



MIN-EN LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

826095

maggie

92G/11E,
10W

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-1355-RA2

Company: MINNOVA INC.
Project: MAGGIE 618
Attn: C. BURGE

Date: OCT-25-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 4 ROCK samples submitted OCT-17-89 by R.KNIGHT.

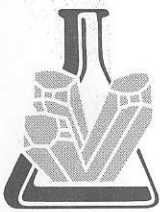
Sample Number	LDI %
23429	1.45
23433	1.80
23436	2.20
23440	5.00

RECEIVED
OCT 26 1989
Ans'd

Certified by

[Handwritten Signature]

MIN-EN LABORATORIES



MINERAL ENVIRONMENTS 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

Geochemical Analysis Certificate

9V-1355-RG1

Company: MINNOVA INC.
Project: MAGGIE 618
Attn: C. BURGE

Date: OCT-22-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 6 ROCK samples submitted OCT-17-89 by R. KNIGHT.

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU-FIRE PPB
23427	12	2520	2470	0.3	2
23428	13	520	1080	0.2	4
23430	16	295	472	0.4	3
23431	575	82	820	1.4	158
23435	100	149	1800	0.8	35
23437	87	223	900	0.4	76

RECEIVED
OCT 26 1989
Ans'd

Certified by *C. Burge*
MIN-EN LABORATORIES



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-1355-RA1

Company: MINNOVA INC.
Project: MAGGIE 618
Attn: C. BURGE

Date: OCT-20-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 2 ROCK samples submitted OCT-17-89 by R.KNIGHT.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	BA %
23438	.096	.01	.38	2.1	.06	.59	.017	.01
23441	.560	.01	.02	5.7	.17	.03	.001	

RECEIVED
OCT 26 1989

Certified by *R. Knight*
MIN-EN LABORATORIES



MINERAL ENVIRONMENTAL SERVICES
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

Geochemical Analysis Certificate

9V-1352-RG2

Company: MINNOVA INC.
 Project: 618
 Attn: C. BURGE

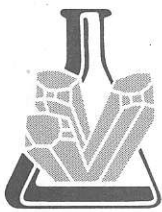
Date: OCT-21-89
 Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 1 ROCK samples submitted OCT-16-89 by C. BURGE.

Sample Number	AU-FIRE PPB	AG PPM	CU PPM	PB PPM	ZN PPM
23464	2	0.5	13	8	50

RECEIVED
 OCT 26 1989
 Ans'd

Certified by *C. Burge*
 MIN-EN LABORATORIES



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-1352-RA1

Company: MINNOVA INC.
Project: 618
Attn: C. BURGE

Date: OCT-25-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 11 ROCK samples submitted OCT-16-89 by C. BURGE.

Sample Number	LOI %
23451	2.70
23452	2.80
23453	3.10
23456	2.00
23457	.55
23458	4.60
23459	1.90
23460	2.10
23461	1.25
23462	1.70
23463	1.10

RECEIVED

OCT 26 1989

Certified by _____

MIN-EN LABORATORIES



MINERAL ENVIRONMENTS 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-1321-RA2

Company: MINNOVA INC.
Project: MAGGIE 61B
Attn: C.BURGE

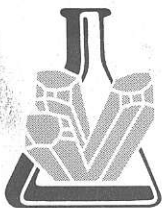
Date: OCT-25-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

He hereby certify the following Assay of 12 ROCK samples submitted OCT-13-89 by C.BURGE.

Sample Number	LOI %
23406	1.55
23407	3.70
23408	1.70
23409	.85
23410	1.10
23411	1.80
23424	1.40
23434	1.60
23439	3.60
23443	3.30
23444	.80
23445	2.20

RECEIVED
OCT 26 1989
Asst.

Certified by *C. Burge*
MIN-EN LABORATORIES



**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-1321-RA1

Company: MINNOVA INC.
Project: MAGGIE 618
Attn: C. BURGE

Date: OCT-18-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 4 ROCK samples submitted OCT-13-89 by C. BURGE.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
23416	.098	1.16	3.48	14.2	.41	.32	.009
23422	.720	.39	2.19	11.7	.34	1.31	.038
23425	.262	.03	1.18	6.5	.19	.19	.006
23432	.046	.01	1.10	1.8	.05	.03	.001

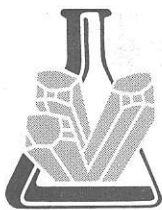
RECEIVED

OCT 26 1989

Insd

Certified by _____

MIN-EN LABORATORIES



MINERAL ENVIRONMENTAL SERVICES
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

Geochemical Analysis Certificate

9V-1321-RG2

Company: MINNOVA INC.
 Project: MAGGIE 618
 Attn: C. BURGE

Date: OCT-20-89
 Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 16 ROCK samples submitted OCT-13-89 by C. BURGE.

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU-FIRE PFB	BA PPM
23412	12	680	1640	1.8	19	
23414	1000	395	1550	7.5	415	
23415	72	199	662	2.6	32	
23417	675	1050	5000	3.1	80	
23418	48	495	4000	1.5	30	
23419	380	675	4200	1.2	69	
23420	236	1600	4900	25.0	93	
23421	250	275	1600	1.1	38	
23423	52	69	1640	0.5	29	
23426	16	89	1590	0.7	13	
23442	86	19	155	0.9	16	
23443					28	
23444					4	
23445					2	
23446	46	45	765	1.8	2	410
23447	68	35	187	4.5	9	

RECEIVED
 OCT 26 1989
 Ans'd

RE
 OCT
 Ans'd

Certified by

Ben Jones

MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTAL
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-1250-RA1

Company: MINNOVA INC.
Project: 618 MAGGIE
Attn: C.BURGE

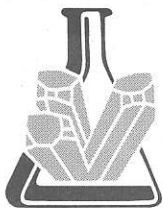
Date: OCT-14-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 6 ROCK samples submitted SEP-30-89 by C.BURGE.

