MIN-EN LABORATORIES [redacted]

SPECIALISTS IN MINERAL ENVIRONME
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMIST

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

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

092P/08

821022

Assay Certificate

9V-1370-RA1

Company: MINNOVA INC.
Project: 244 CM
Attn: I.PIRIE/D.HEBERLEIN

Date: OCT-26-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 3 ROCK samples submitted OCT-18-89 by D.FELLER.

Sample Number	LOI %
BCD24876	7.10
BCD24880	4.45
BCD24884	4.60

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OCT 31 1989
Ans'd .....

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 244 CM
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1370-RJ2
DATE: OCT-26-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD24877	1.1	1	168	178	31	1	61	2
BCD24878	.7	37	91	252	10	1	102	10
BCD24879	.8	28	102	27	21	1	47	1
BCD24881	.6	32	588	7	21	1	23	1
BCD24882	.9	13	987	9	56	3	71	1
BCD24883	.9	40	141	49	24	1	48	2

OCT 31 1989
Ans'd .....

COMP: MINNOVA INC.
PROJ: 244 CM
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1370-RL1
DATE: OCT-26-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
BCD24876	14.67	.050	8.01	9.86	.21	5.97	.24	3.75	.30	47.17	1.54	.52	92.29
BCD24880	14.95	.365	7.24	11.12	.65	6.10	.20	3.32	.29	48.42	1.77	.28	94.71
BCD24884	15.49	.015	8.71	10.19	.01	6.46	.19	3.79	.32	47.98	1.55	.02	94.72

OCT 31 1989
Ans'd .....

COMP: MINNOVA INC.
PROJ: 244 CM
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1370-RL1
DATE: OCT-26-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
BCD24876	14.67	.050	8.01	9.86	.21	5.97	.24	3.75	.30	47.17	1.54	.52	92.29
BCD24880	14.95	.365	7.24	11.12	.65	6.10	.20	3.32	.29	48.42	1.77	.28	94.71
BCD24884	15.49	.015	8.71	10.19	.01	6.46	.19	3.79	.32	47.98	1.55	.02	94.72

OCT 31 1989

MIN-EN LABORATORIES [redacted].

SPECIALISTS IN MINERAL ENVIRONMENTS
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VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

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

Assay Certificate

9V-1303-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN.244
Attn: I.PIRIE/D.HEBERLEIN

Date: OCT-17-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 6 ROCK samples submitted OCT-07-89 by SHERI NOBLE.

Sample Number	LOI %
BCD24851	5.65
BCD24856	6.85
BCD24861	7.40
BCD24867	4.50
BCD24870	11.70
BCD24871	6.80

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Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1303-RJ1
DATE: OCT-17-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD24851	2.3	59	30	75	60	1	92	5
BCD24856	2.4	56	37	173	39	2	103	5
BCD24861	2.6	62	30	17	46	3	78	5
BCD24867	2.8	48	23	41	34	1	82	10
BCD24870	2.0	67	66	15	46	2	85	5
BCD24871	3.0	69	630	30	45	1	87	5
BCD24852	.8	40	96	323	20	1	52	2
BCD24853	2.2	65	47	164	36	3	109	1
BCD24854	2.7	55	40	80	43	6	101	1
BCD24855	1.1	32	37	72	25	1	104	3
BCD24857	3.1	79	36	30	40	3	74	1
BCD24858	2.3	49	25	29	33	1	64	52
BCD24859	1.1	28	12	34	11	1	48	2
BCD24860	1.6	52	128	115	25	3	137	1
BCD24862	1.7	56	13	11	34	1	38	3
BCD24863	2.6	43	24	57	37	1	76	1
BCD24864	1.3	41	62	98	20	1	66	3
BCD24865	1.1	37	143	46	15	1	80	4
BCD24866	1.8	42	66	96	33	1	86	1
BCD24868	.8	29	48	9	23	1	25	2
BCD24869	2.0	48	239	92	28	2	297	1
BCD24872	1.5	42	235	66	20	1	169	3

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OCT 19 1989

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1303-RL1
DATE: OCT-17-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
BCD24851	14.76	.045	8.82	9.46	.36	6.58	.16	3.45	.29	47.86	1.42	.04	93.26
BCD24856	12.46	.065	7.01	7.89	1.06	5.51	.14	2.36	.25	54.16	1.14	.05	92.09
BCD24861	14.37	.050	9.11	9.31	.60	6.77	.19	3.08	.31	46.76	1.39	.04	91.96
BCD24867	14.97	.030	9.50	9.72	.18	7.00	.18	3.34	.31	47.74	1.50	.01	94.49
BCD24870	13.44	.025	10.12	9.57	.01	6.29	.23	2.92	.31	43.05	1.36	.02	87.35
BCD24871	15.58	.125	8.02	10.02	.15	5.62	.17	3.45	.27	47.44	1.58	.09	92.53

MIN-EN LABORATORIES [redacted].

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

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

Assay Certificate

9V-1277-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN.244
Attn: I.PIRIE/D.HEBERLEIN

Date: OCT-14-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 4 ROCK samples submitted OCT-05-89 by D.FELLER.

Sample Number	LOI %
BCD7611	4.30
BCD7623	2.45
BCD7624	3.70
BCD7680	3.15

RECEIVED
OCT 20 1989
Ans'd .....

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1277-RJ1
DATE: OCT-14-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD 7609	1.3	11	19	71	179	2	164	53
BCD 7610	1.8	1	54	309	41	1	373	17
BCD 7612	.5	5	35	25	43	1	87	43
BCD 7613	2.0	1	101	256	43	1	116	2
BCD 7614	1.8	33	62	359	35	1	162	16
BCD 7615	1.9	25	91	199	39	1	202	4
BCD 7616	1.6	30	97	1983	31	1	89	4
BCD 7617	1.1	19	60	788	41	2	75	2
BCD 7618	1.1	14	98	884	35	1	87	6
BCD 7619	1.7	7	90	1262	56	1	269	22
BCD 7620	1.8	10	212	213	47	1	186	18
BCD 7621	1.8	18	166	256	41	1	248	4
BCD 7622	1.3	1	112	93	22	1	70	1
BCD 7625	1.6	1	37	110	45	1	134	1
BCD 7676	2.0	3	30	94	41	1	122	2
BCD 7677	2.4	1	27	467	44	2	99	3
BCD 7678	2.2	1	17	89	41	1	105	1
BCD 7679	2.0	16	43	208	60	1	143	25

OCT 20 1989
Ans'd .....

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1277-RJ2
DATE: OCT-14-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD 7611	2.5	1	34	36	41	2	104	10
BCD 7623	2.6	1	34	36	35	2	103	5
BCD 7624	2.2	1	23	70	30	1	89	10
BCD 7680	2.0	1	22	59	27	1	71	5

OCT 20 1989
Ans'd .....

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1277-RL2
DATE: OCT-14-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
BCD 7611	15.26	.030	9.93	9.58	.32	6.74	.19	2.84	.32	47.90	1.45	.02	94.59
BCD 7623	8.66	.065	2.66	3.23	1.68	1.17	.14	.50	.10	77.89	.39	.01	96.49
BCD 7624	17.04	.030	9.61	10.61	.33	4.97	.20	3.25	.31	47.67	1.61	.03	95.66
BCD 7680	15.67	.045	9.07	9.93	.23	6.92	.31	3.14	.32	48.66	1.49	.05	95.85

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Ans'd

MIN-EN LABORATORIES [redacted].

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

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

Assay Certificate

9V-1263-RA1

Company: MINNOVA INC.
Project: CM 244
Attn: I.PIRIE/D.HEBERLEIN

Date: OCT-12-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 8 ROCK samples submitted OCT-03-89 by D.FELLER.

Sample Number	LOI %
BCD7591	6.70
BCD7597	5.70
BCD7598	2.00
BCD7599	5.20
BCD7600	7.50
BCD7602	6.30
BCD7603	4.40
BCD7604	3.30

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OCT 17 1989
Ans'd .....

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1263-RL1
DATE: OCT-12-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
BCD7591	14.68	.045	8.28	9.62	.45	6.16	.20	3.53	.30	47.43	1.42	.03	92.16
BCD7597	14.68	.060	9.73	9.54	.82	6.45	.21	3.11	.37	46.72	1.49	.04	93.22
BCD7598	9.53	.120	3.10	3.42	.42	2.12	.05	2.43	.15	75.60	.38	.08	97.39
BCD7599	15.12	.030	9.42	9.32	.22	6.70	.17	3.69	.35	47.28	1.47	.02	93.79
BCD7600	15.59	.150	7.76	9.25	2.35	5.71	.24	2.53	.30	46.03	1.61	.55	92.07
BCD7602	15.88	.060	9.25	9.72	.56	6.64	.20	2.93	.33	45.70	1.65	.03	92.95
BCD7603	14.63	.030	8.94	9.51	.44	6.87	.18	3.38	.32	48.86	1.47	.01	94.63
BCD7604	9.05	.090	1.47	4.63	2.06	2.62	.10	.98	.11	74.08	.48	.04	95.69

OCT 17 1989
Ans'd

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1263-RJ1
DATE: OCT-12-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD7591	2.9	1	26	46	158	1	77	5
BCD7597	2.5	1	31	67	47	1	68	5
BCD7598	1.3	8	287	212	54	1	25	5
BCD7599	2.7	1	16	39	47	1	59	5
BCD7600	3.2	1	51	54	57	8	75	5
BCD7602	3.4	1	49	52	54	1	76	10
BCD7603	2.9	1	24	38	45	1	63	5
BCD7604	1.1	7	69	105	43	3	120	5

OCT 17 1989
Ass'd

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1263-RJ2
DATE: OCT-12-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD7592	.8	10	193	111	25	1	133	1
BCD7593	.8	1	93	77	47	1	472	2
BCD7594	.8	1	91	75	40	1	306	2
BCD7595	1.0	2	46	68	33	1	74	3
BCD7596	1.3	17	24	40	50	3	55	2
BCD7601	1.1	7	95	132	28	13	209	1
BCD7605	2.3	1	10	57	45	1	75	2
BCD7606	2.4	1	9	64	45	1	76	1
BCD7607	2.5	1	12	63	31	1	68	2
BCD7608	2.3	1	23	62	41	1	80	2

OCT 17 1989
Ans'd

MIN-EN LABORATORIES [redacted]

SPECIALISTS IN MINERAL ENVIRONMENTS
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VANCOUVER OFFICE:
705 WEST 15TH STREET
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

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

Assay Certificate

9V-1140-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN.244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-22-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 8 ROCK samples submitted SEP-16-89 by D.FELLER.

Sample Number	LOI %
9TCML336	3.10
9TCML337	3.05
9TCML338	1.65
9TCML339	3.30
9TCML340	2.50
9TCML341	.95
9TCML342	5.40
9TCML343	3.80

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Ans'd .....

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1140-RJ1
DATE: SEP-22-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML336	2.1	1	35	67	32	1	77	5
9TCML337	2.3	5	16	20	30	1	67	5
9TCML338	.7	26	236	19	10	1	24	5
9TCML339	2.2	1	31	27	31	1	48	5
9TCML340	2.3	11	75	27	29	1	70	5
9TCML341	.8	12	35	7	10	2	13	5
9TCML342	2.6	1	61	11	40	1	63	5
9TCML343	2.0	1	31	10	38	1	68	5

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Ans'd .....

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1140-RL1
DATE: SEP-22-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML336	16.01	.075	7.84	10.33	.41	6.23	.21	4.06	.29	48.69	1.64	.04	95.82
9TCML337	14.70	.020	7.50	11.37	.09	6.15	.22	4.44	.30	49.24	1.84	.02	95.88
9TCML338	3.21	.080	4.55	1.72	.01	1.06	.05	.02	.15	86.64	.15	.03	97.67
9TCML339	14.61	.025	7.21	10.71	.09	7.04	.23	3.90	.31	49.92	1.62	.01	95.68
9TCML340	15.08	.175	7.50	11.22	.84	5.99	.23	3.83	.30	49.52	1.84	.13	96.65
9TCML341	14.79	.020	1.00	1.89	.01	.92	.03	7.50	.06	71.67	.43	.01	98.32
9TCML342	16.01	.120	8.28	11.95	.43	6.89	.25	2.36	.33	45.35	1.66	.09	93.72
9TCML343	14.91	.035	8.09	10.42	.19	7.72	.21	3.78	.31	47.94	1.53	.02	95.16

MIN-EN LABORATORIES [redacted].

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

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

Assay Certificate

9V-1101-RA1

Company: MINNOVA INC.
Project: CHINOOK MT. 244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-19-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 9 ROCK samples submitted SEP-11-89 by S.NOBLE.

