

JUL 31 1984

PHONE: (604)980-5814 DR (604)988-4524

Bar Property
1984 Geochem + Assay

825479

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

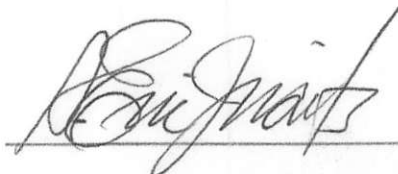
COMPANY: FALCONBRIDGE COPPER
PROJECT: 215
ATTENTION: **M. BURSON/A. DAVIDSON**

FILE: 4-615
DATE: JULY 30/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 4 samples submitted.

SAMPLE NUMBER	CU PPM	PB PPM	ZN PPM	AS PPM	AU PPB	TOTAL BA PPM
S 517	28	24	56	11	15	700
518	34	18	55	6	10	540
519	33	22	57	4	10	620
S 521	10	35	18	3	5	650

Certified by



MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

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

TELEX: 04-352828

CERTIFICATE OF ASSAY

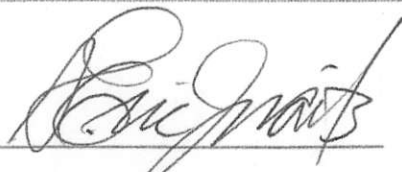
COMPANY: FALCONBRIDGE COPPER
PROJECT: 215
ATTENTION: M. BORSON/A. DAVIDSON

FILE: 4-615
DATE: JULY 30/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	TOTAL CA AS CAO %
S-517	7.28
S-518	2.79
S-519	2.90
S-521	39.90

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MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

JUL 26 1984

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

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: CORP. FALCONBRIDGE COPPER
PROJECT: 215
ATTENTION: M. BURSON/A. DAVIDSON

FILE: 4-615
DATE: JULY 26/84
TYPE: HEAVY MINERAL

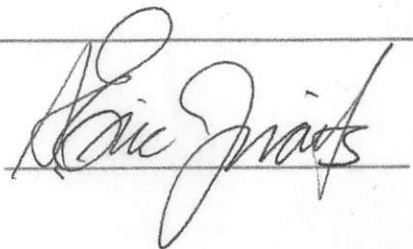
We hereby certify that the following are the results of the geochemical analysis made on 2 samples submitted.

SAMPLE NUMBER TOTAL BA PPM

HMS19 310
HMS20 200

*CHECIC ON
ANDMANKOUS
STREAMS
North of
Dixon Lake*

Certified by



COMPANY: CORP. FALCONBRIDGE COPPER

NIN-EN LABS ICP REPORT

(ACT:6ED3B) PAGE 1 OF 3

PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7N 1T2

FILE No: 4-615

ATTENTION: M. BURSON/A. DAVIDSON

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

DATE: JULY 26, 1984

(REPORT VALUES IN PPM)	AB	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
HMS19	2.0	14900	3	18	17	1000	.3	33	32	83400	807	7650
HMS20	1.8	12000	2	14	14	9600	.0	20	16	55900	479	5990

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MIN-EN LABS ICP REPORT

(ACT:GEO3B) PAGE 2 OF 3

PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-615

ATTENTION: M. BURSON/A. DAVIDSON

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

DATE: JULY 26, 1984

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
HM519	644	2	150	45	1340	5	1	66	0	10	77.6	78
HM520	316	1	150	24	1470	1	1	55	0	14	65.6	45

COMPANY: CORP. FALCONBRIDGE COPPER

MIN-EN LABS ICP REPORT

(ACT:6ED3B) PAGE 3 OF 3

PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-615

ATTENTION: M. BURSON/A. DAVIDSON

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

DATE: JULY 26, 1984

(REPORT VALUES IN PPM)	BA	SE	AU-PPB	HMZ
HM519	72	0	5	4.68
HM520	41	0	<5	3.64

JUN 27 1984

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

TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: CORP. FALCONBRIDGE COPPER
PROJECT: 215
ATTENTION: A.DAVIDSON/M.BURSON

FILE 4-387
DATE: JUNE 25/84
TYPE: HEAVY MINERAL

We hereby certify that the following are the results of the geochemical analysis made on 18 samples submitted.

SAMPLE NUMBER	AU PPB	TOTAL BA PPM
500	15	520
501	100 -	450
502	30	600
503	450 -	550
504	35	740
505	40	910
506	1100 -	460
507	145 -	530
508	5	500
509	15	710
510	10	490
511	25	570
550	900 -	600
551	10	930
552	5	400
553	5	300
554	5	200
555	5	300

5

18

Certified by

[Handwritten Signature]

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
500 ²⁰	1.1	13100	0	13	8	8250	2.2	38	32	90500	380	8850
501 ¹⁰⁰	1.1	9430	0	10	9	5760	2.3	33	29	77300	219	8000
502	1.4	14100	0	13	12	8470	2.0	32	22	70500	363	11600
503 ⁴⁵⁰	1.0	14700	8	14	8	9690	2.6	35	24	77500	348	10200
504	1.1	7350	9	10	8	11300	2.2	31	26	65000	240	8080
505	1.0	5720	21	9	7	6170	3.9	43	68	88700	176	7540
506 ¹¹⁰⁰	1.0	9480	6	10	8	5730	2.5	37	34	76800	214	7270
507 ¹⁴⁵	1.5	13100	29	15	13	10100	3.3	38	50	89000	189	7970
508	1.0	10700	4	10	9	8900	1.2	21	20	51400	160	5450
509	1.0	12400	29	14	7	12600	3.4	40	52	85100	266	7980
510	1.3	11600	15	12	11	8880	2.1	34	48	76200	216	6950
511	.9	10500	8	10	8	8410	1.5	21	16	51900	221	5530
550 ⁹⁰⁰	1.5	18200	21	17	16	10800	2.7	37	42	93900	156	10300
551	2.0	17100	0	16	23	11000	.7	37	41	91800	124	10900
552	2.0	22800	0	22	25	18600	.2	36	41	91400	189	11900
553	1.6	17600	0	15	18	13200	.0	25	15	62000	113	9550
554	1.7	16300	0	14	20	11900	.0	26	18	63100	116	9950
555	1.3	9970	0	9	12	9520	.9	17	12	45500	349	4400

PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-387HM

ATTENTION: J. DAVIDSON/M./BURSON

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

TYPE HEAVY MINERAL

DATE: JUNE 25, 1984

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
500 70	658	3	53	52	1920	38	11	63	0	32	61.0	123
501 100	515	2	41	53	969	37	7	44	3	29	43.2	103
502	452	2	47	58	1630	29	10	63	0	37	60.5	88
503 450	492	3	37	57	2140	37	14	70	0	36	62.5	118
504	429	2	45	52	1000	33	10	55	2	38	42.3	88
505	870	5	63	54	982	69	12	44	0	35	39.2	161
506 1100	480	3	41	53	947	35	10	43	0	41	47.7	100
507 145	472	3	104	52	1260	59	12	42	14	47	76.0	162
508	341	1	86	32	775	22	7	41	5	33	52.4	95
509	683	4	47	67	2670	46	15	75	5	38	52.3	146
510	504	4	56	50	1350	92	12	55	5	37	52.5	157
511	474	3	84	36	1200	28	10	45	5	38	46.8	108
550 900	645	2	159	60	436	34	6	29	0	27	98.6	146
551	478	0	156	43	322	20	1	26	0	26	124.4	101
552	537	0	238	35	459	19	3	37	0	32	154.4	83
553	326	0	211	24	154	8	4	24	0	29	100.6	36
554	329	0	184	25	239	10	2	25	0	32	95.1	40
555	533	1	318	20	496	17	5	60	1	41	46.2	46

PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-387HM

ATTENTION: J.DAVIDSON/M./BURSON

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

TYPE HEAVY MINERAL

DATE: JUNE 25, 1984

(REL) AT VALUES IN PPM	BA	SE	HMZ
500 120	78	0	6.42
501 100	40	0	6.60
502	63	0	9.52
503 450	68	0	7.83
504	177	0	9.97
505	138	0	7.18
506 1100	47	0	7.52
507 143	116	0	5.80
508	42	0	2.95
509	107	0	4.11
510	94	0	5.92
511	55	0	3.91
550 900	93	0	14.85
551	309	0	13.95
552	76	0	10.97
553	30	0	31.32
554	37	0	28.04
555	34	0	24.81

JUL 13 1984

COMPANY: CORP. FALCONBRIDGE COPPER

MIN-EN LABS ICP REPORT

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PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-489HM

ATTENTION: M. J. BURSON

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

DATE: JULY 11, 1984

(REPORT VALUES IN PPM)	AG	AL	AS	B	BI	CA	CD	CO	CU	FE	K	MG
512	.6	6970	0	8	2	4520	.0	15	24	45500	286	3720
513	1.2	3670	8	5	3	2560	.0	10	8	26800	187	2540
514	625	13200	0	15	2	8980	.0	25	24	71000	615	7450
515	.6	12200	0	16	1	6860	.0	42	83	111000	459	9300
516	40	15100	0	18	2	6610	.0	44	77	132000	216	7780
Sc 1 Sc 1 556	930	16000	27	18	6	6910	.0	34	107	109000	249	8830
557	370	18100	0	19	7	9410	.0	32	47	91800	414	9930
558		20100	0	20	11	13700	.0	31	30	120000	446	10400
559		17700	0	17	8	11400	.0	25	20	90000	279	10600
560		15900	0	15	6	9800	.0	23	18	80700	227	9830
561		24300	0	23	12	16900	.0	32	26	130000	452	10300

Handwritten calculations:

$$4 \begin{array}{r} \times 5 \\ \hline 18 \end{array}$$

$$\frac{9}{29.}$$

COMPANY: CORP. FALCONBRIDGE COPPER

MIN-EN LABS ICP REPORT

(ACT:GEO3B) PAGE 2 OF 3

PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-489HM

ATTENTION: M. J. BURSON

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

DATE: JULY 11, 1984

(REPORT VALUES IN PPM)	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN
512	266	0	147	23	450	58	0	22	0	1	31.8	43
513	158	1	46	13	564	9	1	16	0	40	19.0	26
514	321	0	225	38	1900	0	0	45	0	6	52.0	63
515	782	1	86	71	1400	0	0	40	0	0	56.3	98
516	770	0	128	70	269	0	0	8	0	0	83.4	147
556	586	1	172	49	318	337	0	14	0	0	84.3	466
557	2300	0	426	44	425	720	0	19	0	0	95.3	94
558	343	0	858	28	0	0	0	12	0	0	121.5	24
559	312	0	589	34	0	0	0	11	0	0	89.0	18
560	282	0	463	33	0	0	0	10	0	0	79.9	18
561	434	0	979	23	0	0	0	16	0	0	127.9	22

COMPANY: CORP. FALCONBRIDGE COPPER

MIN-EN LABS ICP REPORT

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PROJECT No: 215

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE No: 4-4B9HM

ATTENTION: M. J. BURSON

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

DATE: JULY 11, 1984

(REPORT VALUES IN PPM)	BA	SE	BA-TOTAL	AU-PPB	HMZ
512	34	0	200	5	8.56
513	19	0	300	5	3.90
514	41	0	340	625	4.58 ←
515	46	0	320	5	11.07
516	78	0	400	40	14.33
556	136	0	800	930	15.36 ←
557	270	0	720	370	13.45 ←
558	79	0	300	5	22.66
559	45	0	210	5	35.36
560	40	0	260	5	36.07
561	63	0	270	5	26.11

