SECTION

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SST

CORE 9 DATA REPORT

REV.0

APPENDIX E

INORGANIC

E1 - INTRODUCTION

Introduction to Inorganic Primary Data Package

This section of Core 9 Primary Data package contains primary or "raw" data collected during preparation and analysis of Core 9 inorganic samples. All analytical information is tracked by the laboratory sample number.

Primary analytical data are separated according to methodology. In each case, instrument calibration, control, and sample analysis data segregated. Assessment of the primary analytical data will require in-depth knowledge of the methodology.

E2 - LABORATORY ANALYST

SIGNATURE LIST

INORGANIC LABORATORY ANALYST SIGNATURE LIST

Analyst Name	Initials	Written Name	Initials
Robert E. Brinson	REB	R. E. Brinson	REB
Merrill C. Burt	MCB	MC Burt	MCB
John H. Ennen	JHE	John Ennen	JE
Milton W. Goheen	MWG	Milton W Goheen	MWG
Donald E. Rinehart	DER	Donald E. Rinehart	D.E.R
Dana L. Thomas	DLT	Not available for signature	
May-Lin Thomas	MLT	Dana L Thomas	DLT
Michael W. Urie	MWU	Michael W Urie	MWU
Thomas G. Walker	TGW	Thomas G Walker	TGW

E3 - ICP ANALYSIS

ICP CALCULATIONS

Calculations to support the generation of the final ICP reports are performed within a LOTUS 123 speadsheet. The raw analytical data (in µg/mL) is obtained from the computer generated output of the ICP system and the sample preparation data is obtained from the "Sample Prep Data Sheet". These data are keyed into an ICP template; templates are available for acid leached, water leached and fused sample sets. The calculations below (identified as A thru S) accompany ICP CALCULATION KEYS 1-5.

General Information:

The "boxed" areas in the ICP CALCULATION KEYS 1,2 & 5 are sample analysis information/data and worksheet data which has been keyed into the spreadsheet template. This data is verified by both the enterer and verifier.

The Sample ID is generally the sample log number and for the calculation explanations below the last digit identifies the sample number (e.g., 89-0621a3 is Sample 3).

For the spike control and blank, the results are many times expressed in wt%. This is actually a wt% equivalence with the spike control assuming a nominal 1 g sample weight and the blank using an average sample weight of samples 1 & 2. The data is presented in the same units for comparison purposes.

For calculation of dilution factors it has been assumed that 1 mL of water equals 1 g.

Key 2A: Spike Dilution Factor for Samples 3 & 4

$$\text{Spike Dilution} = \frac{\text{(Makeup Vol mL)}}{\text{(Spike Vol mL)}}$$

Key 2B: Preparation Dilution Factors for Samples 1,2,3 & 5

For Acid/Water Leached Samples

$$\text{Prep Factor} = \frac{(\text{Makeup Vol mL}) + (\text{Sample Wt g})}{(\text{Sample Wt g})}$$

For Fused Samples

$$\text{Prep Factor} = \frac{(\text{Makeup Vol mL})}{(\text{Sample Wt g})} * \frac{(\text{X mL}) + (\text{Y mL})}{(\text{X mL})}$$

Where: X mL = Dil: Smpl mL (or volume of Makeup Vol sampled)
Y mL = Dil: Vol mL (or volume of Diluent added)

Key 2C: Weight % Factor for Samples 1,2,3 & 5

Wt% Factor = (Prep Factor) * (ICP Dilution) * 0.0001

Key 2D: Weight % Factor for Sample 4

Wt% Factor = (Makeup Vol mL) * (ICP Dilution) * 0.0001

Key 2E: Element Weight % for Samples 1 thru 5 (except Bi)

Weight % = ((Conc) - (Blank)) * (Wt% Factor)

Where: Conc = The measured µg/mL concentration of each element [See Key 1]
Blank = Average of last 10 system blanks [See Key 5]

Key 2F: Bismuth Weight % for Samples 1 thru 5

$$\text{Weight \%} = \frac{(\text{Conc Bi } \mu\text{g/mL}) * (\text{Wt\% Factor})}{(\text{ICP Dilution})}$$

Note: Bi is analyzed in sequential mode and the µg/mL concentration of the prepared base solution is entered from a worksheet. That is, the ICP dilution factor and blank have already been incorporated