Sample Number	LOI %
9TCML321	5.70
9TCML322	3.05
9TCML323	3.40
9TCML324	1.90
9TCML325	3.70
9TCML326	4.80
9TCML327	2.55
9TCML328	3.50
9TCML329	3.00

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Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1101-RJ1
DATE: SEP-19-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML321	2.7	1	20	9	34	1	81	5
9TCML322	.6	40	166	448	16	3	88	60
9TCML323	2.8	1	27	42	32	1	78	5
9TCML324	2.7	1	41	31	23	1	75	5
9TCML325	2.7	1	22	38	27	1	76	5
9TCML326	3.0	1	50	64	31	1	98	5
9TCML327	.4	13	286	204	11	1	29	5
9TCML328	.7	28	336	125	25	1	244	5
9TCML329	2.8	1	51	79	37	1	177	5

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1101-RL1
DATE: SEP-19-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML321	14.93	.010	8.26	10.29	.01	7.36	.19	2.91	.32	47.40	1.49	.02	93.20
9TCML322	6.75	.125	.43	5.08	1.10	1.69	.05	.38	.09	79.67	.43	.36	96.16
9TCML323	15.72	.030	8.48	10.20	.31	7.02	.19	3.93	.32	48.19	1.50	.02	95.90
9TCML324	15.81	.035	9.34	10.20	.45	7.08	.17	2.96	.34	49.12	1.53	.01	97.06
9TCML325	15.12	.030	9.81	10.21	.27	6.73	.19	3.40	.35	47.69	1.49	.01	95.30
9TCML326	15.95	.035	8.13	10.35	.47	6.87	.19	3.17	.30	47.34	1.57	.01	94.38
9TCML327	6.57	.175	.45	4.70	.82	1.51	.12	.91	.08	80.78	.39	.67	97.16
9TCML328	9.09	.220	.26	4.86	2.08	1.70	.09	.66	.07	75.88	.47	.22	95.62
9TCML329	15.43	.040	8.76	10.60	.14	6.94	.19	3.26	.32	48.87	1.45	.01	96.03

MIN-EN LABORATORIES [redacted]

SPECIALISTS IN MINERAL ENVIRONMENTS
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VANCOUVER OFFICE:
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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

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

Assay Certificate

9V-1100-RA2

Company: MINNOVA INC.
Project: CHINOOK MTN.
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-17-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 4 ROCK samples submitted SEP-11-89 by D.FELLER.

Sample Number	LOI %
9TCML330	11.20
9TCML332	6.30
9TCML334	8.50
9TCML335	5.05

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MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted]

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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

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

Geochemical Analysis Certificate

9V-1100-RG2

Company: MINNOVA INC.
Project: CHINOOK MTN.
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-16-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 3 ROCK samples submitted SEP-11-89 by D.FELLER.

Sample Number	AS PPM	HG PPB
9TCMA331	620	2750
9TCMA333	550	1750
9TCML334	350	330

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MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted]

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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

Assay Certificate

9V-1100-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN.
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-16-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 3 ROCK samples submitted SEP-11-89 by D.FELLER.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
9TCMA331	10.700	.05	.40	24.0	.70	.89	.026
9TCMA333	13.800	.06	.88	39.8	1.16	2.96	.086
9TCML334	3.910	.02	.10	13.7	.40	.83	.024

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MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MTN.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1100-RJ1
DATE: SEP-17-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML330	.3	159	245	6454	43	4	503	5
9TCML332	.9	97	4706	3787	61	2	313	35
9TCML334	13.2	266	134	32165	127	56	713	760
9TCML335	.9	38	8464	3501	87	1	280	5

COMP: MINNOVA INC.
PROJ: CHINOOK MTN 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1100-RL1
DATE: SEP-18-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML330	12.32	.175	.73	14.24	.97	4.19	.10	.22	.16	52.33	1.40	.12	86.96
9TCML332	8.15	1.640	.86	9.54	.02	3.64	.13	.03	.16	67.37	.52	.98	93.04
9TCML334	3.28	.030	.50	19.29	.01	1.68	.09	.03	.16	60.70	.16	7.25	93.17
9TCML335	8.12	2.580	1.11	8.30	.40	3.24	.17	.04	.15	68.90	.44	1.63	95.10

MIN-EN LABORATORIES [redacted]

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

Assay Certificate

9V-1028-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN.244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-09-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-30-89 by S.NOBLE.

Sample Number	LOI %
9TCML291	2.30
9TCML292	2.10
9TCML293	2.05
9TCML294	2.20
9TCML295	1.60
9TCML296	2.30
9TCML297	1.90
9TCML298	1.50
9TCML299	1.90
9TCML300	3.30
9TCML301	1.50
9TCML302	2.70
9TCML303	2.60
9TCML304	2.25
9TCML305	2.10
9TCML306	4.00
9TCML307	2.90
9TCML308	2.90
9TCML309	2.60
9TCML310	3.00
9TCML311	2.50
9TCML312	3.30
9TCML313	2.60
9TCML314	2.00
9TCML315	2.60
9TCML316	3.80
9TCML317	3.10
9TCML318	2.70
9TCML319	4.50
9TCML320	4.70

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MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted]

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

Assay Certificate

9V-1028-RA2

Company: MINNOVA INC.
Project: CHINOOK MTN 244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-10-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 2 ROCK samples submitted AUG-30-89 by S.NOBLE.

Sample Number	LOI %
9TCML321	6.80
9TCML322	5.20

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MTN 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1028-RJ1+2
DATE: SEP-10-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML291	1.7	7	11	72	42	2	75	10
9TCML292	1.5	5	25	68	30	1	57	5
9TCML293	1.9	11	18	39	25	1	53	5
9TCML294	2.1	25	12	43	32	1	65	5
9TCML295	1.7	22	20	52	16	1	37	10
9TCML296	1.8	7	7	45	15	1	52	5
9TCML297	1.7	14	29	46	20	1	55	10
9TCML298	1.7	15	14	51	17	1	42	5
9TCML299	1.8	11	15	50	32	1	53	30
9TCML300	2.1	1	33	66	27	1	69	5
9TCML301	2.1	6	14	61	26	1	46	10
9TCML302	1.9	14	146	57	24	1	48	5
9TCML303	2.0	15	33	56	25	1	57	10
9TCML304	2.1	1	20	53	27	1	68	5
9TCML305	1.9	4	18	60	30	2	54	5
9TCML306	2.0	8	10	59	39	3	80	5
9TCML307	2.1	8	8	65	20	1	61	5
9TCML308	2.1	3	11	58	35	2	65	5
9TCML309	1.8	13	12	59	33	1	52	5
9TCML310	2.0	5	8	69	35	2	60	5
9TCML311	2.1	12	16	57	25	1	62	10
9TCML312	2.1	14	9	47	29	1	60	5
9TCML313	2.1	11	19	51	29	1	87	5
9TCML314	2.2	6	10	22	26	1	58	5
9TCML315	2.1	3	28	53	32	1	73	5
9TCML316	.5	2	767	41	19	1	126	10
9TCML317	2.3	2	22	39	39	2	80	5
9TCML318	1.9	17	14	60	35	1	75	5
9TCML319	.8	6	509	167	26	1	516	5
9TCML320	.9	7	103	390	55	11	259	5
9TCML321	8.2	86	40	277	46	5	117	40
9TCML322	2.0	1	108	34	43	1	100	10

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COMP: MINNOVA INC.
PROJ: CHINOOK MTN 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1028-RL1+2
DATE: SEP-10-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML291	16.12	.005	10.45	9.39	.01	7.17	.19	2.62	.35	48.86	1.29	.02	96.46
9TCML292	16.46	.005	9.30	9.27	.01	7.15	.17	3.94	.31	48.73	1.33	.06	96.73
9TCML293	14.99	.005	12.33	10.76	.01	6.82	.22	1.52	.35	48.53	1.65	.02	97.19
9TCML294	15.43	.005	11.28	11.08	.01	7.24	.21	1.79	.34	47.68	1.64	.02	96.71
9TCML295	14.25	.005	10.90	10.53	.01	6.37	.22	3.07	.34	50.16	1.49	.03	97.37
9TCML296	14.68	.005	13.35	10.64	.01	6.82	.20	1.14	.37	48.03	1.62	.01	96.86
9TCML297	14.37	.005	9.83	10.26	.01	6.55	.23	2.26	.33	51.61	1.51	.02	96.99
9TCML298	15.60	.005	11.30	11.19	.01	6.96	.21	3.02	.35	47.06	1.67	.02	97.38
9TCML299	14.82	.005	9.70	10.70	.01	6.83	.21	2.57	.34	50.26	1.66	.01	97.10
9TCML300	15.03	.005	10.47	11.33	.18	7.39	.21	1.41	.35	47.65	1.65	.03	95.70
9TCML301	15.23	.005	9.07	11.20	.11	7.31	.20	3.44	.32	48.79	1.68	.02	97.38
9TCML302	16.44	.035	10.24	9.33	.01	6.48	.18	3.22	.33	48.81	1.29	.03	96.37
9TCML303	15.00	.005	12.38	11.05	.01	6.99	.22	1.28	.36	47.32	1.64	.01	96.24
9TCML304	16.05	.005	10.38	12.15	.01	7.88	.22	2.30	.36	45.82	1.81	.02	96.99
9TCML305	15.33	.005	7.54	10.49	.01	7.64	.18	4.47	.32	49.01	1.74	.09	96.81
9TCML306	15.67	.005	6.94	9.36	.01	7.38	.18	4.93	.27	48.94	1.28	.03	94.99
9TCML307	14.96	.005	13.37	11.19	.01	6.96	.21	.47	.40	47.16	1.63	.01	96.36
9TCML308	15.12	.005	8.04	10.87	.01	7.13	.20	4.42	.32	48.35	1.66	.04	96.14
9TCML309	15.26	.005	9.77	9.99	.01	7.50	.19	3.53	.33	48.72	1.31	.02	96.61
9TCML310	14.90	.005	10.22	10.84	.01	7.05	.21	2.84	.34	47.97	1.58	.02	95.98
9TCML311	15.04	.005	7.92	10.73	.01	7.07	.19	4.58	.32	49.12	1.68	.04	96.70
9TCML312	14.03	.005	11.84	10.31	.01	6.64	.21	1.20	.34	49.81	1.54	.03	95.95
9TCML313	15.07	.010	10.35	10.99	.49	7.21	.20	1.55	.35	48.68	1.67	.03	96.60
9TCML314	13.27	.005	13.34	11.61	.01	7.19	.23	.87	.39	48.39	1.69	.02	97.01
9TCML315	14.37	.015	10.98	11.29	.05	7.35	.23	1.47	.36	48.48	1.69	.03	96.31
9TCML316	11.39	.435	1.13	3.41	3.15	2.51	.11	1.25	.11	71.19	.49	.53	95.71
9TCML317	14.10	.010	11.51	11.99	.01	7.85	.23	1.27	.38	46.86	1.71	.01	95.91
9TCML318	15.82	.005	10.96	10.25	.01	7.12	.19	2.80	.35	47.37	1.31	.02	96.18
9TCML319	9.55	.305	1.21	3.88	2.55	2.79	.20	.36	.11	73.22	.48	.63	95.29
9TCML320	7.97	.040	.74	11.47	.01	3.21	.22	.24	.15	69.74	.44	1.84	96.07
9TCML321	1.59	.010	.10	13.76	.01	.65	.04	.05	.13	75.20	.52	.68	92.75
9TCML322	14.89	.030	7.75	10.48	.01	8.11	.19	3.46	.32	46.97	1.44	.02	93.66

MIN-EN LABORATORIES [redacted]

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

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

Geochemical Analysis Certificate

9V-1026-RG1

Company: MINNOVA INC.
Project: CHINOOK MT. 244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-09-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 1 ROCK samples submitted AUG-30-89 by D.FELLER.

Sample Number	HG PPB
9TCMA290	190

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MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted]

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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

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

Assay Certificate

9V-1026-RA1

Company: MINNOVA INC.
Project: CHINOOK MT. 244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-09-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 1 ROCK samples submitted AUG-30-89 by D.FELLER.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	FE %
9TCMA290	1.210	.02	.01	2.8	.08	.04	.001	38.40

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SEP 13 1989
Ans'd

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MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted]

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

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

Assay Certificate

9V-1026-RA2

Company: MINNOVA INC.
Project: CHINOOK MT. 244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-09-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 11 ROCK samples submitted AUG-30-89 by D.FELLER.

Sample Number	LOI %
9TCML279	.75
9TCML280	4.20
9TCML281	3.30
9TCML282	3.50
9TCML283	3.50
9TCML284	2.40
9TCML285	1.60
9TCML286	3.00
9TCML287	3.40
9TCML288	3.80
9TCML289	4.80

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Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1026-RJ1
DATE: SEP-08-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML279	.2	17	26	4	9	1	14	10
9TCML280	1.4	1	21	49	23	1	61	5
9TCML281	1.4	1	24	11	31	1	72	5
9TCML282	1.9	1	32	21	29	1	57	5
9TCML283	2.3	1	50	52	30	1	75	5
9TCML284	1.2	1	49	72	22	1	49	5
9TCML285	.5	1	37	115	24	1	61	5
9TCML286	1.4	1	14	68	24	1	62	5
9TCML287	1.6	1	35	54	26	1	64	5
9TCML288	1.4	1	19	8	35	1	60	10
9TCML289	2.1	1	14	68	33	1	76	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1026-RL1
DATE: SEP-08-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML279	7.59	.020	.44	1.34	.01	.89	.02	3.31	.06	84.12	.34	.07	98.18
9TCML280	16.85	.010	11.13	8.91	.01	6.72	.16	2.95	.32	46.45	1.17	.08	94.76
9TCML281	15.79	.010	9.63	9.71	.01	6.99	.18	3.63	.30	48.37	1.36	.06	96.05
9TCML282	15.04	.010	11.46	9.56	.01	7.15	.17	2.93	.33	47.42	1.39	.04	95.50
9TCML283	15.33	.020	9.49	9.91	.07	7.47	.18	2.89	.33	48.32	1.46	.01	95.48
9TCML284	11.73	.040	3.83	5.66	.42	3.13	.12	2.95	.15	68.10	.69	.12	96.93
9TCML285	6.86	.025	2.20	6.72	.37	1.33	.50	.94	.13	78.03	.32	.06	97.49
9TCML286	15.04	.005	10.27	9.51	.01	6.37	.18	3.77	.32	49.06	1.42	.04	95.96
9TCML287	15.97	.045	9.76	9.69	.13	6.59	.17	3.41	.31	48.11	1.44	.03	95.66
9TCML288	15.32	.010	8.65	9.74	.14	7.04	.18	3.94	.30	48.45	1.50	.02	95.29
9TCML289	15.62	.010	8.30	10.45	.01	5.99	.18	4.10	.30	47.52	1.62	.02	94.12

MIN-EN LABORATORIES [redacted]

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

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

Assay Certificate

9V-1009-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN. 244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-08-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 26 ROCK samples submitted AUG-28-89 by D.FELLER.