COMPANY: MINNOVA INC.
 PROJECT NO: 215
 ATTENTION: L. PARIE

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

(ACT:F31) PAGE 1 OF 1
 FILE NO: 7-1409S/P1+2
 * TYPE SOIL GEOCHEM * DATE: SEPT 28, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
WB75 2001	.6	1	14	13	22	3	101	5
WB75 2002	.8	3	21	34	21	1	108	5
WB75 2003	.8	1	19	31	14	1	86	5
WB75 2004	.7	2	21	19	8	1	86	60
WB75 2005	.8	1	22	19	9	1	85	5
WB75 2006	.6	1	16	13	6	1	82	5
WB75 2007	.3	1	8	11	13	1	86	5
WB75 2008	.7	2	14	15	10	2	89	10
WB75 2009	.5	2	13	10	9	1	79	5
WB75 2010	.5	5	14	19	11	2	95	5
WB75 2011	1.0	5	16	42	22	2	94	5
WB75 2012	.9	1	12	39	27	3	85	15
WB75 2013	1.0	8	14	27	17	2	71	5
WB75 2014	1.1	1	24	29	8	1	105	5
WB75 2015	.5	4	12	21	14	2	68	5
WB75 2016	1.3	1	20	22	11	1	96	10
WB75 2017	.8	1	22	18	9	1	85	5
WB75 2018	.9	1	19	14	9	1	97	5
WB75 2019	1.3	6	25	29	7	2	85	5
WB75 2020	1.0	6	15	32	15	2	70	10
WB75 2021	.8	1	16	19	11	1	93	5
WB75 4001	1.3	9	21	21	14	2	99	5
WB75 4002	.9	6	15	22	11	1	87	5
WB75 4003	.6	10	11	35	18	3	74	5
WB75 4004	.8	4	12	29	22	3	107	5
WB75 4005	.6	6	11	23	16	3	74	5
WB75 4006	.6	10	14	26	18	2	128	5
WB75 4007	.6	1	16	22	14	2	131	10
WB75 4008	.8	6	14	15	12	2	93	5
WB75 4009	.7	1	21	14	4	2	73	5
WB75 4010	.3	1	13	18	10	4	52	5
WB75 4011	.2	1	13	14	10	3	58	5
WB75 4012	.7	1	17	20	9	1	75	5
WB75 4013	.8	1	17	16	8	4	101	5
WB75 4014	.5	1	12	11	9	3	86	5
WB75 4015	.4	1	15	16	12	1	71	5
WB75 4016	.7	5	17	16	11	1	67	5
WB75 4017	.5	1	14	11	8	1	75	5
WB75 4018	.7	2	19	17	10	2	88	10
WB75 3001	.3	1	11	18	11	1	88	5
WB75 3002	.6	1	17	11	6	1	77	5
WB75 3003	1.3	5	23	26	12	1	89	5
WB75 3004	.7	3	17	12	12	1	95	5
WB75 3005	.6	1	14	15	8	1	68	10
WB75 3006	.6	1	12	10	8	1	67	5
WB75 3007	.5	2	12	10	9	1	68	5
WB75 3008	.6	1	23	13	10	5	113	5
WB75 3009	.6	4	13	11	8	1	79	10
WB75 3010	1.9	1	20	40	15	1	68	5
WB75 3011	.7	2	13	14	4	1	73	5
WB75 3012	.3	1	12	11	8	3	110	5
WB75 3013	1.3	3	31	36	16	6	145	5
WB75 3014	.9	1	23	16	6	5	92	5
WB75 3015	.7	1	16	10	5	1	74	10
WB75 3016	.3	1	12	8	5	1	80	5
WB75 3017	.5	2	16	9	10	1	93	5
WB75 3018	.5	1	16	9	11	1	104	5
WB75 3019	.8	1	27	17	11	2	88	5
WB75 3020	.8	8	24	20	5	1	100	5
WB75 3021	.8	6	18	11	14	1	116	5



COMPANY: MINNDVA INC.
 PROJECT NO: 215
 ATTENTION: I. PIRIE

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

(ACT:F31) PAGE 1 OF 1
 FILE NO: 7-14095/P3+4
 * TYPE SOIL GEOCHEM * DATE: SEPT 28, 1987

(VALUES IN PPM)	AS	AS	B	CU	PB	SB	ZN	AU-PPB
WB7S 3022	.3	1	13	7	9	1	92	5
WB7S 3023	.3	1	11	6	7	1	72	10
WB7S 3024	.3	1	11	6	12	1	69	5
WB7S 3025	.3	1	6	8	13	2	44	5
WB7S 3026	.5	1	11	8	10	1	73	5
WB7S 3027	.4	1	17	12	11	4	69	5
WB7S 3028	.7	1	7	7	15	2	74	5
WB7S 3029	.9	6	16	9	7	1	98	15
WB7S 3030	1.1	1	20	22	16	1	79	5
WB7S 3031	1.3	2	25	28	8	6	89	5
WB7S 4019	1.3	6	22	20	13	1	194	5
WB7S 4020	.7	1	18	14	9	2	83	5
WB7S 4021	.8	3	17	24	21	1	68	10
WB7S 4022	.7	2	13	9	12	2	59	5
WB7S 4023	1.8	12	18	27	43	2	65	5
WB7S 4024	.6	1	19	18	9	1	67	15
WB7S 4025	.9	2	12	15	43	1	68	5
WB7S 4026	.8	2	11	19	15	2	60	10
WB7S 4027	.5	1	10	11	13	2	56	5
WB7S 4028	.8	1	20	11	4	1	60	5
WB7S 4029	.5	1	15	12	15	1	100	5
WB7S 4030	.7	1	18	13	12	3	82	5
WB7S 4031	.4	1	10	13	11	3	66	5
WB7S 4032	.8	7	16	10	14	1	112	20
WB7S 4033	.7	6	18	27	13	1	81	10
WB7S 4034	.6	2	17	16	12	1	109	5
WB7S 4035	.5	3	13	16	13	2	79	5
WB7S 4036	.5	1	15	16	10	1	70	5
WB7S 4037	.6	1	10	8	7	1	82	5
WB7S 4038	.7	1	18	9	5	2	85	5
WB7S 4039	.3	1	12	7	13	1	66	5
WB7S 4040	.5	1	11	10	9	1	78	5
WB7S 4041	.7	2	16	9	10	3	102	5
WB7S 4042	.6	5	15	13	17	2	89	5
WB7S 4043	.6	5	13	20	17	2	86	10
WB7S 4044	.8	7	14	12	16	3	84	5
WB7S 4045	.7	3	15	11	8	2	77	5
WB7S 4046	.6	10	9	16	21	3	74	5
WB7S 4047	.5	5	11	8	9	2	83	5
WB7S 4048	.3	1	6	7	12	2	72	5
WB7S 4049	1.5	10	18	105	21	2	81	5
WB7S 4050	.6	1	12	17	16	1	60	5
WB7S 4051	1.0	9	10	25	23	2	70	5
WB7S 4052	.5	3	11	13	19	1	53	5
WB7S 4053	.1	1	2	5	11	2	30	5
WB7S 4054	.3	5	6	11	13	2	58	10
WB7S 4055	.6	2	11	12	11	3	72	5
WB7S 4056	.6	6	9	11	13	3	76	5
WB7S 4057	.6	1	9	9	10	2	71	5
WB7S 4058	.6	4	7	10	8	2	84	5
WB7S 4059	.4	5	11	18	17	3	66	5
WB7S 4060	.7	9	17	13	5	2	89	5
WB7S 4061	.6	12	12	34	16	3	68	10
WB7S 4062	.5	1	9	11	9	3	81	5
WB7S 4063	.7	1	10	10	8	2	84	5
WB7S 4064	.6	2	13	15	11	3	100	5
WB7S 4065	.5	6	11	7	6	2	65	5
WB7S 4066	.8	4	14	13	13	2	89	5
WB7S 4067	.7	2	11	10	16	3	78	5
WB7S 4068	1.0	3	9	13	11	3	93	5



COMPANY: MINNOVA INC.
 PROJECT NO: 215
 ATTENTION: I.PIRIE

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

(ACT:F31) PAGE 1 OF 1
 FILE NO: 7-14095/P5
 * TYPE SOIL GEOCHEM * DATE: SEPT 28, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
W87S 4069	.5	2	14	14	13	2	74	5
W87S 4070	.5	2	13	16	10	1	60	5
W87S 4071	.5	1	8	4	9	2	88	5
W87S 4072	.6	5	28	12	14	2	82	5
W87S 4073	.4	1	12	11	6	2	71	5

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2

FILE NO: 7-1300

ATTENTION: KAREN SUTHERLAND

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

* TYPE ROCK GEOCHEM *

DATE: SEPT 18, 1987

(VALUES IN PPM)	AS	AS	B	CU	PB	SB	ZN	AU-PPB
F487 2033	.4	26	18	37	19	3	123	5
F487 2034	.8	3	17	49	17	6	108	5
SC1 803	2.5	16	1	19	14	1	26	5
SC1 804	.7	41	8	44	57	5	51	30

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Ans'd

COMPANY: MINNOVA INC.

PROJECT NO: 215

ATTENTION: M. GRAY

MIN-EN LABS ICP REPORT

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

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

(ACT:F31) PAGE 1 OF 3

FILE NO: 7-1336HM

DATE: SEPT 28, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
SBS87H 01-80M	8.3	8260	45	11	1033	4.1	3	12410	8.3	23	191	141720
SBS87H 02-80M	2.4	8460	73	15	160	6.1	1	9910	6.0	49	628	210110
SBS87H 03-80M	2.1	9580	31	14	142	5.7	4	9130	4.8	34	353	199210
SBS87H 04-80M	2.0	14100	22	29	280	8.2	11	11510	7.8	57	267	275970
SBS87H 05-80M	2.7	11980	10	20	305	7.0	4	11280	5.2	45	353	256520
SBS87H 06-80M	2.5	11230	19	12	85	4.4	8	14300	5.5	30	102	152940
SBS87H 01-40+80M	4.9	12300	18	15	2203	4.9	7	8770	8.2	29	219	173490
SBS87H 02-40+80M	2.2	10760	7	16	199	6.0	1	6660	6.0	48	776	215660
SBS87H 03-40+80M	1.8	11090	4	34	169	6.2	4	5040	4.3	35	483	222760
SBS87H 04-40+80M	2.2	11640	1	21	208	7.2	9	5010	4.7	58	383	258690
SBS87H 05-40+80M	2.6	13040	1	21	253	7.5	3	5930	5.5	43	357	267890
SBS87H 06-40+80M	2.9	13530	24	15	92	4.8	15	9960	5.0	36	132	159130

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 2 OF 3

PROJECT NO: 215

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

FILE NO: 7-1336HM

ATTENTION: M.GRAY

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

* TYPE HEAVY MINERAL *

DATE: SEPT 28, 1987

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
SBS87H 01-80M	310	6	7700	870	2	80	34	2470	263	30	46	2
SBS87H 02-80M	570	5	5300	1373	1	80	9	2870	153	12	1	1
SBS87H 03-80M	510	5	5250	1301	3	80	11	2410	114	10	13	3
SBS87H 04-80M	770	10	7490	3192	4	100	15	3100	210	4	43	3
SBS87H 05-80M	680	6	7630	2040	3	60	40	3110	127	13	37	4
SBS87H 06-80M	380	11	9720	1067	2	70	122	2990	78	1	74	1
SBS87H 01-40+80M	500	9	11240	1397	2	120	63	1600	267	15	75	3
SBS87H 02-40+80M	860	6	6460	1683	1	120	6	1600	135	12	17	1
SBS87H 03-40+80M	630	7	6390	1863	2	90	16	1260	120	11	12	3
SBS87H 04-40+80M	620	8	5910	2788	3	60	6	1220	164	11	16	2
SBS87H 05-40+80M	760	8	8240	2272	1	60	51	1350	102	14	14	3
SBS87H 06-40+80M	480	14	9020	1331	1	70	118	1110	69	3	31	1