Sample Number	LDI %
23397	2.50
23398	2.05
23399	2.30
23401	2.40
23404	3.30
23405	.95

RECEIVED
OCT 20 1989
Ans'd

Certified by *C. Burge*
MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTAL
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

Geochemical Analysis Certificate

9V-1250-RG2

Company: MINNOVA INC.
Project: 618 MAGGIE
Attn: C.BURGE

Date: OCT-05-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 11 ROCK samples submitted SEP-30-89 by C.BURGE.

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU-FIRE PPB	BA PPM
23389	2370	17	258	0.2	268	1570
23390	27	11	324	0.3	6	1540
23391	91	14	115	0.5	14	1740
23392	1095	26	409	1.5	702	1800
23393	595	19	2360	0.9	71	1840
23394	188	24	1380	0.6	40	1700
23395	225	25	1720	0.3	38	1940
23396	2744	475	5550	5.0	435	1200
23400	61	76	2295	0.9	3	750
23402	40	19	1940	0.3	1	
23403	6	16	213	0.3	4	

RECEIVED

OCT 20 1989

Ans'd

Certified by

MIN-EN LABORATORIES

COMP: MINNOVA INC.
 PROJ: 618 MAGGIE
 ATTN: 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: 9V-1250-RL1
 DATE: OCT-14-89
 * TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	P2O5 %	SI02 %	TIO2 %	S %	TOT(%)
23397	13.54	.260	.33	2.39	5.37	1.74	.12	.28	.07	71.75	.24	.31	96.40
23398	7.23	.130	.21	1.85	2.71	1.09	.10	.12	.06	82.96	.13	.56	97.14
23399	14.16	.075	.17	1.56	3.76	2.23	.11	.90	.05	73.79	.22	.04	97.08
23401	18.16	.225	.86	5.53	4.54	3.64	.38	2.93	.12	59.24	.74	.25	96.60
23404	15.79	.110	.26	5.56	4.43	2.41	.15	.41	.09	65.71	.51	1.38	96.83
23405	17.20	.055	2.33	4.67	1.95	1.71	.13	6.00	.11	63.56	.59	.02	98.33

OCT 20 1989
 And



Assay Certificate

9V-1232-RA1

Company: MINNOVA INC.
Project: MAGGIE 618
Attn: C. BURGE

Date: OCT-07-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 26 ROCK samples submitted SEP-26-89 by COLIN BURGE.

Sample Number	LOI %
23358	.25
23362	.80
23363	.45
23364	1.20
23365	.80

23366	2.70
23367	.80
23368	2.20
23369	2.70
23370	.80

23371	1.00
23372	.95
23373	1.70
23374	2.10
23375	4.10

23376	2.40
23377	3.10
23378	1.35
23379	1.60
23380	.90

23381	3.10
23382	2.05
23383	2.10
23384	2.50
23386	2.40

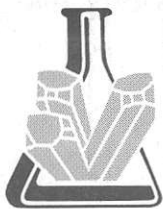
23388	2.60

RECEIVED

OCT 12 1989

 Ans'd

Certified by *Colin Burge*
MIN-EN LABORATORIES



**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

Geochemical Analysis Certificate

9V-1232-RG2

Company: MINNOVA INC.
Project: MAGGIE 618
Attn: C. BURGE

Date: OCT-05-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 2 ROCK samples submitted SEP-26-89 by COLIN BURGE.

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU-FIRE PPB	AS PPM	SB PPM
23385	12	440	1945	0.8	7	1	1
23387	249	565	1890	4.3	45		

RECEIVED
OCT 12 1989
Ans'd

Certified by *Colin Burge*

MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTS
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-1135-RA1

Company: MINNOVA INC.
Project: 618
Attn: COLIN BURGE

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

We hereby certify the following Assay of 10 ROCK samples submitted SEP-16-89 by COLIN BURGE.

Sample Number	LOI %
23351	1.10
23352	1.00
23353	1.90
23354	1.70
23355	1.40

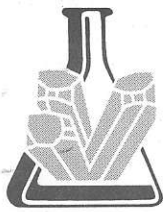
23356	1.40
23357	.55
23359	.85
23360	.60
23361	.60

RECEIVED

SEP 25 1989

Certified by _____

MIN-EN LABORATORIES



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-1088-RA1

Company: MINNOVA INC.
 Project: INT. MAGGIE 618
 Attn: COLIN BURGE

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

We hereby certify the following Assay of 24 ROCK samples submitted SEP-08-89 by C. BURGE.

Sample Number	LOI %
23326	1.00
23327	1.20
23328	1.65
23329	1.05
23330	1.70

23331	3.80
23332	.95
23333	.80
23334	1.70
23335	4.40

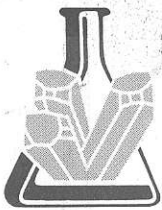
23336	1.30
23337	1.60
23338	1.60
23339	1.70
23340	1.15

23341	1.60
23342	1.30
23343	1.00
23344	1.70
23345	.35

23346	.60
23347	1.10
23349	2.10
23350	2.00

RECEIVED
 SEP 21 1989
 Ans'd

Certified by *Colin Burge*
 MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTAL
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

Geochemical Analysis Certificate

9V-1088-RG2

Company: MINNOVA INC.
Project: INT. MAGGIE 618
Attn: COLIN BURGE

Date: SEP-15-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 1 ROCK samples submitted SEP-08-89 by C. BURGE.

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU-FIRE PPB
23348	88	9	2460	0.7	156

RECEIVED
SEP 21 1989
And'd

Certified by _____

MIN-EN LABORATORIES



MIN-EN LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTAL
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

RECEIVED
DEC 4 1989

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-1044-PG1

Company: MINNOVA INC.
Project: 618
Attn: COLIN BURGE

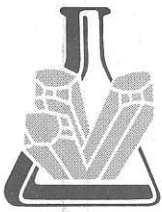
Date: NOV-30-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 4 PAN CONCENTRATE samples submitted NOV-27-89 by COLIN BURGE.