ICP CALCULATION KEY 5

File: icp0621a

Last STD1 Run = 1820

Run#	STATS Ave[10] (ug/mL)	Std Dev	3x SD	10x SD		Spike Std B-1 (ug/mL)
Ag	0.0029	0.0042	0.0126	0.0419	Ag	
Al	0.0452	0.0295	0.0886	0.2953	Al	
As	0.0212	0.0522	0.1567	0.5223	As	80.00
B	0.0230	0.0239	0.0718	0.2395	B	
Ba	0.0009	0.0011	0.0033	0.0112	Ba	80.00
Be	0.0002	0.0001	0.0004	0.0012	Be	2.00
Ca	0.0006	0.0006	0.0017	0.0058	Ca	
Cd	0.0028	0.0020	0.0060	0.0201	Cd	2.00
Ce	0.0480	0.0694	0.2083	0.6942	Ce	
Co	0.0423	0.1013	0.3038	1.0128	Co	20.00
Cr	0.0034	0.0022	0.0065	0.0218	Cr	8.00
Cu	0.0052	0.0059	0.0177	0.0589	Cu	10.00
Dy	0.0042	0.0054	0.0163	0.0545	Dy	
Fe	0.0029	0.0022	0.0067	0.0222	Fe	
K	0.0305	0.1515	0.4545	1.5150	K	
La	0.0085	0.0145	0.0435	0.1448	La	
Li	0.0047	0.0046	0.0138	0.0462	Li	
Mg	0.0005	0.0004	0.0012	0.0038	Mg	
Mn	0.0009	0.0007	0.0021	0.0069	Mn	20.00
Mo	-0.0030	0.0239	0.0717	0.2391	Mo	
Na	0.0450	0.0498	0.1494	0.4979	Na	
Nd	0.0160	0.0352	0.1056	0.3519	Nd	
Ni	0.0069	0.0058	0.0173	0.0578	Ni	20.00
P	0.1778	0.2129	0.6388	2.1295	P	
Pb	0.0181	0.0303	0.0909	0.3028	Pb	20.00
Re	0.0078	0.0055	0.0164	0.0547	Re	
Rh	0.0743	0.1123	0.3368	1.1227	Rh	
Ru	0.0125	0.0118	0.0354	0.1180	Ru	
Sb	0.0045	0.2114	0.6341	2.1135	Sb	20.00
Se	0.0519	0.0371	0.1113	0.3710	Se	80.00
Si	0.0188	0.0187	0.0560	0.1867	Si	
Sr	0.0005	0.0004	0.0011	0.0036	Sr	
Te	0.0310	0.0270	0.0809	0.2696	Te	
Th	0.0350	0.0616	0.1847	0.6157	Th	
Ti	0.0026	0.0030	0.0090	0.0300	Ti	
Tl	0.2753	0.8964	2.6893	8.9644	Tl	80.00
U	0.2367	0.5878	1.7634	5.8779	U	
V	0.0028	0.0028	0.0084	0.0279	V	20.00
Zn	0.0028	0.0015	0.0046	0.0153	Zn	20.00
Zr	0.0028	0.0029	0.0088	0.0292	Zr	

ICP CALCULATION KEY 4

	K	L	M	G1	G2	H	N	P1	P2	Q	R	S
					89-0621a3			<Sample ID>	89-0621a4	89-0621a4		
					5.00			<Dilution>	1.00	5.00		
		89-0621a1										
		89-0621a2		Spike	Spike+	Spike+			Spike	Spike		Spike
		Average		Added	Sample	Sample			Control	Control		STD
	(Wt %)	RPD	(Wt %)	(Wt %)	(Wt %)	% Dif	% Rec	(ug/mL)	(ug/mL)	% Dif	(ug/mL)	% rec
Ag	0.0021	20.0%		(0.0029)								
Al	0.1158	1.9%		0.1175								
As	N/A		0.0388	(0.0325)			83.8%	74.3	91.7	23.4%	80.0	92.9%
B	N/A			<DL								
Ba	0.0013	1.3%	0.0388	0.0392			97.7%	76.7	75.6	1.5%	80.0	95.9%
Be	N/A		0.0010	0.0009			97.6%	1.9	1.9	1.7%	2.0	93.2%
Ca	0.0863	1.7%		0.0853								
Cd	N/A		0.0010	(0.0021)			211.8%	3.1	3.6	16.0%	2.0	156.4%
Ce	N/A			<DL								
Co	N/A		0.0097	<DL			-55.9%	15.1	6.0	60.1%	20.0	75.6%
Cr	0.0824	0.4%	0.0039	0.0879			141.2%	8.1	8.6	6.7%	8.0	101.3%
Cu	N/A		0.0048	(0.0066)			137.1%	10.2	9.6	5.7%	10.0	101.8%
Dy	N/A			<DL								
Fe	1.9433	1.6%		1.9565								
K	N/A			<DL								
La	0.0063	5.4%		(0.0063)								
Li	N/A			<DL								
Mg	0.0193	1.4%		0.0192								
Mn	0.0073	1.7%	0.0097	0.0169			99.0%	19.8	19.7	0.5%	20.0	98.9%
Mo	N/A			<DL								
Na	9.6977	0.7%		9.8027								
Nd	N/A			<DL								
Ni	N/A		0.0097	0.0115			119.2%	19.6	19.6	0.3%	20.0	98.2%
P	1.6536	3.9%		1.6983								
Pb	0.1132	5.7%	0.0097	0.1231			101.5%	19.9	19.2	3.6%	20.0	99.5%
Re	N/A			<DL								
Rh	N/A			<DL								
Ru	N/A			<DL								
Sb	N/A		0.0097	<DL			572.0%	26.1	89.3	241.4%	20.0	130.7%
Se	N/A		0.0388	(0.0327)			84.5%	61.6	78.6	27.6%	80.0	76.9%
Si	0.0572	30.0%		(0.0830)								
Sr	0.0208	0.8%		0.0209								
Te	N/A			<DL								
Th	N/A			<DL								
Ti	N/A			<DL								
Tl	N/A		0.0388	<DL			102.9%	47.1	88.8	88.7%	80.0	58.8%
U	N/A			<DL								
V	N/A		0.0097	0.0091			94.2%	18.8	18.4	2.3%	20.0	94.1%
Zn	0.0092	1.1%	0.0097	0.0187			97.6%	19.9	19.8	0.5%	20.0	99.5%
Zr	N/A			(0.0012)								
Bi	0.6795	84.1%		1.8327								