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 3 OF 3

PROJECT NO: 215

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

FILE NO: 7-1336HM

ATTENTION: M. GRAY

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

* TYPE HEAVY MINERAL *

DATE: SEPT 28, 1987

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	HB-PPB	AU-PPB	PT-PPB	PD-PPB	HMZ
SBS87H 01-80M	1	129.6	1343	1	5	3	68	1745	45	41	27	9.23
SBS87H 02-80M	1	70.9	463	3	3	2	29	105	21	35	18	5.56
SBS87H 03-80M	2	123.7	358	2	3	2	49	135	16	16	55	5.12
SBS87H 04-80M	5	178.2	597	3	3	3	60	90	485	73	46	3.16
SBS87H 05-80M	4	108.7	355	2	4	2	59	115	23	69	46	5.00
SBS87H 06-80M	4	117.6	216	2	5	2	250	65	3	1	11	8.48
SBS87H 01-40+80M	1	87.7	783	3	4	3	66	260	4	3	1	6.11
SBS87H 02-40+80M	3	44.9	508	1	1	2	32	75	3	3	7	2.22
SBS87H 03-40+80M	3	65.8	427	1	1	2	44	85	5	21	1	2.59
SBS87H 04-40+80M	3	112.3	472	3	3	2	48	40	12	3	21	3.45
SBS87H 05-40+80M	5	71.1	353	2	2	2	55	75	30	49	16	3.33
SBS87H 06-40+80M	6	66.9	237	2	2	2	70	30	27	6	2	8.62

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COMPANY: MINNDVA INC.

PROJECT NO: 215

ATTENTION: M. GRAY/G. EVANS

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

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

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-13835/P1+2

* TYPE SOIL GEOCHEM * DATE: SEPT 28, 1987

(VALUES IN PPM)	AS	AS	B	CU	PB	SB	ZN	AU-PPB
WB7S 1001	.9	1	15	26	21	4	78	5
WB7S 1002	.7	1	20	16	13	3	71	5
WB7S 1003	.9	1	16	12	13	4	87	5
WB7S 1004	.9	1	15	15	11	3	82	5
WB7S 1005	.8	1	13	14	12	3	90	5
WB7S 1006	.8	1	8	14	15	3	80	5
WB7S 1007	.6	1	10	13	16	2	94	10
WB7S 1008	.6	4	16	11	14	2	108	10
WB7S 1009	.5	8	25	22	20	3	85	5
WB7S 1010	.7	10	19	19	17	3	114	85
WB7S 1011	1.0	84	6	33	33	6	72	800
WB7S 1012	.1	1	17	8	12	1	77	10
WB7S 1013	1.5	7	14	40	20	4	92	10
WB7S 1014	.9	1	7	14	11	2	87	5
WB7S 1015	1.7	1	31	48	14	4	103	15
WB7S 1016	.6	1	10	12	13	2	77	5
WB7S 1017	.7	1	7	15	18	4	76	5
WB7S 1018	1.0	5	9	21	18	5	86	25
WB7S 1019	.8	1	17	19	17	3	110	5
WB7S 1020	.8	1	9	18	14	3	76	10
WB7S 1021	.8	1	11	17	17	3	78	5
WB7S 1022	.8	1	9	11	13	2	76	5
WB7S 1023	.5	3	3	22	20	4	71	15
WB7S 1024	.5	1	8	24	26	4	86	5
WB7S 1025	.7	9	14	12	12	2	91	10
WB7S 1026	.9	1	14	11	13	4	107	10
WB7S 1027	.8	5	5	11	18	4	68	5
WB7S 1028	.8	2	9	7	7	2	92	5
WB7S 1029	1.0	10	6	24	19	4	75	5
WB7S 1030	.6	1	7	10	16	3	82	5
WB7S 1031	.5	1	10	11	14	1	68	5
WB7S 1032	.5	7	4	19	20	3	65	25
WB7S 1033	.5	6	7	29	16	3	75	5
WB7S 1034	1.3	14	12	35	29	4	84	5
WB7S 1035	.8	6	3	9	16	4	116	15
WB7S 1036	.5	9	23	13	15	2	100	10
WB7S 1037	.7	9	15	13	12	1	79	5
WB7S 1038	1.1	26	9	22	17	3	84	5
WB7S 1039	.5	9	15	24	22	3	68	5
WB7S 1040	1.0	10	12	25	22	3	95	5
WB7S 1041	.7	6	9	12	15	4	95	10
WB7S 1042	.7	6	17	7	14	3	98	5
WB7S 1043	.6	8	5	15	15	4	77	5
WB7S 1044	.7	5	11	13	13	4	89	5
WB7S 1045	.4	1	6	9	11	1	77	10
WB7S 1046	.6	7	12	11	11	3	85	5
WB7S 1047	.8	9	9	18	13	3	70	15
WB7S 1048	1.0	8	8	23	20	3	67	5
WB7S 1049	.9	12	23	19	21	4	79	5

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MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 DR (604)988-4524

TELEX: VIA USA 7601067 UC

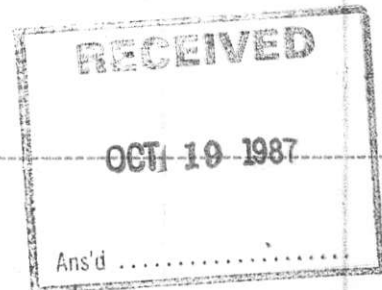
Certificate of Geochem

Company: MINNOVA INC.
Project: 321
Attention: K. SUTHERLAND

File: 7-1090/P1
Date: OCT 13/87
Type: PULP GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM
CH 87 3000	102.0



Certified by

MIN-EN LABORATORIES LTD.

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
WB7S 4242	.5	5	12	9	15	1	85	5
WB7S 4243	.2	3	14	8	11	1	78	5
WB7S 4244	.4	13	17	12	13	2	125	10
WB7S 4245	1.5	10	12	16	17	2	111	5
WB7S 4246	1.0	25	1	1	9	3	1	5
WB7S 4247	.5	5	13	9	7	1	108	5
WB7S 4248	.4	3	9	8	10	1	97	5
WB7S 4249	.8	5	16	15	11	1	137	10
WB7S 4250	.4	13	9	24	16	3	76	5
WB7S 4251	.8	11	13	38	19	3	70	10
WB7S 4252	.6	7	13	12	11	2	73	5
WB7S 4253	.8	6	20	17	11	2	70	10
WB7S 4254	.5	11	8	19	16	3	59	5
WB7S 4255	.5	7	12	12	12	2	95	10
WB7S 4256	.5	1	13	9	10	2	74	5
WB7S 4257	.5	9	12	21	9	3	73	5
WB7S 4258	.6	15	13	47	54	5	101	5
WB7S 4259	.2	5	4	7	14	1	67	5
WB7S 4260	1.8	12	17	20	11	3	69	5
WB7S 4261	.5	3	4	10	14	1	74	10
WB7S 4262	.2	7	7	7	21	2	75	5
WB7S 4263	1.1	11	18	8	12	2	133	10
WB7S 4264	1.2	5	14	11	8	1	100	5
WB7S 4265	.6	1	6	8	11	1	80	5
WB7S 4266	.8	3	6	8	14	1	81	5
WB7S 4267	1.0	9	22	22	9	2	92	10
WB7S 4268	1.0	6	14	11	10	2	80	5
WB7S 4269	.3	1	5	19	17	1	56	10
WB7S 4270	1.0	16	11	29	28	3	85	5
WB7S 4271	.8	9	9	27	21	1	100	5
WB7S 4272	.4	3	8	9	15	1	94	5
WB7S 4273	.3	1	15	5	12	1	69	15
WB7S 4274	.3	2	11	10	15	1	107	10
WB7S 4275	.3	5	7	9	22	2	86	5
WB7S 4276	.3	3	5	7	13	1	59	10
WB7S 4277	.3	1	6	10	20	1	83	5
WB7S 4278	.6	8	14	9	11	2	98	15
WB7S 4279	.4	1	3	4	9	1	72	5
WB7S 4280	.2	6	6	10	14	1	83	5
WB7S 4281	.3	8	9	9	15	2	110	10
WB7S 4282	1.3	6	15	22	17	3	578	5

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COMPANY: MINNDVA INC.

PROJECT NO: 215

ATTENTION: M. GRAY

MIN-EN LABS ICP REPORT

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

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

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-1699

* TYPE ROCK GEOCHEM * DATE: OCT 26, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7712	.2	3	2	4	24	1	45	5
BCD 7713	.5	14	1	4	40	2	38	1250
BCD 7714	.2	7	1	3	15	1	19	70
BCD 7715	.1	12	1	2	15	2	10	5
BCD 7716	.5	11	1	3	35	1	13	100
BCD 7717	.4	8	1	4	21	1	13	5
BCD 7718	.7	9	1	2	35	1	21	40
BCD 7719	.5	1	2	13	32	1	54	5
BCD 7720	1.0	6	1	3	32	1	24	5
BCD 7721	.6	11	2	5	31	1	42	5
BCD 7722	.8	66	6	38	61	7	185	20
BCD 7723	.7	35	5	32	39	3	153	10
BCD 7726	1.2	5	1	6	34	1	41	40
BCD 7727	.3	9	2	5	10	1	36	90
BCD 7728	.3	5	1	5	11	1	22	40
BCD 7729	.3	17	1	4	12	1	22	5
BCD 7730	.4	14	1	8	23	1	47	5
BCD 7731	.3	9	3	7	40	1	79	10
BCD 7732	.6	4	1	2	27	1	39	10
BCD 7733	.4	12	1	4	24	1	45	20

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(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7651	1.7	8	7	15	64	1	90	70
BCD 7652	.4	5	4	9	21	1	31	40
BCD 7653	.6	8	3	7	29	1	21	50
BCD 7654	.8	7	4	10	39	1	55	20
BCD 7655	.7	10	2	6	14	1	17	50
BCD 7656	.6	12	2	6	8	1	20	5
BCD 7657	.8	6	3	7	30	1	92	10
BCD 7658	2.2	10	5	44	173	1	110	300
BCD 7659	.8	3	6	11	22	1	55	160
BCD 7660	.7	12	3	6	18	1	62	340
BCD 7661	1.0	8	3	4	12	1	66	130
BCD 7662	.8	2	4	5	28	1	37	90
BCD 7663	.8	4	4	4	24	1	33	5
BCD 7664	1.1	1	9	26	20	4	64	140
BCD 7665	1.1	12	1	6	12	1	22	15
BCD 7666	.8	5	4	6	21	1	34	60
BCD 7667	1.4	9	8	15	133	1	404	780
BCD 7668	1.1	16	3	6	20	1	41	200
BCD 7669	.9	40	5	13	16	1	267	790
BCD 7670	1.1	24	1	8	22	1	44	560
BCD 7671	.6	9	1	4	16	1	22	40
BCD 7672	1.3	15	3	9	21	1	18	1600
BCD 7673	.8	11	2	8	21	1	32	670
BCD 7674	.9	12	2	9	18	1	39	350
BCD 7675	.7	11	1	5	36	1	59	120
BCD 7676	.9	14	2	4	76	1	55	70
BCD 7677	.5	10	1	4	12	1	33	40
BCD 7678	.7	9	1	5	11	1	18	30
BCD 7679	.7	5	1	4	14	1	26	10
BCD 7680	.8	8	2	6	20	1	42	40
BCD 7681	.4	3	2	5	21	1	33	30
BCD 7682	.8	2	1	6	19	1	54	100
BCD 7683	.6	6	1	8	13	1	41	130
BCD 7684	.9	3	4	11	48	2	117	80
BCD 7685	1.0	16	2	11	73	1	145	370
BCD 7686	.8	6	5	13	88	1	174	60
BCD 7687	.7	2	4	35	137	1	194	10
BCD 7688	.8	3	3	10	120	1	199	5
BCD 7689	1.2	4	2	11	290	1	283	20
BCD 7690	2.0	6	4	175	115	1	2996	180
BCD 7691	.8	6	3	10	40	1	107	365
BCD 7692	.9	8	1	40	66	1	1296	60
BCD 7693	.6	4	4	8	47	1	635	5
BCD 7694	5.3	9	3	1324	318	4	4557	30
BCD 7695	100.9	31	10	5316	38475	74	53527	85
BCD 7696	3.0	24	2	207	886	3	3567	320
BCD 7697	1.3	11	5	62	303	1	593	400
BCD 7698	.4	3	3	12	62	1	104	5