Sample Number	AU-FIRE	PPB
IRHM89200 (-40+80)	1	
IRHM89201 (-40+80)	2	
IRHM89200 (-80)	4	
IRHM89201 (-80)	12	

Certified by

MIN-EN LABORATORIES



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

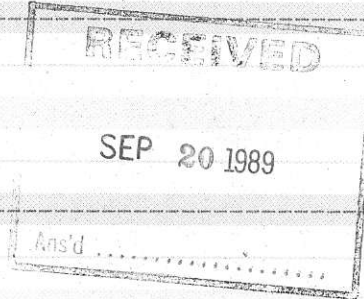
9V-1044-RA1

Company: MINNOVA INC.
Project: 618
Attn: COLIN BURGE

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

We hereby certify the following Assay of 14 ROCK samples submitted AUG-31-89 by COLIN BURGE.

Sample Number	LOI %
CLC89001	1.90
CLC89002	.55
CLC89003	2.60
CLC89004	1.20
CLC89005	.60
CLC89006	4.30
CLC89007	1.90
CLC89008	2.60
CLC89009	1.45
CLC89010	1.80
CLP89001	2.00
CLP89002	.50
CLP89003	1.20
CLP89004	2.80



Certified by _____

MIN-EN LABORATORIES

COMP: MINNOVA INC.
 PROJ: 618
 ATTN: 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: 9V-1044-RL1
 DATE: SEP-16-89
 * TYPE ROCK GEOCHEM * (ACT:FIRE)

SAMPLE NUMBER	AL2O3 %	BAT %	CAO %	FE2O3 %	K2O %	MGO %	MNO2 %	NA2O %	SI02 %	TIO2 %	S %	TOT(%)
CLC89001	16.19	.130	.21	2.54	3.95	1.09	.07	4.92	67.60	.26	.09	97.10
CLC89002	15.93	.010	.11	.72	.01	.06	.03	9.07	72.26	.15	.01	98.38
CLC89003	14.62	.010	.07	1.37	.01	.16	.01	8.13	72.20	.17	.01	96.77
CLC89004	14.38	.040	.12	2.43	1.39	.82	.07	7.09	71.10	.19	.01	97.71
CLC89005	15.39	.010	.06	1.10	.39	.02	.03	8.94	72.27	.16	.23	98.62
CLC89006	14.04	.045	.36	4.71	2.33	2.48	.07	3.28	66.98	.48	1.65	96.54
CLC89007	14.54	.010	.53	3.11	.39	1.32	.10	7.26	69.31	.44	.29	97.39
CLC89008	14.26	.020	.26	4.18	1.07	1.99	.11	5.37	68.54	.44	.26	96.59
CLC89009	14.66	.050	.11	2.40	1.38	1.09	.07	6.45	71.15	.19	.01	97.60
CLC89010	11.20	.130	.05	2.19	2.33	1.01	.05	3.64	76.45	.16	.07	97.36
CLP89001	15.76	.075	.49	3.36	3.09	1.54	.07	5.17	66.90	.39	.04	96.96
CLP89002	15.02	.130	.01	1.01	9.36	.10	.02	1.28	71.63	.08	.09	98.73
CLP89003	15.74	.070	.25	2.47	2.70	.79	.05	6.31	68.93	.35	.04	97.75
CLP89004	15.21	.060	.36	2.03	3.04	2.51	.04	2.13	70.82	.25	.13	96.65

RECEIVED

 SEP 20 1989

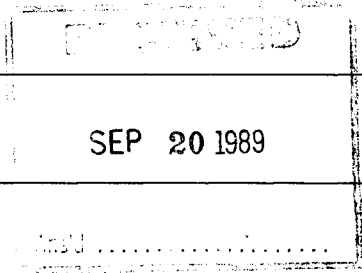
COMP: MINNOVA INC.
 PROJ: 618
 ATTN: COLIN BURGE

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

FILE NO: 9V-1044-HJ1
 DATE: SEP-14-89

* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	HG PPM
IRHM89200(-40+8)	.1	7010	1	1	21	.5	2	180	.3	8	5	16810	750	3	4750	532	2	60	2	190	21	1	1	1	1	20.6	26	1	1	1	1	5
IRHM89201(-40+8)	.1	13640	13	1	27	.7	3	430	.6	10	10	29830	920	4	9560	993	3	50	6	380	35	1	3	2	1	53.2	62	2	1	2	1	5
IRHM89200(-80)	.1	9720	1	1	36	.6	2	390	.1	10	7	19150	1210	4	4650	537	2	90	7	260	26	1	2	1	1	23.6	40	1	2	1	1	5
IRHM89201(-80)	.3	8610	5	1	19	.4	2	220	.6	5	10	13600	400	3	4760	302	2	50	4	340	18	1	2	1	1	25.9	43	2	1	1	1	35


 SEP 20 1989



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

Geochemical Analysis Certificate

9V-1043-RG2

Company: MINNOVA INC.
Project: INT. MAGGIE 618
Attn: COLIN BURGE

Date: SEP-11-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 11 ROCK samples submitted AUG-31-89 by COLIN BURGE.

Sample Number	CU PPM	PB PPM	ZN PPM	AG PPM	AU-FIRE PPB
23306	42	21	445	0.5	2
23307	77	180	6600	0.4	1
23308	14	96	675	0.6	2
23309	33	255	7600	0.6	5
23313	1100	42	465	3.7	242

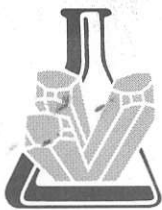
23314	24	1680	5400	2.1	120
23316	845	1410	4600	2.4	228
23317	795	139	3450	1.6	184
23318	520	57	7600	1.4	94
23319	365	220	540	1.2	80

23321	3950	38	101	2.8	27

RECEIVED
SEP 27 1989

Certified by _____

MIN-EN LABORATORIES



**MINNEN
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-1043-RA1

Company: MINNOVA INC.
Project: INT.MAGGIE 618
Attn: COLIN BURGE

Date: SEP-15-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

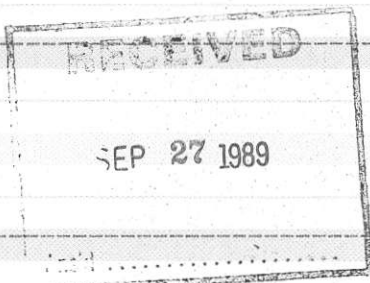
We hereby certify the following Assay of 16 ROCK samples submitted AUG-31-89 by COLIN BURGE.