03/29/90

ICP CALCULATION KEY 3

	G1	G2	H						I	J
Samp Log#:	89-0621a1			89-0621a2			89-0621a5			
Dilution:	5.00			5.00			1.00			
Wt% Factor	0.11830			0.12333			0.02415			
ICP Run #	1795			1796			1816		DL	QL
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	%Dif	(ug/mL)	(ug/mL)
Ag	(0.0024)			(0.0019)			<DL			0.0126	0.0419
Al	0.1147			0.1169			<DL			0.0886	0.2953
As	<DL			<DL			<DL			0.1567	0.5223
B	<DL			<DL			<DL			0.0718	0.2395
Ba	0.0013			(0.0013)			<DL			0.0033	0.0112
Be	<DL			<DL			<DL			0.0004	0.0012
Ca	0.0856			0.0870			0.0157			0.0017	0.0058
Cd	<DL			<DL			(0.0002)			0.0060	0.0201
Ce	<DL			<DL			<DL			0.2083	0.6942
Co	<DL			<DL			<DL			0.3038	1.0128
Cr	0.0822			0.0826			(0.0002)			0.0065	0.0218
Cu	(0.0023)			<DL			<DL			0.0177	0.0589
Dy	<DL			<DL			<DL			0.0163	0.0545
Fe	1.9282			1.9584			0.0010			0.0067	0.0222
K	<DL			<DL			(0.0122)			0.4545	1.5150
La	(0.0065)			(0.0062)			<DL			0.0435	0.1448
Li	<DL			<DL			0.0015			0.0138	0.0462
Mg	0.0191			0.0194			0.0034			0.0012	0.0038
Mn	0.0073			0.0072			0.0002			0.0021	0.0069
Mo	<DL			<DL			<DL			0.0717	0.2391
Na	9.6653			9.7302			0.0138			0.1494	0.4979
Nd	<DL			<DL			<DL			0.1056	0.3519
Ni	<DL			<DL			<DL			0.0173	0.0578
P	1.6212			1.6859			<DL			0.6388	2.1295
Pb	0.1100			0.1165			<DL			0.0909	0.3028
Re	<DL			<DL			<DL			0.0164	0.0547
Rh	<DL			<DL			<DL			0.3368	1.1227
Ru	<DL			<DL			<DL			0.0354	0.1180
Sb	<DL			<DL			<DL			0.6341	2.1135
Se	<DL			<DL			<DL			0.1113	0.3710
Si	0.0657			0.0486			0.0121			0.0560	0.1867
Sr	0.0207			0.0209			(0.0000)			0.0011	0.0036
Te	<DL			<DL			<DL			0.0809	0.2696
Th	<DL			<DL			<DL			0.1847	0.6157
Ti	<DL			<DL			<DL			0.0090	0.0300
Tl	<DL			<DL			<DL			2.6893	8.9644
U	<DL			<DL			<DL			1.7634	5.8779
V	<DL			<DL			<DL			0.0084	0.0279
Zn	0.0092			0.0091			0.0004			0.0046	0.0153
Zr	(0.0020)			<DL			<DL			0.0088	0.0292
Bi	0.9651			0.3939			<DL			N/A	N/A

* Methods blank - average sample weight used to calculate wt%.

03/29/90

ICP CALCULATION KEY 2

Date: 11/13/89 thru 11/14/89 Analyst: _____ File: icp0621
Project: SST Reported: 03/29/90
Procedure: PNL SP-7 Reviewer: _____

Sample Log#	89-0621a1		89-0621a2		89-0621a3		89-0621a4	89-0621a4	89-0621a5	
ID	S1 5x	S1 ?x	S2 5x	S2 ?x	SP+S3 5x	SP+S3 ?x	SPK 1x	SPK 5x	BLK 1x	BLK ?x
Prep Type	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid
Sample Wt-g	1.061		1.018		1.050				1.039	
Makeup Vol-mL	250.0		250.0		250.0		250.0	250.0	250.0	
Dil: Smpl-mL										
Dil: Vol-mL										
Prep Factor	236.60		246.65		239.07				241.52	
Spike ID					B-1	B-1	B-1	B-1		
Spike Vol-mL					5.087		5.087	5.087		
Spike Dilution					49.14		49.14	49.14		
ICP Dilution	5.00		5.00		5.00		1.00	5.00	1.00	
Wt% Factor	0.11830		0.12333		0.11954		0.02500	0.12500	0.02415	
ICP Run #	1795		1796		1797		1818	1798	1816	
Weight % Ag	0.0024		0.0019		0.0029		-0.0001	0.0000	-0.0001	
Al	0.1147		0.1169		0.1175		0.0008	0.0077	-0.0002	
As	-0.0006		-0.0000		0.0325		0.0378	0.0466	-0.0004	
B	0.0050		0.0029		0.0033		0.0013	0.0008	0.0004	
Ba	0.0013		0.0013		0.0392		0.0390	0.0384	0.0000	
Be	0.0000		0.0000		0.0009		0.0009	0.0010	-0.0000	
Ca	0.0856		0.0870		0.0853		0.0170	0.0190	0.0157	
Cd	0.0006		0.0002		0.0021		0.0016	0.0018	0.0002	
Ce	0.0003		-0.0009		0.0010		-0.0019	-0.0030	-0.0022	
Co	-0.0133		-0.0174		-0.0054		0.0077	0.0031	-0.0028	
Cr	0.0822		0.0826		0.0879		0.0041	0.0044	0.0002	
Cu	0.0023		0.0018		0.0066		0.0052	0.0049	0.0004	
Dy	-0.0002		-0.0006		-0.0005		-0.0002	-0.0001	-0.0000	
Fe	1.9282		1.9584		1.9565		0.0116	0.0126	0.0010	
K	0.0358		0.0252		0.0236		0.0072	0.0098	0.0122	
La	0.0065		0.0062		0.0063		-0.0002	-0.0005	-0.0002	
Li	0.0014		0.0007		0.0010		0.0011	0.0014	0.0015	
Mg	0.0191		0.0194		0.0192		0.0037	0.0039	0.0034	
Mn	0.0073		0.0072		0.0169		0.0101	0.0100	0.0002	
Mo	-0.0039		-0.0047		-0.0044		-0.0005	-0.0047	-0.0007	
Na	9.6653		9.7302		9.8027		0.0131	0.0212	0.0138	
Nd	0.0014		0.0010		0.0021		-0.0005	-0.0002	-0.0008	
Ni	0.0015		0.0015		0.0115		0.0100	0.0100	-0.0002	
P	1.6212		1.6859		1.6983		-0.0044	-0.0301	0.0009	
Pb	0.1100		0.1165		0.1231		0.0101	0.0098	0.0002	
Re	0.0006		0.0006		0.0006		-0.0003	0.0008	-0.0001	
Rh	-0.0112		-0.0125		-0.0124		-0.0022	-0.0060	-0.0022	
Ru	-0.0048		-0.0056		-0.0052		-0.0005	-0.0010	-0.0004	
Sb	0.0308		0.0563		0.0554		0.0133	0.0454	0.0030	
Se	0.0021		-0.0073		0.0327		0.0313	0.0400	-0.0009	
Si	0.0657		0.0486		0.0830		0.0164	0.0172	0.0121	
Sr	0.0207		0.0209		0.0209		0.0001	0.0000	0.0000	
Te	-0.0037		-0.0039		-0.0026		-0.0007	0.0009	-0.0009	
Th	-0.0059		-0.0080		-0.0072		-0.0012	-0.0006	-0.0016	
Ti	0.0007		0.0006		0.0007		0.0001	0.0002	0.0001	
Tl	-0.0961		-0.0453		0.0399		0.0239	0.0452	-0.0175	
U	0.0124		-0.0103		0.0010		-0.0137	-0.0269	-0.0175	
V	-0.0003		-0.0003		0.0091		0.0096	0.0094	-0.0001	
Zn	0.0092		0.0091		0.0187		0.0101	0.0101	0.0004	
Zr	0.0020		0.0009		0.0012		-0.0001	-0.0000	-0.0001	
Bi	0.9651		0.3939		1.8327		-0.0103		-0.0070	