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F26) PAGE 1 OF 1

SUBJECT NO: 215

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

FILE NO: 7-1639

ATTENTION: M.GRAY

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

* TYPE ROCK GEDCHEM *

DATE: OCT 26, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SIO2	SR	TIO2	ZR	TOT(%)
BCD 7926	11.82	.006	.24	.92	.07	.08	.03	6.90	77.61	.01	.15	.008	97.85
BCD 7927	12.87	.029	.12	1.14	.48	.11	.03	6.12	76.73	.01	.19	.011	97.85
BCD 7928	12.08	.074	.10	2.73	1.43	.19	.12	3.94	76.94	.01	.19	.013	97.81
BCD 7929	13.11	.034	.10	3.43	.48	.21	.11	6.05	74.11	.01	.18	.012	97.84
BCD 7930	11.19	.017	.71	1.67	.29	.22	.07	5.60	77.99	.02	.17	.008	97.96
BCD 7931	12.50	.031	.35	2.24	.63	.18	.08	5.69	75.90	.01	.18	.013	97.81
BCD 7932	15.05	.151	.11	2.81	2.99	.34	.07	3.32	72.61	.01	.22	.020	97.71

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Ans'd

COMPANY: MINNOVA INC.

PROJECT NO: 215

ATTENTION: M. GRAY

MIN-EN LABS ICP REPORT

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

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

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-1639

* TYPE ROCK BEDCHEN * DATE: OCT 26, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7926	.4	9	2	5	12	1	21	60
BCD 7927	.4	2	1	5	19	1	28	5
BCD 7928	1.1	36	5	12	35	1	74	450
BCD 7929	1.0	3	4	5	11	1	57	420
BCD 7930	.7	6	3	4	22	1	29	10
BCD 7931	.9	7	2	6	106	1	74	10
BCD 7932	.9	3	6	10	157	1	288	5

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(VALUES IN PPM)	AG	AS	B	CU	FB	SB	ZN	AU-PPB
WB7T7-1	.6	62	15	51	27	4	112	5
WB7T7-2	.7	76	6	39	35	5	84	5
WB7T7-3	.8	30	16	64	24	3	105	5
WB7T7-4	.6	6	21	65	21	3	122	10
WB7T7-5	.5	9	16	65	23	1	103	5
WB7T7-6	.6	11	19	54	18	1	108	5
WB7T7-7	.5	1	21	54	20	1	113	5
WB7T7-8	.6	20	15	54	23	1	99	5
WB7T7-9	.8	4	8	49	27	3	107	5
WB7T7-10	.7	21	12	57	25	4	108	10
WB7T7-11	.8	156	7	77	31	2	79	10
WB7T7-12	.9	83	10	56	30	5	106	5
WB7T7-13	.6	68	13	61	24	5	105	5
WB7T7-14	.9	53	12	53	23	4	101	5
WB7T7-15	.7	67	8	49	25	5	88	5
WB7T7-16	.8	168	17	49	40	5	95	5
WB7T7-17	.7	46	19	61	18	3	122	5
WB7T7-18	.8	101	8	50	29	2	100	5
WB7T8-1	.7	3	22	80	27	2	123	10
WB7T8-2	.7	26	28	66	17	3	125	5
WB7T8-3	.7	49	7	57	30	3	87	5
WB7T8-4	.8	50	13	82	25	6	133	5
WB7T8-5	.8	40	4	32	22	1	119	5
WB7T8-6	.8	46	4	48	26	5	106	10
WB7T8-7	.8	113	4	57	29	6	96	5
WB7T8-8	.7	151	6	80	28	3	109	5
WB7T8-9	.8	117	4	49	32	5	83	5
WB7T8-10	.7	41	13	66	21	4	109	5
WB7T8-11	.8	49	9	63	29	5	103	5
WB7T8-12	.8	56	8	59	28	5	90	10
WB7T8-13	.6	312	5	67	36	1	106	5
WB7T8-14	.3	222	8	65	19	2	137	10
WB7T8-15	.5	136	4	56	27	1	90	5
WB7T8-16	.3	105	1	22	22	3	115	5
WB7T8-17	.7	309	10	89	32	1	113	50
WB7T8-18	.8	230	4	53	32	2	89	5
WB7T8-19	.7	119	6	74	29	2	110	10

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(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SiO2	SR	TiO2	ZR	TOT(%)
WB7T7-1	11.96	.042	8.88	12.89	1.43	5.49	.21	1.59	46.70	.04	3.55	.027	92.80
WB7T7-2	10.55	.046	11.12	11.99	1.41	4.41	.26	2.56	45.72	.04	3.12	.024	91.26
WB7T7-3	12.07	.039	8.54	12.59	.53	5.98	.23	3.28	45.85	.04	3.38	.026	92.56
WB7T7-4	13.00	.006	5.16	12.43	.05	6.21	.20	4.04	48.61	.02	3.66	.028	93.41
WB7T7-5	11.92	.006	6.59	12.07	.04	6.83	.22	3.37	47.54	.03	3.46	.025	92.10
WB7T7-6	11.45	.015	7.92	12.78	.17	7.68	.25	2.69	44.30	.04	3.53	.029	90.86
WB7T7-7	12.12	.024	7.97	13.56	.40	8.49	.22	2.29	47.10	.04	3.58	.027	95.82
WB7T7-8	11.38	.027	10.12	12.46	.79	7.56	.25	2.05	44.68	.04	3.39	.025	92.78
WB7T7-9	11.31	.015	8.12	11.86	.31	3.26	.30	4.12	50.88	.03	2.94	.028	93.18
WB7T7-10	11.51	.022	9.73	12.67	.76	5.40	.28	2.92	45.06	.04	3.41	.027	91.83
WB7T7-11	10.81	.085	10.33	11.14	1.54	3.28	.30	2.81	46.28	.04	3.26	.025	89.89
WB7T7-12	10.62	.047	10.67	11.76	.93	6.45	.25	2.58	44.54	.05	3.20	.023	91.13
WB7T7-13	11.73	.038	7.70	12.53	1.22	4.81	.21	2.23	46.00	.04	3.45	.025	89.97
WB7T7-14	10.88	.024	8.99	11.57	.90	5.42	.22	2.28	46.57	.04	3.15	.023	90.05
WB7T7-15	10.74	.071	8.94	11.63	1.63	4.20	.22	2.03	50.33	.04	3.06	.021	92.91
WB7T7-16	10.91	.131	9.99	12.10	2.58	4.96	.28	1.34	44.97	.05	3.37	.030	90.71
WB7T7-17	12.32	.109	5.97	14.07	1.26	7.59	.21	1.90	45.22	.03	3.69	.028	92.39
WB7T7-18	11.24	.078	9.27	12.90	2.41	4.64	.19	1.34	42.51	.04	3.43	.026	88.07
WB7T8-1	12.91	.013	4.06	14.38	.09	7.97	.25	3.24	49.64	.03	3.86	.031	96.46
WB7T8-2	12.78	.033	5.28	14.42	.69	8.19	.22	2.31	48.46	.03	3.76	.026	96.21
WB7T8-3	11.18	.071	8.20	12.89	2.42	9.77	.23	1.15	46.58	.05	3.31	.023	95.86
WB7T8-4	13.16	.061	6.54	14.99	2.37	4.05	.22	1.55	46.84	.03	4.19	.031	94.03
WB7T8-5	11.56	.053	7.02	10.40	1.17	1.66	.27	3.70	53.35	.03	2.24	.040	91.49
WB7T8-6	11.68	.059	9.07	11.27	1.44	1.73	.25	3.30	47.03	.03	3.10	.031	88.98
WB7T8-7	10.93	.161	10.24	13.26	2.23	4.21	.28	1.84	43.59	.05	3.28	.023	90.08
WB7T8-8	12.70	.093	7.33	14.23	1.82	3.10	.32	3.02	47.36	.04	3.83	.028	93.87
WB7T8-9	11.02	.108	11.36	12.95	1.55	6.03	.37	2.73	42.50	.06	3.49	.024	92.19
WB7T8-10	12.27	.059	6.09	13.35	1.04	6.20	.23	2.39	48.91	.03	3.57	.026	94.17
WB7T8-11	11.84	.048	8.00	13.01	.91	5.81	.26	3.06	47.36	.04	3.61	.024	93.96
WB7T8-12	11.14	.071	7.55	11.44	.95	4.99	.23	3.03	51.25	.04	3.20	.021	93.91
WB7T8-13	11.98	.142	8.13	14.09	2.45	3.70	.28	2.44	44.69	.03	3.59	.024	91.54
WB7T8-14	13.43	.117	3.58	15.24	2.37	1.27	.29	2.75	50.02	.02	4.37	.028	93.48
WB7T8-15	13.74	.098	4.31	11.95	1.35	2.43	.26	4.75	52.14	.04	4.00	.025	95.09
WB7T8-16	5.91	.037	.91	6.40	.40	.27	.26	2.29	79.13	.02	1.16	.005	96.79
WB7T8-17	12.99	.171	6.07	14.14	2.97	4.48	.23	1.63	48.95	.03	3.64	.027	95.33
WB7T8-18	12.36	.099	8.50	12.41	1.82	4.48	.26	3.22	47.99	.05	3.71	.026	94.94
WB7T8-19	12.76	.057	6.02	13.49	1.30	4.42	.28	3.93	48.83	.04	3.76	.026	94.91

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 Ans'd

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 OR (604)980-4524

TELEX: VIA USA 7601067 UC

Analytical Report

Company: MINNOVA INC.
Project: 203
Attention: I. PIRIE

File: 7-1595
Date: OCT 14/87
Type: ROCK

Date Samples Received : OCT 8/87
Samples Submitted by : I. PIRIE

Report on 19 Geochem Samples
.....
..... 8 Assay Samples
.....

Copies sent to:
1. MINNOVA INC., VANCOUVER, B.C.
2.
3.

Samples: Sieved to mesh Ground to mesh ...-100.....