Sample Number	LOI %
9TCML243	3.80
9TCML244	2.70
9TCML245	4.50
9TCML246	3.55
9TCML247	3.40
9TCML248	3.10
9TCML249	3.40
9TCML250	5.70
9TCML251	2.65
9TCML252	3.00
9TCML253	2.90
9TCML254	3.70
9TCML255	7.30
9TCML256	2.40
9TCML257	3.00
9TCML258	3.40
9TCML259	3.60
9TCML270	3.10
9TCML271	2.10
9TCML272	2.20
9TCML273	3.60
9TCML274	3.70
9TCML275	2.30
9TCML276	1.80
9TCML277	3.30
9TCML278	3.40

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-SJ1+2
DATE: SEP-11-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9DCMS076	.9	1	30	25	1	72	5	55
9DCMS077	1.1	1	75	24	2	55	5	15
9DCMS078	1.8	1	26	21	3	68	10	5
9DCMS079	1.6	1	25	19	2	51	5	5
9DCMS080	1.9	12	43	25	5	36	5	5
9DCMS081	1.8	41	41	18	8	15	5	20
9DCMS082	1.0	1	14	10	1	33	5	5
9DCMS083	1.0	1	23	13	1	67	5	5
9DCMS084	2.1	1	40	17	3	49	5	5
9DCMS085	1.0	1	11	10	1	63	5	10
9DCMS086	1.0	1	41	13	1	80	5	5
9DCMS087	.4	1	10	5	1	84	5	10
9DCMS088	1.0	1	18	9	1	84	5	5
9DCMS089	.6	1	17	5	1	91	5	5
9DCMS090	1.2	1	24	12	1	97	5	5
9DCMS091	1.0	1	20	15	1	77	5	5
9DCMS092	.8	9	17	9	1	96	5	5
9DCMS093	.9	1	17	8	1	77	5	10
9DCMS094	.6	1	12	4	1	82	5	5
9DCMS095	.8	1	23	12	1	69	5	5
9DCMS096	2.1	1	23	19	1	67	5	10
9DCMS097	2.0	1	39	18	3	64	5	5
9DCMS098	1.5	1	50	17	1	97	5	25
9DCMS099	1.2	1	49	22	1	101	5	20
9DCMS100	1.2	1	72	19	1	99	5	15
9DCMS101	1.5	1	15	15	1	62	5	5
9DCMS102	1.8	2	26	23	3	52	5	5
9DCMS103	.8	1	10	9	1	108	5	5
9DCMS104	1.7	1	30	19	1	46	5	5
9DCMS105	1.0	1	16	15	1	89	5	5
9DCMS106	.8	1	14	15	1	99	5	15
9DCMS107	1.1	1	42	17	1	136	5	60
9DCMS108	1.3	12	68	22	4	112	40	20
9DCMS109	1.7	11	13	19	2	60	5	5
9DCMS110	1.3	3	27	19	1	97	5	25
9DCMS111	1.1	1	15	15	1	111	5	5
9DCMS112	1.6	5	17	17	1	86	5	5
9DCMS113	1.7	7	13	10	1	70	5	15
9DCMS114	1.7	1	14	9	2	65	5	5
9DCMS115	1.8	9	24	23	3	63	5	25
9DCMS116	1.5	4	15	22	2	62	5	10
9DCMS200	1.2	1	17	13	1	121	5	15
9DCMS201	.9	1	14	14	1	119	5	50
9DCMS202	1.5	1	45	13	1	128	5	5
9DCMS203	1.2	1	26	19	1	157	5	30
9DCMS204	.8	1	15	13	1	112	5	5
9DCMS205	1.1	1	45	12	1	116	5	20
9DCMS206	1.4	2	18	21	1	107	5	15
9DCMS207	1.6	1	23	19	3	86	5	20
9DCMS208	.9	1	16	7	1	100	5	10
9DCMS209	1.9	7	25	18	1	70	5	15
9DCMS210	1.2	1	11	10	1	98	5	10
9DCMS211	1.5	1	15	12	1	148	5	10
9DCMS212	.5	3	9	6	1	125	5	5
9DCMS213	.7	1	12	6	1	100	5	5
9DCMS214	1.1	1	62	9	1	101	5	15
9DCMS215	.4	1	8	3	1	70	5	5
9DCMS216	1.1	1	16	14	1	142	5	10
9DCMS217	.8	3	9	9	1	94	5	5
9DCMS218	1.0	1	13	13	1	64	5	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-SJ3+4
DATE: SEP-11-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9DCMS219	.7	3	16	13	1	93	5	15
9DCMS220	1.1	13	36	16	2	58	5	10
9DCMS221	1.3	1	20	14	1	41	5	5
9DCMS222	1.3	5	48	26	4	89	5	5
9DCMS223	1.6	15	575	19	5	159	5	10
9DCMS224	.2	1	20	10	1	135	5	5
9DCMS225	.9	3	17	16	2	55	5	5
9DCMS226	1.1	13	24	20	3	52	5	15
9DCMS227	1.4	5	25	22	1	73	10	10
9DCMS228	.6	1	18	16	1	81	5	5
9DCMS229	.7	5	22	24	1	48	5	5
9DCMS230	1.8	5	31	16	2	44	10	10
9DCMS231	1.4	5	22	21	1	55	5	15
9DCMS232	1.7	15	55	25	3	46	5	10
9DCMS233	1.5	8	50	31	2	91	5	15
9DCMS234	1.5	7	26	21	2	66	5	5
9DCMS235	1.3	1	25	16	2	77	5	5
9DCMS236	1.4	5	17	18	2	42	5	5
9DCMS237	1.6	8	20	16	2	50	10	5
9DCMS238	1.3	4	26	14	1	78	5	5
9DCMS239	1.4	11	31	13	1	69	5	5
9DCMS240	1.1	7	18	18	1	66	5	5
9DCMS241	1.1	1	45	16	1	71	5	5
9DCMS242	1.4	8	44	25	1	71	5	5
9DCMS243	1.6	6	36	27	1	92	5	20
9DCMS244	1.4	7	25	20	1	84	5	10
9DCMS245	2.2	14	54	22	2	78	5	25
9DCMS246	1.2	14	23	21	1	54	5	5
9DCMS247	1.6	7	29	20	2	58	5	5
9DCMS248	.9	1	14	9	1	86	5	5
9DCMS249	1.6	11	20	12	1	53	10	10
9DCMS250	.6	1	10	10	1	63	5	25
9DCMS251	1.4	1	97	21	2	60	5	45
9DCMS252	1.5	7	43	20	1	44	5	15
9DCMS253	1.3	1	27	10	1	60	5	5
9DCMS254	5.0	518	15199	512	57	748	80	260
9DCMS255	1.3	8	1310	16	3	1131	5	40
9DCMS256	1.3	2	83	16	1	92	10	35
9DCMS257	1.1	9	24	14	1	84	5	5
9DCMS258	.9	7	19	12	1	55	10	20
9DCMS259	.8	1	11	11	1	103	5	15
9DCMS260	.4	7	9	2	1	37	30	10
9DCMS261	.6	1	12	6	1	59	5	25
9DCMS262	.5	1	14	1	1	49	5	5
9DCMS264	1.0	5	17	11	1	57	10	5
9DCMS276	1.4	1	22	17	1	107	10	5
9DCMS277	1.2	13	38	14	2	37	5	10
9DCMS280	1.9	3	36	21	1	85	5	5
9DCMS281	1.2	1	20	14	1	112	5	5
9DCMS282	.9	1	18	7	1	100	10	30
9DCMS283	1.5	1	27	11	1	97	5	5
9DCMS284	1.1	4	30	11	1	73	5	35
9DCMS285	1.3	1	34	17	1	91	5	25
9DCMS286	1.0	9	22	18	1	119	10	20
9DCMS287	1.0	1	21	12	1	120	5	30
9DCMS288	.8	1	22	11	1	98	5	20
9DCMS289	.6	1	15	14	1	70	10	55
9DCMS290	.8	1	20	8	1	90	5	25
9DCMS291	.9	1	24	12	1	72	5	45
9DCMS292	1.6	13	34	24	3	76	10	85

