.10	1.18
09252	10.48	.005	9.69	10.01	.06	1.99	.27	.03	.21	59.34	.005	.44	6.30	4.80
09253	10.00	.005	7.72	6.93	.62	2.45	.16	.16	.17	68.27	.005	.47	2.40	1.79
09254	11.73	.025	2.08	8.27	1.95	2.15	.09	2.77	.11	67.47	.015	.45	1.70	1.57
09255	11.89	.045	.56	7.83	2.37	1.42	.03	2.08	.15	66.41	.010	.46	5.80	2.02
09256	5.57	.010	.88	19.19	.84	1.12	.02	.99	.31	57.75	.005	.22	12.30	11.80
09257	11.78	.040	1.43	5.11	1.81	1.67	.04	2.88	.06	71.86	.015	.40	2.00	.77
09258	11.86	.020	2.21	5.60	1.77	2.22	.06	2.66	.09	69.16	.020	.40	2.40	.95
09259	13.95	.020	7.69	13.18	1.55	5.95	.24	.38	.14	51.77	.005	1.02	3.20	.64
09260	13.65	.020	8.26	10.39	1.11	4.72	.21	2.00	.14	55.53	.010	1.18	1.80	.58
09261	11.33	.015	4.06	9.13	1.42	1.86	.05	1.68	.09	62.88	.015	.33	5.10	3.60
09262	13.07	.020	7.19	9.34	1.38	3.15	.13	.71	.16	58.78	.010	1.36	3.70	1.37
09263	1.60	.005	.55	5.21	.37	.60	.03	.01	.04	88.42	.005	.24	1.40	1.54
09264	13.27	.020	8.04	13.59	1.22	6.12	.23	1.25	.08	50.41	.005	.68	4.00	1.58
09265	13.06	.015	7.61	13.95	1.11	6.06	.22	1.34	.10	50.27	.005	.70	4.50	2.54
09266	13.17	.015	8.00	15.75	1.15	5.83	.21	1.18	.07	48.50	.005	.66	4.10	2.23
09267	13.68	.050	3.67	3.97	2.94	2.24	.02	2.17	.13	67.06	.010	.53	2.50	1.00
09268	13.10	.070	2.75	4.57	3.73	2.71	.02	1.60	.13	67.31	.010	.52	2.20	.77
09269	10.40	.035	.84	5.61	2.31	2.04	.04	.95	.09	73.00	.005	.37	3.40	1.34
09270	13.74	.090	1.97	3.78	4.07	1.54	.05	1.68	.05	69.67	.020	.45	2.00	.55
09271	10.77	.030	1.05	4.13	1.89	1.56	.07	2.08	.03	75.12	.015	.39	1.90	.41
09272	18.95	.025	10.10	10.40	1.84	2.97	.13	1.69	.35	47.81	.015	.70	4.30	3.30
09273	13.06	.045	6.87	9.41	1.48	3.01	.15	1.38	.16	58.18	.005	1.23	4.00	1.44
09274	18.16	.010	.12	5.91	.40	1.17	.01	8.88	.10	60.75	.010	.50	3.00	.98
09275	16.52	.005	.01	4.79	.12	.11	.01	9.49	.05	65.88	.005	.09	2.00	2.10
09276	15.07	.010	8.55	11.14	.39	6.50	.18	1.76	.09	51.86	.005	.85	2.70	.82
09277	12.51	.015	7.97	4.40	1.01	1.79	.09	.59	.14	64.30	.005	1.33	5.00	.52
09278	.09	.005	.01	.76	.01	.02	.01	.01	.02	97.45	.005	.04	.40	.03
09279	12.61	.025	2.82	4.68	2.12	2.23	.08	2.77	.14	68.96	.015	.48	2.40	.72
09280	13.30	.060	1.75	6.39	2.91	2.89	.10	2.31	.11	66.23	.015	.43	2.50	.79

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0452-RL2
DATE: 92/06/23
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09281	11.16	.015	2.72	6.09	1.73	2.39	.07	2.37	.13	69.06	.015	.43	2.60	1.52
09282	4.00	.005	4.46	3.09	.06	.17	.34	.13	.05	85.74	.005	.04	.50	.25
09283	9.50	.030	2.15	14.54	1.73	2.39	.13	1.59	.20	57.63	.010	.29	7.80	4.65
09284	10.18	.045	1.58	3.77	1.80	1.76	.04	1.50	.12	75.66	.015	.32	2.10	.28
09376	10.19	.045	.01	5.34	2.67	.72	.05	.23	.09	77.51	.005	.38	1.70	.07
09377	17.09	.045	.12	5.23	3.64	1.29	.12	.44	.09	68.21	.005	.56	2.30	.08
09378	12.88	.050	1.02	4.99	4.29	.75	.38	.08	.59	71.73	.005	.50	1.70	.06

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SMITHERS LAB.:
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TELEPHONE (604) 847-3004
FAX (604) 847-3005

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Ans'd .....

Geochemical Analysis Certificate

2V-0487-RG1

Company: MINNOVA INC.
Project: HORN-675
Attn: COLIN BURGE/TOM BERGER-RM 124

Date: JUN-26-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUN-10-92 by T. BERGER.

Sample Number	B PPM	F PPM
92 TB 018	36	800
92 TB 019	10	710
92 TB 020	8	740
92 TB 021	758	890
92 TB 022	1	220
92 TB 023	14	400
92 TB 024	7	770
92 TB 025	7	620
92 TB 026	88	850
92 TB 027	58	670
92 TB 030	1	350
92 TB 031	152	670
92 TB 032	52	610
92 TB 033	42	600
92 TB 034	25	390
92 TB 035	34	600
92 TB 036	45	560
92 TB 037	22	310
92 TB 038	101	860
92 TB 039	52	750
92 TB 040	11	210
92 TB 041	64	670
92 TB 042	42	720
92 TB 043	9	330
92 TB 044	21	430
92 TB 045	26	450
92 TB 046	10	330
92 TB 047	28	330
92 TB 048	7	350
92 TB 049	128	770

Certified by _____

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VANCOUVER OFFICE:
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0487-RG2

Company: MINNOVA INC.
Project: HORN-675
Attn: COLIN BURGE/TOM BERGER-RM 124

Date: JUN-26-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 15 ROCK samples submitted JUN-10-92 by T. BERGER.

Sample Number	B PPM	F PPM
92 CB 002	25	140
09285	23	370
09286	15	740
09287	1725	1280
09288	3400	1880
09289	28	140
09290	143	670
09291	25	240
09292	184	210
09293	10	990
09296	21	440
09297	21	760
09298	48	60
09299	63	580
09300	448	870

Certified by _____

COMP: MINNOVA INC.
PROJ: HORN-675
ATTN: COLIN BURGE/TOM BERGER-RM 12

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0487-RJ1+2
DATE: 92/06/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92 TB 018	2.4	1	410	37	87	3	163	85
92 TB 019	.1	1	347	37	2	1	121	10
92 TB 020	.4	18	183	38	8	1	95	14
92 TB 021	.9	30	194	20	25	1	40	14
92 TB 022	.1	16	12	4	11	2	13	17
92 TB 023	.1	34	19	4	11	1	10	25
92 TB 024	.1	1	57	9	6	1	61	3
92 TB 025	.1	1	47	18	3	1	48	3
92 TB 026	.1	1	129	14	8	1	24	3
92 TB 027	.4	1	174	21	13	1	34	8
92 TB 030	.1	50	14	6	12	1	8	49
92 TB 031	.1	4	301	47	38	1	42	18
92 TB 032	.1	1	271	56	8	1	25	13
92 TB 033	.1	1	179	24	8	1	27	8
92 TB 034	.1	19	119	8	11	1	19	1
92 TB 035	2.1	1	137	30	36	9	65	24
92 TB 036	.1	21	223	37	17	1	33	18
92 TB 037	.5	3	89	3	11	2	12	13
92 TB 038	3.0	1	169	23	200	9	245	20
92 TB 039	.3	1	253	33	8	1	27	4
92 TB 040	1.0	11	41	6	23	5	28	14
92 TB 041	.1	1	239	64	19	1	48	7
92 TB 042	.1	1	150	4	46	1	193	3
92 TB 043	.1	2	94	2	12	1	26	2
92 TB 044	.5	1	165	3	13	1	30	7
92 TB 045	.4	1	185	7	14	1	41	4
92 TB 046	1.0	1	100	5	24	1	60	5
92 TB 047	.7	2	83	5	21	1	29	4
92 TB 048	.5	1	159	15	34	1	41	2
92 TB 049	.1	1	142	21	10	1	33	3
92 CB 002	.1	16	120	9	7	1	15	4
09285	.1	1	315	44	2	1	75	3
09286	.1	1	549	26	1	1	196	6
09287	.3	1	189	31	30	1	82	72
09288	3.6	464	140	9	246	2	50	32
09289	.1	22	10	9	6	1	8	15
09290	.1	1	130	46	6	1	56	10
09291	.1	4	11	5	7	1	5	8
09292	.1	4	181	17	13	1	20	11
09293	.1	6	94	140	12	1	49	7
09296	.3	1	98	194	1	1	45	2
09297	.1	1	202	36	6	1	20	4
09298	4.9	23	6	8731	91	10	352	144
09299	.1	1	202	177	45	1	143	3
09300	.2	3	217	77	52	1	114	3

COMP: MINNOVA INC.
PROJ: HORN-675
ATTN: COLIN BURGE/TOM BERGER-RM 12

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0487-RL1+2
DATE: 92/06/26
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92 TB 018	14.91	.060	2.81	5.32	3.47	2.03	.08	1.59	.12	66.79	.010	.55	1.20	.11
92 TB 019	13.95	.030	5.11	9.81	2.55	2.89	.16	.49	.16	59.56	.005	.94	3.30	.34
92 TB 020	13.79	.025	6.84	10.49	1.93	4.70	.21	1.20	.14	55.85	.005	.90	3.30	.62
92 TB 021	15.34	.055	1.39	4.25	3.71	1.38	.03	1.36	.12	67.88	.005	.51	3.00	.28
92 TB 022	2.27	.005	.03	2.22	.55	.10	.01	.10	.05	92.93	.005	.08	.70	.06
92 TB 023	10.77	.010	.01	13.02	2.83	.28	.01	.31	.17	68.59	.005	.22	3.10	.14
92 TB 024	14.41	.020	.71	8.02	1.13	2.90	.06	4.12	.16	64.06	.005	.82	2.70	.09
92 TB 025	14.03	.015	.65	7.72	1.02	2.61	.09	4.36	.19	65.42	.005	.82	2.10	.12
92 TB 026	16.59	.075	.10	4.51	4.30	1.49	.01	1.33	.13	66.85	.005	.56	3.20	.07
92 TB 027	14.56	.095	1.40	2.72	4.08	1.59	.04	2.75	.08	69.69	.010	.46	1.70	.17
92 TB 030	4.11	.010	.01	4.36	.74	.12	.01	.33	.04	88.21	.005	.10	1.00	.09
92 TB 031	14.75	.095	.42	3.34	2.73	1.18	.02	2.97	.05	71.24	.005	.48	1.90	.07
92 TB 032	17.56	.100	.02	5.16	4.66	1.43	.02	.84	.08	65.17	.005	.54	3.40	.07
92 TB 033	16.37	.085	.12	5.04	3.78	1.96	.02	1.57	.08	66.93	.005	.52	2.90	.06
92 TB 034	11.43	.035	.18	3.00	1.86	1.05	.02	2.27	.05	77.14	.005	.36	1.60	.04
92 TB 035	14.83	.055	.13	4.63	2.81	2.19	.05	1.99	.09	69.58	.005	.46	2.30	.08
92 TB 036	16.75	.080	.01	5.53	4.13	1.45	.02	1.28	.09	65.56	.005	.53	4.00	.18
92 TB 037	9.66	.035	.10	1.55	1.58	.42	.02	3.03	.04	80.87	.005	.33	1.50	.05
92 TB 038	14.12	.055	2.13	2.89	3.64	2.75	.11	.89	.10	68.85	.010	.46	3.30	.21
92 TB 039	18.62	.105	.01	4.96	5.48	.94	.02	.88	.11	63.90	.005	.59	3.50	.04
92 TB 040	18.54	.005	.01	2.70	.36	.34	.01	10.17	.07	65.17	.005	.45	1.50	.92
92 TB 041	18.67	.105	.04	5.50	4.96	1.60	.05	1.16	.08	62.24	.005	.59	4.40	.04
92 TB 042	15.34	.035	.42	6.01	1.16	2.98	.10	4.72	.16	65.05	.010	.43	2.90	.04
92 TB 043	7.59	.025	.36	1.95	1.22	.49	.01	1.73	.06	84.40	.005	.26	1.00	.02
92 TB 044	11.85	.045	.28	2.42	2.50	.63	.03	2.55	.05	76.79	.005	.32	1.60	.03
92 TB 045	11.32	.035	.64	2.87	1.89	.70	.04	2.94	.06	77.23	.005	.31	1.10	.10
92 TB 046	10.80	.035	.85	3.56	1.82	.94	.08	2.80	.05	75.95	.005	.32	2.00	.02
92 TB 047	9.44	.025	.74	2.18	1.99	.52	.04	1.74	.05	80.85	.005	.31	1.20	.01
92 TB 048	10.07	.040	1.74	2.93	1.19	.87	.07	3.04	.07	77.71	.005	.31	1.30	.05
92 TB 049	19.22	.085	.03	3.97	5.26	1.96	.04	1.30	.04	62.50	.005	.60	4.10	.02
92 CB 002	11.05	.045	.25	2.21	1.44	.47	.03	3.44	.04	78.20	.005	.37	1.60	.02
09285	13.37	.020	6.80	10.78	1.50	4.42	.19	1.73	.13	55.11	.005	.83	4.00	.88
09286	14.05	.035	4.97	11.06	3.22	2.99	.19	.32	.15	58.73	.005	1.06	2.50	.93
09287	15.89	.065	1.27	3.67	3.90	1.59	.08	.83	.07	67.16	.005	.52	4.00	.05
09288	17.31	.070	.23	3.70	4.66	1.74	.03	.31	.06	66.07	.005	.56	4.40	.57
09289	2.29	.005	.01	2.41	.38	.09	.01	.18	.03	93.00	.005	.06	1.00	.03
09290	14.96	.055	.73	5.32	2.65	2.08	.06	2.43	.08	67.54	.010	.49	2.80	.40
09291	16.61	.005	.61	.33	.15	.06	.01	9.73	.42	71.01	.005	.01	.30	.04
09292	17.18	.080	1.57	5.86	4.08	2.51	.12	1.70	.10	64.69	.010	.57	.80	.60
09293	11.40	.035	.86	7.36	3.44	2.82	.01	.63	.16	64.60	.005	.44	7.20	2.12
09296	11.93	.010	6.92	18.33	.82	3.80	.21	2.29	.30	49.89	.005	2.16	2.20	1.24
09297	14.58	.055	.81	5.07	3.94	1.39	.03	1.64	.07	66.05	.005	.45	4.90	.67
09298	17.53	.005	11.71	5.41	.23	.19	.06	.26	.07	59.20	.010	.06	3.60	.88
09299	17.64	.055	3.71	5.21	2.66	1.51	.10	4.04	.15	60.81	.005	.53	2.50	.38
09300	16.69	.090	.92	5.64	4.61	1.63	.09	1.85	.10	63.75	.010	.54	3.20	.89

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
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0505-RG1

Company: MINNOVA INC.
Project: MT.MAHON-674
Attn: T.BERGER/C.BURGE

Date: JUN-29-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 8 ROCK samples submitted JUN-12-92 by C. BURGE.