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

Methods of analysis: AU-FIRE; AU-WET; 6 ELEMENT TRACE ICP;
CU PB NI CO AG ZN - ACID DIGESTION CHEMICAL ANALYSIS;

Remarks



MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: MINNOVA INC.
Project: 203
Attention: I PIRIE

File: 7-1595/P2
Date: OCT 13/87
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	CU %	ZN %
8502	10.1	0.29	.05	0.001	.880	.39
8503	15.7	0.46	.09	0.003	1.370	4.16
8506	22.3	0.65	.86	0.025	5.400	.41
8510	12.5	0.36	.20	0.006	2.530	.64
8511	20.8	0.61	.07	0.002	4.480	1.60
8524	14.8	0.43	.17	0.005	3.420	.42
8525	32.1	0.94	.21	0.006	7.930	.68
8526	2.2	0.06	.08	0.002	.432	.06



Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

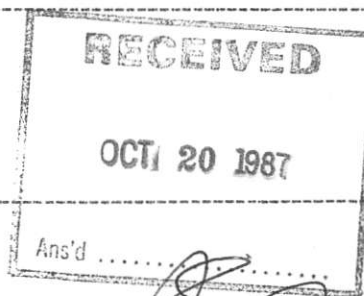
Certificate of GEOCHEM

Company: MINNOVA INC.
Project: 203
Attention: I PIRIE

File: 7-1595/P2
Date: OCT 13/87
Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	PB PPM	NI PPM	CO PPM
8502	42	56	54
8503	32	50	138
8506	41	100	167
8510	52	52	190
8511	39	46	153
8524	54	50	114
8525	48	44	160
8526	26	51	48



Certified by _____

MIN-EN LABORATORIES LTD.

COMPANY: MINNOVA INC.

PROJECT NO: 203

ATTENTION: I. PIRIE

MIN-EN LABS ICP REPORT

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

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

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-1595

* TYPE ROCK GEOCHEM * DATE: OCT 14, 1987

(VALUES IN PPM)	AG	CD	CU	NI	PB	ZN	AU-PPB
B501	.4	6	121	16	25	106	5
B504	1.3	13	1325	25	33	3478	10
B505	1.6	19	254	39	17	162	5
B507	1.4	20	643	65	16	144	5
B508	.7	22	571	75	17	86	5
B509	.3	19	466	67	28	49	5
B512	.7	11	848	28	31	140	10
B513	1.1	20	561	40	23	62	5
B514	.5	13	140	46	19	58	5
B515	1.3	15	751	43	24	218	10
B516	1.3	15	98	35	21	69	5
B517	2.4	20	1351	20	24	349	5
B518	1.1	14	292	24	25	513	5
B519	2.6	24	3823	14	33	723	10
B520	1.9	24	1527	31	37	1187	5
B521	1.5	23	1335	27	26	137	5
B522	.9	18	106	22	20	69	5
B523	1.1	17	749	51	22	80	10
B527	.4	11	110	29	22	50	5

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: MINNOVA INC.
Project: 215
Attention: MIKE GRAY

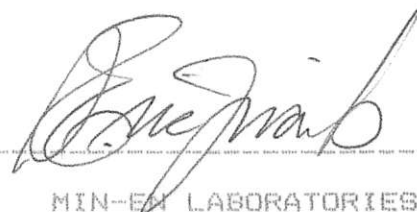
File: 7-1639/P1
Date: OCT 29/87
Type: PULP ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
BCD 7667	.80	0.023
BCD 7669	.88	0.026
BCD 7672	3.35	0.098
BCD 7673	.72	0.021



Certified by _____



MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

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

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: MINNOVA INC.
Project: 215
Attention: MIKE GRAY

File: 7-1699/P1
Date: OCT 29/87
Type: PULP ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
BCD 7713	.61	0.018



Certified by _____

MIN-EN LABORATORIES LTD.

COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1699

ATTENTION: MIKE GRAY

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

* TYPE ROCK BIOCHEM * DATE: OCT 30, 1987

(VALUES IN PPM)	AG	AS	B	CU	PR	SB	ZN	AU-PPB
BCD 7934	.3	7	2	8	21	1	46	30
BCD 7935	.6	14	1	8	54	1	43	5
BCD 7936	.4	14	1	5	8	1	20	335
BCD 7937	.5	6	2	4	21	1	34	5
BCD 7938	.5	9	2	5	25	6	51	5
BCD 7939	.8	10	1	7	34	1	72	5
BCD 7940	.8	10	10	47	32	2	165	5

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F26) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1699

ATTENTION: M. GRAY

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

* TYPE ROCK SEDCHEN *

DATE: OCT 30, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SIO2	SR	TIO2	ZR	TOT(%)
BCD 7934	14.73	.092	.13	1.64	2.00	.20	.02	4.57	74.19	.01	.21	.017	97.82
BCD 7935	13.37	.079	.42	1.15	2.45	.63	.02	3.48	75.95	.02	.19	.013	97.77
BCD 7936	13.63	.018	.09	1.52	.30	.08	.03	6.85	75.08	.01	.19	.014	97.81
BCD 7937	13.40	.080	.11	2.01	6.88	.14	.04	2.16	72.80	.01	.20	.013	97.84
BCD 7938	13.55	.107	.08	1.59	2.49	.16	.03	3.04	76.49	.01	.18	.013	97.74
BCD 7939	14.20	.321	1.17	1.98	4.04	1.44	.03	.87	73.52	.02	.23	.017	97.83
BCD 7940	13.22	.165	1.53	4.48	3.62	1.98	.08	.51	71.29	.01	.62	.010	97.52

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Ans'd

(VALUES IN PPM)	AG	AS	B	CU	PR	SB	ZN	AU-PPB
BCD 7699	4.1	4	6	26	75	9	68	10
BCD 7700	1.3	2	5	11	55	3	60	5
BCD 7701	1.3	3	1	12	42	4	57	10
BCD 7702	1.0	7	1	10	60	2	57	20
BCD 7703	1.2	1	1	9	74	2	40	5
BCD 7704	.6	2	2	6	63	1	208	10
BCD 7705	.7	1	2	7	42	1	55	30
BCD 7706	.7	8	3	6	61	1	63	40
BCD 7707	.5	1	1	10	50	1	157	150
BCD 7708	.6	5	2	6	39	1	41	20
BCD 7709	.5	3	1	5	24	1	46	10
BCD 7710	.7	9	1	6	30	1	32	70
BCD 7711	1.0	8	1	5	16	1	20	290
BCD 7933	.4	3	2	6	34	1	44	5

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Ans'd

COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F26) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1673

ATTENTION: MIKE GRAY

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

* TYPE ROCK GEOCHEM * DATE: OCT 30, 1987

VALUES IN %	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SiO2	SR	TiO2	IR	TOT(%)
BCD 7933	13.34	.091	.38	1.94	1.73	.18	.05	4.30	75.44	.01	.20	.016	97.68

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Ans'd

(VALUES IN PPM)	AG	AS	B	CD	PR	SB	ZN	AU-PPB
BCD 7761	2.3	3	4	9	250	1	423	40
BCD 7762	.3	1	2	4	12	1	35	120
BCD 7763	.8	9	2	6	84	1	58	400
BCD 7764	.7	1	2	10	27	1	77	310
BCD 7765	2.5	5	7	45	67	4	59	5100
BCD 7766	.5	9	2	2	28	1	50	20
BCD 7767	.4	11	1	3	24	1	58	10
BCD 7768	.6	7	2	11	43	1	85	220
BCD 7769	.3	11	1	3	10	1	46	5
BCD 7770	.2	9	1	4	29	1	59	30
BCD 7771	.2	6	1	2	18	1	44	20
BCD 7772	.4	2	1	5	26	1	48	35
BCD 7773	1.0	8	4	9	63	1	104	10
BCD 7774	.7	9	5	8	43	1	125	5
BCD 7775	.4	7	2	5	63	1	130	5
BCD 7776	1.3	25	1	2	17	3	28	45
BCD 7777	.4	4	1	2	20	1	35	10
BCD 7778	.6	5	3	7	26	1	49	115

where from?

Alex,
 5100 ppb Au
 From
 BAR-10 (43 m W of
 Bar 3 drilled
 EAST)
 @ 5.60-6.00 m
 10% PY AS IRREG VEINS
 2-5mm THICK, C/A 15°

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1753

ATTENTION: M.GRAY

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

* TYPE ROCK GEDCHEN * DATE: NOV 2, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7946	.6	4	5	4	39	2	71	20
BCD 7947	.3	7	1	2	10	1	30	5

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Ans'd

PROJECT NO: 215

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

FILE NO: 7-1753

ATTENTION: M.GRAY

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

* TYPE ROCK GEOCHEM *

DATE: NOV 3, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SiO2	SR	TiO2	ZR	TOT (%)
BCD 7946	13.43	.184	.04	5.31	3.92	.28	.25	1.44	72.47	.01	.20	.016	97.55
BCD 7947	13.47	.067	.08	1.13	1.09	.10	.03	5.41	75.96	.01	.20	.019	97.56

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1743R

ATTENTION: MIKE GRAY

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

* TYPE ROCK GEDCHEN * DATE: OCT 31, 1987

(VALUES IN PPM)	AG	AS	B	CU	PR	SR	ZN	AU-PPB
BCD 7724	.6	1	8	17	44	1	67	10
BCD 7725	.5	3	7	9	28	1	45	5
BCD 7734	.4	5	5	4	14	1	38	15
BCD 7735	.6	5	3	6	23	1	26	145
BCD 7736	.3	1	2	3	15	1	40	65
BCD 7737	.2	7	2	4	13	1	24	60
BCD 7738	.4	5	1	4	55	1	39	25
BCD 7739	.3	1	1	4	20	1	49	70
BCD 7740	.6	1	5	6	56	1	73	100
BCD 7741	.8	12	5	11	47	1	49	1050
BCD 7742	.4	3	3	5	11	1	45	50
BCD 7743	.7	1	9	4	37	1	50	70
BCD 7744	.5	3	6	3	18	1	46	30
BCD 7745	.9	1	8	18	385	2	153	760
BCD 7746	.5	2	5	13	59	1	77	30
BCD 7747	.3	8	10	3	20	2	43	20
BCD 7748	.2	13	9	2	28	1	47	5
BCD 7749	1.0	24	2	5	213	3	42	10
BCD 7750	.6	18	4	9	101	1	182	65
BCD 7751	.8	15	3	5	23	2	93	90
BCD 7752	.7	13	2	9	16	1	68	360
BCD 7753	.4	4	5	9	26	1	150	180
BCD 7754	.4	6	3	5	10	1	82	215
BCD 7755	.1	2	1	6	31	1	59	60
BCD 7756	.3	5	2	6	183	1	44	10
BCD 7757	.3	5	5	4	64	1	51	20
BCD 7758	.3	3	5	3	25	1	126	150
BCD 7759	2.7	66	11	55	24	10	568	10
BCD 7760	1.5	40	10	48	22	5	371	5



COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1743

ATTENTION: M. GRAY

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

* TYPE ROCK GEOCHEM * DATE: NOV 2, 1987

(VALUES IN PPM)	AG	AS	R	CU	PB	SB	ZN	AU-PPB
BCD 7941	.9	1	19	52	18	3	188	5
BCD 7942	.4	8	1	7	44	1	23	390
BCD 7943	.7	7	3	7	86	1	79	85
BCD 7944	.5	8	1	4	15	1	38	300
BCD 7945	1.0	3	18	44	22	1	167	5