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-SJ5+6
DATE: SEP-11-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9DCMS293	.7	4	20	11	1	95	5	65
9DCMS294	.5	1	16	11	1	108	10	25
9DCMS295	.8	1	23	16	1	111	5	10
9DCMS296	1.3	1	83	15	1	107	5	20
9DCMS297	.7	1	20	4	1	68	5	15
9DCMS298	.8	1	13	8	1	45	5	5
9DCMS299	1.0	1	17	15	1	92	10	25
9DCMS300	1.4	2	19	14	1	74	5	15
9DCMS301	1.2	1	30	16	1	76	5	5
9DCMS302	1.4	1	24	11	1	55	10	5
9DCMS303	1.7	7	64	23	3	64	5	15
9DCMS304	1.7	26	68	25	3	60	5	5
9DCMS305	1.0	1	22	10	1	70	5	5
9DCMS306	1.5	7	34	24	1	66	5	25
9LCMS100	1.3	1	17	13	1	81	5	5
9LCMS101	.7	2	19	8	1	129	5	15
9LCMS102	1.3	1	15	13	1	115	5	5
9LCMS103	1.1	3	17	11	1	120	5	25
9LCMS104	.9	3	20	13	1	115	40	15
9LCMS105	2.2	5	24	21	1	96	10	5
9LCMS106	1.0	1	17	5	1	98	5	5
9LCMS107	1.5	1	32	20	1	93	20	15
9LCMS108	.5	1	17	10	1	138	10	25
9LCMS109	.9	1	26	12	1	142	5	5
9LCMS110	1.0	1	62	22	1	172	5	10
9LCMS111	.7	1	24	17	1	185	5	20
9LCMS112	.8	1	23	12	1	123	5	5
9LCMS113	1.1	1	26	14	1	121	5	10
9LCMS114	1.4	12	27	11	1	120	10	5
9LCMS115	.9	1	26	10	1	127	10	15
9LCMS116	.6	1	15	10	1	102	5	15
9LCMS117	.9	1	26	17	1	106	5	10
9LCMS118	.7	1	21	15	1	100	5	25
9LCMS119	1.5	1	19	17	1	94	5	5
9LCMS120	1.0	4	12	15	1	101	5	5
9LCMS121	.7	1	12	13	1	58	5	5
9LCMS122	1.4	1	23	20	1	53	5	5
9LCMS123	.7	1	15	9	1	54	5	5
9LCMS124	.9	1	15	9	1	85	5	10
9LCMS125	.7	1	12	11	1	67	5	10
9LCMS126	1.0	1	18	17	1	66	5	5
9LCMS127	.7	1	16	13	1	64	5	5
9LCMS128	.8	1	47	13	1	48	5	10
9LCMS129	.8	1	25	12	1	49	5	5
9LCMS130	1.1	1	41	12	1	49	40	5
9LCMS131	1.2	1	112	14	1	60	5	50
9LCMS132	1.1	4	123	14	1	65	5	75
9FCMS209	.6	1	17	13	1	93	10	5
9FCMS210	.7	1	48	21	1	127	5	5
9FCMS211	.3	1	19	9	1	84	5	5
9FCMS212	.7	1	17	17	1	88	10	5
9FCMS213	1.5	6	26	28	1	53	5	5
9FCMS214	.6	1	31	19	1	179	5	25
9FCMS215	1.0	1	14	16	1	186	5	5
9FCMS216	1.4	3	17	17	1	71	10	5
9FCMS217	1.3	5	18	19	1	66	5	5
9FCMS218	1.7	12	38	26	1	52	5	5
9FCMS219	1.5	4	12	17	1	41	5	5
9FCMS220	1.1	33	45	24	7	18	5	5
9FCMS221	1.1	16	39	34	2	60	5	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-SJ7+8
DATE: SEP-11-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9FCMS222	1.3	14	33	22	2	50	10	15
9FCMS223	1.1	16	19	17	1	79	5	5
9FCMS224	.8	1	8	7	1	78	5	5
9FCMS225	1.6	10	13	12	1	48	5	5
9FCMS226	2.0	5	13	13	1	35	10	5
9FCMS227	1.9	5	14	11	2	56	5	10
9FCMS228	1.4	10	18	14	1	71	5	5
9FCMS229	.7	1	9	13	1	91	5	5
9FCMS230	.6	1	6	9	1	66	5	5
9FCMS231	1.0	14	17	21	1	95	10	5
9FCMS232	.8	1	11	10	1	76	5	5
9FCMS233	1.6	4	17	16	1	76	5	5
9FCMS234	2.3	23	37	22	3	57	5	10
9FCMS235	1.3	9	21	10	1	88	5	5
9FCMS236	1.3	3	28	11	1	85	5	5
9FCMS237	.4	4	10	7	1	78	10	5
9FCMS238	.6	2	11	4	1	80	5	5
9FCMS239	.8	4	18	9	1	94	5	5
9FCMS240	.6	1	23	16	1	86	5	70
9FCMS241	.9	11	100	38	5	360	10	115
9FCMS242	1.6	9	51	19	1	138	5	15
9FCMS243	1.5	2	114	19	1	114	5	50
9FCMS244	1.1	1	12	9	1	108	5	5
9FCMS245	.9	1	16	11	1	112	10	5
9FCMS246	1.4	1	20	16	1	90	10	5
9FCMS247	1.8	4	45	19	1	80	5	60
9FCMS248	1.2	1	18	10	1	69	5	5
9FCMS249	1.3	5	26	14	1	79	5	15
9FCMS250	1.3	7	48	31	3	195	5	15
9FCMS251	1.5	8	16	18	1	109	10	5
9FCMS252	.6	1	18	11	1	243	5	25
9FCMS253	.9	1	15	14	1	138	5	30
9FCMS254	.7	3	14	14	1	147	10	5
9FCMS255	.1	1	5	7	1	92	5	10
9FCMS256	1.6	4	21	23	3	55	10	15
9FCMS257	.7	1	11	13	1	89	5	5
9FCMS258	1.1	3	15	9	1	51	5	5
9FCMS259	1.2	22	69	38	5	71	5	75
9FCMS260	1.2	16	44	27	1	64	5	5
9FCMS261	1.2	26	45	28	1	106	10	20
9FCMS262	.7	9	13	12	1	145	5	10
9FCMS263	.4	2	9	12	1	85	10	5
9FCMS264	.5	10	16	14	1	57	5	5
9FCMS265	1.2	15	46	30	5	56	5	25
9FCMS266	1.1	6	18	21	2	51	5	5
9FCMS267	1.6	23	47	24	4	51	5	15
9FCMS268	1.9	20	27	26	2	68	5	5
9FCMS269	1.9	14	40	22	1	81	5	5
9FCMS270	1.5	8	22	13	1	85	5	15
9FCMS271	2.1	11	42	23	1	76	5	15
9FCMS272	1.2	1	32	12	1	86	10	5
9FCMS273	1.8	15	65	29	1	110	5	25
9FCMS274	2.4	19	45	31	2	78	5	5
9FCMS275	2.1	16	31	27	2	79	5	10
9FCMS276	1.9	3	26	16	1	74	5	5
9FCMS277	1.3	11	21	11	1	126	5	10
9FCMS278	1.2	8	47	16	1	116	10	15
9FCMS279	2.1	10	40	25	1	91	10	5
9FCMS280	2.2	10	41	22	2	83	5	5
9FCMS281	2.1	18	38	31	2	59	5	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-SJ9+10
DATE: SEP-11-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9FCMS282	1.8	3	29	17	1	55	5	5
9FCMS283	1.2	4	51	20	2	79	10	5
9FCMS284	2.3	8	131	46	5	95	5	10
9FCMS285	2.5	3	79	33	2	110	5	15
9FCMS286	2.2	5	33	26	1	64	10	5
L118N103+50E	.6	1	14	22	1	105	5	25
L118N103+75E	1.2	1	25	17	1	85	5	5
9FCMS288	1.0	11	35	23	2	141	5	5
9FCMS289	2.0	22	49	30	3	134	5	5
9FCMS290	2.1	33	55	36	4	90	5	5
9NCMS076	1.4	8	25	16	1	64	10	10
9NCMS077	1.0	1	27	13	1	49	5	10
9NCMS078	1.2	1	17	14	1	49	5	5
9NCMS079	1.3	8	31	15	1	46	5	10
9NCMS080	.6	6	18	10	1	42	5	25
9NCMS081	1.2	11	24	18	1	54	15	15
9NCMS129	1.2	3	19	13	1	57	10	10
9NCMS130	.9	4	15	12	1	60	5	10
9NCMS131	1.3	4	40	17	1	59	5	15
9NCMS132	1.4	8	23	16	1	52	5	15
9NCMS133	.8	1	19	13	1	54	5	10
9NCMS134	1.2	4	39	20	1	59	5	15
9NCMS135	1.0	6	30	12	1	74	10	15
9NCMS136	1.2	1	48	14	1	84	5	10
9NCMS137	.8	3	21	19	1	59	5	10
9NCMS138	1.5	11	31	24	5	59	5	5
9NCMS139	1.5	12	29	18	3	62	5	5
9NCMS140	1.9	16	36	28	4	55	10	10
9NCMS141	.5	1	10	11	1	65	5	25
9NCMS142	.2	1	11	10	1	60	5	30
9NCMS143	1.1	5	19	15	1	76	5	15
9NCMS144	1.4	29	59	26	3	58	5	10
9NCMS145	1.4	21	67	27	2	60	10	20
9NCMS146	1.1	14	44	27	1	73	5	15
9SCMS092	.5	1	17	6	1	84	5	10
9SCMS093	.8	1	23	7	1	117	5	5
9SCMS094	1.2	1	37	14	1	84	5	10
9SCMS095	.8	1	13	11	1	126	15	25
9SCMS096	1.4	7	19	13	1	77	10	20
9SCMS097	1.3	5	17	15	1	135	5	10
9SCMS098	1.5	13	16	13	1	79	5	10
9SCMS099	1.0	1	15	11	1	166	5	5
9SCMS100	1.5	15	46	22	2	344	5	15
9SCMS101	.6	1	7	8	1	82	10	10
9SCMS102	1.5	10	47	30	1	60	5	15
9SCMS103	1.7	5	31	34	3	60	5	10
9SCMS104	.8	13	14	10	1	72	5	20
9SCMS105	1.7	27	80	22	3	61	5	5
9SCMS106	.9	9	15	12	1	193	10	20
9SCMS107	1.5	21	19	20	3	51	5	5
9SCMS108	1.7	14	14	19	1	55	5	5
9SCMS109	1.8	19	39	20	1	56	5	15
9SCMS110	1.6	18	27	22	1	64	5	10
9SCMS111	1.2	3	22	14	1	76	5	5
9SCMS112	1.5	13	25	15	1	75	10	10
9SCMS113	2.0	21	25	16	2	60	100	5
9SCMS114	1.5	19	18	11	2	48	5	5
9SCMS115	1.5	13	20	15	1	54	5	15
9SCMS116	1.9	3	26	16	1	60	5	25
9SCMS117	1.3	5	18	12	1	77	5	20

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-SJ11
DATE: SEP-11-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9SCMS118	.7	1	24	13	1	73	5	5
9SCMS119	.8	1	23	9	2	125	10	5
9SCMS120	.7	1	26	12	1	85	5	5
9SCMS121	.6	4	24	11	1	119	5	5
9SCMS122	.5	1	52	26	4	131	5	35
9SCMS123	.7	3	36	9	2	112	5	5

COMP: MINNOVA INC.
PROJ: CHINOOK MTN. 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-RJ1
DATE: SEP-08-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML243	.8	30	10	8	42	1	63	5
9TCML244	.8	14	194	28	18	1	49	5
9TCML245	.4	1	62	32	42	1	85	10
9TCML246	2.6	4	81	18	38	1	76	5
9TCML247	2.5	7	52	17	29	1	68	5
9TCML248	2.2	6	63	28	28	1	72	5
9TCML249	2.0	1	17	9	23	1	52	5
9TCML250	2.6	1	57	56	48	2	81	10
9TCML251	2.3	1	33	27	26	1	92	5
9TCML252	2.6	1	39	75	35	1	87	5
9TCML253	2.1	1	21	61	27	1	73	5
9TCML254	2.2	1	33	10	29	1	52	5
9TCML255	2.6	4	33	11	36	3	96	10
9TCML256	.4	30	10	2	1	1	6	5
9TCML257	2.3	7	22	73	31	1	64	5
9TCML258	2.3	1	13	69	26	1	70	5
9TCML259	2.6	1	24	45	30	1	84	5
9TCML270	2.3	1	38	30	29	1	69	5
9TCML271	2.0	9	19	108	35	2	58	10
9TCML272	1.1	7	91	209	22	1	70	5
9TCML273	2.2	1	35	26	31	1	67	5
9TCML274	2.4	4	26	65	36	1	76	5
9TCML275	.9	19	277	240	25	1	48	5
9TCML276	.5	9	207	40	11	1	52	10
9TCML277	1.9	1	21	11	23	1	62	5
9TCML278	1.9	1	22	8	25	1	63	5

COMP: MINNOVA INC.
PROJ: CHINOOK MTN. 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-1009-RL1
DATE: SEP-08-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML243	15.36	.025	9.29	10.58	.79	7.28	.20	3.07	.31	46.63	1.51	.02	95.07
9TCML244	11.62	.310	.67	5.06	3.24	3.20	.07	1.84	.11	69.49	.61	.22	96.43
9TCML245	16.70	.130	.95	9.09	4.88	4.19	.15	3.93	.17	53.10	1.49	.08	94.86
9TCML246	15.14	.045	8.34	10.31	1.36	7.05	.20	3.60	.32	47.53	1.52	.02	95.43
9TCML247	15.00	.020	10.22	9.87	1.41	6.94	.19	3.26	.32	46.91	1.47	.02	95.62
9TCML248	15.04	.020	9.35	9.98	1.81	7.50	.18	3.02	.33	47.39	1.47	.04	96.12
9TCML249	14.79	.010	10.79	9.28	1.98	6.32	.17	3.48	.34	47.04	1.44	.02	95.66
9TCML250	16.09	.025	6.05	10.41	2.17	6.94	.19	3.49	.26	46.11	1.50	.03	93.26
9TCML251	16.43	.020	8.75	10.08	1.60	5.71	.18	3.57	.28	48.26	1.54	.27	96.69
9TCML252	15.58	.015	10.01	10.85	1.12	7.81	.19	2.43	.35	46.17	1.54	.01	96.07
9TCML253	15.42	.015	8.35	10.06	.91	7.52	.18	3.65	.30	48.10	1.50	.03	96.03
9TCML254	14.91	.035	9.45	9.81	.95	6.60	.19	3.52	.33	48.20	1.44	.02	95.44
9TCML255	14.10	.030	9.18	8.68	.76	4.47	.19	3.54	.27	48.83	1.58	.01	91.66
9TCML256	1.94	.005	2.98	1.11	.49	.81	.03	.54	.09	88.83	.10	.02	96.94
9TCML257	15.15	.025	8.65	9.96	.21	7.39	.18	3.75	.32	48.81	1.45	.03	95.93
9TCML258	15.72	.005	12.56	9.62	.02	5.88	.22	1.42	.34	48.39	1.46	.01	95.64
9TCML259	16.03	.010	10.90	10.28	.01	7.11	.19	1.76	.34	47.63	1.50	.01	95.75
9TCML270	15.59	.015	9.97	10.47	.01	7.12	.18	3.27	.32	47.52	1.51	.04	96.00
9TCML271	12.46	.015	5.47	7.66	.02	4.96	.15	3.47	.23	61.65	1.07	.03	97.19
9TCML272	11.21	.060	3.62	4.73	1.28	2.23	.09	.82	.14	72.16	.50	.04	96.88
9TCML273	15.48	.020	9.58	10.09	.22	7.17	.19	3.00	.33	48.00	1.54	.02	95.64
9TCML274	15.53	.015	8.75	9.94	.01	6.82	.18	4.02	.31	48.47	1.54	.03	95.62
9TCML275	9.72	.115	.87	5.01	1.55	2.44	.12	.79	.09	75.79	.46	.08	97.03
9TCML276	8.73	.110	1.16	3.97	1.63	1.64	.15	.35	.09	79.01	.43	.07	97.33
9TCML277	15.67	.010	10.68	9.77	.01	6.43	.18	3.08	.32	47.95	1.57	.01	95.67
9TCML278	15.66	.010	10.59	9.94	.01	6.87	.18	3.23	.31	47.35	1.50	.01	95.65

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0994-SJ1+2
DATE: SEP-06-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9NCMS024	1.4	3	14	6	1	138	5
9NCMS025	.7	2	20	13	1	82	5
9NCMS026	1.1	1	23	16	1	98	5
9NCMS027	1.0	6	29	11	1	75	5
9NCMS028	.6	6	11	6	1	67	5
9NCMS029	.5	9	10	12	1	81	5
9NCMS030	.8	3	11	7	1	128	5
9NCMS031	.8	17	21	21	1	67	5
9NCMS032	.7	7	11	9	1	61	5
9NCMS033	.7	17	10	17	3	40	5
9NCMS034	.8	16	25	19	2	36	5
9NCMS035	.7	12	14	10	1	39	5
9NCMS036	.8	17	15	17	1	37	5
9NCMS037	.7	4	15	9	1	72	5
9NCMS038	.5	9	8	10	1	45	5
9NCMS039	1.0	21	56	25	3	60	5
9NCMS040	.7	13	11	11	1	102	5
9NCMS041	.9	20	12	12	2	81	10
9NCMS042	.6	1	8	7	1	81	5
9NCMS043	.6	4	9	7	1	48	5
9NCMS044	.7	22	50	19	3	41	5
9NCMS045	.7	18	24	18	3	41	5
9NCMS045119N9775E	.7	5	8	8	1	23	5
9NCMS046119N9800E	.7	9	9	9	1	37	5
9NCMS047	.8	5	9	8	1	25	10
9NCMS048	.7	4	9	8	1	30	5
9NCMS049	.7	14	12	7	1	40	5
9NCMS050	.7	6	9	5	1	60	5
9NCMS051	1.0	17	22	12	2	78	5
9NCMS052	1.0	18	42	19	3	68	5
9NCMS053	1.0	12	23	15	1	84	5
9NCMS054	.7	10	53	16	1	70	5
9NCMS055	.8	7	53	18	2	85	5
9NCMS056	.6	14	38	22	2	58	5
9DCMS118	.8	2	11	13	1	44	5
9DCMS119	.7	8	14	11	1	43	5
9DCMS120	.7	15	11	11	1	36	5
9DCMS121	.8	13	9	13	2	46	5
9DCMS122	.7	15	10	13	1	41	5
9DCMS123	.6	12	25	25	2	29	5
9DCMS124	.7	15	15	9	1	21	5
9DCMS125	.7	11	16	20	1	55	5
9DCMS126	.6	7	11	10	1	28	5
9NCMS082	.9	2	25	11	1	83	5
9NCMS083	.8	1	8	12	1	84	5
9NCMS084	.8	4	12	17	1	73	5
9NCMS085	1.0	16	25	17	1	129	5
9NCMS086	.7	5	8	10	1	59	5
9NCMS087	.6	1	8	7	1	54	5
9NCMS088	.6	19	20	16	3	36	5
9NCMS089	.7	8	14	16	1	58	5
9NCMS090	.7	1	8	10	1	65	5
9NCMS091	1.0	5	6	5	1	97	5
9NCMS092	.9	9	8	6	1	101	5
9NCMS093	1.1	14	12	23	1	90	5
9NCMS094	.7	8	8	16	1	50	5
9NCMS095	.9	9	12	18	1	38	5
9NCMS096	.5	4	10	12	1	47	5
9NCMS097	2.3	47	2	6	3	2	5
9NCMS098	1.2	12	11	11	1	38	5

