

Public-data File 85-32

PRELIMINARY RESULTS OF ATOMIC ABSORPTION ANALYSES OF ROCK SAMPLES,  
UPPER TALKEETNA RIVER AREA, ALASKA

By

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TECHNICAL CONTENT (EXCEPT AS NOTED IN  
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794 University Avenue, Basement  
Fairbanks, Alaska 99701

DIVISION SAMPLES

Trace Elements - Atomic Absorption

Date Analyses Complete 1-8-80 Sample Type R

Initials ~~WJA~~ / KBF/MP

TA#	FIELD #	LAB #	Au	Ag	Pb	Sb	Mo	As	Cu	Zn	Co	Ni					
83Ad 189a		L17113	<0.1	<0.1	7	22	<2	<15	24	101	27	13	Note: Due to lack of				
83Ad 190b		L17114		0.1	5				4	5	22	4	Solution, Fe, Mn, Cd and				
83Ad 191a		L17115		<0.1	7				6	53	10	6	Cr will not be done.				
83Ad 193a		L17116		0.1	5				7	8	22	7	MP 1/7/85				
83Ad 193b		L17117		0.1	5				64	84	20	5					
83Ad 195		L17118		<0.1	8			↓	4	123	12	<1					
83Ad 196		L17119		0.2	8			20	7	42	12	29					
83Ad 197		L17120		<0.1	4			<15	66	61	27	57					
83Ad 198a		L17121		<0.1	5				20	54	24	28					
83Ad 198b		L17122		0.2	11				3	165	22	<1					
83Ad 199a		L17123		0.1	5				26	74	25	9					
83Ad 199b		L17124		<0.1	5				12	54	22	22					
83Ad 200		L17125		0.1	10		↓		4	15	22	1					
83Ad 201b		L17126		<0.1	7		2		18	58	7	5					
83Ad 203a		L17127	↓	0.1	10	↓	<2	↓	18	89	11	<1					
QUALITY CONTROL DATA													*****				
		17120dup	<0.1	<0.1	2.8	<2	<2	<15	60	59	28	49	*****				

#	FIELD #	LAB #	AU	AG	Pb	Sb	MO	AS	CU	Zn	Co	Ni					
	83Ad 189a	L17113	<0.1	<0.1	7	<2	<2	<15	24	101	27	13	Note: Due to lack of				
	83Ad 190b	L17114	1	0.1	5	1			4	5	<2	4	Solution, Fe, Mn, Cd and				
	83Ad 191a	L17115	1	<0.1	7				6	53	10	6	Cr will not be done.				
	83Ad 193a	L17116	1	0.1	5				7	8	<2	7	MP 1/7/85				
	83Ad 193b	L17117	1	0.1	5				64	84	20	5					
	83Ad 195	L17118	1	<0.1	8			↓	4	123	12	<1					
	83Ad 196	L17119	1	0.2	8			20	7	42	12	29					
	83Ad 197	L17120	1	<0.1	4			45	60	61	27	57					
	83Ad 198a	L17121	1	<0.1	5			1	20	54	24	28					
	83Ad 198b	L17122	1	0.2	11				3	165	<2	<1					
	83Ad 199a	L17123	1	0.1	5				26	74	25	9					
	83Ad 199b	L17124	1	<0.1	5				12	54	22	22					
	83Ad 200	L17125	1	0.1	10		↓		4	15	<2	1					
	83Ad 201b	L17126	1	<0.1	7		2		18	58	7	5					
	83Ad 203a	L17127	1	0.1	10	↓	<2	↓	18	89	11	<1					
	LITY CONTROL DATA*****													*****	*****	*****	*****
		17120dup	<0.1	<0.1	2.8	<2	<2	<15	60	59	28	49					

FIELD #	LAB #	Au	Ag	Pb	Sb	Mo	As	Cu	Zn	Co	Ni
83Ad 243b	L 17158	<0.1	0.2	6	<2	<2	<15	83	109	16	5
244b	L 17159		0.1	5				96	24	16	11
244c	L 17160		0.2	5				8	79	2	<1
244d	L 17161		0.1	5		31		5	56	13	4
244e	L 17162		0.2	6		3		442	100	29	5
244f	L 17163		1.9	17		23		497	30	57	10
244g	L 17164		0.2	6		<2		586	80	32	4
248a	F 17165		0.2	12			19	11	52	2	<1
248	L 17166		0.4	8		2	<15	17	23	<2	1
249b	L 17167		0.2	8		<2		31	60	9	3
252a	L 17168		0.3	12	50			5	9	3	94
252a	L 17169		0.1	7	<2		19	8	58	20	93
252b	L 17170		0.2	7	<2		95	4	58	16	13
253a	L 17171		0.5	7			<15	96	94	16	9
253b	L 17172		0.4	8				116	64	16	15
LITV CONTROL DATA*****											
	17160	-0.02	0.17	5.4	-6.5	-0.1	-2.6	7.8	51.4	2.0	0.2
	17160 dup	-0.04	0.14	5.8	-6.8	-0.0	-13.6	7.6	47.3	1.5	0.1
	17170	-0.03	0.17	6.9	-6.3	-0.1	98.4	3.9	56.3	15.6	12.8
	17170 dup	-0.03	0.16	6.7	-6.9	-0.1	91.1	4.1	59.3	16.7	13.9

