Chuchua
896228

Sample name	Ba	Ba in ppm	Ti in ppm	Sc in ppm	Cs in ppm
			Ti	Sc	Cs
22369	100	58 +/- 7	9498 +/- 9760 00	44 +/- 2 44	12 +/- 2
22375	68000	63210 +/- 2310	10859 +/- 787500	51 +/- 2 38.2	<10
22382	600	335 +/- 8	10067 +/- 879500	46 +/- 2 41.1	12 +/- 2
22386	50000	45820 +/- 2310	10321 +/- 78 8300	45 +/- 2 37.4	<10
22391	53000	50459 +/- 2540	11239 +/- 91 9600	49 +/- 2 43.1	<10
22395	82000	84424 +/- 4260	10611 +/- 75 7900	47 +/- 2 34.1	<10
22400	2200	1796 +/- 15	12151 +/- 94 13500	44 +/- 2 46.7	13 +/- 2
22403	2600	2314 +/- 18	8822 +/- 77 8900	40 +/- 2 40.7	10 +/- 2
22417	150	94 +/- 8	11111 +/- 100 11000	47 +/- 2 48.7	17 +/- 2

Cs: <1.1, <1.6, <1.8, 1.5, 1.4, 1.8, 1.9, <1.9, <1.9

Sample name	Cr	Cr in ppm	Co	Co in ppm	Ni	Ni in ppm	Rb	Rb in ppm	Sr	Sr in ppm	Y	Y in ppm	Zr	Zr in ppm
22369	250	200 +/- 10	40	39 +/- 2		79 +/- 2	<20	5 +/- 6	190	236 +/- 3	32	37 +/- 2		111 +/- 2
22375	280	235 +/- 10	35	35 +/- 2		77 +/- 2	<20	< 7	64	117 +/- 2	18	35 +/- 2		109 +/- 2
22382	220	221 +/- 10	35	34 +/- 2		76 +/- 2	<20	2 +/- 6	76	86 +/- 2	32	33 +/- 2		111 +/- 2
22386	200	211 +/- 10	32	36 +/- 2		65 +/- 2	40	1 +/- 5	30	46 +/- 2	18	36 +/- 2		109 +/- 2
22391	280	230 +/- 10	35	36 +/- 2		74 +/- 2	20	< 7	36	57 +/- 2	20	42 +/- 2		118 +/- 2
22395	190	216 +/- 10	31	36 +/- 2		63 +/- 2	<20	< 7	44	84 +/- 2	14	39 +/- 2		104 +/- 2
22400	250	246 +/- 10	37	36 +/- 2		95 +/- 2	<20	2 +/- 6	74	87 +/- 2	34	37 +/- 2		130 +/- 2
22403	210	219 +/- 10	37	35 +/- 2		67 +/- 2	<30	< 7	110	127 +/- 2	38	30 +/- 2		100 +/- 2
22417	270	237 +/- 10	47	45 +/- 2		88 +/- 2	<20	8 +/- 6	90	108 +/- 2	32	39 +/- 2		123 +/- 2

use these values

Sample name	Nb	Nb in ppm	Mo	Mo in ppm	Th	Th in ppm	U	U in ppm
22369	6	< 5		< 3		5 +/- 5		10 +/- 4
22375	<2	< 5		5 +/- 3		4 +/- 5		< 4
22382	6	1 +/- 3		< 3		3 +/- 5		< 4
22386	2	< 5		< 3		4 +/- 5		0 +/- 4
22391	2	< 5		< 3		< 5		2 +/- 4
22395	<2	< 5		< 3		< 5		< 4
22400	6	1 +/- 3		< 3		< 5		< 4
22403	6	1 +/- 3		< 3		9 +/- 5		2 +/- 3
22417	6	5 +/- 3		< 3		4 +/- 5		8 +/- 4

use these values

Cr corrected for Fe absorption

DBASE CHUATRCE.DBF

Bill

Set up DBase File To be created.