Sample Number	LOI %
23305	1.45
23310	1.30
23311	1.60
23312	2.40
23315	3.25

23320	5.70
23322	3.00
23323	2.40
23324	1.60
23325	2.60

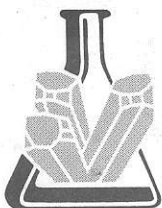
MMP8913	1.40
MMP8914	.95
MMP8915	2.70
MMP8916	1.00
MMP8917	.80

MMP8918	1.40



Certified by _____

MINNEN LABORATORIES



**MINERAL
• ENVIRONMENTAL
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

Geochemical Analysis Certificate

9V-1022-RG2

Company: MINNOVA INC.
Project: INTERNATIONAL MAGGIE 618
Attn: COLIN BURGE

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

We hereby certify the following Geochemical Analysis of ROCK samples submitted AUG-29-89 by COLIN BURGE.

Sample Number	AU-FIRE PFB	AG PPM	CU PPM	PB PPM	ZN PPM
23292	173	21.5	705	4800	8000
23293	174	13.2	625	4300	16500
23295	357	11.8	2900	590	8600
23296	2	1.1	62	520	2100
23297	13	1.3	41	765	5150
23298	2	0.9	51	465	2850
23299	24	1.4	165	525	2750
23300	1	0.6	93	330	1600
23304	30	1.3	111	2450	8150

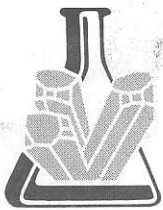
RECEIVED

SEP 14 1989

Ans'd

Certified by

MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTAL
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

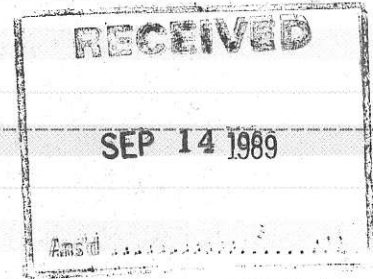
9V-1022-RA1

Company: MINNOVA INC.
Project: INTERNATIONAL MAGGIE 618
Attn: COLIN BURGE

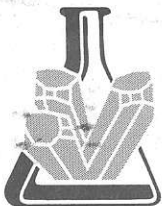
Date: SEP-02-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 1 ROCK samples
submitted AUG-29-89 by COLIN BURGE.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
23303	.009	.02	.19	0.2	.01	.02	.001



Certified by *Colin Burge*
MIN-EN LABORATORIES



**MINERAL
• 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

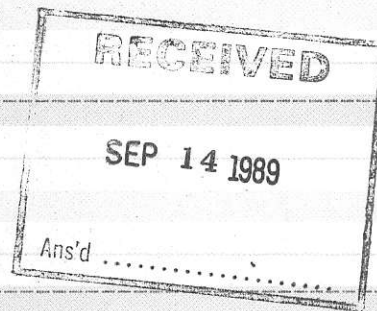
9V-1022-RA2

Company: MINNOVA INC.
Project: INTERNATIONAL MAGGIE 618
Attn: COLIN BURGE

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

We hereby certify the following Assay of 4 ROCK samples
submitted AUG-29-89 by COLIN BURGE.