ICP CALCULATION KEY 1

Date: 11/13/89 thru 11/14/89
Project: SST
Procedure: PNL-SP-7
M&TE: WA55672

Data Entry By: _____

Data Verified By: _____

File: icp0621a

Sample ID:		89-0621a1	89-0621a2	89-0621a3	89-0621a4	89-0621a4	89-0621a5
ICP Run #		1795	1796	1797	1818	1798	1816
(ug/mL)	Ag	0.0229	0.0186	0.0268	0.0008	0.0032	-0.0010
	Al	1.0147	0.9927	1.0280	0.0767	0.1068	0.0356
	As	0.0162	0.0210	0.2929	1.5332	0.3942	0.0056
	B	0.0650	0.0465	0.0508	0.0765	0.0296	0.0399
	Ba	0.0122	0.0116	0.3287	1.5620	0.3085	0.0029
	Be	0.0002	0.0002	0.0081	0.0381	0.0079	0.0000
	Ca	0.7240	0.7062	0.7141	0.6813	0.1524	0.6490
	Cd	0.0077	0.0046	0.0200	0.0665	0.0176	0.0098
	Ce	0.0509	0.0409	0.0564	-0.0290	0.0241	-0.0440
	Co	-0.0700	-0.0990	-0.0030	0.3501	0.0669	-0.0750
	Cr	0.6986	0.6732	0.7387	0.1683	0.0386	0.0107
	Cu	0.0247	0.0196	0.0607	0.2122	0.0442	0.0227
	Dy	0.0027	-0.0010	0.0000	-0.0020	0.0031	0.0029
	Fe	16.3020	15.8830	16.3700	0.4682	0.1034	0.0446
	K	0.3335	0.2352	0.2275	0.3171	0.1086	0.5362
	La	0.0635	0.0585	0.0611	-0.0010	0.0048	0.0010
	Li	0.0167	0.0106	0.0132	0.0472	0.0159	0.0678
	Mg	0.1623	0.1579	0.1608	0.1473	0.0317	0.1393
	Mn	0.0628	0.0593	0.1419	0.4036	0.0810	0.0104
(ug/mL)	Mo	-0.0360	-0.0410	-0.0400	-0.0230	-0.0410	-0.0300
	Na	81.7450	78.9430	82.0510	0.5672	0.2143	0.6174
	Nd	0.0281	0.0238	0.0333	-0.0040	0.0145	-0.0180
	Ni	0.0198	0.0188	0.1035	0.4067	0.0866	0.0000
	P	13.8820	13.8480	14.3850	0.0009	-0.0630	0.2147
	Pb	0.9476	0.9625	1.0475	0.4229	0.0961	0.0276
	Re	0.0129	0.0129	0.0132	-0.0040	0.0142	0.0036
	Rh	-0.0200	-0.0270	-0.0290	-0.0140	0.0260	-0.0170
	Ru	-0.0280	-0.0330	-0.0310	-0.0070	0.0043	-0.0040
	Sb	0.2651	0.4614	0.4682	0.5366	0.3678	0.1267
	Se	0.0696	-0.0070	0.3257	1.3044	0.3716	0.0151
	Si	0.5745	0.4129	0.7129	0.6767	0.1561	0.5206
	Sr	0.1754	0.1697	0.1757	0.0026	0.0006	0.0022
	Te	0.0000	-0.0010	0.0095	0.0036	0.0379	-0.0050
	Th	-0.0150	-0.0300	-0.0250	-0.0120	-0.0304	-0.0330
	Ti	0.0081	0.0075	0.0084	0.0062	0.0042	0.0049
	Tl	-0.5370	-0.0920	0.6088	1.2332	0.6368	-0.4490
	U	0.3414	0.1530	0.2454	-0.3130	0.0216	-0.4860
	V	0.0000	0.0000	0.0791	0.3858	0.0776	-0.0020
	Zn	0.0810	0.0770	0.1589	0.4076	0.0834	0.0210
	Zr	0.0200	0.0100	0.0131	0.0000	0.0027	0.0001
(ug/mL)	Bi	40.7900	15.9700	76.6600	-0.4100		-0.2900