Ba	Ti	Sc (1)	Cs (1)	Nb	Mo	Th (1)	U (1)	Cu	Zn	Yb
7	7	4	4	3	3	3	3	4	4	

Structure

Cr	Co	Ni	Rb	Sr	Y	Zr
4	3	4	3	4	3	4

X Hf 2 (2) X Ta 2

other lab	Na %	Fe %	As	Se	Br	Sb	La (1) Dec	Ce	Nd	Sm (1)	Eu (1)	Yb	Lu (2)
	5	5	3	3	4	5	5	5	5	5	4	4	4

Sample name	Ba in ppm	Ti in ppm	Sc in ppm	Cs in ppm
22369	58 +/- 7	9498 +/- 97	44 +/- 2	12 +/- 2
22375	63210 +/- 2310	10859 +/- 78	51 +/- 2	<10
22382	335 +/- 8	10067 +/- 87	46 +/- 2	12 +/- 2
22386	45820 +/- 2310	10321 +/- 78	45 +/- 2	<10
22391	50459 +/- 2540	11239 +/- 91	49 +/- 2	<10
22395	84424 +/- 4260	10611 +/- 75	47 +/- 2	<10
22400	1796 +/- 15	12151 +/- 94	44 +/- 2	13 +/- 2
22403	2314 +/- 18	8822 +/- 77	40 +/- 2	10 +/- 2
22417	94 +/- 8	11111 +/- 100	47 +/- 2	17 +/- 2

Sample name	Cr in ppm	Co in ppm	Ni in ppm	Rb in ppm	Sr in ppm	Y in ppm	Zr in ppm
22369	186 +/- 20	39 +/- 2	79 +/- 2	5 +/- 6	236 +/- 3	37 +/- 2	111 +/- 2
22375	213 +/- 20	35 +/- 2	77 +/- 2	< 7	117 +/- 2	35 +/- 2	109 +/- 2
22382	206 +/- 20	34 +/- 2	76 +/- 2	2 +/- 6	86 +/- 2	33 +/- 2	111 +/- 2
22386	192 +/- 20	36 +/- 2	65 +/- 2	1 +/- 5	46 +/- 2	36 +/- 2	109 +/- 2
22391	206 +/- 20	36 +/- 2	74 +/- 2	< 7	57 +/- 2	42 +/- 2	118 +/- 2
22395	192 +/- 20	36 +/- 2	63 +/- 2	< 7	84 +/- 2	39 +/- 2	104 +/- 2
22400	271 +/- 20	36 +/- 2	95 +/- 2	2 +/- 6	87 +/- 2	37 +/- 2	130 +/- 2
22403	204 +/- 20	35 +/- 2	67 +/- 2	< 7	127 +/- 2	30 +/- 2	100 +/- 2
22417	221 +/- 20	45 +/- 2	88 +/- 2	8 +/- 6	108 +/- 2	39 +/- 2	123 +/- 2

do not use Cr

Sample name	Nb in ppm	Mo in ppm	Th in ppm	U in ppm
22369	< 5	< 3	5 +/- 5	10 +/- 4
22375	< 5	5 +/- 3	4 +/- 5	< 4
22382	1 +/- 3	< 3	3 +/- 5	< 4
22386	< 5	< 3	4 +/- 5	0 +/- 4
22391	< 5	< 3	< 5	2 +/- 4
22395	< 5	< 3	< 5	< 4
22400	1 +/- 3	< 3	< 5	< 4
22403	1 +/- 3	< 3	9 +/- 5	2 +/- 3
22417	5 +/- 3	< 3	4 +/- 5	8 +/- 4

Bill.

(Cr) Cr. results need correcting for Fe absorption edge interference - ready in a couple of days
meanwhile results are good to about 20% relative - worse with high iron.
Your Fe are much the same ∴ precision will be good (1-2%) but
accuracy will be worse

Paul.

Chu Chua Results

Sample name	Nb in ppm	Mo in ppm	Th in ppm		U in ppm		Cu in ppm	Zn in ppm
22369-0.1726	< 5	< 3	5 +/- 5	<.1	10 +/- 4	.6	75 +/- 3	88 +/- 1
22375-0.1761	< 5	5 +/- 3	4 +/- 5	.4	< 4	<.5		
22382-0.1879	1 +/- 3	< 3	3 +/- 5	.3	< 4	.6	64 +/- 3	87 +/- 1
22386-0.1847	< 5	< 3	4 +/- 5	<.1	0 +/- 4	.7	53 +/- 2	76 +/- 1
22391-0.1753	< 5	< 3	< 5	.6	2 +/- 4	<.5	75 +/- 3	128 +/- 1
22395-0.1891	< 5	< 3	< 5	<.3	< 4	.5	113 +/- 3	152 +/- 2
22400-0.1826	1 +/- 3	< 3	< 5	.4	< 4	<.5	33 +/- 4	192 +/- 2
22403-0.1846	1 +/- 3	< 3	9 +/- 5	.1	2 +/- 3	<.5	66 +/- 3	102 +/- 2
22417-0.1651	5 +/- 3	< 3	4 +/- 5	.1	8 +/- 4	.6	60 +/- 3	86 +/- 2