Sample Number	LOI %
23290	2.20
23291	5.00
23294	1.75
23301	1.80



Certified by _____

Colin Burge

MIN-EN LABORATORIES

COMP: MINNOVA INC.
 PROJ: 618
 ATTN: COLIN BURGE

SEP 27 1989

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-1022-HJ1+2
 DATE: SEP-15-89
 * TYPE HUMUS * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	B PPM	BA PPM	BI PPM	CD PPM	CU PPM	MO PPM	NA PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
CHP001	.1	1	1	44	1	1.1	22	1	1520	125	2	67	1	295
CHP002	.1	1	1	40	1	.9	11	1	1750	100	1	81	2	290
CHP003	.1	1	1	78	1	1.4	19	1	2160	90	2	70	1	130
CHP004	.1	1	1	27	1	1.5	23	1	1930	167	1	69	5	195
CHP005	.1	1	1	10	1	.9	23	1	1460	97	1	57	2	265
CHP006	.1	2	1	17	1	.8	25	1	1850	123	1	72	6	140
CHP007	.1	14	1	33	10	1.7	22	1	840	128	2	75	7	205
CHP008	.1	13	1	28	1	.1	28	1	950	121	1	72	2	345
CHP009	.1	1	1	19	1	1.2	20	1	1010	134	1	57	3	295
CHP010	.1	1	1	18	1	1.2	22	1	680	134	1	64	2	305
CHP011	.1	1	1	59	1	.8	22	1	1180	142	1	57	6	240
CHP012	.1	1	1	42	1	1.2	30	1	780	125	1	60	1	250
CHP013	.1	1	1	15	1	.9	24	1	1200	127	1	75	2	265
CHP014	1.4	1	1	16	1	1.4	25	1	520	151	2	75	1	320
CHP015	.1	1	1	33	2	.2	14	1	770	25	1	48	3	200
CHP016	.1	1	1	44	1	.8	15	1	540	74	1	53	6	185
CHP017	.1	1	1	47	1	.1	23	1	860	77	1	48	3	255
CHP018	.1	1	1	40	1	.2	18	1	590	51	1	45	2	200
CHP019	.1	1	1	14	1	.9	23	1	1280	112	1	64	1	225
CHP020	.1	1	1	8	1	.5	17	1	1560	72	1	53	8	285
CHP021	.1	1	1	22	1	1.3	24	1	1110	129	1	56	2	235
CHP022	.1	8	1	24	1	.5	30	1	880	129	1	45	1	350
CHP023	.1	4	1	13	1	.8	36	1	440	116	2	58	7	405
CHP024	.1	1	1	23	1	1.0	20	1	290	112	1	50	6	240
CHP025	.1	1	1	38	1	.5	15	1	1400	115	1	91	3	165
CHP026	.1	1	1	35	1	.7	22	2	670	70	1	48	2	150
CHP027	.1	1	1	9	1	.9	19	1	2510	109	1	78	1	365
CHP028	.1	10	1	17	1	.8	22	1	1540	91	1	37	3	245
CHP029	.1	4	1	42	1	1.1	17	1	1820	82	1	60	2	210
CHP030	.1	1	1	26	1	.3	18	1	1610	111	1	48	1	175
CHP031	.1	11	1	75	2	.1	21	1	1210	143	2	60	3	320
CHP032	.1	14	1	27	2	.8	20	1	1870	112	3	52	2	310
CHP033	.1	10	1	11	2	.4	25	1	1360	90	2	44	1	305
CHP034	.1	15	1	19	2	.1	23	1	1820	118	3	48	5	365
CHP035	.2	17	1	24	3	.2	45	2	1560	196	3	61	2	375
CHP036	.1	16	1	12	2	.6	33	1	1800	218	3	38	4	330
CHP037	.2	21	1	35	2	.5	25	1	1480	163	3	55	1	340
CHP038	.1	12	1	59	3	.3	33	1	1200	90	1	33	2	205
CHP039	.1	10	1	8	2	.1	13	1	1670	53	2	27	4	700
CHP040	.3	6	1	61	2	.1	11	1	1580	109	1	49	3	320
CHP041	.1	11	1	19	2	.4	16	1	1450	65	3	27	2	340
CHP042	.1	15	1	15	2	.2	21	1	1420	134	3	32	6	420
CHP043	.3	5	1	22	2	.5	19	1	1340	74	2	23	2	320
CHP044	.1	5	1	61	2	.1	20	1	2060	99	2	42	1	310
CHP045	.1	6	1	17	2	.8	15	1	1370	90	2	37	5	320
CHP046	.2	12	1	13	2	.2	20	1	2430	77	2	53	2	355
CHP047	.1	10	1	12	2	.1	14	2	1530	75	2	31	1	345
CHP048	.1	7	1	9	1	.4	18	1	1270	76	2	29	1	420
CHP049	.3	11	1	39	3	.3	30	1	1640	137	3	32	3	310
CHP050	.1	15	1	8	3	.1	29	1	1750	76	2	28	1	310
CHP051	.1	27	1	37	3	.1	25	1	1680	136	3	40	2	350
CHP052	.1	12	1	15	2	.4	17	1	1580	69	2	37	2	360
CHP053	.1	16	1	7	2	.1	15	1	1240	68	3	33	1	250
CHP054	.1	9	1	8	3	.5	19	1	1550	80	2	38	2	260
CHP055	.1	1	1	25	3	.7	27	1	1080	78	2	39	1	340
CHP056	.1	4	1	32	4	.1	20	2	710	108	3	33	2	255
CHP057	.9	7	1	63	2	.3	22	1	1240	118	3	70	1	250
CHP058	.4	15	1	42	3	.4	16	1	1250	126	3	46	3	405
CHP059	.1	9	1	10	2	.4	16	1	1360	73	2	53	2	395
CHP060	.2	1	1	71	2	.2	17	1	1100	115	1	46	4	390