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PROJECT NO: 215

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

FILE NO: 7-1743

ATTENTION: M.GRAY

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

* TYPE ROCK GEOCHEM *

DATE: NOV 3, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SiO2	SR	TiO2	ZR	TOT(%)
BCD 7941	14.85	.144	1.85	5.52	3.58	2.48	.07	.98	66.82	.02	.74	.013	97.08
BCD 7942	12.30	.010	.03	2.18	.13	.05	.01	6.66	76.04	.01	.18	.013	97.62
BCD 7943	12.99	.072	.04	1.54	1.43	.14	.02	4.80	76.42	.01	.20	.014	97.69
BCD 7944	12.87	.007	.09	.95	.10	.06	.03	7.01	76.22	.01	.18	.013	97.53
BCD 7945	13.63	.122	2.41	5.82	3.35	2.41	.08	.49	67.95	.02	.82	.013	97.12

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COMPANY: MINNOVA INC.
 PROJECT NO: 215
 ATTENTION: M. GRAY

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

(ACT:F31) PAGE 1 OF 1
 FILE NO: 7-1775/P1+2
 * TYPE ROCK GEOCHEM * DATE: NOV 2, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7779	4.0	6	9	19	70	5	109	980
BCD 7780	.9	13	3	5	19	2	38	525
BCD 7781	.8	1	5	5	30	1	60	35
BCD 7782	.5	2	5	4	17	1	53	80
BCD 7783	.7	9	3	4	21	2	36	15
BCD 7784	.7	8	3	6	16	1	50	125
BCD 7785	.8	13	4	6	29	2	41	500
BCD 7786	.9	17	5	13	25	1	59	450
BCD 7787	.8	11	5	8	15	2	33	200
BCD 7788	.7	7	4	6	22	1	39	100
BCD 7789	.8	9	2	3	19	1	39	110
BCD 7790	.6	8	2	5	20	1	60	125
BCD 7791	.7	7	2	3	18	1	73	10
BCD 7792	.7	11	2	3	34	2	54	55
BCD 7793	.6	13	1	2	12	2	29	5
BCD 7794	.5	21	4	6	13	2	39	20
BCD 7795	.5	17	2	4	10	2	32	25
BCD 7796	.5	12	1	4	13	1	36	15
BCD 7797	.5	11	3	4	14	1	28	5
BCD 7798	.5	10	2	3	12	2	26	10
BCD 7799	.6	8	1	7	15	2	29	5
BCD 7800	1.0	1	6	6	80	1	62	40
BCD 7801	.5	12	2	2	21	1	43	35
BCD 7948	.8	1	2	5	32	2	67	5
BCD 7949	.9	13	1	7	54	2	443	315
BCD 7950	.8	6	2	8	12	1	51	90

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PROJECT NO: 215

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

FILE NO: 7-1772

ATTENTION: M. GRAY

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

* TYPE ROCK GEOCHEM *

DATE: NOV 3, 1987

(VALUES IN %)	AL2O3	BA	CAD	FE2O3	K2O	MGO	MNO2	NA2O	SiO2	SR	TiO2	ZR	TOT(%)
BCD 7948	13.34	.116	.11	5.02	2.31	.27	.19	3.43	72.73	.01	.20	.012	97.73
BCD 7949	12.11	.051	.22	4.72	.79	.21	.09	5.13	74.10	.01	.19	.010	97.64
BCD 7950	12.59	.048	.56	5.22	.81	.32	.16	5.51	72.17	.02	.18	.008	97.59

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COMPANY: MINROVA INC.

PROJECT NO: 215

ATTENTION: MIKE GRAY

MIN-EN LABS ICP REPORT

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

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

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-1792/P1

* TYPE ROCK BEDCHEM * DATE: NOV 5, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7838	.5	5	1	22	20	1	38	15
BCD 7839	.5	7	3	18	21	2	39	5
BCD 7840	1.0	13	2	20	37	2	64	10
BCD 7841	.7	7	2	25	18	1	38	5
BCD 7842	.8	10	1	23	27	1	40	5
BCD 7843	1.0	7	5	25	25	4	83	5
BCD 7844	1.1	11	3	30	44	1	52	10
BCD 7845	.9	12	2	36	31	2	113	5
BCD 7846	1.1	15	6	107	32	2	130	5
BCD 7847	1.2	11	6	129	32	1	135	5
BCD 7848	1.0	16	9	142	39	2	114	10
BCD 7849	1.1	12	8	161	39	1	120	5
BCD 7850	1.1	7	6	160	32	1	91	5
BCD 7851	1.0	15	8	93	36	6	99	5
BCD 7852	.9	20	9	47	28	5	85	10

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1792R

ATTENTION: MIKE GRAY

(604)980-5814 DR (604)980-4524

* TYPE ROCK GEOCHEM * DATE: NOV 9, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7958	.7	13	3	19	25	2	59	5
BCD 7959	.9	9	6	32	39	5	86	5
BCD 7960	.8	14	7	186	36	1	125	5
BCD 7964	1.0	28	7	212	27	4	68	5

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COMPANY: MINNOVA INC.
PROJECT NO: 215
ATTENTION: MIKE GRAY

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

(ACT:F26) PAGE 1 OF 1
FILE NO: 7-1792
DATE: NOV 9, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MSD	MND2	NA2O	SI02	SR	TIO2	ZR	TOT(%)
BCD 7958	13.89	.130	2.02	2.92	3.57	1.27	.08	.47	73.02	.02	.28	.014	97.69
BCD 7959	20.02	.158	3.79	10.04	4.77	2.49	.27	1.88	52.82	.03	.96	.007	97.45
BCD 7960	20.99	.138	2.64	7.59	3.73	1.36	.07	3.69	55.65	.03	1.44	.010	97.34
BCD 7964	16.86	.109	3.42	9.24	3.72	3.99	.20	1.03	56.49	.03	2.32	.010	97.41

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COMPANY: MINNOVA INC.
 PROJECT NO: 215
 ATTENTION: MIKE GRAY

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

(ACT:F31) PAGE 1 OF 1
 FILE NO: 7-1809/P1
 * TYPE ROCK GEOCHEM * DATE: NOV 6, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7853	1.3	30	5	104	32	3	61	20
BCD 7854	1.0	31	2	46	28	2	52	10
BCD 7855	.9	18	3	38	28	2	60	5
BCD 7856	.7	1	5	30	22	1	71	5
BCD 7857	.7	1	5	28	18	1	55	5
BCD 7858	.6	9	2	32	24	2	35	5
BCD 7859	1.0	8	2	35	24	1	140	10
BCD 7860	.8	1	6	89	43	1	148	20
BCD 7861	.8	1	4	23	28	1	69	5
BCD 7862	.9	6	3	15	25	3	63	5
BCD 7863	.8	7	4	14	25	3	56	5
BCD 7864	.9	12	4	20	28	1	53	10
BCD 7865	.9	1	4	14	21	3	64	5
BCD 7866	1.0	10	4	26	25	1	54	5
BCD 7867	.9	7	3	27	31	2	38	5
BCD 7868	.8	2	2	18	26	1	45	5
BCD 7869	.9	10	3	20	22	3	66	5
BCD 7870	.9	8	4	26	37	1	40	10
BCD 7871	1.1	17	4	60	32	4	59	5
BCD 7872	6.0	34	5	56	238	19	308	20
BCD 7873	1.4	2	3	17	47	2	51	5
BCD 7874	1.4	12	3	18	40	1	38	5
BCD 7875	1.1	17	2	17	29	1	37	5
BCD 7876	1.1	3	8	132	31	1	70	10
BCD 7877	1.2	2	12	129	37	6	107	5

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: PN 215

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

FILE NO: 7-1809R

ATTENTION: MIKE GRAY

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

* TYPE ROCK GEOCHEM *

DATE: NOV 9, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7961	.9	6	8	9	29	1	54	5
BCD 7962	.7	8	3	6	28	4	38	5
BCD 7963	.8	16	4	5	26	2	49	10
BCD 7965	1.3	18	5	28	34	2	49	5
BCD 7966	1.1	9	7	16	26	1	60	5
BCD 7967	1.2	2	5	15	34	3	31	5



COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

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PROJECT NO: 215

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

FILE NO: 7-1809

ATTENTION: MIKE GRAY

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

* TYPE ROCK BECHER #

DATE: NOV 9, 1987

VALUES IN %	AL2O3	BA	CAD	FE2O3	K2O	MGO	MNO2	NA2O	SiO2	SR	TIO2	ZR	TOT(%)
BCD 7961	13.75	.175	.88	2.80	3.20	1.02	.04	3.06	72.05	.01	.31	.029	97.32
BCD 7962	13.58	.087	.57	2.31	3.86	.70	.03	2.96	73.26	.01	.29	.029	97.69
BCD 7963	13.12	.096	.82	2.20	4.44	.72	.04	2.28	73.67	.01	.29	.027	97.72
BCD 7965	12.77	.099	7.71	4.93	3.43	3.77	.14	.29	63.11	.04	.61	.013	96.89
BCD 7966	17.96	.085	4.82	6.22	2.56	.91	.10	1.66	58.06	.04	1.11	.015	93.53
BCD 7967	16.07	.059	6.46	7.47	3.32	2.44	.12	1.51	58.57	.03	1.01	.014	97.05

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COMPANY: MINIMIN INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1822

ATTENTION: MIKE GRAY

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

* TYPE ROCK SEDCHEM * DATE: NOV 9, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SR	ZN	AU-PPB
BCD 7899	.4	4	2	166	18	2	1047	5
BCD 7900	.3	53	3	268	11	3	1589	15
BCD 7901	.4	10	3	174	17	2	3460	10
BCD 7902	1.3	19	4	656	23	3	344	10
BCD 7903	1.6	9	1	117	37	2	1319	5
BCD 7904	1.3	8	3	57	43	1	1127	5
BCD 7905	.9	8	3	70	13	1	338	5

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COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1822R

ATTENTION: MIKE GRAY

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

* TYPE ROCK BEDCHEN *

DATE: NOV 9, 1987

VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PPB
BCD 7971	.7	10	2	86	21	2	64	5
BCD 7972	.8	21	3	296	16	3	3631	5

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Ans'd

COMPANY: MINNOVA INC.

MIN-EN LABS ICP REPORT

(ACT:F26) PAGE 1 OF 1

PROJECT NO: 215

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

FILE NO: 7-1822

ATTENTION: MIKE GRAY

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

* TYPE ROCK BEDCHEM *

DATE: NOV 9, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SI02	SR	TIO2	ZR	TOT(%)
BCD 7971	11.71	.156	.13	1.91	6.67	.18	.02	.71	76.01	.01	.19	.015	97.71
BCD 7972	11.83	.121	.07	3.81	3.93	.45	.01	.10	76.82	.01	.19	.020	97.35

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COMPANY: MINNOVA INC.
PROJECT NO: GENERAL 303
ATTENTION: G. WELLS

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

(ACT:F31) PAGE 1 OF 1
FILE NO: 7-1833R
DATE: NOV 9, 1987

* TYPE ROCK BEDCHEN *

(VALUES IN PPM)	AG	AS	B	CU	FB	SB	ZN	AU-PPB
BC1	1.4	15	22	20	26	5	96	5
BC9	1.8	13	20	35	11	3	66	10

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Ans'd

COMPANY: MINNOVA INC.
PROJECT NO: GENERAL 303
ATTENTION: G. WELLS

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

(ACT:F26) PAGE 1 OF 1
FILE NO: 7-1833
DATE: NOV 9, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SI02	SR	TIO2	ZR	TOT(%)
BC1	18.34	.090	3.05	7.17	2.29	3.27	.21	3.04	59.28	.06	.61	.008	97.42
BC9	15.61	.034	7.77	5.68	1.74	2.12	.21	2.92	54.80	.03	.52	.006	91.44

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Ans'd

COMPANY: MINNOVA INC.