Sample Number	B PPM	F PPM
09379	61	570
09380	32	460
09381	29	420
09382	65	410
09383	93	250
09384	7	570
09385	2140	230
09386	1352	220

JUL 8 1992
Ans'd .....

Certified by _____

COMP: MINNOVA INC.
PROJ: MT.MAHON-674
ATTN: T.BERGER/C.BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0505-RL1
DATE: 92/06/29
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09379	14.29	.065	2.05	5.09	3.22	1.37	.07	1.96	.14	67.21	.005	.49	2.90	.61
09380	12.52	.065	1.21	3.47	3.18	.94	.05	1.27	.09	72.94	.005	.43	2.50	.18
09381	12.43	.040	2.08	4.75	2.23	1.29	.07	2.36	.10	70.85	.005	.41	2.60	.14
09382	13.87	.065	1.69	4.69	3.16	1.23	.06	1.57	.09	69.07	.005	.49	2.70	.36
09383	9.87	.040	2.84	4.33	1.76	1.12	.12	1.64	.06	74.92	.005	.41	1.70	.32
09384	8.17	.020	3.69	4.56	1.45	1.06	.19	.44	.07	78.28	.005	.32	.50	.25
09385	9.27	.040	1.34	4.04	1.53	.65	.06	1.00	.03	79.07	.005	.32	1.50	.53
09386	8.21	.015	2.01	3.91	.67	.67	.10	1.60	.05	79.69	.005	.27	1.00	.65

COMP: MINNOVA INC.
PROJ: MT.MAHON-674
ATTN: T.BERGER/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0505-RJ1
DATE: 92/06/29
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
09379	.4	3	201	88	20	1	68	22
09380	.4	3	205	132	14	1	57	9
09381	.1	1	166	64	18	1	74	4
09382	.2	1	201	101	15	1	41	8
09383	.1	15	151	71	34	1	85	8
09384	.1	46	243	63	8	1	92	10
09385	1.1	286	57	163	31	3	32	55
09386	.6	41	94	81	22	2	48	16

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0510-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: JUN-26-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUN-15-92 by T. BERGER.

RECEIVED
JUL 8 1992
Ans'd .....

Sample Number	B PPM	F PPM
92-TB-050	133	510
92-TB-051	36	380
92-TB-052	170	400
92-TB-053	18	740
92-TB-054	94	650
92-TB-055	310	1240
92-TB-056	33	460
92-TB-057	33	610
92-TB-058	135	820
92-TB-059	62	710
92-TB-060	37	460
92-TB-061	118	780
92-TB-062	107	780
92-TB-063	72	940
92-TB-064	107	760
92-TB-065	72	930
92-TB-066	33	150
92-TB-067	14	830
92-TB-068	22	200
92-TB-069	39	1280
92-TB-070	574	1390
92-TB-071	617	980
92-TB-072	36	1070
92-TB-073	242	1240
92-TB-074	25	540
09301	82	790
09302	84	610
09303	63	830
09304	46	780
09305	149	990

Certified by _____

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0510-RL1
DATE: 92/06/26
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	S %	LOI %
92-TB-050	16.15	.065	.73	5.22	4.01	1.66	.06	1.47	.13	65.11	.010	.55	.11	4.00
92-TB-051	17.51	.010	.48	.91	4.18	.13	.45	5.47	.28	69.03	.005	.03	.02	.70
92-TB-052	13.81	.035	.94	4.60	2.13	1.43	.07	2.90	.08	70.36	.015	.43	.07	2.20
92-TB-053	13.17	.035	1.77	5.81	1.97	2.32	.07	3.12	.10	68.41	.015	.41	.08	2.00
92-TB-054	14.47	.050	1.00	5.76	3.13	2.13	.08	2.32	.08	66.78	.015	.48	.14	2.70
92-TB-055	15.27	.065	3.90	4.09	2.47	2.45	.08	2.64	.22	66.32	.020	.45	.04	1.40
92-TB-056	11.10	.040	1.19	3.61	2.31	1.10	.03	1.98	.02	75.22	.015	.34	.15	2.00
92-TB-057	14.67	.055	3.24	5.37	3.06	2.24	.06	2.55	.12	64.36	.015	.47	.42	2.90
92-TB-058	13.25	.025	1.80	6.44	2.36	2.51	.08	2.88	.10	67.53	.015	.40	.40	2.00
92-TB-059	12.27	.035	2.34	4.69	2.28	1.79	.08	2.27	.11	71.85	.015	.39	.13	1.00
92-TB-060	15.94	.035	4.43	5.27	3.03	1.84	.10	1.91	.06	63.83	.025	.47	.15	2.40
92-TB-061	14.86	.050	1.36	5.26	3.20	1.61	.05	2.51	.05	67.50	.015	.46	.17	2.20
92-TB-062	16.42	.085	.61	3.05	4.66	1.33	.03	.86	.03	69.46	.005	.48	.07	2.30
92-TB-063	14.48	.030	2.89	5.55	2.37	2.07	.05	3.15	.15	65.96	.025	.45	.37	2.20
92-TB-064	17.51	.110	.54	5.98	4.68	2.26	.07	1.10	.11	63.35	.010	.58	.17	3.00
92-TB-065	15.37	.060	2.72	4.92	3.43	2.17	.06	1.94	.07	66.22	.010	.54	.11	1.60
92-TB-066	14.15	.010	9.62	10.44	.69	7.49	.20	1.64	.03	52.14	.005	.51	.04	2.10
92-TB-067	12.72	.065	5.83	4.66	2.91	3.46	.07	1.91	.11	64.22	.010	.44	.70	2.70
92-TB-068	14.39	.005	10.40	8.97	.16	6.13	.19	1.74	.08	54.47	.005	.65	.06	2.00
92-TB-069	10.27	.045	7.82	3.29	2.61	2.86	.06	1.52	.04	62.84	.005	.33	.05	7.40
92-TB-070	16.57	.065	1.79	4.08	4.10	2.49	.10	1.17	.08	65.26	.010	.54	.11	3.10
92-TB-071	15.23	.045	.60	4.98	2.81	3.11	.09	1.98	.08	66.19	.005	.47	.07	3.50
92-TB-072	12.53	.020	4.21	4.60	2.09	2.16	.11	1.43	.08	68.60	.005	.44	.58	2.90
92-TB-073	16.16	.075	1.06	4.14	2.98	1.58	.08	2.91	.07	66.69	.010	.48	.08	2.80
92-TB-074	15.40	.015	8.74	10.50	1.17	6.11	.21	1.64	.07	52.10	.005	.81	.74	2.60
09301	14.59	.070	1.68	4.33	3.18	1.53	.06	2.35	.06	68.60	.015	.45	.50	2.20
09302	15.51	.075	1.06	4.24	3.60	1.15	.09	2.60	.04	68.88	.010	.46	.58	1.60
09303	14.54	.060	2.23	4.77	2.83	1.74	.12	2.84	.07	67.98	.015	.44	.35	1.80
09304	12.63	.025	3.09	3.81	1.69	1.48	.07	3.33	.05	70.96	.015	.36	.57	1.70
09305	15.07	.065	.86	4.58	4.04	1.69	.07	1.50	.09	68.33	.010	.49	.62	2.60

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0510-RJ1
DATE: 92/06/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-050	.1	23	156	25	15	1	51	6
92-TB-051	.1	1	25	6	24	1	12	5
92-TB-052	.1	1	114	22	29	1	57	3
92-TB-053	.1	1	315	20	4	1	77	1
92-TB-054	.1	1	267	31	15	1	87	1
92-TB-055	.3	19	436	5	2	1	65	1
92-TB-056	.1	3	161	24	6	1	26	5
92-TB-057	.4	1	247	16	1	1	51	1
92-TB-058	.1	1	263	49	9	1	127	1
92-TB-059	.5	8	281	14	11	1	64	4
92-TB-060	.4	104	150	13	10	1	120	5
92-TB-061	.3	5	271	20	1	1	48	1
92-TB-062	.1	1	288	7	2	1	27	4
92-TB-063	.4	14	288	39	3	1	60	2
92-TB-064	.1	1	365	26	9	1	68	3
92-TB-065	.3	1	402	11	5	1	63	4
92-TB-066	.5	1	65	91	3	1	31	30
92-TB-067	.8	1	110	36	1	1	16	5
92-TB-068	.8	1	7	118	7	1	33	3
92-TB-069	.2	1	201	14	26	1	96	1
92-TB-070	.4	2	268	11	40	1	63	4
92-TB-071	.3	33	162	16	33	1	126	1
92-TB-072	.5	1	102	38	56	1	124	2
92-TB-073	.6	8	232	14	51	1	60	4
92-TB-074	1.1	87	66	32	11	1	58	12
09301	.3	1	275	27	35	1	126	4
09302	.1	3	269	28	88	1	140	4
09303	.3	13	260	29	79	1	138	6
09304	.3	1	165	33	26	1	62	3
09305	.1	71	175	26	23	1	103	4

Sample	From (m)	To (m)	Length (m)	ASSAYS Cu %	Pb %	Zn %	Ag gpt	Au gpt	GEOCHEMICAL Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	COMMENTS
43384	75.65	75.77	0.12						284	12	112	0.0	0.0	
43385	81.70	81.85	0.15						274	6	156	0.0	0.0	
43386	107.45	107.70	0.25						21	25	2500	0.0	0.0	
43387	112.80	112.95	0.15						198	60	3700	0.0	0.0	
43388	148.60	148.90	0.30						28	41	2800	0.0	0.0	
43389	155.30	156.50	1.20						35	56	900	0.0	0.0	
43390	160.10	160.20	0.10						35	530	2600	0.8	0.0	
43391	162.90	163.00	0.10						43	57	5100	0.0	0.0	
43392	165.50	165.70	0.20						26	59	1200	0.0	0.0	
43393	169.50	169.60	0.10						27	81	1400	0.0	0.0	
43394	176.20	176.90	0.70						24	443	1500	0.0	0.0	
43395	176.90	177.80	0.90						26	100	570	0.0	0.0	
43396	177.80	178.10	0.30						29	112	4100	0.0	0.0	
43397	194.35	195.00	0.65						26	700	960	0.8	0.0	*
43398	195.00	195.07	0.07		1.00	3.44			265	>10000	>10000	9.1	0.0	* Horn Horizon / .72
43412	195.07	196.07	1.00						18	190	380	0.2	0.0	*
43413	250.40	251.40	1.00						22	103	340	0.2	0.0	
43399	251.40	251.50	0.10	.02	2.89	2.95	58.9	.10						PbZn Horizon
43414	251.50	252.50	1.00						22	64	166	0.2	0.0	
43415	262.10	263.10	1.00						23	75	360	0.2	0.0	
43400	263.10	263.40	0.30			1.35			234	9800	>10000	16.4	0.0	Spotted Zn horizon
43416	263.40	264.40	1.00						26	59	178	0.0	0.0	
43401	268.80	269.00	0.20						50	132	5300	0.3	0.0	
43402	278.45	278.60	0.15						177	6300	2400	11.7	0.0	

Sample	From (m)	To (m)	Length (m)	ASSAYS Cu %	Pb %	Zn %	Ag gpt	Au gpt	GEOCHEMICAL Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	COMMENTS
43376	112.10	112.14	0.04						507	19	36	1.8	5	
43377	120.10	120.20	0.10						550	31	249	1.8	6	
43378	181.50	182.50	1.00						24	188	1085	1.2	127	
43422	189.30	190.30	1.00						28	110	160	0.2	0	*
43379	190.30	190.50	0.20						57	183	2700	1.4	5	*
43380	190.50	191.90	1.40						37	172	538	.7	1	*
43381	191.90	192.10	0.20						66	921	8500	2.2	8	*
43382	192.10	192.95	0.85						43	1440	2400	2.0	4	* Horn Horizon / 2.65
43423	192.95	193.95	1.00						36	53	148	0.2	0	*
43383	245.70	245.80	0.10						415	58	384	1.9	1	

LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

OCT. 15 1992

Geochemical Analysis Certificate

2V-1025-RG1

Company: MINNOVA INC.
Project: 675
Attn: COLIN BURGE

Date: OCT-09-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 13 CORE samples submitted SEP-18-92 by PAUL BAXTER.

Sample Number	B PPM	F PPM
40028	67	580
40029	173	860
40030	117	670
40031	50	420
40032	35	310
40033	35	270
40034	28	340
40035	25	470
40036	28	420
40037	17	200
40038	36	280
40039	26	560
40040	43	570

Certified by _____

MIN-EN LABORATORIES

PROJ: 675
ATTN: COLIN BURGE

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

DATE: 92/10/09
* CORE * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
40028	14.94	.110	1.57	5.78	3.39	1.99	.08	1.46	.05	65.70	.58	3.20	1.34	99.00
40029	17.96	.110	1.20	3.52	4.60	1.64	.06	1.22	.03	64.89	.60	3.10	.25	99.02
40030	14.53	.075	1.22	5.14	3.22	1.59	.07	1.69	.05	69.56	.53	1.60	.51	99.43
40031	17.08	.040	3.90	5.61	2.78	2.26	.06	5.73	.05	57.02	.51	4.00	.49	99.10
40032	17.81	.010	3.15	5.62	.71	2.09	.05	8.13	.04	56.73	.61	4.10	1.08	99.14
40033	18.94	.005	3.39	3.51	.34	2.02	.05	8.97	.08	58.15	.68	3.10	.07	99.34
40034	18.24	.005	2.79	2.86	.36	1.70	.04	9.49	.09	59.42	.52	3.50	.18	99.16
40035	17.07	.005	5.32	8.08	.09	3.86	.10	7.26	.13	50.55	.72	5.80	.77	99.08
40036	19.07	.005	.52	4.29	.24	2.26	.03	9.15	.15	60.60	.51	2.30	.18	99.19
40037	17.15	.005	4.41	4.42	.36	1.07	.04	9.28	.01	57.55	.37	4.50	2.10	99.21
40038	14.91	.030	2.74	3.70	1.18	1.78	.04	6.22	.06	63.45	.58	4.20	1.29	99.04
40039	16.94	.030	8.98	5.82	5.01	5.47	.11	.39	.09	51.78	.76	3.70	1.61	99.24
40040	16.76	.065	.71	3.93	2.90	1.72	.03	3.33	.07	65.91	.64	2.80	.27	99.04

COMP: MINNOVA INC.
PROJ: 675
ATTN: C.BURGE/P.BAXTER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-1025-RJ1
DATE: 92/09/24
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
40028	.4	1	420	38	40	1	139	7
40029	.3	1	222	15	30	1	62	6
40030	.3	1	212	28	35	1	117	5
40031	.1	1	78	18	9	1	34	6
40032	.1	1	31	14	19	1	27	10
40033	.1	1	17	5	14	1	46	8
40034	.2	1	8	5	7	1	26	2
40035	.1	1	3	5	2	1	59	4
40036	.1	1	11	5	1	1	37	11
40037	.3	1	10	8	11	1	19	6
40038	.1	1	87	16	15	1	32	11
40039	.8	1	43	9	16	1	21	2
40040	.1	1	132	23	24	1	176	4

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

A9222470

Comments: ATTTN: COLIN BURGE

CERTIFICATE A9222470

MINNOVA INC.