COMP: MINNOVA INC.
 PROJ: 618
 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: 9V-1022-HJ3+4
 DATE: SEP-15-89
 * TYPE HUMUS * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	B PPM	BA PPM	BI PPM	CD PPM	CU PPM	MO PPM	NA PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
CHP061	.1	2	1	10	2	.9	19	1	590	68	2	55	1	300
CHP062	.1	2	1	55	1	1.1	18	1	820	112	1	39	4	320
CHP063	.1	1	1	9	1	.8	20	1	780	88	1	35	2	620
CHP064	.1	1	1	41	2	1.0	19	1	1100	107	2	58	1	360
CHP065	.1	17	1	26	5	.5	49	1	880	155	2	46	1	355
CHA022	.1	14	1	27	2	.1	11	2	80	101	1	41	2	125
CHA031	.1	7	1	53	1	.1	6	3	70	28	1	34	1	245
CHA032	.1	8	1	41	1	.1	7	1	180	58	1	24	3	325
CHA036	.1	14	1	19	2	.3	24	1	1250	61	2	69	1	345
CHA042	.1	13	1	65	1	.2	14	1	130	131	1	43	2	300
CHA043	.1	1	1	76	1	.4	13	1	620	80	1	63	2	325
CHA060	.1	13	1	55	1	1.4	12	1	1520	70	2	87	1	295
CHA061	.1	10	1	36	1	.1	9	1	920	37	1	59	1	245
HA062	.1	3	1	53	1	.3	7	1	810	22	1	52	1	210
JHA065	.1	5	1	28	1	.2	13	1	720	69	1	70	3	360
CHA067	.1	12	1	34	1	1.3	13	1	200	88	2	88	4	285
CHA068	.1	7	1	12	1	.3	15	1	900	101	2	50	2	355
CHA070	.1	16	1	36	1	1.0	12	1	900	104	3	62	1	390
CHD001	.1	1	1	15	1	.1	3	1	640	6	1	18	1	100
CHD002	.1	3	1	20	1	.1	3	1	770	3	1	15	3	5
CHD003	.6	1	1	21	7	.1	7	1	790	20	1	37	1	25
CHD004	.1	2	1	35	1	1.0	5	1	840	3	1	57	2	75
CHD005	.1	12	1	13	2	.1	4	1	570	7	1	17	4	5
CHD006	.1	2	1	20	3	.1	3	1	830	4	1	15	3	5
CHD007	.1	1	1	16	6	.1	8	1	720	5	1	30	109	5
CHD008	.1	5	1	27	4	.4	9	1	650	7	1	31	4	10
CHD009	.1	6	1	17	1	.2	8	1	1150	45	1	58	5	305
CHD010	.1	1	1	30	2	.1	5	1	730	9	1	56	1	95
CHD011	.2	4	1	56	1	.2	8	1	800	22	1	59	2	295
CHD012	.1	25	1	25	3	.1	11	2	1090	59	1	87	1	205
CHD013	.3	1	1	32	1	.1	9	1	70	15	1	43	10	140
CHD014	.1	6	1	30	1	.9	6	1	510	14	1	47	2	90
CHD015	.1	1	1	65	1	1.3	6	1	900	8	1	77	4	190
CHD016	.1	1	1	17	2	.1	9	4	70	23	1	76	5	40
CHD017	.1	1	1	13	1	.1	3	1	150	4	1	15	3	35
CHD018	.1	1	1	30	1	.1	5	1	70	2	1	31	1	65
CHD019	.1	1	1	31	5	.1	7	2	70	4	1	31	2	5
CHD020	.1	1	1	20	2	.1	3	1	110	1	1	9	1	5
CHD021	.4	1	1	46	2	.1	6	1	90	2	1	35	2	95
CHD022	.1	9	1	16	3	.1	4	1	150	1	1	11	3	5
CHD023	1.2	1	1	27	2	.1	5	1	100	8	1	32	1	15
CHD024	.1	1	1	26	4	.1	8	2	90	14	1	48	2	5
CHD025	.1	1	1	42	4	.4	21	4	80	23	1	101	4	75
CHD026	.1	1	1	24	1	.1	5	1	80	4	1	28	1	85
CHD027	.1	1	1	27	1	.1	10	1	80	2	1	15	2	30
CHD028	.1	11	1	25	1	.1	10	1	720	35	1	43	4	290
CHD029	.1	13	1	35	1	.1	9	1	70	16	1	38	5	205
CHD030	.1	11	1	60	1	.1	7	1	90	7	1	47	3	70
CHD031	.1	1	1	22	1	.1	17	1	70	6	1	44	3	25
CHD032	.1	10	1	57	1	.5	5	1	520	6	1	25	2	20
CHD033	.1	1	1	100	1	.1	12	1	630	11	1	30	1	65
CHD034	.1	4	1	53	1	.6	6	1	1000	13	1	48	3	85
CHD035	.1	1	1	48	1	.1	15	1	90	27	1	47	2	140
CHD036	.1	1	1	21	1	.1	5	1	80	3	1	18	3	50
CHD037	.1	4	1	65	1	1.2	8	1	710	38	1	64	2	180
CHD038	.1	7	1	49	1	.1	4	1	120	3	1	36	4	50
CHD039	.1	2	1	103	1	.1	7	1	1240	23	1	69	5	110
CHD040	.1	1	1	25	2	.1	15	1	70	7	1	39	2	40
CHD041	.1	4	1	96	1	.1	4	1	70	6	1	55	1	10
CHD042	.1	6	1	52	1	.1	4	1	60	4	1	20	3	5

COMP: MINNOVA INC.
 PROJ: INTERNATIONAL MAGGIE 618
 ATTN: 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: 9V-1022-SJ1+2
 DATE: SEP-14-89
 * TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	B PPM	BA PPM	BI PPM	CD PPM	CU PPM	MO PPM	NA PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
CSD001	.6	18	1	34	5	.1	12	2	80	21	1	102	5	285
CSD002	.6	40	1	43	4	.1	18	3	70	28	1	76	2	275
CSD003	.8	18	1	59	6	.1	42	8	70	67	1	153	4	170
CSD004	.6	29	1	21	5	.1	12	5	70	19	1	86	2	290
CSD005	.6	26	1	22	3	.1	12	4	100	14	1	108	6	285
CSD006	.8	2	1	21	4	.1	7	1	110	10	1	31	3	235
CSD007	.7	1	1	40	6	.1	5	1	90	7	1	25	2	270
CSD008	.8	49	1	50	5	.1	35	1	80	15	1	72	5	375
CSD009	.7	21	1	37	4	.1	29	3	90	16	1	47	4	290
CSD010	.5	23	1	23	4	.1	29	1	100	22	1	62	2	310
CSD011	.6	49	1	24	6	.1	28	2	100	14	1	65	2	265
CSD012	.9	2	1	30	6	.1	22	2	90	18	1	67	1	320
CSD013	.3	2	1	15	4	.1	20	1	100	11	1	41	3	245
CSA001	.9	4	1	31	2	.1	5	1	140	9	1	34	1	375
CSA002	.5	8	1	29	4	.1	7	1	140	11	1	27	3	275
CSA003	2.2	12	1	28	1	.9	6	1	120	19	1	38	1	210
CSA004	1.1	1	1	33	8	.1	11	1	90	14	1	39	2	290
CSA005	.9	1	1	29	5	.1	8	2	160	9	1	34	5	230
CSA006	1.0	12	1	18	7	.1	10	2	180	14	1	29	2	245
CSA007	1.0	17	1	19	7	.1	10	1	170	9	1	46	4	290
CSA008	.7	11	1	28	4	.1	9	3	100	6	1	45	2	290
CSA009	1.1	13	1	43	8	.1	27	3	110	46	1	84	5	410
CSA010	.7	5	1	23	4	.1	8	2	80	7	1	28	4	520
CSA011	.9	12	1	37	7	.1	14	2	100	12	1	46	3	245
CSA012	.6	6	1	25	4	.1	6	1	80	10	1	32	2	295
CSA013	.6	10	1	15	6	.1	6	2	110	14	1	74	5	180
CSA014	.7	6	1	14	4	.1	6	1	130	10	1	24	1	395
CSA015	.4	9	1	20	2	.1	7	2	100	8	1	22	2	265
CSA016	.8	9	1	21	4	.1	6	2	120	12	1	44	4	295
CSA017	.4	3	1	29	2	.1	4	1	70	14	1	32	1	220
CSA018	.2	1	1	17	1	.1	4	1	110	6	1	16	3	25
CSA019	.2	12	1	63	3	.1	19	4	70	30	1	95	4	100
CSA020	.1	3	1	62	1	.1	7	1	120	14	1	68	1	105
CSA021	1.0	10	1	57	2	.2	6	1	150	28	1	45	3	70
CSA023	1.3	6	1	25	4	.1	7	1	160	5	1	29	2	30
CSA024	1.5	12	1	62	2	.9	9	2	100	26	2	66	1	105
CSA025	1.6	23	1	23	8	.1	13	2	70	14	4	48	5	65
CSA026	.6	1	1	26	7	.1	11	1	70	9	1	41	2	25
CSA027	.2	1	1	15	2	.1	2	1	80	1	1	18	4	30
CSA028	.5	1	1	18	3	.1	7	1	100	4	1	28	3	20
CSA029	.3	1	1	27	2	.1	2	1	120	3	1	12	2	30
CSA030	.7	5	1	34	4	.1	14	3	90	15	1	47	4	50
CSA033	1.1	5	1	26	5	.1	15	1	110	13	1	36	2	55
CSA034	1.5	13	1	11	17	.1	35	4	320	44	1	92	1	245
CSA035	.4	1	1	53	5	.1	36	4	120	45	1	94	16	155
CSA037	.5	4	1	33	2	.3	8	1	110	17	1	29	2	185
CSA038	1.3	1	1	48	8	.1	18	3	80	32	1	72	1	180
CSA039	.5	9	1	12	4	.1	8	1	110	4	1	28	3	35
CSA040	.4	1	1	147	1	.1	10	1	90	11	1	59	2	205
CSA041	.3	1	1	40	3	.1	8	1	80	7	1	31	4	45
CSA044	.6	1	1	33	3	.1	6	1	90	18	1	23	3	130
CSA045	.5	4	1	31	3	.1	9	2	90	7	1	22	4	40
CSA046	1.3	1	1	30	2	.1	11	2	80	13	1	37	3	145
CSA047	.3	3	1	31	3	.1	18	3	80	53	1	66	4	110
CSA048	.7	1	1	29	2	.1	9	1	100	16	1	23	2	125
CSA049	.6	1	1	29	3	.1	7	1	80	3	1	19	6	25
CSA050	.3	1	1	17	3	.1	8	1	70	5	1	27	2	30
CSA051	.3	1	1	15	3	.1	6	1	90	10	1	30	1	45
CSA052	.3	1	1	41	3	.1	9	1	80	8	1	42	4	75
CSA053	.4	1	1	14	4	.1	9	1	60	12	1	33	2	50