PROJECT NO: 215

ATTENTION: M. J. GRAY

MIN-EN LABS ICP REPORT

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

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

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-1838/P3

* TYPE ROCK GEOCHEM * DATE:NOV 16, 1987

(VALUES IN PPM)	AG	AS	B	CU	PB	SB	ZN	AU-PFB
BCD 7951	.5	15	3	8	13	2	12	5
BCD 7952	.9	2	11	21	15	1	25	10
BCD 7968	1.0	18	10	77	40	2	66	5
BCD 7969	1.2	24	10	62	50	1	60	10
BCD 7970	1.0	6	9	17	25	1	57	5
BCD 7973	.8	134	3	623	51	4	4193	10
ECD 7974	.9	9	4	32	22	1	58	5
BCD 7976	.7	5	12	8	63	2	78	5
BCD 7977	.5	9	20	15	21	4	87	5
BCD 7978	.5	25	4	5	12	1	11	5
BCD 7979	.5	12	10	3	15	2	13	10

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 Ans'd

COMPANY: MINNOVA INC.

MIN-EM LABS ICP REPORT

(ACT:F26) PAGE 1 OF 1

PROJECT NO: 215

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2

FILE NO: 7-1838/P3

ATTENTION: M.J. GRAY

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

* TYPE ROCK BEDCHEN *

DATE: NOV 16, 1987

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	SIO2	SR	TIO2	ZR	TOT(%)
BCD 7951	13.34	.092	1.00	1.88	2.21	.55	.02	4.27	74.04	.01	.29	.031	97.74
BCD 7952	13.14	.066	1.44	3.43	2.50	1.21	.04	2.98	72.13	.01	.28	.028	97.25
BCD 7968	16.23	.036	7.31	9.11	2.54	2.59	.15	3.05	54.82	.04	.95	.011	96.82
BCD 7969	12.88	.038	11.28	9.54	2.46	4.97	.24	.98	52.96	.03	1.60	.012	96.99
BCD 7970	17.47	.064	6.57	8.05	3.67	2.92	.30	1.26	55.49	.03	1.13	.010	96.97
BCD 7973	11.49	.140	.24	2.71	3.12	.63	.01	1.17	77.41	.01	.19	.015	97.13
BCD 7974	19.44	.320	1.29	2.56	6.57	2.42	.05	.21	63.69	.01	.32	.032	96.90
BCD 7976	17.34	.279	.38	2.54	4.74	2.88	.04	.60	68.32	.01	.28	.031	97.43
BCD 7977	18.09	.323	.17	2.89	4.24	4.53	.02	.38	66.43	.01	.29	.028	97.37
BCD 7978	5.69	.060	.86	.71	.78	1.25	.02	1.26	86.65	.01	.13	.005	97.40
BCD 7979	15.00	.318	.47	1.26	3.93	3.26	.02	.61	72.33	.01	.21	.007	97.43

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NOV 18 1987

Ans'd

(VALUES IN PPM)	AG	AS	R	CU	PB	SB	ZN	AU-PPB
BCD 7878	.9	24	8	74	33	1	93	5
BCD 7879	1.0	10	8	71	37	2	71	10
BCD 7880	1.1	8	10	70	38	2	62	10
BCD 7881	1.1	5	11	72	29	2	70	5
BCD 7882	.9	6	11	78	31	1	63	5
BCD 7883	.9	14	8	75	30	2	57	10
BCD 7884	1.0	5	11	72	29	2	74	5
BCD 7885	1.0	16	6	60	22	2	47	5
BCD 7886	1.1	19	6	50	28	3	92	5
BCD 7887	.9	14	7	54	28	2	64	10
BCD 7888	.9	14	7	68	48	2	49	5
BCD 7889	.8	1	11	58	44	3	75	5
BCD 7890	.9	21	14	60	28	2	91	10
BCD 7891	1.2	24	5	52	37	1	43	5
BCD 7892	1.0	15	5	68	38	2	60	5
BCD 7893	1.0	8	7	28	31	2	65	5
BCD 7894	.6	1	10	13	13	2	72	5
BCD 7895	.7	6	8	11	24	2	78	10
BCD 7896	.7	5	5	7	25	2	84	10
BCD 7897	.4	3	7	16	11	2	37	5
BCD 7898	.4	1	9	9	13	2	49	5
BCD 7906	1.0	10	3	48	14	2	25	5
BCD 7907	1.2	11	3	37	79	1	56	10
BCD 7908	.9	9	4	17	29	2	248	5
BCD 7909	.7	3	4	152	19	2	2169	5
BCD 7910	.8	8	4	153	36	3	1433	5
BCD 7911	.9	8	6	33	18	2	277	5
BCD 7912	.9	8	3	21	45	1	156	5
BCD 7913	.6	59	4	28	23	3	177	10
BCD 7914	.8	38	7	40	58	3	232	5
BCB 7915	.6	68	10	54	67	1	169	5
BCB 7916	.5	31	10	44	98	2	199	10
BCB 7917	.8	5	10	37	33	2	96	5
BCB 7918	.7	1	11	33	53	1	122	10
BCB 7919	1.0	3	9	17	92	2	241	5
BCB 7975	.6	9	10	39	35	3	93	5

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COMPANY: MINNOVA
 PROJECT NO: ALEX CK/215
 ATTENTION: I. PIRIE/D. BLACKADAR

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

(ACT:F31) PAGE 1 OF 1
 FILE NO: B-1019/P1+2
 DATE: JULY 27, 1988

(VALUES IN PPM)	AG	AS	BA	CU	PB	SB	ZN	AU-PPB
ACS3000	.8	13	122	13	21	4	103	5
ACS3001	1.3	14	105	11	16	5	73	10
ACS3002	1.6	20	110	11	11	6	86	5
ACS3003	1.6	24	124	12	18	7	95	5
ACS3004	1.6	23	153	20	11	5	166	5
ACS3005	1.7	21	132	22	9	5	106	5
ACS3006	1.5	5	117	14	13	5	121	5
ACS3007	1.5	20	101	12	16	4	107	10
ACS3008	.5	30	94	1	10	3	126	5
ACS3009	1.2	1	113	16	10	5	88	5
ACS3010	1.4	7	127	11	12	5	107	10
ACS3011	1.4	14	175	14	17	6	118	5
ACS3012	1.2	14	216	12	17	5	149	5
ACS3013	1.8	7	67	32	14	6	92	5
ACS3014	.8	14	102	11	12	4	105	5
ACS3015	1.8	10	70	12	6	6	73	5
ACS3016	1.3	10	93	15	10	4	75	5
ACS3017	1.8	10	95	11	12	6	65	5
ACS3018	1.8	9	157	12	12	6	127	5
ACS3019	1.0	1	127	11	10	5	91	10
ACS3020	1.3	6	130	12	12	5	133	5
ACS3021	.8	13	172	11	11	5	99	5
ACS3022	1.4	22	144	16	15	5	72	5
ACS3023	1.8	6	78	19	12	8	79	5
ACS3024	1.2	16	77	12	8	5	78	10
ACS3025	1.5	25	144	18	14	3	103	10
ACS3026	1.9	28	117	3	22	6	66	5
ACS3027	1.9	27	83	10	11	6	83	5
ACS3028	1.5	17	118	13	18	6	129	5
ACS3029	.7	23	248	15	19	4	171	5
ACS 3030	1.5	11	185	18	14	7	131	5
ACS 3031	1.5	34	151	17	14	8	87	5
ACS 3032	.7	21	142	17	17	5	107	5
ACS 3033	.3	1	154	11	12	4	119	5
ACS 3034	1.3	1	120	19	11	6	72	5
ACS 3035	1.3	21	90	18	18	7	93	5
ACS 3036	1.5	9	104	16	18	7	97	10
ACS 3037	.8	12	258	16	17	6	121	5
ACS 3038	.6	1	134	12	18	6	93	5
ACS 3039	1.0	6	200	13	15	7	100	5
ACS 3040	1.0	10	159	13	13	7	103	5
ACS 3041	.4	14	180	11	16	7	131	5
ACS 3042	.8	1	135	13	15	6	89	5
ACS 3043	1.2	4	111	11	8	7	94	5
ACS 3044	.7	15	151	11	13	6	85	10
ACS 3045	.6	1	169	11	12	6	112	5
ACS 3046	.6	14	163	13	21	7	103	5
ACS 3047	.4	21	449	15	16	5	172	10
ACS 3048	1.3	8	94	15	13	6	87	5
ACS 3049	1.4	14	155	13	15	8	109	10
ACS 3050	1.9	32	86	14	14	8	83	10
ACS 3051	1.6	15	132	16	16	8	102	5
ACS 3052	.8	31	124	10	13	6	104	5
ACS 3053	.8	1	132	11	16	5	106	5
ACS 3054	1.2	6	94	12	11	7	114	10
ACS 3055	1.3	3	127	14	19	5	103	10
ACS 3056	.7	12	116	11	10	5	78	5
ACS 3057	1.1	25	57	8	15	7	68	10
ACS 3058	2.5	51	24	11	10	10	31	5
ACS 3059	1.5	19	80	22	17	8	79	5

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(VALUES IN PPM)	AS	AS	BA	CU	PB	SB	ZN	AU-PPB
ACS3060	1.8	15	95	17	15	7	106	5
ACS3061	.2	15	145	11	18	4	139	5
ACS3062	1.3	34	155	13	16	8	90	5
ACS3063	1.4	4	224	11	9	6	183	5
ACS3064	.7	25	238	16	15	6	106	5
ACS3065	.3	14	213	21	20	4	114	5
ACS3066	1.6	7	163	14	12	7	99	5
ACS3067	1.2	14	220	11	12	5	116	10
ACS3068	1.1	17	153	10	14	6	67	10
ACS3069	1.4	11	141	13	8	5	96	5
ACS3070	2.4	20	113	20	16	7	114	5
ACS3071	2.1	39	62	14	15	7	76	10
ACS3072	1.5	23	99	13	16	6	110	5
ACS3073	.9	39	126	13	15	8	70	5
ACS3074	1.4	6	101	11	15	7	97	5
ACS3075	1.3	13	124	12	14	6	93	5
ACS3076	.9	1	237	13	17	5	140	5
ACS3077	.4	12	154	11	18	4	129	5
ACS3078	.3	4	205	14	16	4	142	10
ACS3079	1.0	21	81	11	12	5	63	5
ACS3080	.4	14	135	11	20	5	96	5
ACS3081	1.0	11	83	10	13	6	62	5
ACS3082	1.1	17	77	10	18	6	65	5
ACS3083	1.5	10	96	17	13	5	74	5
ACS3084	1.6	11	55	8	11	7	63	5
ACS3085	.4	9	205	11	17	5	114	5
ACS3086	1.4	20	100	11	11	7	55	5
ACS3087	1.4	18	112	10	13	5	59	5
ACS3088	1.2	17	108	10	14	5	63	10
ACS3089	1.0	24	75	13	9	6	47	10
ACS3090	1.7	16	115	16	12	7	90	5
ACS3091	1.4	15	95	13	10	7	76	5
ACS3092	1.3	24	94	13	14	7	74	5
ACS3093	.7	1	196	14	11	4	132	5
ACS3094	1.1	9	82	18	9	5	109	10
ACS3095	1.1	14	70	18	13	5	88	5
ACS3096	1.0	12	73	15	7	4	78	10
ACS3097	1.2	17	78	15	14	5	81	5
ACS3098	1.6	28	56	15	10	7	59	5
ACS3099	1.7	34	60	15	10	7	61	5
ACS3100	1.4	16	162	13	10	6	73	5
ACS3101	.8	12	189	12	13	5	81	5
ACS3102	.9	19	97	13	11	5	82	5
ACS3103	.8	21	172	11	13	5	77	5
ACS3104	1.2	17	71	12	14	5	63	5
ACS3105	.6	2	83	11	9	3	77	5
ACS3106	.9	5	112	16	8	5	95	10
ACS3107	.7	12	108	18	9	4	93	10
ACS3108	1.0	5	128	13	13	4	97	5
ACS3109	1.2	5	120	13	11	7	97	5
ACS3110	1.0	9	135	11	14	5	100	5
ACS3111	1.4	21	104	13	11	6	87	5
ACS3112	.6	1	126	13	11	4	93	5
ACS3113	1.2	7	113	14	13	6	123	5
ACS3114	1.2	11	102	12	12	5	92	10
ACS3115	1.0	17	110	12	12	6	102	5
ACS3116	1.0	15	106	13	13	5	107	5
ACS3117	1.0	13	128	12	13	5	123	5
ACS3118	.8	25	130	14	12	6	111	5
ACS3119	1.0	17	113	10	10	6	113	5