Project: 675
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 8-OCT-92.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
386	1	Ag g/t :Reverse Aqua-Regia dig'n	AAS	0.3	500

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

Project : 675
Comments: ATTTN: COLIN BURGE

Certificate Date: 08-OCT-92
Invoice No. : I9222470
P.O. Number :
Account : BBX

CERTIFICATE OF ANALYSIS A9222470

SAMPLE	PREP CODE		Ag g/t									
43399	244	--	58.9									

CERTIFICATION: W. Ser Amerian

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

Project : 675
Comments: ATTTN: COLIN BURGE

Certificate Date: 08-OCT-92
Invoice No. : I9222470
P.O. Number :
Account : BBX

CERTIFICATE OF ANALYSIS A9222470

SAMPLE	PREP CODE		Ag g/t									
43399	244	--	58.9									

CERTIFICATION: W. Santoemiri

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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TELEPHONE (604) 847-3004
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OCT 13 1992

Geochemical Analysis Certificate

2V-1078-RG1

Company: MINNOVA INC.
Project: 675
Attn: P.BAXTER/C.BURGE

Date: OCT-09-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 13 CORE samples submitted SEP-29-92 by PAUL BAXTER.

Sample Number	B PPM	F PPM
40041	88	880
40042	70	920
40043	64	560
40044	211	970
40045	119	870
40046	113	790
40047	116	850
40048	208	940
40049	107	860
40050	137	970
40051	98	960
40052	147	590
40054	883	960

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675
ATTN: P.BAXTER/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-1078-RL1
DATE: 92/10/09
* CORE * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
40041	16.34	.090	.73	4.81	4.07	1.87	.03	1.35	.13	65.73	.58	3.20	.58	99.00
40042	14.74	.065	2.89	5.56	2.84	2.50	.08	2.00	.14	64.86	.55	2.70	.83	99.02
40043	15.31	.085	1.87	5.57	3.31	2.19	.08	2.07	.10	65.79	.59	2.40	.39	99.43
40044	16.38	.085	1.78	5.09	3.83	1.82	.08	1.65	.14	64.98	.60	2.60	.49	99.10
40045	14.82	.065	2.29	4.99	3.43	1.77	.08	1.92	.10	66.51	.52	2.60	.40	99.14
40046	15.82	.080	1.41	5.20	3.86	1.76	.05	1.71	.09	65.15	.53	3.60	1.20	99.34
40047	16.49	.075	1.59	5.22	4.43	1.50	.07	1.22	.11	63.48	.59	4.30	1.27	99.16
40048	16.66	.080	1.01	4.92	4.33	1.74	.07	1.38	.09	65.05	.64	3.00	.72	99.08
40049	15.10	.055	3.03	3.66	3.12	1.91	.08	1.97	.11	65.83	.53	3.70	.37	99.19
40050	14.82	.080	1.57	4.96	3.68	2.16	.06	1.47	.13	67.04	.56	2.60	.68	99.21
40051	14.25	.055	1.68	5.06	3.17	1.80	.09	1.94	.10	68.38	.55	1.90	.75	99.04
40052	15.02	.070	1.55	4.86	3.51	1.63	.06	1.87	.12	67.00	.57	2.90	.72	99.24
40054	18.27	.105	.78	4.86	4.73	1.95	.05	1.28	.09	63.09	.65	3.10	.56	99.04

COMP: MINNOVA INC.
PROJ: 675
ATTN: P.BAXTER/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-1078-RJ1
DATE: 92/10/03
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-WET PPB
40041	.4	1	249	26	8	1	31	2
40042	.7	1	322	33	6	1	101	3
40043	.9	1	257	18	12	1	73	1
40044	.9	1	253	19	9	1	61	2
40045	.9	9	262	14	12	1	72	30
40046	1.1	1	236	34	15	1	69	4
40047	1.0	7	135	20	36	1	73	25
40048	.8	3	212	15	31	1	71	3
40049	1.3	19	233	11	47	1	217	2
40050	1.4	52	293	21	40	1	71	4
40051	1.4	1	235	17	42	1	139	6
40052	1.0	15	224	20	29	1	50	5
40054	1.0	26	343	17	19	1	53	3

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SPECIALISTS IN MINERAL ENVIRONMENTS

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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0991-RG1

Company: MINNOVA INC.
Project: 675-H3
Attn: PAUL BAXTER / COLIN BURGE

Date: SEP-28-92

OCT 2 1992

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

We hereby certify the following Geochemical Analysis of 7 CORE samples submitted SEP-14-92 by PAUL BAXTER.

Sample Number	B PPM	F PPM
40021	162	840
40022	51	830
40023	440	830
40024	125	860
40025	54	570
40026	44	720
40027	44	630

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675-H3
ATTN: PAUL BAXTER / COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0991-RL1
DATE: 92/09/28
* CORE * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
40021	17.11	.085	1.06	5.51	4.54	1.90	.05	1.59	.09	63.10	.59	3.30	.69	99.01
40022	13.56	.065	3.59	4.62	3.31	2.39	.08	1.68	.13	66.55	.46	2.50	.37	99.03
40023	15.74	.075	2.61	4.21	3.67	1.89	.07	1.69	.07	66.19	.54	2.60	.22	99.44
40024	15.98	.080	1.40	5.52	4.13	2.29	.05	1.66	.08	63.86	.54	3.40	.78	99.11
40025	16.71	.040	4.18	6.89	2.08	2.21	.09	3.63	.20	59.92	.50	2.60	.61	99.14
40026	14.77	.045	4.03	6.71	2.35	2.79	.10	2.51	.08	63.35	.71	1.80	.09	99.35
40027	14.06	.025	7.10	10.75	1.79	2.78	.19	2.14	.15	57.12	1.36	1.60	.14	99.17

COMP: MINNOVA INC.
PROJ: 675-H3
ATTN: PAUL BAXTER / COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0991-RJ1
DATE: 92/09/21
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
40021	.2	1	312	44	1	1	57	1
40022	.7	1	255	27	1	1	65	6
40023	.4	1	217	16	17	1	69	5
40024	.4	1	341	228	20	1	157	3
40025	.1	1	165	34	51	1	100	4
40026	.1	1	658	11	10	1	119	10
40027	.1	1	409	13	13	1	102	3

COMP: MINNOVA INC.
PROJ: 675-H3
ATTN: PAUL BAXTER / COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0991-RJ1
DATE: 92/09/21
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
40021	.2	1	312	44	1	1	57	1
40022	.7	1	255	27	1	1	65	6
40023	.4	1	217	16	17	1	69	5
40024	.4	1	341	228	20	1	157	3
40025	.1	1	165	34	51	1	100	4
40026	.1	1	658	11	10	1	119	10
40027	.1	1	409	13	13	1	102	3

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VANCOUVER OFFICE:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0954-RG1

Company: MINNOVA INC.
Project: 675-H2
Attn: COLIN BURGE / PAUL BAXTER

Date: SEP-25-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 10 CORE samples submitted SEP-08-92 by PAUL BAXTER.

Sample Number	B PPM	F PPM
40011	103	940
40012	117	640
40013	307	920
40014	110	690
40015	168	890
40016	97	820
40017	84	780
40018	121	980
40019	129	690
40020	174	780

SEP 28 1992

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675-H2
ATTN: COLIN BURGE / PAUL BAXTER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0954-RL1
DATE: 92/09/25
* CORE * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
40011	16.76	.085	1.37	6.94	3.68	2.43	.08	1.77	.10	62.01	.68	3.00	1.29	99.00
40012	17.54	.105	1.05	4.72	4.01	1.53	.08	1.34	.05	65.28	.64	2.60	.48	99.02
40013	15.79	.080	1.16	4.78	3.45	1.72	.07	1.29	.07	67.49	.55	2.90	.54	99.43
40014	14.56	.060	2.15	5.18	3.00	1.65	.11	1.86	.08	67.00	.54	2.80	.58	99.10
40015	16.35	.065	3.81	5.50	3.42	3.03	.13	1.09	.16	60.67	.83	4.00	.28	99.14
40016	15.48	.055	2.60	4.50	3.62	1.97	.10	1.34	.11	66.57	.60	2.30	.47	99.34
40017	15.02	.055	3.26	5.03	3.20	2.04	.12	1.06	.11	65.61	.56	3.00	.55	99.16
40018	14.37	.060	1.96	4.21	2.94	2.10	.08	1.59	.13	68.99	.56	2.00	.26	99.08
40019	15.28	.060	1.83	5.38	3.11	1.85	.08	1.70	.10	66.13	.58	3.00	.76	99.19
40020	14.26	.050	2.52	5.05	2.64	1.67	.08	1.81	.11	67.91	.53	2.50	.58	99.21

COMP: MINNOVA INC.
PROJ: 675-H2
ATTN: COLIN BURGE / PAUL BAXTER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0954-RJ1
DATE: 92/09/11
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
40011	.2	1	288	84	18	1	176	4
40012	.6	1	258	39	9	1	110	1
40013	.3	1	234	56	13	1	89	2
40014	.1	1	164	34	105	1	248	9
40015	.3	1	130	30	38	1	156	2
40016	.7	8	191	21	118	1	122	1
40017	.4	1	230	26	86	1	217	1
40018	.4	1	238	20	23	1	102	3
40019	.5	1	184	28	44	1	106	3
40020	.2	1	286	31	14	1	82	2

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

A9221395

Comments: ATTN: COLIN BURGE

CERTIFICATE A9221395

MINNOVA INC.

Project: 675
P.O. # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 19-SEP-92.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	2	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
312	1	Pb %: Reverse Aqua-Regia digest	AAS	0.01	100.0
316	2	Zn %: Reverse Aqua-Regia digest	AAS	0.01	100

SEP 21 1992

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

Project : 675
Comments: ATTN: COLIN BURGE

Certificate Date: 19-SEP-92
Invoice No. : I9221395
P.O. Number : NONE
Account : BBX

CERTIFICATE OF ANALYSIS A9221395

SAMPLE	PREP CODE		Pb %	Zn %								
43398	244	--	1.00	3.[illegible]								
43400	244	--	-----	1.[illegible]								

21 1997

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

A9221143

Comments: ATTN: COLIN BURGE

CERTIFICATE A9221143

MINNOVA INC.

Project: 675
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 17-SEP-92.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	1	Assay ring to approx 150 mesh
226	1	0-5 lb crush and split

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
399	1	Au g/t: 1/2 assay ton, AA finish	FA-AAS	0.07	500.
301	1	Cu %: Reverse Aqua-Regia digest	AAS	0.01	100
312	1	Pb %: Reverse Aqua-Regia digest	AAS	0.01	100.0
316	1	Zn %: Reverse Aqua-Regia digest	AAS	0.01	100.0

SEP 21 1992

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

Project : 675
Comments: ATTN: COLIN BURGE

Certificate Date: 17-SEP-92
Invoice No. : I9221143
P.O. Number :
Account : BBX

CERTIFICATE OF ANALYSIS A9221143

SAMPLE	PREP CODE		Au g/t	Cu %	Pb %	Zn %						
43399	208	226	0.10	0.02	2.89	2.95						

SEP 21 1992

CERTIFICATION: _____

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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0916-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE

Date: SEP-17-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 4 ROCK samples submitted AUG-31-92 by C. BURGE.

Sample Number	B PPM	F PPM
92-TB-183	132	960
92-TB-184	116	810
92-TB-185	55	340
92-TB-186	139	600

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0916-RJ1
DATE: 92/09/05
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-183	.4	1	289	35	22	1	143	2
92-TB-184	.2	1	246	22	24	1	65	3
92-TB-185	.1	711	78	40	20	1	50	6
92-TB-186	.5	1	206	29	76	1	148	3

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0916-RL1
DATE: 92/09/17
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
92-TB-183	14.52	.060	1.69	4.66	3.43	1.81	.06	2.09	.08	67.12	.50	2.90	1.10	99.00
92-TB-184	14.15	.070	.76	3.77	3.94	1.60	.05	1.46	.09	70.09	.48	2.50	.57	99.02
92-TB-185	13.22	.035	4.29	4.47	1.87	1.89	.17	4.16	.08	66.17	.47	2.50	1.21	99.43
92-TB-186	13.54	.070	.76	3.29	3.65	1.22	.03	2.07	.08	70.43	.46	3.30	.89	99.10

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(DIVISION OF ASSAYERS CORP.)

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0925-RG1

Company: MINNOVA INC.
Project: 675-H1
Attn: COLIN BURGE

Date: SEP-17-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 10 CORE samples submitted SEP-02-92 by C. BURGE.

Sample Number	B PPM	F PPM
40001	84	690
40002	52	720
40003	42	470
40004	107	570
40005	271	940
40006	87	820
40007	375	1220
40008	126	1040
40009	100	990
40010	103	940

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0925-RG2

Company: MINNOVA INC.
Project: 675-H1
Attn: COLIN BURGE

Date: SEP-10-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 8 CORE samples submitted SEP-02-92 by PAUL BAXTER.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
43376	5	1.8	507	19	36
43377	6	1.8	550	31	249
43378	127	1.2	24	188	1085
43379	5	1.4	57	183	2700
43380	1	.7	37	172	538
43381	8	2.2	66	921	8500
43382	4	2.0	43	1440	2400
43383	1	1.9	415	58	384

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675-H1
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0925-RJ1
DATE: 92/09/10
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-WET PPB
40001	.1	1	569	12	6	1	94	1
40002	.1	1	417	31	1	1	62	2
40003	.1	1	287	14	1	1	83	2
40004	.6	46	251	12	6	1	69	3
40005	.6	13	320	7	19	1	70	1
40006	.4	73	309	36	35	1	112	1
40007	.3	7	215	31	29	1	123	2
40008	.7	1	216	14	90	1	296	1
40009	.2	1	308	27	33	1	118	1
40010	.1	4	298	24	16	1	102	1

COMP: MINNOVA INC.
PROJ: 675-H1
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0925-RL1
DATE: 92/09/17
* CORE * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
40001	14.99	.080	2.17	5.53	3.41	2.36	.09	1.88	.08	65.97	.66	1.70	.09	99.00
40002	14.13	.075	3.17	6.71	3.18	1.99	.08	1.99	.14	65.34	.83	1.30	.29	99.02
40003	14.02	.030	6.32	10.68	1.80	2.95	.20	1.46	.12	58.32	1.25	2.20	.16	99.43
40004	15.61	.075	2.73	4.43	3.46	1.84	.07	1.64	.06	65.51	.60	3.00	.30	99.10
40005	19.07	.115	1.64	2.75	4.96	1.47	.06	1.51	.04	63.46	.68	3.30	.23	99.14
40006	16.47	.105	1.71	4.96	3.92	1.70	.07	1.72	.07	63.88	.64	4.00	1.01	99.34
40007	15.01	.070	1.37	5.10	3.39	1.89	.07	1.40	.07	66.94	.57	3.10	.73	99.16
40008	14.73	.065	2.09	4.59	3.87	2.42	.13	1.17	.07	66.45	.49	2.90	.44	99.08
40009	14.32	.070	1.12	4.83	3.34	1.99	.07	1.94	.06	68.77	.53	2.00	.61	99.19
40010	16.04	.080	1.29	5.00	4.25	2.11	.07	1.42	.08	65.16	.61	2.90	.63	99.21

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

A9221142

Comments: ATTN: COLIN BURGE

SEP 17 1992

CERTIFICATE A9221142

MINNOVA INC.