Key 4L: Relative Percent Difference -- RPD

$$RPD = \left| \frac{(\text{Sample 1 [G1]}) - (\text{Sample 2 [G1]})}{((\text{Sample 1 [G1]}) + (\text{Sample 2 [G1]})) / 2} \right| * 100$$

Note: Both Sample 1 & 2 must be above (DL * Wt% Factor), otherwise no RPD is reported.

Key 4M: Spike Added to Sample 3 -- (Wt% Equivalence Sample 3)

$$\text{Wt\% Spike Added} = \frac{(\text{Spike True Value}) * (\text{Spike Vol mL})}{(\text{Sample 3 Wt g})}$$

Note: Spike True Value is obtained from the base ICP template [See Key 5]

Key 4N: Percent Spike Recovery from Sample Matrix

$$\text{\% Rec} = \frac{(\text{Wt\% Sample 3}) - (\text{Ave Wt\% Sample 1\&2})}{(\text{Wt\% Spike Added})} * 100$$

Key 4P: Measured Spike Control (µg/mL)

µg/mL = (Conc - Blank) * Spike Dilution * ICP Dilution

Where: Conc = The measured µg/mL concentration of each element [See Key 1]
Blank = Average of last 10 system blanks [See Key 5]

Note: P1 is the Initial solution and P2 is the Diluted solution

Key 4Q: Percent Difference for Serial Dilutions of Spike Control 4

Same as "H" above except P1 & P2 are substituted for G1 & G2

Key 4R: Spike Std (µg/mL)

Stock spike standard concentration as "given" in base ICP template -- [See Key 5]

Key 4S: Percent Recovery for Spike Control

$$\text{\% Rec} = \frac{\text{Spike Control [P1]}}{\text{Spike Std}} * 100$$

Key 3G: Weight Percent Reported

Logical Test Only -- For Initial solution [G1] and Diluted solution [G2]

If Wt% < (DL * Wt% Factor) Then Report "<DL"
If Wt% > (DL * Wt% Factor) and < (QL * Wt% Factor)
Then Report Weight % within parentheses
If Wt% > (QL * Wt% Factor) Then Report Weight %

Key 3H: Percent Difference -- For Serial Dilutions Only

$$\% \text{ Dif} = \frac{(G1 - G2)}{G1} * 100$$

Where: G1 = Wt% of Initial solution
G2 = Wt% of Diluted solution

Note: Both G1 and G2 must be above (QL * Wt% Factor) before value reported

Key 3I: Detection Limit -- DL (µg/mL)

This data is input from the "blank" Standards file. It represents 3 times the standard deviation of the last 10 blanks analyzed. [See Key 5]

Key 3J: Quantitaion Limit -- QL (µg/mL)

This data is input from the "blank" Standards file. It represents 10 times the standard deviation of the last 10 blanks analyzed. [See Key 5]

Key 4K: Average Wt% for Samples 1 & 2

$$\text{Average Wt\%} = \frac{(\text{Sample 1 [G1]}) + (\text{Sample 2 [G1]})}{2}$$

Note: Both Sample 1 & 2 must be above (DL * Wt% Factor), otherwise no average is reported.