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COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0994-SJ3+4
DATE: SEP-06-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9NCMS099	.9	2	9	4	1	53	5
9NCMS100	.7	1	11	11	1	49	10
9NCMS101	1.0	7	47	19	2	37	5
9NCMS102	.8	7	11	11	1	99	5
9NCMS103	.7	1	12	12	1	72	5
9NCMS104	.7	6	15	11	1	49	5
9NCMS105	.8	10	47	25	3	43	10
9NCMS106	.7	5	17	15	1	43	5
9NCMS107	.8	3	22	21	1	43	5
9NCMS108	.6	1	13	10	1	36	5
9NCMS109	.9	7	21	7	1	50	5
9NCMS110	.9	5	42	14	1	57	30
9NCMS111	1.0	1	77	29	1	83	5
9NCMS112	.9	1	25	23	1	86	5
9NCMS113	.9	4	24	20	1	57	5
9NCMS114	.5	1	20	21	1	60	10
9NCMS115	.8	1	16	15	2	59	5
9NCMS116	.7	1	10	7	1	94	5
9NCMS117	.9	5	15	12	1	50	5
9NCMS118	1.0	1	29	21	1	66	5
9NCMS119	1.3	14	50	23	1	71	5
9NCMS120	1.1	10	28	23	2	50	10
9NCMS121	.9	8	20	16	2	42	5
9NCMS122	.4	1	21	19	1	143	10
9NCMS123	.8	1	32	21	1	49	5
9NCMS124	.9	1	26	18	1	61	5
9NCMS125	.9	1	28	24	1	69	5
9NCMS126	.7	2	23	19	1	52	5
9NCMS127	1.0	17	44	18	1	47	5
9NCMS128	.9	14	22	15	1	60	5
9WCMS100	.6	1	23	11	1	43	5
9WCMS101	1.0	5	57	26	4	49	5
9WCMS102	.7	4	23	21	3	45	5
9WCMS103	.8	1	32	22	2	46	5
9WCMS104	.6	1	6	7	1	40	5
9WCMS105	.9	1	26	15	1	94	5
9WCMS106	.7	1	20	10	2	71	5
9WCMS107	.8	4	19	11	2	44	5
9WCMS108	.6	5	9	14	2	44	5
9WCMS109	.9	1	16	19	4	37	10
9WCMS110	1.1	2	10	11	2	28	5
9WCMS111	.7	3	8	10	2	31	5
9WCMS112	.7	3	7	5	1	37	5
9WCMS113	.8	1	19	9	2	37	5
9WCMS114	.6	1	13	10	2	44	5
9WCMS115	.4	1	16	20	2	60	5
9WCMS116	.6	1	20	16	1	49	5
9WCMS117	.7	1	26	15	2	54	5
9WCMS118	.9	5	15	13	1	52	5
9WCMS119	1.1	3	15	12	2	37	5
9WCMS120	.6	1	10	11	2	34	5
9WCMS121	.7	1	16	11	1	52	5
9DCMS263	.6	1	9	6	1	46	10
9DCMS265	.9	8	39	25	4	47	15
9DCMS266	1.0	6	44	17	3	47	5
9DCMS267	.7	7	14	10	2	58	5
9DCMS268	.6	1	11	11	1	53	5
9DCMS269	.8	2	13	6	1	59	45
9DCMS270	.9	1	11	10	1	41	5
9DCMS271	1.2	2	17	15	1	42	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0994-SJ5+6
DATE: SEP-06-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9DCMS272	.6	1	31	10	1	37	5
9DCMS273	.7	1	13	9	1	42	5
9DCMS274	.9	1	19	11	1	38	5
9DCMS275	.7	1	18	9	2	42	5
9FCMS291	.5	1	20	9	1	44	5
9FCMS292	1.0	6	20	11	2	54	5
9FCMS293	.7	1	23	14	1	43	5
9FCMS294	.4	1	14	9	1	41	5
9FCMS295	1.2	1	36	20	3	46	5
9FCMS296	.8	1	17	13	3	28	5
9FCMS297	.8	1	14	12	2	32	5
9FCMS298	.3	1	12	6	1	59	5
9FCMS299	1.3	1	32	14	3	63	5
9FCMS300	.6	6	15	2	1	50	5
9FCMS301	1.1	1	21	9	3	51	5
9FCMS302	1.4	1	29	14	3	42	5
9FCMS303	1.0	1	14	7	3	41	5
9FCMS304	1.1	3	23	14	1	34	5
9FCMS305	.7	1	20	9	1	44	30
9FCMS306	.7	1	19	16	2	61	5
9FCMS307	.1	1	8	1	1	51	5
9FCMS308	.8	10	17	10	2	49	5
9FCMS309	.8	11	25	17	3	53	5
9FCMS310	.6	4	14	9	2	60	5
9FCMS311	.9	1	22	14	2	77	5
9FCMS312	.8	2	19	15	1	57	5
9FCMS313	1.1	5	20	14	1	60	5
9FCMS314	.6	1	14	12	1	52	5
9FCMS315	.5	6	22	6	2	53	5
9FCMS316	.5	1	16	9	1	48	5
9FCMS317	.9	5	27	14	1	52	5
9FCMS318	.6	1	18	10	1	50	10
9FCMS319	.7	1	26	20	1	53	20
9FCMS320	1.5	1	35	21	2	66	5
9FCMS321	.9	1	22	19	2	58	5
9FCMS322	1.4	4	54	24	4	36	5
9FCMS323	.7	5	18	13	1	53	10
9FCMS324	.3	1	32	14	2	36	20
9FCMS325	.8	1	27	12	1	65	5
9FCMS326	.3	11	32	10	1	36	5
9FCMS327	.5	1	30	20	1	37	15
9NCMS001	1.2	9	43	28	5	55	20
9NCMS002	1.1	7	23	12	3	51	5
9NCMS003	.6	1	9	11	1	142	5
9NCMS004	1.3	4	21	16	4	98	5
9NCMS005	1.3	3	15	21	2	52	10
9NCMS006	1.6	1	47	19	5	56	5
9NCMS007	1.3	1	22	21	4	41	5
9NCMS008	1.5	10	27	22	3	42	5
9NCMS009	.8	4	17	15	1	88	5
9NCMS010	.3	3	7	5	1	61	10
9NCMS011	.2	1	14	6	1	84	5
9NCMS012	.5	1	14	9	2	79	5
9NCMS013	.4	2	13	5	1	106	5
9NCMS014	.2	3	6	12	1	114	10
9NCMS015	.3	8	6	9	2	103	5
9NCMS016	.6	1	22	15	1	100	5
9NCMS017	.4	1	9	7	1	74	10
9NCMS018	.7	1	17	11	1	104	5
9NCMS019	1.2	1	15	15	1	55	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0994-SJ7
DATE: SEP-06-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9NCMS020	.9	1	15	10	1	65	5
9NCMS021	1.4	6	23	16	1	67	10
9NCMS022	.8	1	21	10	1	60	5
9NCMS023	1.3	11	30	14	2	62	10
9NCMS057	.6	1	70	25	2	191	5
9NCMS058	1.1	13	17	13	1	49	5
9NCMS059	.8	5	18	16	1	59	5
9NCMS060	.8	2	22	14	2	50	10
9NCMS061	.8	4	21	13	1	52	5
9NCMS062	.9	1	25	17	2	54	5
9NCMS063	1.5	4	64	20	3	53	5
9NCMS064	1.4	13	123	25	4	68	10
9NCMS065	.5	1	17	17	1	53	5
9NCMS066	.9	11	19	15	2	49	5
9NCMS067	1.2	5	26	16	3	49	5
9NCMS068	.8	13	20	18	3	54	5
9NCMS069	.6	8	14	10	1	69	10
9NCMS070	1.0	1	66	13	1	74	5
9NCMS071	1.4	8	34	21	3	58	10
9NCMS072	1.2	11	38	22	3	63	10
9NCMS073	1.3	9	48	14	2	69	5
9NCMS074	.7	7	13	8	1	56	5
9NCMS075	1.4	11	20	13	3	40	5

MIN-EN LABORATORIES [redacted]

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

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

Assay Certificate

9V-0972-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN.244
Attn: I.PIRIE/D.HEBERLEIN

Date: SEP-06-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 10 ROCK samples submitted AUG-23-89 by T.CLARKE.

Sample Number	LOI %
9TCML233	2.35
9TCML234	2.40
9TCML235	2.20
9TCML236	2.15
9TCML237	1.90
9TCML238	3.30
9TCML239	2.20
9TCML240	2.40
9TCML241	3.60
9TCML242	3.10

RECEIVED
SEP 12 1989
Ans'd .....

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0972-RL1
DATE: SEP-06-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML233	15.90	.005	9.02	9.05	.01	6.69	.17	4.07	.29	50.07	1.25	.02	96.53
9TCML234	16.98	.010	8.65	9.33	.01	6.79	.17	4.24	.29	48.71	1.30	.01	96.48
9TCML235	17.30	.005	8.93	10.50	.10	5.01	.20	3.94	.27	49.11	1.73	.01	97.12
9TCML236	17.19	.010	9.19	10.57	.01	4.83	.20	3.61	.29	49.21	1.75	.01	96.84
9TCML237	17.18	.010	7.69	10.94	.01	4.75	.20	4.63	.27	49.58	1.84	.03	97.12
9TCML238	16.04	.020	8.92	9.47	.01	7.04	.18	4.02	.30	48.60	1.29	.01	95.89
9TCML239	16.27	.010	10.07	9.37	.01	6.66	.16	3.82	.31	48.85	1.31	.01	96.83
9TCML240	16.53	.010	8.08	9.38	.01	7.18	.17	4.31	.28	49.29	1.30	.02	96.56
9TCML241	15.61	.015	8.45	10.23	.01	7.51	.19	3.92	.29	47.75	1.47	.01	95.44
9TCML242	15.79	.015	9.47	9.85	.25	7.36	.18	3.52	.31	47.74	1.47	.01	95.97

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0972-RJ1
DATE: SEP-06-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML233	1.4	9	11	64	27	1	45	5
9TCML234	1.5	1	12	46	33	1	51	5
9TCML235	1.3	1	10	68	24	1	54	10
9TCML236	3.0	1	23	49	25	1	54	5
9TCML237	3.4	1	11	80	26	1	60	5
9TCML238	1.9	4	31	61	32	1	50	5
9TCML239	1.8	6	27	61	23	1	41	5
9TCML240	1.8	2	27	62	24	1	42	5
9TCML241	1.9	1	18	63	35	2	55	5
9TCML242	1.1	1	22	6	27	1	46	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT.244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

SEP 8 1989

FILE NO: 9V-0968-RJ1
DATE: SEP 02-89
* TYPE ROCK GEOCHEM * (ACT-F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9TCML260	.4	27	136	228	14	4	101	15	10
9TCML261	.3	20	91	71	27	1	105	5	5
9TCML262	2.2	1	17	74	45	6	72	10	
9TCML263	.5	9	80	29	20	1	44	5	
9TCML264	2.3	1	23	69	34	1	80	5	
9TCML265	2.0	1	10	57	31	1	71	5	
9TCML266	2.0	1	23	12	29	1	65	5	
9TCML267	2.2	1	27	60	37	1	83	10	
9TCML268	2.3	1	35	40	30	1	69	5	
9TCML269	2.2	1	24	46	33	2	66	5	

COMP: MINNOVA INC.
PROJ: CHINOOK MTN 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0968-RL1
DATE: SEP-04-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML260	6.25	.125	.07	4.50	1.46	1.25	.09	.11	.08	82.23	.29	.06	96.52
9TCML261	6.74	.085	.81	3.48	2.05	1.58	.11	.55	.07	80.33	.36	.03	96.20
9TCML262	13.59	.020	7.19	9.13	1.49	5.95	.17	3.37	.26	49.18	1.34	.01	91.69
9TCML263	7.24	.065	2.96	3.03	2.31	1.24	.10	.39	.11	77.17	.37	.01	94.99
9TCML264	15.56	.005	12.55	10.33	1.37	6.75	.20	1.02	.36	44.83	1.51	.01	94.48
9TCML265	15.21	.005	12.26	9.97	.78	6.37	.19	1.98	.35	46.87	1.46	.01	95.46
9TCML266	15.39	.015	9.42	9.86	1.11	6.71	.18	2.93	.31	46.75	1.51	.03	94.21
9TCML267	15.53	.015	11.39	10.13	1.54	6.61	.19	1.00	.33	46.90	1.43	.01	95.10
9TCML268	16.51	.030	9.02	9.58	1.30	5.25	.18	3.72	.29	48.37	1.52	.02	95.79
9TCML269	15.47	.025	8.61	10.01	1.57	6.47	.18	3.77	.29	47.48	1.55	.02	95.43