Project: 675
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-SEP-92.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	18	Geochem ring to approx 150 mesh
226	18	0-5 lb crush and split
238	18	Nitric-aqua-regia digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	18	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2	18	Cu ppm: HNO3-aqua regia digest	AAS	1	10(
4	18	Pb ppm: HNO3-aqua regia digest	AAS-BKGD CORR	1	10(
5	18	Zn ppm: HNO3-aqua regia digest	AAS	1	10000
6	18	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: MINNOVA INC.

3RD FLOOR, 311 WATER ST.
VANCOUVER, BC
V6B 1B8

Project : 675
Comments: ATTN: COLIN BURGE

Certificate Date: 15-SEP-92
Invoice No. : I9221142
P.O. Number :
Account : BBX

CERTIFICATE OF ANALYSIS A9221142

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
43384	205	226	< 5	284	12	112	< 0.2
43385	205	226	< 5	274	6	156	< 0.2
43386	205	226	< 5	21	25	2500	< 0.2
43387	205	226	< 5	198	60	3700	< 0.2
43388	205	226	< 5	28	41	2800	< 0.2
43389	205	226	< 5	35	56	900	< 0.2
43390	205	226	< 5	35	530	2600	0.8
43391	205	226	< 5	43	57	5100	< 0.2
43392	205	226	< 5	26	59	1200	< 0.2
43393	205	226	< 5	27	81	1400	< 0.2
43394	205	226	< 5	24	443	1500	< 0.2
43395	205	226	< 5	26	100	570	< 0.2
43396	205	226	< 5	29	112	4100	< 0.2
43397	205	226	< 5	26	700	960	0.8
43398	205	226	< 5	265	>10000	>10000	9.1
43400	205	226	< 5	234	9800	>10000	16.4
43401	205	226	< 5	50	132	5300	0.3
43402	205	226	< 5	177	6300	2600	11.7

CERTIFICATION: Adriana Alessandri

MIN
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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0770-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: AUG-25-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 5 ROCK samples submitted AUG-05-92 by TOM BERGER.

AUG 28 1992

Sample Number	B PPM	F PPM
92-TB-175	91	600
92-TB-179	99	470
92-TB-180	103	740
92-TB-181	192	1060
92-TB-182	106	750

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0770-RL1
DATE: 92/08/22
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-175	13.65	.140	.64	2.99	2.73	1.66	.03	2.85	.08	70.99	.005	.46	2.60	.06
92-TB-179	16.03	.095	.02	2.54	4.69	1.24	.02	1.37	.04	69.24	.005	.58	3.10	.01
92-TB-180	13.38	.075	.48	4.49	2.98	1.37	.04	1.58	.09	71.09	.005	.49	3.30	.02
92-TB-181	14.68	.065	.76	4.05	3.01	2.36	.05	2.01	.08	68.46	.010	.53	2.70	.01
92-TB-182	14.43	.070	.18	3.90	3.03	1.39	.01	2.23	.09	70.00	.005	.52	3.20	.01

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0770-RJ1
DATE: 92/08/18
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-175	.7	1	1711	16	42	1	1292	1
92-TB-179	.5	1	358	24	22	1	67	1
92-TB-180	.4	1	368	19	11	1	73	2
92-TB-181	.5	3	247	12	27	1	59	2
92-TB-182	.1	10	226	23	8	1	29	1

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(DIVISION OF ASSAYERS CORP.)

VANCOUVER OFFICE:
705 WEST 15TH STREET
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FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0741-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: AUG-08-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 25 ROCK samples submitted JUL-30-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-153	99	880
92-TB-154	23	120
92-TB-155	49	480
92-TB-156	56	460
92-TB-157	87	540
92-TB-158	91	980
92-TB-159	47	1080
92-TB-160	112	930
92-TB-161	39	690
92-TB-162	39	570
92-TB-163	36	760
92-TB-164	39	960
92-TB-165	171	1060
92-TB-166	39	520
92-TB-167	56	650
92-TB-168	76	550
92-TB-169	37	470
92-TB-170	62	630
92-TB-171	85	520
92-TB-172	69	550
92-TB-173	43	460
92-TB-174	43	900
92-TB-176	79	1190
92-TB-177	63	940
92-TB-178	53	840

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0770-RJ1
DATE: 92/08/18
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-175	.7	1	1711	16	42	1	1292	1
92-TB-179	.5	1	358	24	22	1	67	1
92-TB-180	.4	1	368	19	11	1	73	2
92-TB-181	.5	3	247	12	27	1	59	2
92-TB-182	.1	10	226	23	8	1	29	.1

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0741-RL1
DATE: 92/08/08
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-153	17.52	.095	.08	4.22	4.42	1.35	.02	1.09	.05	66.10	.005	.58	3.40	.02
92-TB-154	9.90	.015	.07	1.36	.53	.30	.01	4.61	.02	80.88	.005	.45	.60	.01
92-TB-155	14.13	.050	.15	3.05	2.73	1.11	.02	2.62	.03	73.86	.005	.48	1.10	.01
92-TB-156	13.16	.040	.24	4.64	1.86	1.66	.03	2.82	.05	71.90	.005	.43	2.20	.03
92-TB-157	15.34	.075	.26	4.73	3.39	1.53	.03	1.65	.06	68.80	.005	.50	2.70	.04
92-TB-158	15.41	.075	.02	3.47	4.29	1.23	.01	1.14	.10	69.71	.005	.50	3.30	.03
92-TB-159	14.73	.025	9.34	10.03	1.75	6.64	.31	.77	.08	52.41	.005	.98	1.80	.01
92-TB-160	15.34	.065	2.04	3.49	3.81	2.15	.07	1.63	.06	65.48	.010	.60	1.90	.04
92-TB-161	15.04	.035	4.74	4.81	2.14	2.26	.09	2.36	.07	66.04	.020	.60	.90	.03
92-TB-162	13.83	.040	9.07	15.80	.85	5.53	.30	3.14	.41	47.21	.025	2.13	.60	.04
92-TB-163	13.25	.045	4.46	5.29	2.10	1.80	.11	1.80	.07	68.38	.015	.60	.90	.03
92-TB-164	13.99	.025	5.83	7.77	2.00	1.43	.11	1.07	.20	63.85	.020	1.07	1.60	.69
92-TB-165	20.84	.115	.54	3.97	5.67	1.65	.05	.96	.04	59.89	.005	.76	4.40	.03
92-TB-166	12.37	.015	8.01	18.45	.89	4.61	.34	2.18	.32	47.91	.005	3.35	.80	.11
92-TB-167	14.12	.055	.19	3.57	2.63	1.48	.03	2.77	.08	70.86	.005	.54	2.60	.04
92-TB-168	16.27	.100	.07	1.84	4.60	1.02	.02	1.43	.01	70.22	.005	.47	2.90	.02
92-TB-169	12.53	.035	1.90	3.06	2.02	.96	.03	2.94	.03	73.74	.005	.37	1.80	.07
92-TB-170	13.53	.040	2.56	2.97	2.32	.92	.03	2.91	.06	71.30	.005	.48	2.00	.31
92-TB-171	18.45	.085	.10	3.94	3.88	1.90	.04	1.26	.09	63.24	.005	.64	3.70	.06
92-TB-172	15.48	.075	.78	4.62	3.40	1.82	.05	1.14	.42	66.85	.005	.51	3.90	.05
92-TB-173	15.62	.060	5.82	3.46	1.54	1.54	.05	2.87	.11	64.84	.010	.42	2.60	.04
92-TB-174	11.95	.025	3.14	9.21	2.90	1.75	.05	.42	.19	62.70	.010	.40	6.60	3.41
92-TB-176	15.04	.085	.73	4.22	4.02	1.86	.03	1.59	.09	68.35	.010	.48	2.80	.29
92-TB-177	15.29	.065	2.98	3.20	2.42	1.58	.04	3.78	.08	67.29	.035	.41	1.70	.12
92-TB-178	13.12	.085	3.22	3.50	3.19	2.34	.03	2.36	.08	68.95	.015	.46	1.50	.10

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0741-RJ1
DATE: 92/08/10
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-153	.2	10	111	15	3	1	24	5
92-TB-154	.3	10	32	9	7	1	8	2
92-TB-155	.1	8	81	6	5	1	14	3
92-TB-156	.1	5	57	19	7	1	22	5
92-TB-157	.2	8	78	15	8	1	21	2
92-TB-158	.4	14	86	12	7	1	9	2
92-TB-159	.5	99	44	5	24	1	51	5
92-TB-160	.5	1	383	14	1	1	46	19
92-TB-161	.1	1	486	6	1	1	71	1
92-TB-162	.1	1	351	46	1	1	38	2
92-TB-163	.1	1	558	6	3	1	100	4
92-TB-164	.1	1	315	29	1	1	72	4
92-TB-165	.4	70	209	18	7	1	60	3
92-TB-166	.1	1	43	17	1	1	34	2
92-TB-167	.3	11	92	13	11	1	20	4
92-TB-168	.5	7	149	13	6	1	9	1
92-TB-169	.7	8	106	8	6	1	13	1
92-TB-170	.9	37	103	20	6	1	12	5
92-TB-171	.1	1	103	22	5	1	22	1
92-TB-172	.1	5	103	34	9	1	15	4
92-TB-173	.5	1	79	37	14	1	25	5
92-TB-174	.5	1	69	150	31	1	32	8
92-TB-176	1.0	12	175	24	5	1	31	3
92-TB-177	.8	3	105	14	12	1	35	1
92-TB-178	.7	1	110	41	2	1	30	2

MIN • EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

AUG 13 1992

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0719-RG1

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: COLIN BURGE/TOM BERGER

Date: AUG-07-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUL-27-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-114	208	990
92-TB-117	72	790
92-TB-118	42	230
92-TB-119	232	1100
92-TB-120	4020	1990
92-TB-121	69	460
92-TB-122	72	110
92-TB-123	48	1640
92-TB-127	45	990
92-TB-128	39	1080
92-TB-129	51	2160
92-TB-130	271	1940
92-TB-131	3010	3980
92-TB-132	39	280
92-TB-133	42	940
92-TB-134	42	1250
92-TB-135	542	630
92-TB-136	60	260
92-TB-137	81	1520
92-TB-138	85	1420
92-TB-139	81	1360
92-TB-140	81	1430
92-TB-141	81	1340
92-TB-142	127	1180
92-TB-143	69	1170
92-TB-144	148	1090
92-TB-145	60	460
92-TB-146	54	410
92-TB-147	36	200
92-TB-148	84	1120

Certified by _____

MIN-EN LABORATORIES

MIN
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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0719-RG2

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: COLIN BURGE/TOM BERGER

Date: AUG-08-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 4 ROCK samples submitted JUL-27-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-149	43	250
92-TB-150	43	270
92-TB-151	76	770
92-TB-152	61	980

Certified by _____

MIN-EN LABORATORIES

MIN
• EN
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0719-RG1

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: COLIN BURGE/TOM BERGER

Date: AUG-07-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUL-27-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-114	208	990
92-TB-117	72	790
92-TB-118	42	230
92-TB-119	232	1100
92-TB-120	4020	1990
92-TB-121	69	460
92-TB-122	72	110
92-TB-123	48	1640
92-TB-127	45	990
92-TB-128	39	1080
92-TB-129	51	2160
92-TB-130	271	1940
92-TB-131	3010	3980
92-TB-132	39	280
92-TB-133	42	940
92-TB-134	42	1250
92-TB-135	542	630
92-TB-136	60	260
92-TB-137	81	1520
92-TB-138	85	1420
92-TB-139	81	1360
92-TB-140	81	1430
92-TB-141	81	1340
92-TB-142	127	1180
92-TB-143	69	1170
92-TB-144	148	1090
92-TB-145	60	460
92-TB-146	54	410
92-TB-147	36	200
92-TB-148	84	1120

Certified by _____

MIN-EN LABORATORIES

MIN
• EN
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0719-RG2

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: COLIN BURGE/TOM BERGER

Date: AUG-08-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 4 ROCK samples submitted JUL-27-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-149	43	250
92-TB-150	43	270
92-TB-151	76	770
92-TB-152	61	980

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0719-RJ1+2
DATE: 92/08/08
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-114	.1	2	160	7	39	1	35	1
92-TB-117	.3	1	159	33	16	1	11	1
92-TB-118	.1	9	43	5	6	1	1	1
92-TB-119	.6	1	429	19	6	1	9	1
92-TB-120	.5	332	214	10	24	1	1	1
92-TB-121	.8	1	210	15	10	1	41	1
92-TB-122	.4	14	7	2	12	1	1	1
92-TB-123	.7	1	744	10	12	1	96	2
92-TB-127	.8	30	137	21	23	1	138	1
92-TB-128	.6	8	131	16	15	1	15	1
92-TB-129	.5	1	275	53	12	1	797	1
92-TB-130	.4	1	412	16	8	1	52	3
92-TB-131	.5	63	148	22	10	1	1	1
92-TB-132	.7	12	52	5	13	1	1	1
92-TB-133	.4	12	128	5	11	1	8	2
92-TB-134	1.7	5	117	7	10	1	1	1
92-TB-135	.3	8	22	7	10	1	13	3
92-TB-136	.1	1	60	114	15	1	7	1
92-TB-137	.9	1	196	41	5	1	1	1
92-TB-138	1.3	6	300	23	6	1	1	1
92-TB-139	.8	5	263	14	5	1	1	1
92-TB-140	1.4	4	232	4	60	1	1	2
92-TB-141	.5	7	209	7	17	1	1	1
92-TB-142	.7	1	199	12	31	1	1	1
92-TB-143	.5	8	237	8	7	1	1	1
92-TB-144	.7	1	313	20	3	1	1	5
92-TB-145	.3	2	168	13	2	1	1	1
92-TB-146	.4	2	109	3	2	1	1	2
92-TB-147	.2	10	71	7	6	1	1	1
92-TB-148	.8	1	133	7	6	1	4	2
92-TB-149	.1	1	37	65	8	1	30	9
92-TB-150	.1	1	37	51	4	1	29	8
92-TB-151	1.6	4	64	8	8	1	32	4
92-TB-152	.1	1	179	41	18	1	77	3