90-1255-A-1/2/3

90-1256-A-1/2

90-0300-A-1/2/3

90-0301-A-1/2/3

90-0304-A-1/2/3

90-0305-A-1/2/3

90-1257-A-1/2/3/4/5

90-1275-A-1/2/3/4/5

90-1276-A-1/2/3/4/5

Samp Log#:	90-1255a1	90-1255a2		90-1256a1	90-1256a2		90-1255a3				
Dilution:	1.00	1.00		1.00	1.00		1.00				
Wt% Fctr:	0.49641	0.48009		0.52552	0.46607		0.49104				
ICP Run#:	1661	1660		1662	1663		1659			DL	QL
	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(ug/mL)	(ug/mL)
Ag	(0.0144)	(0.0182)	23.6%	(0.0152)	(0.0131)	15.1%	<DL			0.0199	0.0665
Al	(0.0405)	(0.0387)	4.6%	(0.0362)	(0.0339)	6.5%	<DL			0.0591	0.1969
As	<DL	<DL		<DL	<DL		<DL			0.1171	0.3904
B	<DL	<DL		<DL	<DL		<DL			0.1148	0.3826
Ba	(0.0035)	(0.0029)	21.6%	(0.0031)	(0.0031)	2.4%	<DL			0.0044	0.0146
Be	<DL	(0.0002)		<DL	<DL		<DL			0.0003	0.0009
Ca	0.0622	0.0610	1.9%	0.0577	0.0648	11.6%	0.0208			0.0013	0.0045
Cd	<DL	<DL		<DL	<DL		<DL			0.0101	0.0335
Ce	<DL	<DL		<DL	<DL		<DL			0.3217	1.0722
Co	<DL	<DL		<DL	<DL		<DL			0.5001	1.6668
Cr	0.0753	0.0739	1.8%	0.0753	0.0753	0.1%	<DL			0.0167	0.0557
Cu	(0.0238)	0.0283	17.2%	(0.0176)	(0.0166)	6.2%	<DL			0.0152	0.0508
Dy	<DL	<DL		<DL	<DL		<DL			0.0181	0.0604
Fe	1.4629	1.4582	0.3%	1.4667	1.4413	1.8%	<DL			0.0118	0.0395
K										0.7315	2.4385
La	<DL	<DL		<DL	<DL		<DL			0.0247	0.0823
Li	<DL	<DL		<DL	<DL		<DL			0.0214	0.0712
Mg	0.0143	0.0137	4.7%	0.0137	0.0138	0.6%	(0.0015)			0.0015	0.0050
Mn	0.0088	0.0093	6.4%	0.0101	0.0091	9.9%	<DL			0.0019	0.0063
Mo	<DL	<DL		<DL	<DL		<DL			0.0363	0.1210
Na	9.2363	9.2663	0.3%	9.1537	9.1741	0.2%	<DL			0.2702	0.9006
Nd	<DL	<DL		<DL	<DL		<DL			0.1111	0.3702
Ni										0.0231	0.0769
P	1.5567	1.5539	0.2%	1.6132	1.5530	3.8%	<DL			0.3481	1.1604
Pb	<DL	<DL		(0.0557)	<DL		<DL			0.1055	0.3518
Re	<DL	<DL		<DL	<DL		<DL			0.0249	0.0830
Rh	<DL	<DL		<DL	<DL		<DL			0.1541	0.5137
Ru	<DL	<DL		<DL	<DL		<DL			0.0820	0.2733
Sb	<DL	<DL		<DL	<DL		<DL			0.3449	1.1496
Se	<DL	<DL		<DL	<DL		<DL			0.2326	0.7755
Si	0.8386	0.8195	2.3%	0.8171	0.8209	0.5%	<DL			0.0927	0.3090
Sr	0.0174	0.0174	0.3%	0.0173	0.0172	0.6%	<DL			0.0017	0.0058
Te	<DL	<DL		<DL	<DL		<DL			0.1011	0.3369
Th	<DL	<DL		<DL	<DL		<DL			0.1754	0.5845
Ti	<DL	<DL		<DL	<DL		<DL			0.0135	0.0450
Tl	<DL	<DL		<DL	<DL		<DL			2.5070	8.3567
U	<DL	<DL		<DL	<DL		<DL			1.6162	5.3874
V	<DL	<DL		<DL	<DL		<DL			0.0173	0.0578
Zn	0.0131	0.0167	23.8%	0.0121	0.0117	2.9%	<DL			0.0044	0.0146
Zr	<DL	<DL		<DL	<DL		<DL			0.0143	0.0478
Bi	1.5389	1.4787	4.0%	1.5450	1.4448	6.7%	<DL				

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Samp Log#:	90-0300a1	90-0300a2		90-0301a1	90-0300a2		90-0300a3	90-0301a3			
Dilution:	1.00	1.00		1.00	1.00		1.00	1.00			
Wt% Fctr:	0.49820	0.43861		0.47429	0.47535		0.47063	0.47063			
ICP Run#:	1642	1641		1643	1644		1640	1645		DL	QL
	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(ug/mL)	(ug/mL)
Ag	<DL	<DL		<DL	<DL		<DL	<DL		0.0199	0.0665
Al	<DL	<DL		<DL	<DL		<DL	<DL		0.0591	0.1969
As	<DL	<DL		<DL	<DL		<DL	<DL		0.1171	0.3904
B	<DL	<DL		<DL	<DL		<DL	<DL		0.1148	0.3826
Ba	<DL	<DL		<DL	<DL		<DL	<DL		0.0044	0.0146
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0003	0.0009
Ca	0.0691	0.0594	15.1%	0.0544	0.0580	6.4%	0.0082	0.0103	22.4%	0.0013	0.0045
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.0101	0.0335
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.3217	1.0722
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.5001	1.6668
Cr	0.0701	0.0697	0.6%	0.0704	0.0707	0.4%	<DL	<DL		0.0167	0.0557
Cu	<DL	<DL		<DL	<DL		<DL	<DL		0.0152	0.0508
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0181	0.0604
Fe	1.3704	1.3792	0.6%	1.3607	1.3904	2.2%	<DL	<DL		0.0118	0.0395
K										0.7315	2.4385
La	<DL	<DL		<DL	<DL		<DL	<DL		0.0247	0.0823
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0214	0.0712
Mg	0.0157	0.0162	3.3%	0.0132	0.0146	10.5%	<DL	(0.0009)		0.0015	0.0050
Mn	0.0048	0.0052	8.7%	0.0047	0.0055	16.1%	<DL	<DL		0.0019	0.0063
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0363	0.1210
Na	9.4444	9.4091	0.4%	9.4598	9.5913	1.4%	<DL	<DL		0.2702	0.9006
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.1111	0.3702
Ni										0.0231	0.0769
P	1.5579	1.5076	3.3%	1.4882	1.5079	1.3%	<DL	<DL		0.3481	1.1604
Pb	<DL	<DL		<DL	<DL		<DL	<DL		0.1055	0.3518
Re	<DL	<DL		<DL	<DL		<DL	<DL		0.0249	0.0830
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.1541	0.5137
Ru	<DL	<DL		<DL	<DL		<DL	<DL		0.0820	0.2733
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.3449	1.1496
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.2326	0.7755
Si	0.7394	0.7517	1.6%	0.7380	0.7738	4.7%	<DL	<DL		0.0927	0.3090
Sr	0.0149	0.0149	0.1%	0.0149	0.0152	1.8%	<DL	<DL		0.0017	0.0058
Te	<DL	<DL		<DL	<DL		<DL	<DL		0.1011	0.3369
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.1754	0.5845
Ti	<DL	<DL		<DL	<DL		<DL	<DL		0.0135	0.0450
Tl	<DL	<DL		<DL	<DL		<DL	<DL		2.5070	8.3567
U	<DL	<DL		<DL	<DL		<DL	<DL		1.6162	5.3874
V	<DL	<DL		<DL	<DL		<DL	<DL		0.0173	0.0578
Zn	(0.0055)	(0.0044)	21.2%	(0.0024)	(0.0028)	14.9%	<DL	<DL		0.0044	0.0146
Zr	<DL	<DL		<DL	<DL		<DL	<DL		0.0143	0.0478
Bi	1.5743	1.6185	2.8%	1.5557	1.5259	1.9%	0.0094	0.0188	66.7%		