COMP: MINNOVA INC.
PROJ: CHINOOK MT. 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0929-SJ1+2
DATE: AUG-25-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9LCMS001	.7	15	11	13	1	64	5
9LCMS002	.8	1	10	13	1	62	5
9LCMS003	1.1	13	9	14	1	72	5
9LCMS004	1.6	12	13	15	1	61	5
9LCMS005	1.5	12	13	15	2	80	5
9LCMS006	.9	1	10	14	1	79	5
9LCMS007	1.7	13	18	14	1	63	5
9LCMS008	.9	3	15	13	1	92	5
9LCMS009	1.7	6	19	11	2	65	5
9LCMS010	.6	1	14	17	2	99	5
9LCMS011	1.3	11	36	15	2	74	5
9LCMS012	.9	1	18	16	1	95	5
9LCMS013	.9	1	14	6	1	86	5
9LCMS014	.8	5	17	12	1	125	5
9LCMS015	1.0	3	26	19	1	108	5
9LCMS016	.8	7	20	7	1	102	5
9LCMS017	.8	10	27	15	1	101	5
9LCMS018	1.7	14	28	13	1	66	5
9LCMS019	2.0	14	19	13	4	56	5
9LCMS020	.8	1	31	13	1	112	5
9LCMS021	.4	4	52	11	1	94	5
9LCMS022	1.0	5	337	20	1	95	5
9LCMS023	1.9	22	527	20	3	104	5
9LCMS024	1.4	1	90	25	2	101	5
9LCMS025	1.4	11	71	25	2	100	5
9LCMS026	.5	1	32	19	1	110	5
9LCMS027	.5	2	24	10	1	83	5
9LCMS028	.3	5	50	33	1	123	5
9LCMS029	.1	1	35	11	1	93	5
9LCMS030	1.0	10	99	23	2	99	5
9LCMS031	.9	10	13	12	1	101	5
9LCMS032	1.3	11	17	11	3	83	5
9LCMS033	1.4	8	20	17	1	95	5
9LCMS034	1.0	6	12	7	1	99	5
9LCMS035	1.5	18	12	12	1	98	5
9LCMS036	1.8	16	19	13	3	82	5
9LCMS037	1.3	8	11	12	1	79	5
9LCMS038	1.5	10	14	18	1	71	5
9LCMS039	1.0	10	20	11	1	90	5
9LCMS040	1.0	4	17	15	1	80	5
9LCMS041	1.0	4	17	18	1	101	5
9LCMS042	1.4	19	36	22	3	55	5
9FCMS170	1.0	7	21	14	1	73	5
9FCMS171	1.5	16	17	13	2	59	5
9FCMS172	.8	8	24	16	1	56	5
9FCMS173	.8	13	15	16	1	97	5
9FCMS174	.8	12	14	16	1	106	5
9FCMS175	1.2	11	15	13	1	63	5
9FCMS176	1.2	11	14	17	1	66	5
9FCMS177	1.1	16	20	13	2	55	5
9FCMS178	1.2	18	16	18	1	54	5
9FCMS179	1.2	10	12	13	1	72	5
9FCMS180	1.3	9	27	13	1	105	10
9FCMS181	.9	25	13	7	1	135	5
9FCMS182	1.6	22	28	13	4	93	5
9FCMS183	.7	8	16	9	1	119	5
9FCMS184	.2	16	10	4	1	135	5
9FCMS185	.3	5	20	10	1	116	5
9FCMS186	.5	15	10	5	1	66	5
9FCMS187	1.1	3	17	14	2	65	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT. 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0929-SJ3+4
DATE: AUG-25-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9FCMS188	1.1	5	12	9	1	83	5	
9FCMS189	1.3	2	18	15	1	96	5	
9FCMS190	1.0	14	20	17	1	96	5	
9FCMS191	1.2	104	239	26	6	93	5	
9FCMS192	1.0	16	27	11	1	135	5	
9FCMS193	.3	18	9	7	1	112	5	
9FCMS194	.4	19	27	12	1	118	5	
9FCMS195	1.0	11	18	11	1	141	5	
9FCMS196	.5	11	13	13	1	108	5	
9FCMS197	.6	10	15	12	1	97	5	
9FCMS198	.6	3	18	7	1	80	5	
9FCMS199	.7	1	16	8	1	108	5	
9FCMS200	.2	6	13	2	1	72	5	
9FCMS201	.2	1	20	6	1	89	5	
9FCMS202	.8	7	105	22	1	258	5	
9FCMS203	.6	5	19	10	1	98	5	
9FCMS204	1.0	9	28	11	1	99	5	
9FCMS205	.8	6	31	9	1	86	5	
9FCMS206	.4	7	16	5	1	81	5	
9FCMS207	.3	4	16	5	1	83	5	
9FCMS208	.6	7	17	10	1	98	5	
9DCMS051	1.3	5	85	26	1	114	5	50
9DCMS052	2.0	7	266	58	4	158	50	85
9DCMS053	1.5	13	28	26	2	110	5	70
9DCMS054	2.0	11	23	23	1	70	5	55
9DCMS055	1.8	10	24	28	4	67	5	50
9DCMS056	1.7	10	25	21	3	68	5	35
9DCMS057	1.7	5	19	16	2	49	5	45
9DCMS058	.6	9	26	12	1	169	5	60
9DCMS059	.3	9	12	6	1	129	5	70
9DCMS060	.6	6	11	15	1	114	5	30
9DCMS061	.2	5	8	7	1	183	5	25
9DCMS062	.5	16	12	14	1	120	5	10
9DCMS063	.2	10	7	5	1	95	5	10
9DCMS064	1.1	6	28	12	2	86	5	20
9DCMS065	.8	13	18	15	1	89	10	35
9DCMS066	.2	10	7	4	1	70	5	30
9DCMS067	.6	6	16	10	1	77	5	25
9DCMS068	.7	6	25	14	1	78	5	20
9DCMS069	1.2	1	28	15	1	68	5	15
9DCMS070	1.3	108	194	30	8	81	5	40
9DCMS071	.2	20	50	8	1	203	5	35
9DCMS072	.5	6	19	12	1	91	5	15
9DCMS073	.5	11	16	10	1	101	5	5
9DCMS074	.5	12	20	7	1	96	5	5
9DCMS075	.6	20	22	8	1	71	5	15
9SCMS052	1.2	2	11	11	1	83	5	5
9SCMS053	1.3	9	18	21	2	52	5	5
9SCMS054	1.6	12	18	15	2	59	5	5
9SCMS055	.8	5	9	13	1	86	5	10
9SCMS056	1.0	8	12	15	2	86	10	10
9SCMS057	1.0	5	8	6	1	83	5	5
9SCMS058	1.5	10	17	14	1	88	5	15
9SCMS059	1.0	9	8	10	1	114	5	5
9SCMS060	1.4	13	16	18	3	105	5	15
9SCMS061	.8	3	11	8	1	76	5	5
9SCMS062	1.6	9	13	18	3	51	5	10
9SCMS063	.9	3	9	9	1	84	5	15
9SCMS064	1.1	12	7	9	1	65	5	5
9SCMS065	1.2	11	9	12	2	80	5	5

COMP: MINNOVA INC.
PROJ: CHINOOK MT. 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0929-SJ5
DATE: AUG-25-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
9SCMS066	.8	2	11	23	4	74	5	15
9SCMS067	1.6	6	23	18	2	60	5	10
9SCMS068	1.6	16	14	16	2	47	5	5
9SCMS069	1.6	16	19	15	4	68	5	5
9SCMS070	1.1	1	13	9	1	78	5	5
9SCMS071	.7	1	9	8	1	78	5	15
9SCMS072	.8	6	12	9	1	47	5	5
9SCMS073	.2	1	14	7	1	73	5	10
9SCMS074	.7	1	16	7	1	51	5	5
9SCMS075	1.1	10	16	11	2	42	5	5
9SCMS076	1.0	13	14	9	1	50	10	5
9SCMS077	.5	8	7	8	1	62	5	5
9SCMS078	.7	1	11	5	1	76	5	5
9SCMS079	1.8	18	18	16	3	53	5	5
9SCMS080	1.6	16	28	16	2	48	5	5
9SCMS081	1.4	9	23	8	1	49	5	10
9SCMS082	1.4	3	14	17	1	65	5	15
9SCMS083	1.1	12	25	13	3	62	5	5
9SCMS084	1.0	3	102	22	4	117	5	5
9SCMS085	1.1	10	54	21	1	72	5	15
9SCMS086	1.2	1	86	31	3	103	5	5
9SCMS087	1.1	19	112	32	4	114	5	5
9SCMS088	.5	9	31	14	1	68	5	5
9SCMS089	.9	16	161	28	1	115	5	30
9SCMS090	1.6	10	64	39	8	78	5	15
9SCMS091	.8	14	19	23	4	54	5	15

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0909-SJ1+2
DATE: AUG-21-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9SCMS001	1.1	2	32	22	1	131	5
9SCMS002	2.6	9	64	31	2	56	5
9SCMS003	1.4	3	33	20	1	108	5
9SCMS004	1.3	5	28	23	1	122	5
9SCMS005	1.3	9	34	19	1	103	5
9SCMS006	1.1	9	24	14	1	91	5
9SCMS007	2.4	22	67	35	2	67	5
9SCMS008	2.1	1	37	32	1	98	5
9SCMS009	2.1	14	42	30	1	67	5
9SCMS010	1.6	20	57	35	2	71	5
9SCMS011	1.9	24	69	46	3	89	5
9SCMS012	3.3	26	67	36	3	67	5
9SCMS013	2.5	24	63	34	2	58	5
9SCMS014	3.6	38	127	37	3	74	5
9SCMS015	1.6	16	20	20	1	85	10
9SCMS016	1.5	6	22	15	1	106	5
9SCMS017	2.5	22	36	24	3	70	5
9SCMS018	.4	11	5	5	1	13	5
9SCMS019	.5	8	9	6	1	34	5
9SCMS020	1.1	5	22	19	1	102	5
9SCMS021	.4	15	6	1	1	21	5
9SCMS022	.9	11	19	11	1	44	5
9SCMS023	.7	12	10	7	1	31	5
9SCMS024	.5	4	10	9	1	48	5
9SCMS025	.3	12	10	10	1	38	5
9SCMS026	.2	8	5	4	1	25	5
9SCMS027	.2	2	5	2	1	15	5
9SCMS028	.5	11	8	4	1	41	5
9SCMS029	.8	12	12	10	1	49	5
9SCMS030	2.1	8	23	19	1	72	5
9SCMS031	2.0	9	23	16	1	62	5
9SCMS032	1.8	11	22	17	1	58	5
9SCMS033	2.0	15	27	18	2	53	5
9SCMS034	1.2	6	20	17	1	77	5
9SCMS035	1.8	4	33	26	2	56	5
9SCMS036	1.8	6	62	26	2	63	5
9SCMS037	1.6	30	515	29	8	114	5
9SCMS038	1.8	2	36	15	1	83	5
9SCMS039	1.3	20	67	25	2	134	5
9SCMS040	1.2	11	136	26	1	117	5
9SCMS041	1.0	6	33	23	1	117	5
9SCMS042	1.1	8	16	20	1	95	5
9SCMS043	1.4	12	18	15	1	66	5
9SCMS044	1.8	8	29	17	4	70	5
9SCMS045	1.6	10	20	20	1	72	5
9SCMS046	1.3	18	16	19	1	79	5
9SCMS047	2.0	15	25	24	1	83	5
9SCMS048	2.1	14	31	25	2	90	5
9SCMS049	2.2	9	54	30	2	93	5
9SCMS050	1.9	10	29	20	3	77	5
9SCMS051	1.8	10	58	22	1	86	5
9FCMS001	.6	2	25	17	2	110	5
9FCMS002	.4	6	17	17	1	130	5
9FCMS003	1.4	11	19	17	1	80	5
9FCMS004	1.5	13	16	17	2	66	5
9FCMS005	1.8	17	30	28	3	70	5
9FCMS006	.9	6	13	15	1	64	5
9FCMS007	1.0	11	17	20	2	62	5
9FCMS008	1.0	1	15	23	1	62	5
9FCMS009	1.2	8	15	21	1	59	5

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.NEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0909-SJ3+4
DATE: AUG-21-89
* TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9FCMS010	1.3	11	17	17	1	67	5
9FCMS011	1.2	11	16	17	1	59	5
9FCMS012	1.3	11	29	22	1	59	5
9FCMS013	1.4	15	14	17	1	47	5
9FCMS014	.3	2	10	8	1	55	5
9FCMS015	.4	5	9	6	1	74	5
9FCMS016	.5	11	13	11	1	94	5
9FCMS017	1.2	19	39	18	1	81	5
9FCMS018	1.6	25	42	18	1	51	5
9FCMS019	1.2	11	22	15	1	67	60
9FCMS020	.6	8	21	15	1	73	5
9FCMS021	.5	14	11	12	1	92	5
9FCMS022	1.4	22	31	15	1	66	5
9FCMS023	.6	10	30	15	1	101	5
9FCMS024	1.2	16	27	19	1	97	5
9FCMS025	.7	15	15	11	1	85	10
9FCMS026	2.5	43	67	30	4	65	5
9FCMS027	2.1	36	111	43	4	124	5
9FCMS028	1.0	21	51	26	2	79	5
9FCMS029	1.2	19	40	24	1	92	5
9FCMS030	.2	5	6	3	1	95	10
9FCMS031	.9	20	16	6	1	144	5
9FCMS032	.6	11	15	10	1	150	5
9FCMS033	.5	15	9	3	1	97	5
9FCMS034	.6	13	14	11	1	85	5
9FCMS035	1.1	11	61	22	1	162	5
9FCMS036	.1	8	454	37	2	178	5
9FCMS037	1.1	8	89	35	2	127	5
9FCMS038	.4	10	135	39	3	125	5
9FCMS039	.5	8	176	47	2	236	5
9FCMS040	.1	3	49	14	1	98	5
9FCMS041	.1	3	145	31	1	422	5
9FCMS042	.2	3	21	7	1	108	5
9FCMS043	.9	3	26	13	1	73	5
9FCMS044	1.0	11	46	15	1	74	5
9FCMS045	.8	3	38	21	1	100	15
9FCMS046	2.3	30	69	30	4	77	10
9FCMS047	2.7	44	89	31	3	74	10
9FCMS048	.9	3	69	15	1	103	5

MIN-EN LABORATORIES [redacted]

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

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

RECEIVED
AUG 24 1989
Ans'd .....