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0719-RJ1+2
DATE: 92/08/08
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-114	.1	2	160	7	39	1	35	1
92-TB-117	.3	1	159	33	16	1	11	1
92-TB-118	.1	9	43	5	6	1	1	1
92-TB-119	.6	1	429	19	6	1	9	1
92-TB-120	.5	332	214	10	24	1	1	1
92-TB-121	.8	1	210	15	10	1	41	1
92-TB-122	.4	14	7	2	12	1	1	1
92-TB-123	.7	1	744	10	12	1	96	2
92-TB-127	.8	30	137	21	23	1	138	1
92-TB-128	.6	8	131	16	15	1	15	1
92-TB-129	.5	1	275	53	12	1	797	1
92-TB-130	.4	1	412	16	8	1	52	3
92-TB-131	.5	63	148	22	10	1	1	1
92-TB-132	.7	12	52	5	13	1	1	1
92-TB-133	.4	12	128	5	11	1	8	2
92-TB-134	1.7	5	117	7	10	1	1	1
92-TB-135	.3	8	22	7	10	1	13	3
92-TB-136	.1	1	60	114	15	1	7	1
92-TB-137	.9	1	196	41	5	1	1	1
92-TB-138	1.3	6	300	23	6	1	1	1
92-TB-139	.8	5	263	14	5	1	1	1
92-TB-140	1.4	4	232	4	60	1	1	2
92-TB-141	.5	7	209	7	17	1	1	1
92-TB-142	.7	1	199	12	31	1	1	1
92-TB-143	.5	8	237	8	7	1	1	1
92-TB-144	.7	1	313	20	3	1	1	5
92-TB-145	.3	2	168	13	2	1	1	1
92-TB-146	.4	2	109	3	2	1	1	2
92-TB-147	.2	10	71	7	6	1	1	1
92-TB-148	.8	1	133	7	6	1	4	2
92-TB-149	.1	1	37	65	8	1	30	9
92-TB-130	.1	1	37	51	4	1	29	8
92-TB-151	1.6	4	64	8	8	1	32	4
92-TB-152	.1	1	179	41	18	1	77	3

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0719-RL
DATE: 92/08/0
* ROCK * (ACT:F26

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-114	21.07	.095	.47	3.25	6.61	1.66	.08	.46	.05	60.52	.005	.74	3.70	.04
92-TB-117	16.20	.060	1.54	3.37	2.29	1.89	.03	4.16	.14	65.84	.010	.60	2.50	.13
92-TB-118	13.32	.015	.26	1.74	.59	.58	.01	6.48	.08	75.00	.005	.55	.60	.03
92-TB-119	19.13	.150	.92	4.31	5.51	1.73	.06	1.01	.05	61.85	.010	.75	3.30	.17
92-TB-120	17.56	.080	.78	3.62	3.18	1.80	.04	1.12	.19	67.84	.005	.51	2.00	.06
92-TB-121	15.01	.020	8.15	9.63	.91	5.52	.23	2.79	.11	53.93	.005	.92	1.80	.18
92-TB-122	18.31	.005	.28	.37	11.36	.12	.01	2.72	.19	65.08	.005	.02	.60	.01
92-TB-123	14.60	.060	6.70	8.64	1.57	1.62	.15	1.69	.21	61.47	.015	1.19	1.00	.08
92-TB-127	13.92	.080	3.22	2.22	3.76	1.44	.04	2.00	.04	70.06	.015	.40	1.90	.42
92-TB-128	13.14	.060	3.12	3.80	3.07	2.04	.03	2.46	.14	68.12	.010	.47	2.40	.41
92-TB-129	17.50	.050	5.32	7.76	2.34	3.09	.13	2.45	.20	55.14	.020	.66	4.00	1.70
92-TB-130	14.95	.060	2.45	4.66	3.36	3.00	.11	1.85	.11	66.41	.015	.54	1.60	.05
92-TB-131	16.10	.045	1.81	4.07	3.56	2.06	.04	.47	.92	66.91	.005	.52	2.40	.08
92-TB-132	9.82	.050	.33	1.62	3.66	.25	.04	2.98	.01	79.73	.010	.36	.30	.02
92-TB-133	11.44	.020	2.91	1.90	.97	1.09	.03	3.58	.03	75.43	.010	.46	.80	.03
92-TB-134	13.80	.105	6.68	2.94	4.04	4.81	.09	1.80	.08	62.22	.015	.52	1.90	.01
92-TB-135	11.45	.010	8.56	11.06	.76	10.92	.25	2.37	.09	50.79	.005	.86	2.00	.02
92-TB-136	15.88	.020	7.37	8.87	1.18	7.85	.22	3.50	.03	50.32	.005	.44	3.30	.01
92-TB-137	16.73	.080	2.71	4.48	3.74	2.10	.04	2.22	.06	62.81	.015	.63	3.70	.66
92-TB-138	16.79	.090	1.15	3.78	4.46	1.57	.02	1.70	.06	65.27	.010	.65	3.30	.10
92-TB-139	16.59	.095	.35	3.74	4.60	1.48	.02	1.56	.06	67.38	.005	.59	2.70	.07
92-TB-140	16.16	.090	.50	1.82	5.23	1.54	.05	.87	.06	69.56	.005	.58	2.80	.06
92-TB-141	16.01	.075	.44	1.95	4.13	1.34	.04	1.46	.03	70.18	.010	.59	3.00	.05
92-TB-142	14.83	.060	2.15	3.09	1.68	2.05	.09	3.60	.09	68.60	.015	.52	2.30	.06
92-TB-143	17.46	.110	.32	4.14	4.26	1.06	.05	1.80	.05	65.74	.005	.65	3.30	.03
92-TB-144	22.91	.150	.10	5.51	6.66	1.14	.06	.98	.07	56.58	.005	.85	4.10	.04
92-TB-145	12.21	.055	.90	3.83	2.11	.80	.04	3.28	.03	73.99	.005	.41	1.50	.03
92-TB-146	10.76	.040	.83	2.37	1.52	.54	.03	3.22	.05	78.05	.005	.42	1.20	.04
92-TB-147	10.84	.050	.25	2.43	1.74	.40	.03	4.00	.03	77.78	.005	.47	1.20	.07
92-TB-148	21.77	.110	.52	4.58	5.08	2.11	.06	2.16	.06	61.25	.010	.80	.40	.03

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0719-RL1
DATE: 92/08/07
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-114	21.07	.095	.47	3.25	6.61	1.66	.08	.46	.05	60.52	.005	.74	3.70	.04
92-TB-117	16.20	.060	1.54	3.37	2.29	1.89	.03	4.16	.14	65.84	.010	.60	2.50	.13
92-TB-118	13.32	.015	.26	1.74	.59	.58	.01	6.48	.08	75.00	.005	.55	.60	.03
92-TB-119	19.13	.150	.92	4.31	5.51	1.73	.06	1.01	.05	61.85	.010	.75	3.30	.17
92-TB-120	17.56	.080	.78	3.62	3.18	1.80	.04	1.12	.19	67.84	.005	.51	2.00	.06
92-TB-121	15.01	.020	8.15	9.63	.91	5.52	.23	2.79	.11	53.93	.005	.92	1.80	.18
92-TB-122	18.31	.005	.28	.37	11.36	.12	.01	2.72	.19	65.08	.005	.02	.60	.01
92-TB-123	14.60	.060	6.70	8.64	1.57	1.62	.15	1.69	.21	61.47	.015	1.19	1.00	.08
92-TB-127	13.92	.080	3.22	2.22	3.76	1.44	.04	2.00	.04	70.06	.015	.40	1.90	.42
92-TB-128	13.14	.060	3.12	3.80	3.07	2.04	.03	2.46	.14	68.12	.010	.47	2.40	.41
92-TB-129	17.50	.050	5.32	7.76	2.34	3.09	.13	2.45	.20	55.14	.020	.66	4.00	1.70
92-TB-130	14.95	.060	2.45	4.66	3.36	3.00	.11	1.85	.11	66.41	.015	.54	1.60	.05
92-TB-131	16.10	.045	1.81	4.07	3.56	2.06	.04	.47	.92	66.91	.005	.52	2.40	.08
92-TB-132	9.82	.050	.33	1.62	3.66	.25	.04	2.98	.01	79.73	.010	.36	.30	.02
92-TB-133	11.44	.020	2.91	1.90	.97	1.09	.03	3.58	.03	75.43	.010	.46	.80	.03
92-TB-134	13.80	.105	6.68	2.94	4.04	4.81	.09	1.80	.08	62.22	.015	.52	1.90	.01
92-TB-135	11.45	.010	8.56	11.06	.76	10.92	.25	2.37	.09	50.79	.005	.86	2.00	.02
92-TB-136	15.88	.020	7.37	8.87	1.18	7.85	.22	3.50	.03	50.32	.005	.44	3.30	.01
92-TB-137	16.73	.080	2.71	4.48	3.74	2.10	.04	2.22	.06	62.81	.015	.63	3.70	.66
92-TB-138	16.79	.090	1.15	3.78	4.46	1.57	.02	1.70	.06	65.27	.010	.65	3.30	.10
92-TB-139	16.59	.095	.35	3.74	4.60	1.48	.02	1.56	.06	67.38	.005	.59	2.70	.07
92-TB-140	16.16	.090	.50	1.82	5.23	1.54	.05	.87	.06	69.56	.005	.58	2.80	.06
92-TB-141	16.01	.075	.44	1.95	4.13	1.34	.04	1.46	.03	70.18	.010	.59	3.00	.05
92-TB-142	14.83	.060	2.15	3.09	1.68	2.05	.09	3.60	.09	68.60	.015	.52	2.30	.06
92-TB-143	17.46	.110	.32	4.14	4.26	1.06	.05	1.80	.05	65.74	.005	.65	3.30	.03
92-TB-144	22.91	.150	.10	5.51	6.66	1.14	.06	.98	.07	56.58	.005	.85	4.10	.04
92-TB-145	12.21	.055	.90	3.83	2.11	.80	.04	3.28	.03	73.99	.005	.41	1.50	.03
92-TB-146	10.76	.040	.83	2.37	1.52	.54	.03	3.22	.05	78.05	.005	.42	1.20	.04
92-TB-147	10.84	.050	.25	2.43	1.74	.40	.03	4.00	.03	77.78	.005	.47	1.20	.07
92-TB-148	21.77	.110	.52	4.58	5.08	2.11	.06	2.16	.06	61.25	.010	.80	.40	.03

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0719-RL2
DATE: 92/08/08
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-149	14.14	.010	9.70	10.96	.96	6.75	.21	.94	.07	52.59	.005	.67	1.80	.03
92-TB-150	14.22	.010	9.95	10.90	.95	6.84	.21	.74	.05	52.39	.005	.67	2.00	.06
92-TB-151	15.78	.020	.27	5.00	3.13	2.63	.02	2.02	.11	65.67	.005	.62	4.10	.17
92-TB-152	12.75	.040	1.98	5.35	2.59	2.04	.11	2.42	.09	68.78	.010	.46	2.40	.74

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0719-RL2
DATE: 92/08/08
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-149	14.14	.010	9.70	10.96	.96	6.75	.21	.94	.07	52.59	.005	.67	1.80	.03
92-TB-150	14.22	.010	9.95	10.90	.95	6.84	.21	.74	.05	52.39	.005	.67	2.00	.06
92-TB-151	15.78	.020	.27	5.00	3.13	2.63	.02	2.02	.11	65.67	.005	.62	4.10	.17
92-TB-152	12.75	.040	1.98	5.35	2.59	2.04	.11	2.42	.09	68.78	.010	.46	2.40	.74

MIN-EN LABORATORIES
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certifieate

OCT 21 1992

2V-1092-RG1

Company: MINNOVA INC.
Project: 675
Attn: COLIN BURGE

Date: SEP-30-92

We hereby certify the following Geochemical Analysis of 12 CORE samples submitted SEP-30-92 by COLIN BURGE.

Sample Number	B PPM	F PPM
40055	25	640
40056	44	720
40057	60	980
40058	57	780
40059	53	640
40060	439	1340
40061	233	680
40062	248	420
40063	289	510
40064	119	330
40065	21	170
40066	31	150

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-1092-RL1
DATE: 92/09/30
* CORE * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	LOI %	S %	TOT(%) %
40055	12.91	.075	3.20	3.92	2.98	1.88	.12	1.75	.08	66.05	.45	5.30	.13	99.00
40056	13.44	.075	1.02	4.37	3.44	1.62	.09	1.97	.10	70.14	.46	2.20	.36	99.02
40057	14.28	.080	.95	4.57	3.65	1.83	.09	1.80	.12	68.73	.49	2.70	.38	99.43
40058	14.01	.065	2.48	4.96	2.63	1.69	.11	2.72	.12	67.15	.48	2.60	.44	99.10
40059	13.63	.090	1.37	4.81	3.08	1.98	.10	3.94	.11	67.45	.51	2.00	.34	99.14
40060	15.16	.085	1.09	6.77	3.97	2.36	.15	2.67	.13	64.12	.53	2.20	.41	99.34
40061	15.12	.075	1.49	4.95	3.97	1.70	.09	1.46	.10	66.59	.53	3.00	.55	99.16
40062	13.07	.040	1.86	4.13	3.15	1.14	.09	1.65	.09	70.30	.43	3.00	.49	99.08
40063	11.43	.050	.83	5.76	3.82	1.07	.17	.30	.10	69.93	.39	5.20	.63	99.19
40064	12.05	.055	1.38	3.65	3.62	.69	.12	1.11	.06	73.43	.41	2.50	.23	99.21
40065	9.42	.025	2.32	2.43	1.57	.61	.04	2.08	.04	78.05	.34	2.00	.03	99.04
40066	15.76	.015	1.92	3.82	1.33	1.64	.03	6.20	.13	64.27	.46	3.60	.96	99.24

COMP: MINNOVA INC.
PROJ: 675
ATTN: COLIN BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-1092-RJ1
DATE: 92/10/07
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
40055	.1	32	224	33	31	1	90	1
40056	.1	1	277	30	71	1	122	1
40057	.1	1	262	24	57	1	143	2
40058	.4	1	198	36	95	1	137	2
40059	.1	1	478	34	30	1	63	1
40060	.1	1	520	56	89	1	284	1
40061	.4	59	214	29	64	1	74	2
40062	.3	3	121	84	159	1	290	1
40063	.1	1	103	17	175	1	277	2
40064	.1	1	153	46	98	1	571	2
40065	.3	1	129	11	10	1	47	1
40066	.1	1	53	10	9	1	14	2

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0651-RG1

Company: MINNOVA INC.
Project: 675-CRANBROOK
Attn: T. BERGER/C. BURGE

Date: JUL-29-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., CRANBROOK, B.C.

We hereby certify the following Geochemical Analysis of 6 ROCK samples submitted JUL-15-92 by TOM BERGER.