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Samp Log#:	90-1257a1	90-1257a1		90-1257a2	90-1257a2		90-1257a5	90-1257a5			
Dilution:	1.00	5.00		1.00	5.00		1.00	5.00			
Wt% Factor	0.02283	0.11417		0.02374	0.11868		0.02328	0.11638			
ICP Run #	1705	1731		1704	1729		1701	1726		DL	QL
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	%Dif	(ug/mL)	(ug/mL)
Ag	0.0031	0.0032	2.6%	0.0030	0.0034	11.0%	<DL	<DL		0.0067	0.0224
Al	0.0334	0.0352	5.3%	0.0333	0.0347	4.2%	(0.0012)	<DL		0.0427	0.1422
As	<DL	<DL		<DL	<DL		<DL	<DL		0.0882	0.2940
B	(0.0043)	<DL		<DL	<DL		<DL	<DL		0.1553	0.5175
Ba	0.0012	0.0013	7.5%	0.0012	0.0012	0.9%	<DL	<DL		0.0017	0.0055
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0002	0.0007
Ca	0.0599	0.0644	7.5%	0.0644	0.0684	6.2%	0.0143	0.0154	7.2%	0.0004	0.0015
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.1248	0.4159
Ce	(0.0022)	<DL		<DL	<DL		<DL	<DL		0.0945	0.3151
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.2179	0.7265
Cr	0.0720	0.0762	5.8%	0.0720	0.0755	4.9%	<DL	<DL		0.0091	0.0304
Cu	0.0043	0.0046	6.8%	0.0043	0.0046	7.8%	(0.0002)	<DL		0.0031	0.0102
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0039	0.0130
Fe	1.4661	1.5691	7.0%	1.4658	1.5562	6.2%	0.0006	<DL		0.0034	0.0114
K	(0.0264)	<DL		(0.0277)	<DL		<DL	<DL		0.4180	1.3933
La	0.0015	(0.0016)		0.0015	(0.0011)		<DL	<DL		0.0086	0.0288
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0047	0.0157
Mg	0.0156	0.0167	7.4%	0.0161	0.0171	6.5%	0.0029	0.0031	6.7%	0.0003	0.0010
Mn	0.0050	0.0053	6.0%	0.0051	0.0053	4.8%	<DL	<DL		0.0014	0.0046
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0170	0.0566
Na	9.3841	9.9451	6.0%	9.4095	9.8582	4.8%	(0.0056)	<DL		0.1638	0.5461
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.0440	0.1466
Ni	0.0017	(0.0022)		0.0016	(0.0021)		<DL	<DL		0.0100	0.0332
P	1.4726	1.6281	10.6%	1.4762	1.6095	9.0%	<DL	<DL		0.2051	0.6836
Pb	0.0277	0.0306	10.4%	0.0278	0.0316	13.6%	<DL	<DL		0.0301	0.1002
Re	(0.0006)	<DL		(0.0006)	<DL		<DL	<DL		0.0094	0.0312
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.0390	0.1299
Ru	0.0140	(0.0148)		0.0138	(0.0145)		<DL	<DL		0.0653	0.2178
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.1634	0.5446
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.0875	0.2915
Si	0.0693	0.0691	0.3%	0.0357	0.0366	2.4%	0.0040	<DL		0.0326	0.1086
Sr	0.0174	0.0183	4.9%	0.0175	0.0182	4.0%	0.0000	(0.0001)		0.0003	0.0010
Te	(0.0015)	<DL		(0.0011)	<DL		<DL	<DL		0.0274	0.0915
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.0840	0.2799
Ti	0.0007	(0.0010)		0.0007	(0.0010)		<DL	<DL		0.0073	0.0242
Tl	<DL	<DL		<DL	<DL		<DL	<DL		1.5843	5.2809
U	0.0617	<DL		0.0602	<DL		<DL	<DL		0.6372	2.1242
V	(0.0002)	<DL		(0.0002)	<DL		<DL	<DL		0.0050	0.0167
Zn	0.0053	0.0066	24.8%	0.0053	0.0066	25.3%	(0.0001)	0.0018		0.0038	0.0127
Zr	(0.0004)	<DL		(0.0004)	<DL		<DL	<DL		0.0056	0.0187
Bi	1.6463			1.6240							

* Methods blank - average sample weight used to calculate wt%.