RECEIVED

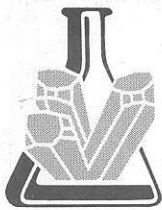
SEP 27 1989

COMP: MINNOVA INC.
 PROJ: INTERNATIONAL MAGGIE 618
 ATTN: 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: 9V-1022-SJ3+4
 DATE: SEP-14-89
 * TYPE SOIL GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	B PPM	BA PPM	BI PPM	CD PPM	CU PPM	MO PPM	NA PPM	PB PPM	SB PPM	ZN PPM	AU PPB	HG PPB
CSA054	.7	1	1	28	5	.1	16	1	60	36	1	77	5	105
CSA055	.3	1	1	29	2	.1	4	1	110	24	1	28	2	80
CSA056	.4	1	1	15	3	.1	7	1	70	4	1	23	1	10
CSA057	.7	1	1	39	2	.1	4	1	70	13	1	30	2	85
CSA058	1.0	2	1	32	2	.1	8	1	120	16	1	38	2	65
CSA059	.5	2	1	80	1	.5	6	1	90	5	1	52	1	80
CSA063	1.1	13	1	61	7	.1	30	5	100	35	1	139	1	65
CSA064	.7	1	1	16	3	.3	9	1	170	12	1	27	2	35
CSA066	.8	1	1	20	6	.1	31	1	80	23	1	59	1	85
CSA069	.6	3	1	23	4	.1	7	1	90	8	1	37	2	30
CSA071	.4	1	1	33	1	.1	8	1	100	10	1	40	3	210
CSA072	.5	4	1	20	3	.1	6	1	90	5	1	36	4	15
CSA073	.3	1	1	27	2	.1	6	1	90	8	1	27	1	65
CSA074	.2	4	1	26	2	.1	10	1	90	10	1	36	2	40
CSA075	.9	1	1	32	6	.1	20	1	80	17	1	54	2	70
CSC001	.9	1	1	30	1	.1	5	1	90	5	1	24	1	145
CSC002	.4	1	1	19	2	.1	5	1	110	6	1	22	1	10
CSC003	2.3	1	1	29	2	.1	12	1	1250	35	1	58	2	135
CSC004	.5	1	1	20	4	.1	5	1	70	2	1	27	1	45
CSC005	.2	1	1	74	1	.2	5	1	80	10	1	22	2	50
CSC006	.3	3	1	28	1	.3	6	1	70	10	1	37	2	90
CSC007	1.0	4	1	73	2	.2	6	1	180	12	1	28	3	60
CSC008	1.7	1	1	20	12	.1	7	1	120	24	1	21	5	80
CSC009	1.8	1	1	100	1	.7	7	1	80	14	1	35	2	90
CSC010	.6	1	1	30	2	.1	6	1	90	22	1	17	1	100
CSC011	.3	6	1	15	1	.4	4	1	80	13	1	31	2	125
CSC012	.5	1	1	20	3	.1	5	1	80	3	1	19	3	15
CSC013	.3	3	1	27	1	.4	6	1	110	19	1	37	2	110
CSC014	1.0	1	1	26	4	.1	12	1	60	11	1	33	1	100
CSC015	1.6	1	1	31	1	.9	5	1	70	14	1	29	3	85
CSC016	1.0	1	1	13	3	.1	1	1	80	6	1	9	2	50
CSC017	.6	3	1	17	4	.1	2	1	90	5	1	11	1	15
CSC018	.9	1	1	20	6	.1	7	1	130	4	1	28	3	30
CSC019	.9	1	1	19	5	.1	7	1	100	8	1	32	10	40
CSC020	.6	1	1	13	1	.1	1	1	90	5	1	11	1	90
CSC021	.7	3	1	24	3	.1	6	1	110	5	1	22	5	50
CSC022	.5	4	1	23	1	.1	1	1	70	10	1	31	2	120
CSC023	.8	5	1	17	2	.1	1	1	120	1	1	10	1	30
CSC024	.7	1	1	16	5	.1	5	2	60	6	1	26	4	40
CSC025	.5	12	1	34	1	.1	4	1	100	33	1	47	3	200
CSC026	.7	3	1	28	3	.1	4	1	70	9	1	23	1	20
CSC027	.9	1	1	24	5	.1	6	1	100	12	1	29	3	30
CSC028	1.2	1	1	19	3	.1	6	1	70	8	1	29	11	25
CSC029	.7	1	1	19	1	.1	5	1	120	4	1	30	2	40
CSC036	.8	1	1	75	1	.1	16	1	70	29	1	43	1	200
CSC037	1.6	1	1	24	1	.1	14	1	80	13	1	38	2	175
CSC038	1.8	1	1	28	2	.1	10	1	60	41	1	32	3	170
CSC039	1.1	23	1	29	5	.1	20	5	70	21	1	74	2	110
CSC040	.9	36	1	64	3	.1	20	6	80	64	1	186	8	160
CSC041	.7	1	1	19	5	.1	7	1	110	19	1	35	1	135
CSC042	1.3	3	1	31	2	.1	1	1	110	4	1	14	1	70
CSC043	.9	1	1	48	6	.1	30	4	80	27	1	100	2	160
CSC044	.8	5	1	32	5	.1	17	3	70	33	1	54	1	170
CSC045	2.0	36	1	42	3	.2	28	6	60	53	1	65	3	240
CSC047	.5	7	1	20	1	.1	2	1	60	4	1	13	2	45
CSC048	.6	4	1	42	2	.1	4	2	80	3	1	31	1	35
CSC049	.7	1	1	30	6	.1	4	1	110	16	1	31	3	25
CSC050	.8	4	1	38	3	.1	1	1	130	7	1	26	1	55
CSC051	.5	2	1	42	1	.1	1	1	160	2	1	22	2	125
CSC052	.9	1	1	35	1	.1	3	1	80	11	1	33	1	165