Sample Number	B PPM	F PPM
92-TB-109	41	230
92-TB-111	738	960
92-TB-112	823	1710
92-TB-113	1131	460
92-TB-115	43	1720
92-TB-116	57	1980

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 675-CRANBROOK
ATTN: T. BERGER/C. BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0651-RJ1
DATE: 92/07/20
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-109	.7	11	84	10	9	1	20	7
92-TB-111	.1	1	158	48	142	1	112	2
92-TB-112	.6	1	291	74	190	1	187	1
92-TB-113	.6	1	230	40	130	1	92	1
92-TB-115	.1	1	290	232	121	1	13602	5
92-TB-116	.1	1	262	25	91	1	419	1

COMP: MINNOVA INC.
PROJ: 675-CRANBROOK
ATTN: T. BERGER/C. BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0651-RL1
DATE: 92/07/20
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-109	7.07	.030	1.85	1.16	2.48	.40	.08	6.07	.03	78.08	.005	.46	1.20	.07
92-TB-111	9.44	.025	4.56	4.53	3.45	1.77	.32	4.75	.17	65.93	.010	.47	3.50	1.08
92-TB-112	9.07	.055	.78	4.51	5.35	1.43	.19	3.85	.08	69.85	.010	.46	3.70	.59
92-TB-113	9.61	.055	.72	3.27	5.75	1.09	.13	4.22	.07	70.33	.005	.47	3.30	.37
92-TB-115	7.35	.035	3.79	9.91	3.92	2.02	.30	4.00	.22	59.64	.010	.35	6.20	5.80
92-TB-116	13.36	.025	7.74	2.43	1.91	.75	.24	11.27	.05	59.61	.025	.61	1.20	.56

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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0640-RG1

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: T.BERGER/C.BURGE

Date: JUL-22-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 3 ROCK samples submitted JUL-13-92 by TOM BERGER.

Sample Number	B PPM	F PPM
09315	39	20
09316	49	340
92-TB-110	95	350

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0569-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: JUL-22-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 19 ROCK samples submitted JUN-29-92 by T. BERGER.

Sample Number	B PPM	F PPM
92-TB-028	65	960
92-TB-029	19	590
92-TB-092	57	810
92-TB-093	160	780
92-TB-094	34	880
92-TB-095	266	800
92-TB-096	42	490
92-TB-097	27	670
92-TB-098	106	770
92-TB-099	137	690
92-TB-100	152	1140
92-TB-101	110	970
92-TB-102	110	510
92-TB-103	42	1060
92-TB-104	91	760
92-TB-105	243	720
92-TB-106	160	380
92-TB-107	38	290
92-TB-108	49	870

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC
PROJ: 675-CRANBROOK
ATTN: T.BERGER/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0640-RJ1
DATE: 92/07/17
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
09315	.1	1	3	7	1	1	7	15
09316	.1	1	101	39	4	1	51	1
92-TB-110	.1	11	102	25	6	1	17	1

COMP: MINNOVA INC
PROJ: 675-CRANBROOK
ATTN: T.BERGER/C.BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0640-RL1
DATE: 92/07/17
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09315	5.69	.005	.38	48.82	.14	.06	.01	10.48	.03	32.26	.005	.30	.60	.46
09316	9.71	.015	11.57	10.18	2.03	4.15	.44	4.06	.10	53.39	.005	.86	2.30	1.20
92-TB-110	7.08	.040	.71	1.90	4.98	.63	.04	1.90	.02	68.85	.005	.35	1.90	.47

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0569-RJ1
DATE: 92/07/06
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-028	.1	1	153	43	38	1	159	1
92-TB-029	.3	4	26	7	77	1	19	1
92-TB-092	.1	1	198	28	76	1	140	5
92-TB-093	.9	1	129	24	711	1	735	1
92-TB-094	.6	1	191	18	1	1	75	1
92-TB-095	.1	1	341	39	37	1	447	2
92-TB-096	.1	1	63	41	45	1	45	3
92-TB-097	.1	1	104	71	20	1	50	1
92-TB-098	.2	1	169	13	8	1	58	2
92-TB-099	.2	1	117	16	34	1	51	1
92-TB-100	.2	1	156	13	97	1	57	1
92-TB-101	.8	1	115	38	428	1	424	3
92-TB-102	.1	1	92	33	96	1	377	1
92-TB-103	.1	1	92	17	18	1	100	1
92-TB-104	.2	1	203	25	102	1	205	1
92-TB-105	.2	1	155	32	38	1	115	2
92-TB-106	1.1	9	47	54	326	1	205	1
92-TB-107	.2	1	180	24	1	1	45	1
92-TB-108	.2	1	85	30	16	1	89	1

JUL 15 1992

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0569-RL1
DATE: 92/07/07
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-028	12.55	.015	3.36	5.96	1.98	2.69	.13	2.39	.11	66.70	.015	.42	2.60	1.27
92-TB-029	10.25	.010	4.40	2.13	1.58	.66	.06	2.34	.13	75.82	.005	.26	1.30	.03
92-TB-092	13.90	.055	2.37	5.20	3.05	1.66	.11	2.95	.09	67.81	.010	.45	1.70	.52
92-TB-093	11.78	.020	1.96	5.73	2.28	1.98	.15	1.77	.10	69.93	.010	.39	2.80	.57
92-TB-094	13.96	.020	7.42	10.75	1.70	4.66	.19	1.24	.13	56.40	.005	1.00	1.60	.37
92-TB-095	11.92	.035	1.34	5.85	1.87	2.12	.11	2.71	.06	69.92	.010	.39	2.90	.52
92-TB-096	9.61	.015	.35	4.36	1.57	1.09	.01	2.28	.03	76.70	.010	.35	2.70	.09
92-TB-097	9.97	.045	2.89	4.52	2.11	1.33	.07	1.57	.04	73.12	.010	.32	3.00	.66
92-TB-098	12.34	.050	2.07	3.35	2.16	1.75	.06	2.59	.15	72.51	.015	.43	1.60	.09
92-TB-099	11.29	.025	1.65	3.69	2.48	1.93	.09	.87	.05	74.07	.005	.39	2.60	.06
92-TB-100	15.83	.045	2.38	4.05	3.67	2.28	.09	1.35	.12	65.32	.005	.52	3.30	.07
92-TB-101	11.83	.015	1.81	6.43	2.00	2.10	.16	2.24	.13	67.63	.010	.42	4.30	.98
92-TB-102	10.24	.025	1.51	5.50	2.06	1.41	.11	1.21	.02	73.78	.005	.36	2.70	1.15
92-TB-103	13.22	.025	1.78	4.71	1.40	2.48	.09	3.48	.08	69.26	.015	.43	2.40	.08
92-TB-104	12.09	.050	1.98	4.52	2.75	1.89	.08	1.81	.10	71.66	.010	.40	1.60	.36
92-TB-105	12.72	.025	2.43	4.91	2.63	1.94	.10	1.36	.12	69.79	.005	.44	2.60	.49
92-TB-106	9.25	.020	2.34	4.21	2.48	1.06	.06	1.36	.03	75.33	.010	.29	2.90	.96
92-TB-107	13.52	.015	8.18	11.39	1.11	6.68	.23	1.77	.08	53.09	.005	.86	2.20	.66
92-TB-108	12.82	.020	2.37	5.63	1.69	1.92	.07	3.01	.11	68.61	.020	.45	2.60	.64

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

iPL Report: 9200419 M Minnova Canada
Project: Horn 675

In: Jun 29, 1992
Out: Jul 03, 1992

5 Soil

Certified BC Assayer David Chiu

Sample Name	Au ppb	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Mn ppm	Pb ppm	Sn ppm	Zn ppm
70+00W 07+00NS	--	<0.1	503	<0.1	18	723	10	<10	36
92ML 001 L	--	0.3	339	<0.1	13	640	14	10	63
92ML 002 L	--	<0.1	372	<0.1	13	649	9	10	64
09294 L	--	0.7	221	<0.1	9	1281	12	26	25
09295 L	--	0.3	250	<0.1	16	947	10	13	36
Min Limit	5	0.1	2	0.1	1	1	2	10	1
Max Reported*	10000	99.9	9999	99.9	9999	9999	9999	999	9999
Method	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

Sample Name	Au ppb	Ag ppm	Ba ppm	Cd ppm	Cu ppm	Mn ppm	Pb ppm	Sn ppm	Zn ppm
Min Limit	5	0.1	2	0.1	1	1	2	10	1
Max Reported*	10000	99.9	9999	99.9	9999	9999	9999	999	9999
Method	FA/AAS	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

JUL 8 1992

--=Not Analysed ins=Insufficient Sample **=Overlimit S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate %

MINERAL ENVIRONMENTS LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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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
FAX (604) 980-9621

SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0535-RG1

JUL 8 1992

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: JUN-30-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

Ans'd .....

We hereby certify the following Geochemical Analysis of 26 ROCK samples submitted JUN-22-92 by T. BERGER.

Sample Number	B PPM	F PPM
92-TB-075	11	560
92-TB-076	11	1040
92-TB-077	48	900
92-TB-078	4	280
92-TB-079	22	450
92-TB-080	37	760
92-TB-081	44	490
92-TB-082	15	930
92-TB-083	19	740
92-TB-084	85	880
92-TB-085	152	980
92-TB-086	133	870
92-TB-087	63	760
92-TB-088	23	390
92-TB-089	44	640
92-TB-090	67	750
92-TB-091	76	560
09306	37	230
09307	33	440
09308	144	480
09309	30	300
09310	30	220
09311	56	790
09312	48	790
09313	104	830
09314	56	1120

Certified by _____

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0535-RLI
DATE: 92/06/30
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92-TB-075	12.82	.035	.32	4.01	1.57	1.61	.05	3.54	.06	71.72	.010	.40	2.80	.06
92-TB-076	14.30	.030	.89	5.87	1.39	2.69	.07	4.81	.12	66.11	.010	.47	2.20	.07
92-TB-077	23.90	.145	.15	4.11	7.21	1.51	.05	1.55	.07	55.81	.005	.77	4.10	.03
92-TB-078	9.91	.035	.26	3.11	1.18	.87	.04	3.05	.04	78.83	.005	.31	1.40	.05
92-TB-079	14.57	.060	.26	3.62	2.77	1.14	.04	2.82	.05	71.12	.005	.43	2.20	.04
92-TB-080	14.87	.085	.83	3.47	3.99	2.29	.06	2.99	.11	67.11	.010	.48	3.00	.04
92-TB-081	12.81	.040	.96	2.54	2.01	1.45	.08	3.90	.07	73.12	.010	.42	1.70	.05
92-TB-082	15.17	.075	3.51	4.99	3.44	2.18	.08	1.69	.10	65.30	.015	.57	1.90	.06
92-TB-083	15.44	.045	.10	4.00	2.94	2.51	.02	2.24	.06	68.20	.005	.51	3.10	.07
92-TB-084	16.55	.065	.56	5.58	3.18	2.30	.06	2.95	.12	63.81	.010	.57	3.40	.10
92-TB-085	15.30	.060	.25	5.80	3.05	2.28	.05	2.67	.10	65.34	.010	.49	3.60	.09
92-TB-086	14.01	.045	1.43	4.22	3.96	1.71	.08	.65	.05	70.03	.005	.49	2.50	.24
92-TB-087	17.56	.115	.28	4.35	4.95	1.59	.04	1.19	.04	64.84	.005	.54	3.50	.10
92-TB-088	12.13	.010	7.83	19.47	.68	3.42	.31	2.52	.12	49.44	.005	2.41	1.00	.11
92-TB-089	14.76	.045	.92	3.19	3.80	1.22	.04	1.27	.03	70.92	.005	.48	2.30	.05
92-TB-090	15.83	.040	.20	4.07	3.23	2.60	.04	2.62	.12	66.93	.005	.54	2.90	.08
92-TB-091	14.81	.070	.33	2.67	3.54	1.05	.03	2.14	.06	72.24	.010	.38	2.10	.05
09306	8.67	.040	.62	2.98	2.05	.23	.03	1.97	.02	80.07	.005	.33	2.10	.68
09307	11.39	.025	1.66	3.68	1.47	.93	.06	3.60	.04	74.98	.015	.29	1.20	.24
09308	15.59	.070	1.50	1.99	3.18	.66	.03	3.49	.03	70.34	.015	.25	2.00	.25
09309	8.61	.030	.63	3.24	1.08	.35	.03	3.26	.04	80.63	.010	.28	1.10	.40
09310	10.43	.035	.52	2.42	1.70	.31	.02	3.06	.04	79.20	.005	.24	1.40	.37
09311	14.35	.080	1.85	3.81	3.97	1.57	.06	2.70	.11	68.27	.010	.51	2.00	.66
09312	14.16	.075	1.25	3.58	3.65	1.41	.04	2.95	.08	68.99	.010	.45	2.50	.67
09313	14.87	.070	1.10	4.73	4.33	1.66	.06	1.87	.11	66.53	.010	.49	3.20	.67
09314	14.54	.065	1.85	5.11	4.01	2.12	.07	2.18	.13	66.45	.010	.48	2.10	.50

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0535-RJ1
DATE: 92/06/30
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-075	.1	1	76	131	8	1	38	1
92-TB-076	.1	1	151	42	151	1	78	1
92-TB-077	.1	1	169	10	2	1	24	1
92-TB-078	.1	1	70	41	9	1	28	1
92-TB-079	.1	1	91	13	6	1	34	1
92-TB-080	.1	1	119	23	4	1	40	1
92-TB-081	.1	1	65	87	14	1	42	1
92-TB-082	.1	1	393	9	1	1	62	1
92-TB-083	.1	1	65	9	1	1	20	1
92-TB-084	.1	1	135	24	17	1	77	1
92-TB-085	.1	1	131	25	24	1	90	3
92-TB-086	.1	8	105	30	21	1	64	1
92-TB-087	.1	1	250	46	7	1	53	17
92-TB-088	.1	1	42	69	1	1	59	4
92-TB-089	.1	1	70	18	6	1	31	4
92-TB-090	.1	1	80	25	2	1	26	3
92-TB-091	.1	1	134	10	4	1	31	1
09306	.1	1	65	29	25	1	73	2
09307	.1	5	141	22	8	1	58	1
09308	.1	1	101	27	13	1	22	2
09309	.1	1	90	31	13	1	68	3
09310	.1	1	100	34	8	1	15	1
09311	.1	1	169	30	11	1	65	6
09312	.1	1	143	27	6	1	40	1
09313	.1	3	130	33	15	1	68	1
09314	.1	1	223	28	3	1	89	1

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VANCOUVER OFFICE:
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NORTH VANCOUVER, B.C. CANADA V7M 1T2
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TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0510-RG1

Company: MINNOVA INC.
Project: CRANBROOK-675
Attn: COLIN BURGE/TOM BERGER

Date: JUN-26-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUN-15-92 by T. BERGER.