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(VALUES IN PPM)	AG	AS	BA	CU	PB	SB	ZN	AU-PPB
ACS3120	1.2	25	91	11	14	5	57	5
ACS3121	.5	19	113	11	15	5	54	5
ACS3122	1.1	9	107	14	13	5	72	5
ACS3123	1.8	20	91	16	13	7	64	5
ACS3124	1.4	9	107	15	10	4	117	10
ACS3125	1.4	1	96	13	9	5	121	5
ACS3126	1.6	20	83	14	13	6	110	5
ACS3127	1.5	15	75	10	11	5	90	5
ACS3128	1.3	14	125	12	13	5	104	10
ACS3129	1.4	18	109	14	11	7	108	10
ACS3130	1.2	24	95	11	13	4	107	5
ACS3131	1.2	11	102	14	14	6	119	10
ACS3133	1.2	14	96	9	10	4	77	5
ACS3134	1.2	28	86	16	15	5	115	5
ACS3135	1.3	27	58	15	9	7	48	5
ACS3136	.4	13	118	15	17	5	104	20
ACS3137	N/S							
ACS3138	1.1	7	87	16	7	4	102	5
ACS3139	.8	1	104	15	8	3	112	10
ACS3140	1.2	1	96	16	8	5	104	5
ACS3141	1.1	3	103	15	11	4	113	5
ACS3142	1.0	16	203	12	12	5	76	5
ACS3143	1.2	24	191	12	10	5	70	10
ACS3144	1.5	22	86	12	11	7	61	10
ACS3145	1.6	30	62	11	9	6	58	5
ACS3146	1.6	29	102	12	11	8	65	5
ACS3147	1.6	32	191	13	11	7	71	10
ACS3148	1.2	23	222	13	11	7	83	10
ACS3149	1.3	29	210	14	10	7	73	5
ACS3150	1.6	30	196	13	15	6	102	5
ACS3151	1.2	4	103	21	14	6	74	5
ACS3152	.6	2	89	15	6	4	99	5
ACS3153	1.0	5	130	16	12	4	103	15
ACS3154	.7	1	98	16	11	4	96	10
ACS3155	.9	19	150	15	11	5	81	5
ACS3156	1.1	15	102	13	11	6	65	5
ACS3157	1.3	12	126	15	11	6	73	5
ACS3158	1.1	15	144	14	14	6	76	5
ACS3159	1.1	19	82	13	10	6	92	10
ACS3160	.7	15	86	12	10	5	95	5
ACS3161	.5	4	99	11	8	3	109	5
ACS3162	.7	8	101	11	13	5	94	5
ACS3163	.6	7	93	12	12	4	97	5
ACS3164	.6	4	89	12	8	4	102	5
ACS3165	.9	12	114	11	13	5	98	10
ACS3166	1.4	4	80	12	9	5	89	5
ACS3167	1.3	10	74	11	8	6	84	5
ACS3168	.8	1	150	15	12	5	91	5
ACS3169	.9	6	106	10	13	4	94	5
ACS3170	1.2	17	86	11	13	6	74	10
ACS3171	1.1	14	112	11	13	5	71	5
ACS3172	1.0	2	148	12	10	4	93	10
ACS3173	.8	5	149	11	10	4	86	5
ACS3174	.8	8	151	12	11	4	95	5
ACS3175	1.0	13	173	12	16	6	101	10
ACS3176	1.0	10	126	13	14	5	102	5
ACS3177	1.4	16	114	16	14	7	91	10
ACS3178	.8	1	100	17	13	5	123	5
ACS3179	.7	1	105	17	13	5	99	5
ACS3180	1.2	19	137	10	12	6	120	20

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ACS3181	1.6	34	67	13	14	8	77	5
ACS3182	.9	18	147	18	19	6	100	5
ACS3183	.6	15	237	13	12	4	112	5
ACS3184	1.4	27	148	14	13	7	98	10
ACS3185	1.5	54	62	43	24	7	79	5
ACS3186	1.4	35	127	15	11	7	80	10
ACS3187	1.1	49	116	33	17	8	85	5
ACS3188	1.3	27	112	16	14	7	77	5
ACS3189	.9	26	98	11	14	5	71	5
ACS3190	1.1	11	118	19	12	5	82	10
ACS3191	1.0	7	117	32	15	6	76	10
ACS3192	1.5	49	97	15	12	8	48	5
ACS3193	.8	26	175	20	15	5	107	5
ACS3194	1.2	25	145	26	20	7	111	5
ACS3195	1.1	16	163	11	13	6	84	5
ACS3196	1.1	10	101	10	14	5	86	5
ACS3197	.6	8	195	17	19	5	104	10
ACS3198	1.3	33	225	14	17	6	94	5
ACS3199	1.5	28	62	29	16	7	85	5
ACS3200	1.7	12	60	16	13	7	83	5
ACS3201	.1	6	220	11	21	3	147	10
ACS3202	1.7	35	82	11	16	7	71	5
ACS3203	1.9	33	66	11	16	6	94	15
ACS3204	1.5	11	45	11	15	7	71	5
ACS3205	1.4	19	60	10	13	6	86	10
ACS3206	1.2	29	68	11	17	6	139	10
ACS3207	.4	23	106	9	20	5	69	5
ACS3208	1.4	27	73	11	14	6	66	5
ACS3209	.6	1	168	9	26	5	104	10
ACS3210	.5	19	300	10	24	3	368	5
ACS3211	1.0	9	85	11	8	12	82	5
ACS3212	1.3	3	40	13	5	12	62	5
ACS3213	.9	12	147	10	8	11	86	5
ACS3214	1.8	6	78	17	17	13	53	5
ACS3215	1.4	15	103	14	8	12	95	5
ACS3216	1.2	25	115	10	8	13	76	5
ACS3217	.3	20	347	17	18	6	121	5
ACS3218	1.3	20	121	11	12	12	85	10
ACS3219	1.1	12	106	9	3	12	109	5
ACS3220	.9	21	112	15	18	12	95	5
ACS3221	.4	7	106	14	22	11	91	10
ACS3222	1.1	14	121	9	8	12	90	5
ACS3223	1.5	12	105	12	7	13	56	5
ACS3224	1.3	2	99	8	14	13	93	5
ACS3225	1.5	27	47	13	5	13	55	5
ACS3226	.3	9	153	38	17	8	99	10
ACS3227	1.0	12	140	16	8	11	72	10
ACS3228	.7	14	203	14	16	10	259	15
ACS3229	1.6	30	185	12	10	13	105	10
ACS3230	1.3	36	143	12	11	13	54	5
ACS3231	1.8	39	132	14	6	14	66	10
ACS3232	.9	33	254	16	13	12	94	10
ACS3233	.4	5	298	19	14	11	107	5
ACS3234	.9	2	267	15	9	12	129	5
ACS3235	.9	18	112	54	12	10	78	10
ACS3236	.4	1	548	49	13	5	162	5
ACS3237	1.5	16	151	27	5	14	90	5
ACS3238	1.7	24	161	27	5	13	78	15
ACS3239	.5	23	160	12	8	12	136	10
ACS3240	.4	2	250	19	8	11	103	5

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ACS3241	.5	23	90	19	13	5	105	5
ACS3242	.5	16	109	33	16	5	125	5
ACS3243	1.4	27	103	18	16	5	131	5
ACS3244	1.2	18	111	18	17	6	161	5
ACS3245	.3	15	154	25	15	4	131	5
ACS3246	.5	1	132	25	17	3	93	5
ACS3247	.8	15	75	13	11	5	69	5
ACS3248	.4	1	154	13	13	5	67	10
ACS3249	.1	1	85	51	13	5	79	5
ACS3250	.4	12	103	21	12	4	71	5
ACS3251	.1	12	263	11	10	4	82	5
ACS3252	.5	1	218	19	14	5	81	5
ACS3253	.4	1	237	25	15	5	70	10
ACS3254	.4	18	169	13	14	5	75	5
ACS3255	.6	18	86	20	16	5	73	5
ACS3256	.9	18	101	11	12	5	89	10
ACS3257	1.5	40	88	22	18	6	110	5
ACS3258	1.0	30	103	12	16	5	71	10
ACS3259	.8	21	119	15	12	6	58	10
ACS3260	.9	17	84	12	18	4	84	5
ACS3261	.3	8	303	13	19	2	126	5
ACS3262	.4	33	111	15	21	5	65	5
ACS3263	.5	2	143	12	21	5	86	15
ACS3264	.5	21	164	14	19	4	126	10
ACS3265	.9	22	106	11	14	5	54	5
ACS3266	.3	2	142	14	15	6	120	5
ACS3267	1.0	3	64	15	17	5	71	5
ACS3268	.4	1	176	16	11	4	112	5
ACS3269	1.0	10	84	11	13	5	88	10
ACS3270	.7	1	109	16	19	5	94	5
ACS3271	1.1	34	189	12	11	6	102	5
ACS3272	.9	17	81	18	11	5	43	5
ACS3273	.8	4	128	14	16	4	58	5
ACS3274	.5	1	88	13	15	2	73	10
ACS3275	1.4	26	58	12	13	6	56	10
ACS3276	.8	14	87	24	10	5	64	20
ACS3277	.8	1	54	15	10	5	60	10
ACS3278	1.0	27	93	12	12	6	61	5
ACS3279	.9	15	109	15	20	4	65	5
ACS3280	1.1	14	101	14	12	4	56	5
ACS3281	.4	2	146	10	14	3	91	10
ACS3282	.8	9	88	14	13	3	85	5
ACS3283	.8	5	131	12	19	4	90	10
ACS3284	.2	17	231	13	12	1	158	5
ACS3285	1.1	18	124	11	18	6	102	5
ACS3286	.9	12	185	11	13	3	146	10
ACS3287	.9	26	97	11	15	5	96	5
ACS3288	1.1	8	178	11	16	4	152	10
ACS3289	.8	1	78	21	16	5	76	15
ACS3290	1.0	24	131	12	13	5	87	10
ACS3291	1.3	24	92	18	16	5	117	5
ACS3292	.4	11	302	14	20	3	274	5
ACS3293	1.0	1	115	16	10	4	74	10
ACS3294	.2	12	187	13	18	2	96	10
ACS3295	1.0	21	88	18	15	5	91	5
ACS3296	.8	3	111	18	11	5	89	5
ACS3297	.6	1	359	24	15	3	112	10
ACS3298	2.2	1	142	14	17	6	131	10
ACS3299	.4	10	128	13	14	4	153	5
ACS3132	1.3	14	107	15	11	6	83	5