Assay Certificate

9V-0908-RA1

Company: MINNOVA INC.
Project: CM 244
Attn: I.PIRIE/D.HEBERLEIN

AUG-22-89

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

We hereby certify the following Assay of 18 ROCK samples submitted AUG-15-89 by D.FELLER.

Sample Number	LOI %
9TCML215	2.25
9TCML216	4.40
9TCML217	8.60
9TCML218	8.50
9TCML219	2.25
9TCML220	2.00
9TCML221	1.95
9TCML222	2.60
9TCML223	2.50
9TCML224	1.65
9TCML225	3.00
9TCML226	2.20
9TCML227	2.10
9TCML228	1.85
9TCML229	2.50
9TCML230	2.65
9TCML231	2.45
9TCML232	1.65

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0908-RJ1
DATE: AUG-22-89
* TYPE ROCK GEOCHEM * (ACT:F31)

AUG 24 1989

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TCML215	2.8	11	9	74	23	1	61	5
9TCML216	3.0	10	5	72	29	4	70	5
9TCML217	.3	51	4	5	20	3	20	5
9TCML218	.2	95	6	9	9	16	22	5
9TCML219	3.1	11	4	77	178	2	44	5
9TCML220	2.1	12	13	64	93	1	57	5
9TCML221	1.6	18	19	50	29	1	41	5
9TCML222	1.6	16	12	62	38	1	58	5
9TCML223	1.4	14	11	51	29	1	53	5
9TCML224	2.3	9	9	120	7	1	38	5
9TCML225	1.4	5	16	62	47	1	91	5
9TCML226	1.3	10	7	62	23	1	47	5
9TCML227	1.1	2	6	58	21	1	44	5
9TCML228	1.7	12	8	66	20	1	47	5
9TCML229	1.2	21	11	64	21	2	58	5
9TCML230	2.1	18	23	69	21	1	59	5
9TCML231	1.7	19	9	64	19	1	40	5
9TCML232	2.0	11	10	73	10	1	45	5

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0908-RL1
DATE: AUG-22-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TCML215	16.52	.005	8.53	10.95	.20	4.65	.20	4.01	.20	49.57	1.81	.02	96.66
9TCML216	16.10	.005	8.95	10.16	.01	4.72	.19	4.01	.20	48.58	1.62	.02	94.54
9TCML217	1.65	.005	6.68	2.75	.01	2.95	.09	.03	.12	76.47	.03	.30	91.08
9TCML218	1.37	.005	6.48	3.42	.03	1.62	.09	.03	.12	77.34	.03	.37	90.90
9TCML219	15.04	.005	8.87	10.06	.06	6.30	.17	4.54	.22	49.82	1.65	.01	96.75
9TCML220	15.26	.010	10.82	11.15	.01	7.26	.20	1.52	.24	49.02	1.69	.01	97.18
9TCML221	15.27	.010	10.82	11.13	.17	7.24	.20	1.53	.24	48.75	1.69	.01	97.06
9TCML222	16.37	.005	8.17	9.83	.05	7.46	.18	4.14	.22	48.60	1.32	.01	96.35
9TCML223	16.05	.010	8.26	9.71	.01	7.53	.18	4.16	.21	49.18	1.27	.01	96.57
9TCML224	15.93	.005	13.88	10.95	.01	4.28	.19	1.91	.25	48.35	1.73	.01	97.47
9TCML225	14.95	.005	8.75	10.00	.01	7.27	.19	3.97	.21	49.14	1.40	.02	95.92
9TCML226	15.53	.005	9.11	10.15	.01	7.47	.19	3.77	.23	48.98	1.47	.01	96.91
9TCML227	15.71	.005	10.35	10.18	.01	7.37	.19	3.10	.24	48.21	1.44	.01	96.80
9TCML228	16.17	.005	8.85	10.52	.01	6.67	.20	3.78	.22	49.48	1.54	.01	97.46
9TCML229	15.86	.005	10.03	10.66	.01	7.57	.19	3.02	.23	47.33	1.49	.01	96.39
9TCML230	15.95	.005	9.98	10.27	.01	7.18	.19	3.00	.23	48.06	1.49	.02	96.38
9TCML231	16.42	.005	12.02	9.47	.01	6.96	.19	2.91	.25	47.45	1.31	.01	96.99
9TCML232	17.03	.005	9.64	10.31	.01	4.89	.19	3.84	.22	49.67	1.62	.01	97.44

MIN-EN LABORATORIES [redacted].

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

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

AUG 24 1989
Ans'd .....

Assay Certificate

9V-0892-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN 244
Attn: I.PIRIE/D.HEBERLEIN

Date: AUG-22-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 15 ROCK samples submitted AUG-15-89 by T.CLARKE.

Sample Number	LOI %
9SBIL122	4.40
9SBIL123	3.80
9SBIL124	5.00
9SBIL125	6.30
9SBIL126	8.50
9SBIL127	4.40
9SBIL128	5.80
9SBIL129	5.10
9SBIL130	4.90
9SBIL131	5.35
9SBIL132	4.55
9SBIL133	0.95
9SBIL134	43.20
9SBIL135	8.00
9SBIL136	4.03

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: CHINOOK MTN. 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0892-RJ1
DATE: AUG-22-89
* TYPE: ROCK GEOCHEM * (ACT:F31)

RECEIVED
AUG 24 1989
Ans'd

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9SBIL122	1.5	11	32	90	39	1	78	5
9SBIL123	2.4	26	135	48	25	1	82	5
9SBIL124	1.0	26	25	86	35	1	59	5
9SBIL125	2.2	11	25	77	46	1	103	5
9SBIL126	2.1	14	19	121	48	3	88	5
9SBIL127	1.2	43	12	95	35	1	68	10
9SBIL128	2.5	16	22	72	44	1	105	5
9SBIL129	2.3	24	5	94	43	2	89	5
9SBIL130	1.3	25	8	89	38	1	58	5
9SBIL131	2.0	25	5	97	43	1	66	5
9SBIL132	1.4	18	9	112	45	1	76	5
9SBIL133	.1	15	15	5	1	1	14	5
9SBIL134	1.1	62	17	7	16	5	14	5
9SBIL135	2.0	7	276	50	44	1	106	5
9SBIL136	3.5	26	40	36	35	1	81	5

COMP: MINNOVA INC.
PROJ: CHINOOK MTN. 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0892-RL1
DATE: AUG-22-89
* TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9SBIL122	16.55	.020	6.11	9.45	.26	8.94	.19	4.07	.19	47.72	.98	.03	94.50
9SBIL123	16.06	.030	11.43	13.56	.36	5.18	.23	2.13	.24	44.42	1.39	.02	95.05
9SBIL124	16.16	.015	11.25	8.78	.27	10.08	.20	2.05	.25	44.47	.71	.01	94.25
9SBIL125	16.15	.005	10.31	11.16	.01	6.27	.22	2.30	.23	44.81	1.20	.02	92.66
9SBIL126	14.47	.010	8.58	10.58	.54	6.52	.21	2.44	.20	45.84	1.10	.01	90.48
9SBIL127	15.55	.005	7.01	9.02	.01	8.37	.23	4.25	.20	49.33	.77	.01	94.74
9SBIL128	18.23	.010	9.09	12.32	.35	6.33	.24	2.15	.21	42.91	1.37	.01	93.21
9SBIL129	16.56	.005	6.59	11.28	.01	9.90	.20	3.11	.21	44.71	1.23	.01	93.80
9SBIL130	17.25	.005	10.66	8.79	.01	9.81	.17	2.09	.24	44.37	.74	.03	94.15
9SBIL131	16.56	.005	11.63	10.28	.01	7.74	.19	1.88	.24	44.09	1.08	.02	93.72
9SBIL132	17.33	.005	9.05	10.37	.01	8.73	.19	2.13	.22	45.25	1.07	.01	94.35
9SBIL133	1.78	.005	.01	.65	.30	.13	.02	.01	.01	95.26	.08	.03	98.28
9SBIL134	.21	.005	53.26	.28	.01	.23	.28	.01	.31	1.17	.01	.01	55.76
9SBIL135	15.81	.110	5.83	12.77	1.31	5.99	.22	2.98	.19	43.99	2.07	.09	91.37
9SBIL136	15.59	.015	9.28	12.44	.25	6.16	.22	3.32	.22	45.31	2.02	.02	94.85

MIN-EN LABORATORIES [redacted]

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

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

Assay Certificate

9V-0812-RA1

Company: MINNOVA INC.
Project: 245 BIERE
Attn: I.PIRIE/D.HEBERLEIN

Date: AUG-10-89
Copy 1. MINNOVA INC., VANCOUVER, B..C
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 30 ROCK samples submitted AUG-02-89 by JIM FOFONOFF.

Sample Number	LOI %
9TBIL114	3.60
9TBIL115	6.00
9TBIL116	3.55
9TBIL117	3.40
9TBIL118	2.55
9TBIL119	5.10
9TBIL120	6.00
9TBIL121	5.70
9TBIL122	5.10
9TBIL123	6.70
9TBIL124	5.05
9TBIL125	17.70
9TBIL126	7.80
9TBIL127	7.10
9TBIL128	3.95
9TBIL129	3.60
9TBIL130	1.15
9TBIL131	1.05
9TBIL132	.70
9TBIL133	.80
9TBIL134	.15
9TBIL135	6.70
9TBIL136	4.40
9TBIL137	1.56
9TBIL138	.15
9TBIL139	1.35
9TBIL140	5.30
9TBIL141	5.30
9TBIL142	8.90
9TBIL143	6.70

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted]

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

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

Assay Certificate

9V-0812-RA2

Company: MINNOVA INC.
Project: 245 BIERE
Attn: I.PIRIE/D.HEBERLEIN

Date: AUG-10-89
Copy 1. MINNOVA INC., VANCOUVER, B..C
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 6 ROCK samples submitted AUG-02-89 by JIM FOFONOFF.

Sample Number	LOI %
9TBIL144	5.65
9TBIL145	9.80
9TBIL146	13.50
9TBIL147	15.80
9TBIL148	6.05
9TBIL149	6.70

Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
PROJ: 245 BIERE
ATTN: D.HEBERLEIN/I.PIRIE

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0812-RJ1+2
DATE: AUG-10-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TBIL114	2.9	1	18	91	48	1	110	5
9TBIL115	2.3	1	14	145	64	3	97	5
9TBIL116	3.3	1	49	72	52	2	80	5
9TBIL117	3.0	1	26	119	49	3	87	5
9TBIL118	2.0	10	20	56	40	1	46	5
9TBIL119	2.3	1	14	122	59	3	89	5
9TBIL120	2.6	1	25	135	59	1	127	10
9TBIL121	3.0	1	13	125	64	4	81	5
9TBIL122	3.2	1	38	136	62	2	115	5
9TBIL123	2.9	1	17	75	47	1	108	5
9TBIL124	3.1	1	25	174	52	3	107	5
9TBIL125	1.1	5	15	44	53	7	42	5
9TBIL126	.5	1	45	92	57	3	131	5
9TBIL127	2.8	1	49	95	55	3	102	5
9TBIL128	2.7	11	16	71	41	1	65	5
9TBIL129	3.2	1	18	74	58	1	93	5
9TBIL130	.4	18	14	7	11	1	2	10
9TBIL131	.4	20	12	8	6	1	8	5
9TBIL132	.5	30	13	6	7	1	7	5
9TBIL133	.4	22	22	8	4	1	2	5
9TBIL134	.2	14	56	5	8	1	14	10
9TBIL135	.9	1	96	44	56	1	107	5
9TBIL136	3.9	2	35	69	51	3	84	5
9TBIL137	.3	12	38	94	17	1	23	5
9TBIL138	.6	25	52	30	51	1	25	5
9TBIL139	.5	32	50	44	12	1	38	5
9TBIL140	3.8	1	22	88	70	4	108	5
9TBIL141	3.1	1	33	101	59	1	113	5
9TBIL142	1.3	1	39	50	51	1	119	5
9TBIL143	2.6	1	20	54	57	1	93	5
9TBIL144	2.2	1	18	142	40	1	119	5
9TBIL145	1.4	1	50	22	39	1	122	5
9TBIL146	.7	2	11	98	34	1	75	10
9TBIL147	.9	1	58	68	36	5	84	5
9TBIL148	.8	13	167	16	9	1	40	5
9TBIL149	.8	16	108	15	7	1	48	5