RECEIVED
JUL 3 1992
Ass'd

Sample Number	B PPM	F PPM
92-TB-050	133	510
92-TB-051	36	380
92-TB-052	170	400
92-TB-053	18	740
92-TB-054	94	650
92-TB-055	310	1240
92-TB-056	33	460
92-TB-057	33	610
92-TB-058	135	820
92-TB-059	62	710
92-TB-060	37	460
92-TB-061	118	780
92-TB-062	107	780
92-TB-063	72	940
92-TB-064	107	760
92-TB-065	72	930
92-TB-066	33	150
92-TB-067	14	830
92-TB-068	22	200
92-TB-069	39	1280
92-TB-070	574	1390
92-TB-071	617	980
92-TB-072	36	1070
92-TB-073	242	1240
92-TB-074	25	540
09301	82	790
09302	84	610
09303	63	830
09304	46	780
09305	149	990

Certified by _____

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0510-RL1
DATE: 92/06/26
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	S %	LOI %
92-TB-050	16.15	.065	.73	5.22	4.01	1.66	.06	1.47	.13	65.11	.010	.55	.11	4.00
92-TB-051	17.51	.010	.48	.91	4.18	.13	.45	5.47	.28	69.03	.005	.03	.02	.70
92-TB-052	13.81	.035	.94	4.60	2.13	1.43	.07	2.90	.08	70.36	.015	.43	.07	2.20
92-TB-053	13.17	.035	1.77	5.81	1.97	2.32	.07	3.12	.10	68.41	.015	.41	.08	2.00
92-TB-054	14.47	.050	1.00	5.76	3.13	2.13	.08	2.32	.08	66.78	.015	.48	.14	2.70
92-TB-055	15.27	.065	3.90	4.09	2.47	2.45	.08	2.64	.22	66.32	.020	.45	.04	1.40
92-TB-056	11.10	.040	1.19	3.61	2.31	1.10	.03	1.98	.02	75.22	.015	.34	.15	2.00
92-TB-057	14.67	.055	3.24	5.37	3.06	2.24	.06	2.55	.12	64.36	.015	.47	.42	2.90
92-TB-058	13.25	.025	1.80	6.44	2.36	2.51	.08	2.88	.10	67.53	.015	.40	.40	2.00
92-TB-059	12.27	.035	2.34	4.69	2.28	1.79	.08	2.27	.11	71.85	.015	.39	.13	1.00
92-TB-060	15.94	.035	4.43	5.27	3.03	1.84	.10	1.91	.06	63.83	.025	.47	.15	2.40
92-TB-061	14.86	.050	1.36	5.26	3.20	1.61	.05	2.51	.05	67.50	.015	.46	.17	2.20
92-TB-062	16.42	.085	.61	3.05	4.66	1.33	.03	.86	.03	69.46	.005	.48	.07	2.30
92-TB-063	14.48	.030	2.89	5.55	2.37	2.07	.05	3.15	.15	65.96	.025	.45	.37	2.20
92-TB-064	17.51	.110	.54	5.98	4.68	2.26	.07	1.10	.11	63.35	.010	.58	.17	3.00
92-TB-065	15.37	.060	2.72	4.92	3.43	2.17	.06	1.94	.07	66.22	.010	.54	.11	1.60
92-TB-066	14.15	.010	9.62	10.44	.69	7.49	.20	1.64	.03	52.14	.005	.51	.04	2.10
92-TB-067	12.72	.065	5.83	4.66	2.91	3.46	.07	1.91	.11	64.22	.010	.44	.70	2.70
92-TB-068	14.39	.005	10.40	8.97	.16	6.13	.19	1.74	.08	54.47	.005	.65	.06	2.00
92-TB-069	10.27	.045	7.82	3.29	2.61	2.86	.06	1.52	.04	62.84	.005	.33	.05	7.40
92-TB-070	16.57	.065	1.79	4.08	4.10	2.49	.10	1.17	.08	65.26	.010	.54	.11	3.10
92-TB-071	15.23	.045	.60	4.98	2.81	3.11	.09	1.98	.08	66.19	.005	.47	.07	3.50
92-TB-072	12.53	.020	4.21	4.60	2.09	2.16	.11	1.43	.08	68.60	.005	.44	.58	2.90
92-TB-073	16.16	.075	1.06	4.14	2.98	1.58	.08	2.91	.07	66.69	.010	.48	.08	2.80
92-TB-074	15.40	.015	8.74	10.50	1.17	6.11	.21	1.64	.07	52.10	.005	.81	.74	2.60
09301	14.59	.070	1.68	4.33	3.18	1.53	.06	2.35	.06	68.60	.015	.45	.50	2.20
09302	15.51	.075	1.06	4.24	3.60	1.15	.09	2.60	.04	68.88	.010	.46	.58	1.60
09303	14.54	.060	2.23	4.77	2.83	1.74	.12	2.84	.07	67.98	.015	.44	.35	1.80
09304	12.63	.025	3.09	3.81	1.69	1.48	.07	3.33	.05	70.96	.015	.36	.57	1.70
09305	15.07	.065	.86	4.58	4.04	1.69	.07	1.50	.09	68.33	.010	.49	.62	2.60

COMP: MINNOVA INC.
PROJ: CRANBROOK-675
ATTN: COLIN BURGE/TOM BERGER

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0510-RJ1
DATE: 92/06/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92-TB-050	.1	23	156	25	15	1	51	6
92-TB-051	.1	1	25	6	24	1	12	5
92-TB-052	.1	1	114	22	29	1	57	3
92-TB-053	.1	1	315	20	4	1	77	1
92-TB-054	.1	1	267	31	15	1	87	1
92-TB-055	.3	19	436	5	2	1	65	1
92-TB-056	.1	3	161	24	6	1	26	5
92-TB-057	.4	1	247	16	1	1	51	1
92-TB-058	.1	1	263	49	9	1	127	1
92-TB-059	.5	8	281	14	11	1	64	4
92-TB-060	.4	104	150	13	10	1	120	5
92-TB-061	.3	5	271	20	1	1	48	1
92-TB-062	.1	1	288	7	2	1	27	4
92-TB-063	.4	14	288	39	3	1	60	2
92-TB-064	.1	1	365	26	9	1	68	3
92-TB-065	.3	1	402	11	5	1	63	4
92-TB-066	.5	1	65	91	3	1	31	30
92-TB-067	.8	1	110	36	1	1	16	5
92-TB-068	.8	1	7	118	7	1	33	3
92-TB-069	.2	1	201	14	26	1	96	1
92-TB-070	.4	2	268	11	40	1	63	4
92-TB-071	.3	33	162	16	33	1	126	1
92-TB-072	.5	1	102	38	56	1	124	2
92-TB-073	.6	8	232	14	51	1	60	4
92-TB-074	1.1	87	66	32	11	1	58	12
09301	.3	1	275	27	35	1	126	4
09302	.1	3	269	28	88	1	140	4
09303	.3	13	260	29	79	1	138	6
09304	.3	1	165	33	26	1	62	3
09305	.1	71	175	26	23	1	103	4

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SMITHERS LAB.:
3176 TATLOW ROAD
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FAX (604) 847-3005

RECEIVED
JUL 9 1992
Ans'd .....

Geochemical Analysis Certificate

2V-0487-RG1

Company: MINNOVA INC.
Project: HORN-675
Attn: COLIN BURGE/TOM BERGER-RM 124

Date: JUN-26-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUN-10-92 by T. BERGER.

Sample Number	B PPM	F PPM
92 TB 018	36	800
92 TB 019	10	710
92 TB 020	8	740
92 TB 021	758	890
92 TB 022	1	220
92 TB 023	14	400
92 TB 024	7	770
92 TB 025	7	620
92 TB 026	88	850
92 TB 027	58	670
92 TB 030	1	350
92 TB 031	152	670
92 TB 032	52	610
92 TB 033	42	600
92 TB 034	25	390
92 TB 035	34	600
92 TB 036	45	560
92 TB 037	22	310
92 TB 038	101	860
92 TB 039	52	750
92 TB 040	11	210
92 TB 041	64	670
92 TB 042	42	720
92 TB 043	9	330
92 TB 044	21	430
92 TB 045	26	450
92 TB 046	10	330
92 TB 047	28	330
92 TB 048	7	350
92 TB 049	128	770

Certified by _____

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
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SMITHERS LAB.:
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SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0487-RG2

Company: MINNOVA INC.
Project: HORN-675
Attn: COLIN BURGE/TOM BERGER-RM 124

Date: JUN-26-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 15 ROCK samples submitted JUN-10-92 by T. BERGER.

Sample Number	B PPM	F PPM
92 CB 002	25	140
09285	23	370
09286	15	740
09287	1725	1280
09288	3400	1880
09289	28	140
09290	143	670
09291	25	240
09292	184	210
09293	10	990
09296	21	440
09297	21	760
09298	48	60
09299	63	580
09300	448	870

Certified by _____

COMP: MINNOVA INC.
PROJ: HORN-675
ATTN: COLIN BURGE/TOMI BERGER-RM 12

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0487-RJ1+2
DATE: 92/06/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92 TB 018	2.4	1	410	37	87	3	163	85
92 TB 019	.1	1	347	37	2	1	121	10
92 TB 020	.4	18	183	38	8	1	95	14
92 TB 021	.9	30	194	20	25	1	40	14
92 TB 022	.1	16	12	4	11	2	13	17
92 TB 023	.1	34	19	4	11	1	10	25
92 TB 024	.1	1	57	9	6	1	61	3
92 TB 025	.1	1	47	18	3	1	48	3
92 TB 026	.1	1	129	14	8	1	24	3
92 TB 027	.4	1	174	21	13	1	34	8
92 TB 030	.1	50	14	6	12	1	8	49
92 TB 031	.1	4	301	47	38	1	42	18
92 TB 032	.1	1	271	56	8	1	25	13
92 TB 033	.1	1	179	24	8	1	27	8
92 TB 034	.1	19	119	8	11	1	19	1
92 TB 035	2.1	1	137	30	36	9	65	24
92 TB 036	.1	21	223	37	17	1	33	18
92 TB 037	.5	3	89	3	11	2	12	13
92 TB 038	3.0	1	169	23	200	9	245	20
92 TB 039	.3	1	253	33	8	1	27	4
92 TB 040	1.0	11	41	6	23	5	28	14
92 TB 041	.1	1	239	64	19	1	48	7
92 TB 042	.1	1	150	4	46	1	193	3
92 TB 043	.1	2	94	2	12	1	26	2
92 TB 044	.5	1	165	3	13	1	30	7
92 TB 045	.4	1	185	7	14	1	41	4
92 TB 046	1.0	1	100	5	24	1	60	5
92 TB 047	.7	2	83	5	21	1	29	4
92 TB 048	.5	1	159	15	34	1	41	2
92 TB 049	.1	1	142	21	10	1	33	3
92 CB 002	.1	16	120	9	7	1	15	4
09285	.1	1	315	44	2	1	75	3
09286	.1	1	549	26	1	1	196	6
09287	.3	1	189	31	30	1	82	72
09288	3.6	464	140	9	246	2	50	32
09289	.1	22	10	9	6	1	8	15
09290	.1	1	130	46	6	1	56	10
09291	.1	4	11	5	7	1	5	8
09292	.1	4	181	17	13	1	20	11
09293	.1	6	94	140	12	1	49	7
09296	.3	1	98	194	1	1	45	2
09297	.1	1	202	36	6	1	20	4
09298	4.9	23	6	8731	91	10	352	144
09299	.1	1	202	177	45	1	143	3
09300	.2	3	217	77	52	1	114	3

COMP: MINNOVA INC.
PROJ: HORN-675
ATTN: COLIN BURGE/TOM BERGER-RM 12

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0487-RL1+2
DATE: 92/06/26
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92 TB 018	14.91	.060	2.81	5.32	3.47	2.03	.08	1.59	.12	66.79	.010	.55	1.20	.11
92 TB 019	13.95	.030	5.11	9.81	2.55	2.89	.16	.49	.16	59.56	.005	.94	3.30	.34
92 TB 020	13.79	.025	6.84	10.49	1.93	4.70	.21	1.20	.14	55.85	.005	.90	3.30	.62
92 TB 021	15.34	.055	1.39	4.25	3.71	1.38	.03	1.36	.12	67.88	.005	.51	3.00	.28
92 TB 022	2.27	.005	.03	2.22	.55	.10	.01	.10	.05	92.93	.005	.08	.70	.06
92 TB 023	10.77	.010	.01	13.02	2.83	.28	.01	.31	.17	68.59	.005	.22	3.10	.14
92 TB 024	14.41	.020	.71	8.02	1.13	2.90	.06	4.12	.16	64.06	.005	.82	2.70	.09
92 TB 025	14.03	.015	.65	7.72	1.02	2.61	.09	4.36	.19	65.42	.005	.82	2.10	.12
92 TB 026	16.59	.075	.10	4.51	4.30	1.49	.01	1.33	.13	66.85	.005	.56	3.20	.07
92 TB 027	14.56	.095	1.40	2.72	4.08	1.59	.04	2.75	.08	69.69	.010	.46	1.70	.17
92 TB 030	4.11	.010	.01	4.36	.74	.12	.01	.33	.04	88.21	.005	.10	1.00	.09
92 TB 031	14.75	.095	.42	3.34	2.73	1.18	.02	2.97	.05	71.24	.005	.48	1.90	.07
92 TB 032	17.56	.100	.02	5.16	4.66	1.43	.02	.84	.08	65.17	.005	.54	3.40	.07
92 TB 033	16.37	.085	.12	5.04	3.78	1.96	.02	1.57	.08	66.93	.005	.52	2.90	.06
92 TB 034	11.43	.035	.18	3.00	1.86	1.05	.02	2.27	.05	77.14	.005	.36	1.60	.04
92 TB 035	14.83	.055	.13	4.63	2.81	2.19	.05	1.99	.09	69.58	.005	.46	2.30	.08
92 TB 036	16.75	.080	.01	5.53	4.13	1.45	.02	1.28	.09	65.56	.005	.53	4.00	.18
92 TB 037	9.66	.035	.10	1.55	1.58	.42	.02	3.03	.04	80.87	.005	.33	1.50	.05
92 TB 038	14.12	.055	2.13	2.89	3.64	2.75	.11	.89	.10	68.85	.010	.46	3.30	.21
92 TB 039	18.62	.105	.01	4.96	5.48	.94	.02	.88	.11	63.90	.005	.59	3.50	.04
92 TB 040	18.54	.005	.01	2.70	.36	.34	.01	10.17	.07	65.17	.005	.45	1.50	.92
92 TB 041	18.67	.105	.04	5.50	4.96	1.60	.05	1.16	.08	62.24	.005	.59	4.40	.04
92 TB 042	15.34	.035	.42	6.01	1.16	2.98	.10	4.72	.16	65.05	.010	.43	2.90	.04
92 TB 043	7.59	.025	.36	1.95	1.22	.49	.01	1.73	.06	84.40	.005	.26	1.00	.02
92 TB 044	11.85	.045	.28	2.42	2.50	.63	.03	2.55	.05	76.79	.005	.32	1.60	.03
92 TB 045	11.32	.035	.64	2.87	1.89	.70	.04	2.94	.06	77.23	.005	.31	1.10	.10
92 TB 046	10.80	.035	.85	3.56	1.82	.94	.08	2.80	.05	75.95	.005	.32	2.00	.02
92 TB 047	9.44	.025	.74	2.18	1.99	.52	.04	1.74	.05	80.85	.005	.31	1.20	.01
92 TB 048	10.07	.040	1.74	2.93	1.19	.87	.07	3.04	.07	77.71	.005	.31	1.30	.05
92 TB 049	19.22	.085	.03	3.97	5.26	1.96	.04	1.30	.04	62.50	.005	.60	4.10	.02
92 CB 002	11.05	.045	.25	2.21	1.44	.47	.03	3.44	.04	78.20	.005	.37	1.60	.02
09285	13.37	.020	6.80	10.78	1.50	4.42	.19	1.73	.13	55.11	.005	.83	4.00	.88
09286	14.05	.035	4.97	11.06	3.22	2.99	.19	.32	.15	58.73	.005	1.06	2.50	.93
09287	15.89	.065	1.27	3.67	3.90	1.59	.08	.83	.07	67.16	.005	.52	4.00	.05
09288	17.31	.070	.23	3.70	4.66	1.74	.03	.31	.06	66.07	.005	.56	4.40	.57
09289	2.29	.005	.01	2.41	.38	.09	.01	.18	.03	93.00	.005	.06	1.00	.03
09290	14.96	.055	.73	5.32	2.65	2.08	.06	2.43	.08	67.54	.010	.49	2.80	.40
09291	16.61	.005	.61	.33	.15	.06	.01	9.73	.42	71.01	.005	.01	.30	.04
09292	17.18	.080	1.57	5.86	4.08	2.51	.12	1.70	.10	64.69	.010	.57	.80	.60
09293	11.40	.035	.86	7.36	3.44	2.82	.01	.63	.16	64.60	.005	.44	7.20	2.12
09296	11.93	.010	6.92	18.33	.82	3.80	.21	2.29	.30	49.89	.005	2.16	2.20	1.24
09297	14.58	.055	.81	5.07	3.94	1.39	.03	1.64	.07	66.05	.005	.45	4.90	.67
09298	17.53	.005	11.71	5.41	.23	.19	.06	.26	.07	59.20	.010	.06	3.60	.88
09299	17.64	.055	3.71	5.21	2.66	1.51	.10	4.04	.15	60.81	.005	.53	2.50	.38
09300	16.69	.090	.92	5.64	4.61	1.63	.09	1.85	.10	63.75	.010	.54	3.20	.89