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-1017-RA1

Company: MINNOVA INC.
Project: MAGGIE 618
Attn: COLIN BURGE

Date: AUG-30-89
Copy 1. MINNOVA INC., VANCOUVER, B.C.

We hereby certify the following Assay of 1 CORE samples submitted AUG-29-89 by COLIN BURGE.

Sample Number	CU %	PB %	ZN %	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
23302	.004	.16	2.25	2.2	.06	.01	.001

Certified by _____

MIN-EN LABORATORIES



**MINERAL
• ENVIRONMENTS
LABORATORIES LTD.**

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

Analytical Report

Company: MINNOVA INC.
Project:
Attention: C. BURGE

File: RERUNS
Date: JAN 3/89
Type: PULP GEOCHEM

Date Samples Received : DEC 22/88
Samples Submitted by : C. BURGE

Report on7 PULPS..... Geochem Samples
..... Assay Samples

Copies sent to:

1. MINNOVA INC., VANCOUVER, B.C.
- 2.
- 3.

Samples: Sieved to mesh Ground to mesh

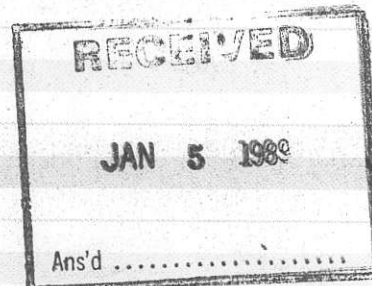
Prepared samples stored:X..... discarded:.....
rejects stored: discarded:.....

Methods of analysis:

31 ELEMENT TRACE ICP
HG ACID DIGESTION FLAMELESS A.A.

Remarks

RERUNS OF FILES 8-1584, 8-1771 AND 8-1882.



PROJECT NO:

703 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: RERUNS

ATTENTION: COLIN BURGE

(604)980-5814 OR (604)988-4524

TYPE PULP GEOCHEM # DATE: JAN 3, 1988

(PPM) BCD15901 BCD15942 BCD15944 BCD15946 BCD15953 BCD15955 BCD15984

-8-1584 -8-1771 -8-1882 -8-1882 -8-1882 -8-1882 -8-1882

AG	6.5	1.2	6.5	7.9	.5	.5	3.2
AL	10650	7630	4950	6580	14030	13260	8580
AS	12	1	4	18	9	12	5
B	13	15	13	15	16	16	17
BA	151	128	84	128	192	255	98

BE	.9	.9	.9	.8	1.0	1.0	.9
BI	1	2	2	4	1	1	3
CA	1810	1590	1060	1780	2240	950	950
CD	362.7	245.0	61.2	404.0	159.4	137.3	536.5
CO	11	10	10	12	14	11	12

CU	421	366	1406	2641	115	433	2164
FE	14140	13800	6520	12590	13740	13100	11930
K	2780	2560	2340	2410	3320	3810	3300
LI	13	10	9	10	12	13	10
MG	9320	6610	2890	6400	11500	10510	6270

MN	677	325	242	636	643	939	475
MO	14	18	87	19	13	12	78
NA	190	130	160	110	160	160	180
NI	11	15	14	14	11	13	14
P	430	320	340	440	380	340	440

PB	5572	2979	1051	3075	105	62	335
BB	2	2	7	1	1	4	3
SR	14	14	12	15	11	13	14
TH	1	1	1	1	1	1	1
U	1	2	3	2	2	2	2

V	15.4	15.5	11.0	13.8	20.1	16.8	13.8
ZN	37059	27588	6181	44285	13298	12505	37721
GA	1	3	1	2	1	1	1
SN	3	2	2	3	2	2	2
W	1	3	1	1	1	2	6

CR	98	154	168	160	121	129	187
HG-PPB	2625	1095	240	1405	2125	1875	1160