COMP: MINNOVA INC.
PROJ: 245 BIERE
ATTN: D.HEBERLEIN/I.PIRIE

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0812-RL1+2
DATE: AUG-10-89
* TYPE ROCK GEOCHEM * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TBIL114	17.09	.005	11.57	13.08	.03	4.77	.19	1.46	.21	45.49	1.27	.01	95.18
9TBIL115	16.56	.005	7.22	11.61	.02	9.16	.20	2.49	.16	44.36	.96	.02	92.76
9TBIL116	17.54	.020	7.02	10.95	.38	7.65	.16	3.31	.22	46.94	1.48	.01	95.68
9TBIL117	16.47	.010	8.41	12.43	.13	8.17	.20	2.58	.19	45.61	1.30	.01	95.51
9TBIL118	15.27	.005	12.02	10.42	.06	8.58	.18	1.73	.16	46.65	.87	.02	95.96
9TBIL119	15.54	.005	4.39	9.39	.08	8.32	.17	4.44	.19	50.54	.90	.01	93.97
9TBIL120	15.98	.005	7.45	12.33	.03	6.62	.19	2.58	.17	46.39	1.13	.01	92.90
9TBIL121	15.75	.005	6.72	11.42	.04	7.21	.19	3.77	.19	46.70	1.19	.02	93.20
9TBIL122	17.17	.010	6.45	12.94	.44	7.59	.20	2.51	.19	45.08	1.27	.02	93.87
9TBIL123	15.67	.005	10.95	12.14	.16	5.53	.20	2.04	.20	44.28	1.11	.02	92.33
9TBIL124	17.08	.005	9.12	13.35	.37	6.19	.20	2.69	.17	43.23	1.32	.01	93.75
9TBIL125	12.79	.010	11.48	10.03	1.41	4.15	.17	2.39	.16	37.82	.94	.01	81.35
9TBIL126	16.41	.015	4.14	13.49	1.09	6.99	.18	2.34	.25	44.89	1.23	.01	91.02
9TBIL127	16.92	.020	6.64	12.54	1.60	6.00	.17	3.05	.19	43.71	1.27	.02	92.13
9TBIL128	16.56	.005	11.30	11.88	.15	6.88	.20	1.98	.22	44.43	1.23	.01	94.85
9TBIL129	16.22	.005	9.14	13.03	.06	6.76	.22	2.62	.19	45.77	1.31	.01	95.32
9TBIL130	1.27	.005	.01	.67	.48	.23	.01	.02	.09	95.37	.06	.01	98.20
9TBIL131	1.56	.005	.01	1.12	.45	.13	.01	.02	.10	94.58	.07	.01	98.04
9TBIL132	1.71	.005	.01	.84	.44	.09	.01	.01	.09	95.31	.08	.06	98.64
9TBIL133	1.75	.005	.01	.74	.54	.16	.02	.01	.09	94.91	.07	.01	98.29
9TBIL134	1.85	.015	.48	1.70	.48	.48	.06	.01	.14	93.76	.12	.02	99.10
9TBIL135	16.81	.060	2.70	11.73	1.64	7.10	.20	2.78	.28	47.28	1.93	.03	92.55
9TBIL136	15.53	.005	11.45	12.53	.04	6.45	.20	2.08	.25	44.49	1.67	.02	94.72
9TBIL137	6.87	.020	.01	1.69	1.87	.49	.01	.06	.16	85.96	.31	.01	97.46
9TBIL138	1.85	.010	.01	1.16	.53	.14	.01	.02	.11	94.92	.08	.07	98.90
9TBIL139	2.64	.010	.01	2.57	.84	.28	.02	.01	.35	90.85	.11	.02	97.69
9TBIL140	15.60	.005	7.18	11.87	.08	9.27	.22	2.20	.29	45.53	1.48	.02	93.74
9TBIL141	15.98	.010	8.25	12.15	.43	5.97	.18	2.43	.21	46.80	1.18	.01	93.60
9TBIL142	16.46	.020	6.83	12.06	2.05	5.11	.15	2.51	.23	43.66	1.24	.01	90.32
9TBIL143	15.89	.005	8.90	12.08	.19	5.58	.19	2.90	.21	45.13	1.17	.01	92.24
9TBIL144	16.21	.010	5.67	11.85	.10	6.43	.20	3.86	.05	47.61	1.17	.02	93.17
9TBIL145	14.37	.050	9.20	10.54	1.58	6.90	.17	.91	.02	44.19	1.08	.01	89.03
9TBIL146	13.38	.005	13.56	9.03	.41	4.05	.18	3.58	.06	40.52	.98	.01	85.76
9TBIL147	13.19	.080	10.76	9.80	3.35	4.89	.16	.04	.02	39.84	.92	.02	83.08
9TBIL148	15.36	.180	5.82	4.24	3.26	1.21	.05	2.10	.01	60.35	.42	.01	93.00
9TBIL149	15.85	.110	5.91	4.57	3.29	1.18	.08	2.53	.01	58.56	.45	.02	92.56

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0766-RJ1
DATE: AUG-03-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
BCD22851	.6	15	619	136	123	2	220	10
BCD22852	.2	5	423	72	27	1	66	5
BCD22853	.5	5	377	108	34	2	36	5
BCD22854	.4	1	276	74	26	1	90	5
BCD22855	3.0	24	284	24	42	2	66	5
BCD22856	2.8	26	600	15	49	2	65	5
BCD22857	3.0	26	268	17	37	3	69	5
BCD22858	1.0	17	431	59	60	1	90	5
BCD22859	1.1	19	286	36	25	1	108	5
BCD22860	1.5	9	294	60	26	1	197	10
BCD22861	1.5	29	279	34	51	1	65	5

COMP: MINNOVA INC.
PROJ: CM 244
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0766-RL1
DATE: AUG-03-89
* TYPE ROCK GEOCHEM * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
BCD22851	9.78	.380	1.26	4.07	2.43	2.46	.29	.01	.16	73.20	.49	.82	95.32
BCD22852	6.99	.395	.62	2.46	2.61	1.51	.22	.01	.01	81.19	.37	.44	96.83
BCD22853	9.70	.340	.22	3.84	2.45	2.58	.38	.01	.01	75.74	.49	.57	96.32
BCD22854	6.76	.215	1.72	2.75	1.63	.88	.18	.01	.01	81.52	.37	.69	96.72
BCD22855	14.32	.060	10.29	9.85	.14	7.27	.21	3.54	.09	46.82	1.45	.04	94.09
BCD22856	13.69	.080	11.81	9.81	.12	7.42	.20	2.88	.09	45.15	1.39	.06	92.70
BCD22857	14.44	.070	10.90	9.76	.17	6.77	.18	3.44	.10	46.71	1.44	.04	94.03
BCD22858	9.44	.290	1.18	3.49	1.98	2.28	.37	2.39	.01	73.51	.44	.52	95.89
BCD22859	4.68	.100	12.49	1.82	1.04	1.40	.19	.40	1.20	67.15	.29	.48	91.25
BCD22860	6.52	.155	9.43	2.42	1.76	1.65	.11	.07	.56	68.17	.38	.70	91.93
BCD22861	12.19	.145	4.99	7.25	1.08	5.44	.25	1.17	.06	58.38	1.11	.49	92.56

COMP: MINNOVA INC.
PROJ: 645 BIERE
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0749-RJ1
DATE: JUL-28-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TBIL056	3.7	33	26	97	56	1	87	5
9TBIL057	.6	28	33	29	34	1	34	5
9TBIL058	.2	1	46	12	24	1	16	5
9TBIL059	.2	1	25	18	5	1	26	10
9TBIL060	.2	6	14	19	6	1	10	5
9TBIL061	.2	1	43	11	12	1	11	5
9TBIL062	2.8	1	7	5	100	24	22	15
9TBIL063	1.3	22	21	111	59	3	91	5
9TBIL064	1.5	56	44	65	58	4	85	5
9TBIL065	.5	10	22	10	19	1	24	5
9TBIL067	.8	11	37	5	20	1	7	10
9TBIL068	.6	8	30	22	10	1	11	5
9TBIL069	.8	3	30	5	10	1	3	5
9TBIL070	3.8	46	18	112	62	5	83	5
9TBIL071	.3	8	17	13	7	1	12	5
9TBIL072	.3	4	22	9	6	1	15	5
9TBIL073	.1	1	14	11	4	1	6	10
9TBIL074	.3	7	15	16	6	1	16	5
9TBIL075	.6	10	41	12	38	1	24	5
9TBIL076	.4	5	15	19	6	1	13	5
9TBIL077	.4	6	20	7	13	1	22	5
9TBIL078	1.0	14	43	5	19	2	3	5

COMP: MINNOVA INC.
PROJ: 645 BIERE
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0749-RP2
DATE: JUL-28-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BA PPM	CU PPM	PB PPM	SB PPM	ZN PPM	AU PPB
9TBIT055	2.7	21	31	133	33	4	44	2
9TBIT066	.6	19	22	112	33	1	217	3

COMP: MINNOVA INC.
PROJ: 645 BIERE
ATTN: I.PIRIE/D.HEBERLEIN

MIN-EN LABS — ICP REPORT

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

FILE NO: 9V-0749-RL1
DATE: JUL-28-89
* TYPE ROCK GEOCHEM * (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SIO2 %	TIO2 %	S %	TOT(%)
9TBIL056	15.17	.010	11.81	12.35	.26	6.80	.20	2.43	.09	44.13	1.25	.01	94.51
9TBIL057	4.04	.015	.01	2.11	1.12	.68	.01	.08	.01	88.76	.23	.01	97.08
9TBIL058	1.58	.015	.01	1.28	.43	.25	.11	.04	.01	94.38	.08	.01	98.18
9TBIL059	2.90	.010	.01	1.36	1.00	.19	.02	.01	.01	92.44	.12	.01	98.05
9TBIL060	1.71	.005	.01	.75	.55	.11	.02	.01	.01	95.21	.06	.01	98.42
9TBIL061	1.88	.010	.01	.81	.63	.15	.07	.01	.01	94.51	.09	.02	98.15
9TBIL062	.03	.005	33.51	1.39	.01	14.71	.04	.01	.18	5.25	.01	.01	55.11
9TBIL063	15.57	.010	6.13	9.67	.27	6.99	.16	3.82	.01	46.91	.61	.01	90.15
9TBIL064	12.19	.030	7.92	9.69	1.54	4.36	.28	1.08	.01	51.45	.86	.01	89.41
9TBIL065	2.22	.005	.01	.81	.79	.26	.01	.01	.01	93.49	.10	.01	97.71
9TBIL067	2.31	.010	.01	.86	.92	.31	.01	.01	.01	94.24	.12	.04	98.81
9TBIL068	2.26	.010	.01	.89	.83	.22	.01	.01	.01	93.36	.10	.01	97.68
9TBIL069	1.85	.005	.01	.40	.67	.26	.01	.01	.01	94.40	.09	.01	97.68
9TBIL070	15.68	.005	10.18	10.62	.15	9.48	.19	2.64	.09	42.71	1.02	.01	92.76
9TBIL071	2.28	.005	.01	1.00	.53	.24	.01	.01	.01	94.28	.11	.01	98.47
9TBIL072	1.77	.005	.01	.84	.52	.15	.01	.01	.01	94.98	.08	.01	98.35
9TBIL073	1.53	.005	.01	.70	.46	.10	.01	.01	.01	95.63	.05	.01	98.50
9TBIL074	1.69	.005	.01	.74	.59	.13	.05	.01	.01	94.98	.06	.02	98.25
9TBIL075	3.89	.015	.01	1.18	1.28	.35	.01	.01	.01	91.59	.18	.01	98.50
9TBIL076	1.39	.005	.01	.93	.45	.11	.02	.01	.01	95.11	.06	.02	98.09
9TBIL077	1.30	.005	.01	.70	.44	.10	.02	.01	.01	96.16	.06	.02	98.82
9TBIL078	1.75	.010	.01	.55	.64	.19	.01	.01	.01	94.87	.12	.03	98.17

MIN-EN LABORATORIES

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

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

Assay Certificate

9V-0664-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN (244)
Attn: I.PIRIE/D.HEBERLEIN

Date: JUL-19-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 4 ROCK samples submitted JUL-12-89 by T.CLARKE.

Sample Number	LOI %
9TCML025	3.75
9TCML027	2.70
9TCML028	1.30

Certified by

MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted].

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

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

Assay Certificate

9V-0526-RA1

Company: MINNOVA INC.
Project: CHINOOK MTN (#244)
Attn: I.PIRIE/D.HEBERLEIN

Date: JUN-26-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 17 ROCK samples submitted JUN-19-89 by T.CLARKE.

Sample Number	LOI %
9TCHL006	3.95
9TCHL007	2.25
9TCHL008	2.30
9TCHL009	2.40
9TCHL010	3.60
9TCHL011	1.60
9TCHL012	3.50
9TCHL013	4.20
9TCHL014	3.50
9TCHL015	3.20
9TCHL016	3.10
9TCHL017	3.50
9TCHL018	2.50
9TCHL020	3.55
9TCHL021	3.75
9TCHL023	3.60
9TCHL024	3.75

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted]

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

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

Assay Certificate

9V-0472-RA1

Company: MINNOVA INC.
Project: CM 244
Attn: I.PIRIE/D.HEBERLEIN

Date: JUN-14-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Assay of 1 ROCK samples submitted JUN-11-89 by T.CLARKE.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
9TCHMA005	6.150	.01	.24	22.4	.65	3.00	.088

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES [redacted].

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

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

Geochemical Analysis Certificate

9V-0472-RG1

Company: MINNOVA INC.
Project: CM 244
Attn: I.PIRIE/D.HEBERLEIN

Date: JUN-14-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., BARRIERE, B.C.

We hereby certify the following Geochemical Analysis of 1 ROCK samples submitted JUN-11-89 by T.CLARKE.

Sample Number	HG PPB	AS PPM
9TCHMA005	2000	40

Certified by _____

MIN-EN LABORATORIES