MINERAL • ENVIRONMENTS LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
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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
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SMITHERS LAB.:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TELEPHONE (604) 847-3004
FAX (604) 847-3005

Geochemical Analysis Certificate

2V-0452-RG1

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: G.WELLS/C.BURGE

Date: JUN-23-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

RECEIVED
JUN 26 1992

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUN-04-92 by G. WELLS.

Sample Number	B PPM	F PPM
09251	1630	270
09252	61	530
09253	1	570
09254	12	930
09255	15	710
09256	11	490
09257	16	590
09258	19	720
09259	21	840
09260	93	470
09261	55	1010
09262	8	880
09263	115	440
09264	80	330
09265	13	370
09266	12	360
09267	15	1090
09268	1	1260
09269	17	880
09270	14	830
09271	14	960
09272	19	830
09273	26	600
09274	21	400
09275	8	80
09276	76	260
09277	5	530
09278	1	60
09279	2	1720
09280	20	1820

Certified by _____

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Geochemical Analysis Certificate

2V-0452-RG2

Company: MINNOVA INC.
Project: 675 CRANBROOK
Attn: G.WELLS/C.BURGE

Date: JUN-23-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 7 ROCK samples submitted JUN-04-92 by G. WELLS.

Sample Number	B PPM	F PPM
09281	47	890
09282	1	90
09283	11	1050
09284	78	840
09376	2070	440
09377	5700	590
09378	52	690

Certified by

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0452-RJ1
DATE: 92/06/23
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
09251	.1	32	32	87	9	1	48	7
09252	.1	1	5	211	14	1	70	4
09253	.1	1	18	82	17	1	284	4
09254	.1	1	223	60	14	1	181	5
09255	.1	1	154	105	15	1	66	9
09256	.1	1	54	437	14	1	29	3
09257	.1	1	213	35	14	1	62	1
09258	.1	1	234	45	5	1	69	1
09259	.1	1	129	41	1	1	159	1
09260	.3	1	80	37	9	1	129	1
09261	.1	1	83	125	28	1	8461	1
09262	.1	1	82	93	9	1	180	3
09263	.1	522	37	72	4	1	62	50
09264	.1	1	54	297	4	1	56	1
09265	.1	1	63	357	2	1	56	1
09266	.1	1	93	339	3	1	54	1
09267	.1	50	92	41	4	1	24	1
09268	.1	1	94	41	4	1	28	1
09269	.1	2	79	68	6	1	53	20
09270	.2	1	180	37	15	1	45	2
09271	.1	1	138	30	18	1	63	1
09272	.1	1	73	215	131	1	98	9
09273	.3	1	90	71	21	1	60	1
09274	.1	3	22	8	2	1	13	4
09275	.1	1	8	2	3	1	4	3
09276	.1	1	37	51	1	1	36	1
09277	1.5	1	54	64	78	1	39	24
09278	.1	4	3	19	3	1	4	2
09279	.1	1	173	36	14	1	96	4
09280	.1	1	215	49	26	1	108	3
BLK	1.7	23	1	1	3	2	6	5

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0452-RJ2
DATE: 92/06/23
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
09281	.1	6	197	46	118	1	81	1
09282	.1	11	5	19	6	1	19	1
09283	.1	1	198	253	1141	1	11008	1
09284	.1	1	141	26	43	1	316	1
09376	.1	1	148	28	40	1	113	1
09377	.1	9	153	17	16	1	43	1
09378	.5	542	241	6	29	1	128	2

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0452-RL1
DATE: 92/06/23
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09251	13.51	.010	8.72	12.47	.77	7.56	.21	1.50	.09	50.95	.005	.83	2.10	1.18
09252	10.48	.005	9.69	10.01	.06	1.99	.27	.03	.21	59.34	.005	.44	6.30	4.80
09253	10.00	.005	7.72	6.93	.62	2.45	.16	.16	.17	68.27	.005	.47	2.40	1.79
09254	11.73	.025	2.08	8.27	1.95	2.15	.09	2.77	.11	67.47	.015	.45	1.70	1.57
09255	11.89	.045	.56	7.83	2.37	1.42	.03	2.08	.15	66.41	.010	.46	5.80	2.02
09256	5.57	.010	.88	19.19	.84	1.12	.02	.99	.31	57.75	.005	.22	12.30	11.80
09257	11.78	.040	1.43	5.11	1.81	1.67	.04	2.88	.06	71.86	.015	.40	2.00	.77
09258	11.86	.020	2.21	5.60	1.77	2.22	.06	2.66	.09	69.16	.020	.40	2.40	.95
09259	13.95	.020	7.69	13.18	1.55	5.95	.24	.38	.14	51.77	.005	1.02	3.20	.64
09260	13.65	.020	8.26	10.39	1.11	4.72	.21	2.00	.14	55.53	.010	1.18	1.80	.58
09261	11.33	.015	4.06	9.13	1.42	1.86	.05	1.68	.09	62.88	.015	.33	5.10	3.60
09262	13.07	.020	7.19	9.34	1.38	3.15	.13	.71	.16	58.78	.010	1.36	3.70	1.37
09263	1.60	.005	.55	5.21	.37	.60	.03	.01	.04	88.42	.005	.24	1.40	1.54
09264	13.27	.020	8.04	13.59	1.22	6.12	.23	1.25	.08	50.41	.005	.68	4.00	1.58
09265	13.06	.015	7.61	13.95	1.11	6.06	.22	1.34	.10	50.27	.005	.70	4.50	2.54
09266	13.17	.015	8.00	15.75	1.15	5.83	.21	1.18	.07	48.50	.005	.66	4.10	2.23
09267	13.68	.050	3.67	3.97	2.94	2.24	.02	2.17	.13	67.06	.010	.53	2.50	1.00
09268	13.10	.070	2.75	4.57	3.73	2.71	.02	1.60	.13	67.31	.010	.52	2.20	.77
09269	10.40	.035	.84	5.61	2.31	2.04	.04	.95	.09	73.00	.005	.37	3.40	1.34
09270	13.74	.090	1.97	3.78	4.07	1.54	.05	1.68	.05	69.67	.020	.45	2.00	.55
09271	10.77	.030	1.05	4.13	1.89	1.56	.07	2.08	.03	75.12	.015	.39	1.90	.41
09272	18.95	.025	10.10	10.40	1.84	2.97	.13	1.69	.35	47.81	.015	.70	4.30	3.30
09273	13.06	.045	6.87	9.41	1.48	3.01	.15	1.38	.16	58.18	.005	1.23	4.00	1.44
09274	18.16	.010	.12	5.91	.40	1.17	.01	8.88	.10	60.75	.010	.50	3.00	.98
09275	16.52	.005	.01	4.79	.12	.11	.01	9.49	.05	65.88	.005	.09	2.00	2.10
09276	15.07	.010	8.55	11.14	.39	6.50	.18	1.76	.09	51.86	.005	.85	2.70	.82
09277	12.51	.015	7.97	4.40	1.01	1.79	.09	.59	.14	64.30	.005	1.33	5.00	.52
09278	.09	.005	.01	.76	.01	.02	.01	.01	.02	97.45	.005	.04	.40	.03
09279	12.61	.025	2.82	4.68	2.12	2.23	.08	2.77	.14	68.96	.015	.48	2.40	.72
09280	13.30	.060	1.75	6.39	2.91	2.89	.10	2.31	.11	66.23	.015	.43	2.50	.79

COMP: MINNOVA INC.
PROJ: 675 CRANBROOK
ATTN: G.WELLS/C.BURGE

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0452-RL2
DATE: 92/06/23
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
09281	11.16	.015	2.72	6.09	1.73	2.39	.07	2.37	.13	69.06	.015	.43	2.60	1.52
09282	4.00	.005	4.46	3.09	.06	.17	.34	.13	.05	85.74	.005	.04	.50	.25
09283	9.50	.030	2.15	14.54	1.73	2.39	.13	1.59	.20	57.63	.010	.29	7.80	4.65
09284	10.18	.045	1.58	3.77	1.80	1.76	.04	1.50	.12	75.66	.015	.32	2.10	.28
09376	10.19	.045	.01	5.34	2.67	.72	.05	.23	.09	77.51	.005	.38	1.70	.07
09377	17.09	.045	.12	5.23	3.64	1.29	.12	.44	.09	68.21	.005	.56	2.30	.08
09378	12.88	.050	1.02	4.99	4.29	.75	.38	.08	.59	71.73	.005	.50	1.70	.06

MINERAL • ENVIRONMENTS LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
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Geochemical Analysis Certificate

2V-0451-RG1

Company: MINNOVA
Project: 675 CRANBROOK
Attn: COLIN BURGE/CARY WELLS

Date: JUN-23-92
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 17 ROCK samples submitted JUN-04-92 by C. BURGE.

Sample Number	B PPM	F PPM
92 TB 001	95	700
92 TB 002	30	530
92 TB 003	67	550
92 TB 004	239	830
92 TB 005	31	580
92 TB 006	96	850
92 TB 007	86	820
92 TB 008	61	790
92 TB 009	67	780
92 TB 010	43	540
92 TB 011	32	940
92 TB 012	6	870
92 TB 013	186	1080
92 TB 014	34	790
92 TB 015	16	550
92 TB 016	10	660
92 TB 017	41	730

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Ans'd .....

Certified by _____

COMP: MINNOVA
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/CARY WELLS

MIN-EN LABS — WHOLE ROCK ANALYSIS

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

FILE NO: 2V-0451-RL1
DATE: 92/06/23
* ROCK * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %	S %
92 TB 001	13.25	.065	.60	4.51	2.96	1.35	.03	1.86	.07	71.75	.010	.50	2.10	.08
92 TB 002	12.58	.065	3.01	6.92	3.40	.80	.07	1.90	.11	68.77	.010	.65	1.00	.06
92 TB 003	13.87	.080	3.50	6.37	3.73	.98	.08	2.74	.11	65.08	.005	.68	1.90	.04
92 TB 004	17.40	.105	.56	4.19	4.82	1.88	.05	1.21	.05	64.87	.010	.67	3.20	.07
92 TB 005	15.15	.050	4.05	2.96	1.77	1.11	.06	3.00	.06	69.08	.020	.54	1.30	.12
92 TB 006	15.12	.105	1.34	4.99	4.20	2.07	.07	1.10	.10	67.29	.010	.55	2.10	.07
92 TB 007	19.44	.110	.10	4.00	5.55	1.88	.05	.71	.04	62.55	.010	.74	3.80	.03
92 TB 008	15.90	.080	.77	3.74	3.92	1.85	.04	1.26	.08	68.18	.015	.56	2.60	.08
92 TB 009	14.81	.085	.22	3.74	3.52	1.00	.02	1.82	.06	70.66	.010	.50	2.50	.06
92 TB 010	15.19	.095	1.13	4.24	4.38	1.71	.04	2.06	.10	67.22	.010	.57	2.60	.06
92 TB 011	12.58	.050	1.37	3.39	2.58	1.50	.02	2.09	.08	72.52	.015	.43	2.20	.04
92 TB 012	12.72	.090	4.69	3.68	3.71	3.35	.06	1.40	.09	66.34	.010	.48	2.30	.03
92 TB 013	15.20	.100	1.70	4.67	3.74	2.46	.09	2.27	.12	66.17	.015	.55	2.10	.11
92 TB 014	15.23	.055	4.38	4.02	3.00	2.44	.14	1.67	.13	66.03	.010	.57	1.40	.05
92 TB 015	16.10	.030	1.94	3.88	2.31	1.50	.11	5.32	.14	65.90	.010	.58	1.50	.06
92 TB 016	13.29	.060	7.90	16.18	1.24	5.07	.44	3.08	.47	47.59	.015	2.27	1.50	.06
92 TB 017	14.99	.060	2.85	5.58	3.22	2.10	.07	2.09	.20	65.49	.015	.54	2.10	.14

COMP: MINNOVA
PROJ: 675 CRANBROOK
ATTN: COLIN BURGE/CARY WELLS

MIN-EN LABS — ICP REPORT

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

FILE NO: 2V-0451-RJ1
DATE: 92/06/23
* ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU-FIRE PPB
92 TB 001	.1	8	166	51	26	1	59	4
92 TB 002	.1	1	204	44	8	1	61	1
92 TB 003	.2	1	130	45	7	1	52	4
92 TB 004	.4	6	269	14	11	1	39	2
92 TB 005	.6	1	274	17	1	1	96	4
92 TB 006	.3	1	454	24	7	1	64	6
92 TB 007	.3	1	187	9	2	1	37	3
92 TB 008	.3	1	184	14	6	1	42	1
92 TB 009	.1	1	175	20	6	1	30	1
92 TB 010	.4	1	164	19	5	1	36	1
92 TB 011	.4	1	160	24	11	1	23	2
92 TB 012	.7	1	129	16	10	1	9	1
92 TB 013	.4	17	396	12	285	1	70	1
92 TB 014	.6	1	172	7	79	1	95	1
92 TB 015	1.6	1	117	14	335	1	64	1
92 TB 016	.8	1	198	37	4	1	67	6
92 TB 017	.3	1	347	18	7	1	53	3