NOTE: Fe, Mn, Cd, Cr  
not run due to lack of  
sample sent  
1/10/85 WJF

FIELD #	LAB #	Au	Ag	Pb	Sb	Mo	As	Cu	Zn	Co	Ni	NOTE: Fe, Mn, Cd
83AD 328C	L 17268	<0.1	<0.1	35	<2	<2	<15	35	65	24	50	not run due to lead
313C	L 17269	0.1	0.1	<2	<2			22	19	10	5	exp. solution
333a	L 17270	0.2	0.2	11	↓			4	14	<2	1	
331b	L 17271	0.3	0.3	18	9			18	71	↓	5	
358b	L 17272	0.2	0.2	8	<2			8	30	↓	1	
331d	L 17273	0.1	0.1	3	↓			56	93	21	15	
262b	L 17274	0.1	0.1	8	<2			6	53	<2	2	
205b	F 17275	0.1	0.1	4	<2			43	93	31	18	
204c	L 17276	7.2	7.2	8	↓			3300	46	58	33	
	L											
	L											
	L											
	L											
	L											
	L											
	L											
CITY CONTROL DATA												
	17270	<0.1	0.2	11	<2	<2	<15	4	14	<2	1	
	17270dup	<0.1	0.2	11	<2	<2	<15	4	14	<2	1	

continued on page 91 - 17270dup

#	FIELD #	LAB #	AU	AG	Pb	Sb	Mo	As	Cu	Zn	Co	Ni	Note: Due to lack of solutions, the remaining elements will not be run. 1/9/85 M.F.
	83-FN-87	L17598	<0.1	0.1	9	<2	<2	<15	14	44	7	6	
	83-FN-98	L17599			<2				3	27	2	1	
	83-FN-102	L17600			2				5	50	3	1	
	83-FN-105	L17601			<2				117	16	16	41	
	83-FN-106	L17602			2				13	46	5	21	
	83-FN-106a	L17603		↓	2				5	32	7	2	
	83-FN-123	L17604		0.2	<2				50	31	20	46	
	83-FN-132a	L17605		↓	10				64	66	23	7	
	83-FN-132b	L17606		↓	43				32	78	14	2	
	83-FN-133	L17607		0.1	4				54	59	22	8	
	83-FN-135b	L17608		0.2	<2	↓			76	10	8	60	
	83-FN-138	L17609		0.3	5	6			3	2	<2	3	
	83-FN-140b	L17610	↓	0.1	<2	<2	↓	↓	3	45	4	1	
		L											
		L											
***** CITY CONTROL DATA *****													
		17600dup	<0.1	<0.1	2.0	<2	<2	<15	6	54	4	1	
		17610dup	<0.1	<0.1	1.0	<2	<2	<15	3	42	4	1	

See notes pages 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



FIELD #	LAB #	AU	AG	Pb	Sb	Mo	AS	Cu	Zn	Co	Ni	Note: Due to lack of
83-Let-4	L17535	<0.1	0.1	4	<5	<2	<15	21	7	<2	2	solution. The remain-
83-Let-16B	L17536			3				37	104	28	17	ing elements will not
83-Let-27	L17537			4				6	21	<2	4	be full.
83-Let-30	L17538			3		↓		40	69	14	19	1/9/85 M.P.
83-Let-31A	L17539		0.2	8		2		4	103	<2	1	
83-Let-32A	L17540		<0.1	6	↓	<2		3	113	<2	<1	
83-Let-38	L17541		1.0	25	23			5	7	sol.	6	
83-Let-56	L17542		0.2	7	<5			10	27	sol.	1	
83-Let-59c	L17543			3				6	41	<2	2	
83-Let-64	L17544			7				12	97	7	4	
83-Let-65A	L17545			3				20	84	9	6	
83-Let-67B	L17546			6		↓		6	29	<2	5	
83-Let-82A	L17547			7		5		10	26	<2	1	
83-Let-63	L17548		0.1	48		2		13	42	<2	<1	
83-Let-88c	L17549			4	↓	<2	↓	12	70	5	2	
LITY CONTROL DATA*****												
	L17542dup	<0.1	0.2	7	<5	<2	<15	3	29	<2	2	
*****												