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	90-1257a1 90-1257a2 Average	RPD	Spike Added	90-1257a3 1.00 Spike+ Sample	90-1257a3 5.00 Spike+ Sample	<Sample ID> <Dilution> % Dif	% Rec	90-1257a4 1.00 Spike Control	90-1257a4 5.00 Spike Control	% Dif	Spike STD	% rec
	(Wt %)		(Wt %)	(Wt %)	(Wt %)			(ug/mL)	(ug/mL)		(ug/mL)	
Ag	0.0031	2.9%		0.0031	0.0039	28.8%						
Al	0.0334	0.4%		0.0346	0.0401	15.9%						
As	N/A		0.0525	0.0471	0.0587	24.7%	89.6%	18.3	19.5	6.2%	20.0	91.7%
B	N/A			(0.0059)	<DL							
Ba	0.0012	2.7%	0.0525	0.0530	0.0580	9.4%	98.6%	20.1	20.1	0.3%	20.0	100.3%
Be	N/A		0.0013	0.0012	0.0014	12.9%	94.3%	0.5	0.5	1.6%	0.5	95.7%
Ca	0.0622	7.2%		0.0692	0.0775	12.1%						
Cd	N/A		0.0013	<DL	<DL		159.7%	0.7			0.5	136.0%
Ce	N/A			<DL	<DL							
Co	N/A		0.0131	(0.0105)	<DL		80.0%	3.6	3.1	14.2%	5.0	71.4%
Cr	0.0720	0.1%		0.0722	0.0817	13.1%						
Cu	0.0043	0.3%	0.0066	0.0107	0.0124	15.6%	97.6%	2.5	2.6	3.4%	2.5	99.9%
Dy	N/A			<DL	<DL							
Fe	1.4659	0.0%		1.4730	1.6680	13.2%						
K	0.0270	4.6%		(0.0289)	<DL							
La	0.0015	0.8%		0.0014	(0.0024)							
Li	N/A			<DL	<DL							
Mg	0.0158	3.0%		0.0163	0.0186	13.8%						
Mn	0.0051	0.6%	0.0131	0.0179	0.0202	12.9%	97.9%	5.0	5.1	1.6%	5.0	100.7%
Mo	N/A			(0.0005)	<DL							
Na	9.3968	0.3%		9.4249	10.3125	9.4%						
Nd	N/A			<DL	<DL							
Ni	0.0017	1.5%	0.0131	0.0143	0.0175	22.1%	96.3%	5.0	5.2	5.4%	5.0	99.6%
P	1.4744	0.2%		1.4967	1.6753	11.9%						
Pb	0.0278	0.2%	0.0131	0.0406	0.0489	20.5%	97.9%	4.7	4.5	4.2%	5.0	94.1%
Re	0.0006	10.5%		(0.0005)	<DL							
Rh	N/A			<DL	<DL							
Ru	0.0139	1.2%		0.0137	(0.0175)							
Sb	N/A			(0.0110)	(0.0286)							
Se	N/A		0.0525	0.0289	0.0384	33.2%	54.9%	12.7	14.5	14.3%	20.0	63.4%
Si	0.0525	63.9%		0.2065	0.2273	10.1%						
Sr	0.0174	0.2%		0.0175	0.0192	10.0%						
Te	0.0013	28.6%		(0.0015)	(0.0052)							
Th	N/A			<DL	<DL							
Ti	0.0007	0.6%		0.0007	(0.0013)							
Tl	N/A		0.0525	<DL	(0.2100)		60.1%	11.5	54.4	372.2%	20.0	57.6%
U	0.0610	2.5%		0.0609	(0.0959)							
V	0.0002	6.5%	0.0131	0.0130	0.0146	12.3%	97.6%	4.9	4.9	0.6%	5.0	98.3%
Zn	0.0053	0.3%	0.0131	0.0181	0.0220	21.4%	97.9%	5.0	5.8	16.6%	5.0	99.7%
Zr	0.0004	4.5%		0.0007	(0.0008)							
Bi	1.6352	1.4%		1.6430								

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Samp Log#:	90-1275a1	90-1275a1		90-1275a2	90-1275a2		90-1275a5	90-1275a5			
Dilution:	1.00	5.00		1.00	5.00		1.00	5.00			
Wt% Factor	0.02494	0.12471		0.02349	0.11745		0.02419	0.12097			
ICP Run #	1712	1739		1711	1738		1708	1735		DL	QL
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	%Dif	(ug/mL)	(ug/mL)
Ag	0.0017	(0.0021)		<DL	(0.0019)		<DL	<DL		0.0067	0.0224
Al	0.0170	(0.0172)		0.0202	0.0212	4.9%	0.0039	<DL		0.0427	0.1422
As	<DL	<DL		<DL	<DL		<DL	<DL		0.0882	0.2940
B	(0.0066)	<DL		(0.0072)	<DL		(0.0058)	<DL		0.1553	0.5175
Ba	0.0011	0.0012	11.7%	0.0011	0.0012	6.6%	(0.0001)	<DL		0.0017	0.0055
Be	<DL	<DL		<DL	<DL		(0.0000)	<DL		0.0002	0.0007
Ca	0.0595	0.0645	8.3%	0.0609	0.0658	8.1%	0.0162	0.0178	10.2%	0.0004	0.0015
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.1248	0.4159
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.0945	0.3151
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.2179	0.7265
Cr	0.0749	0.0800	6.8%	0.0751	0.0798	6.2%	0.0008	<DL		0.0091	0.0304
Cu	0.0030	0.0034	16.1%	0.0029	0.0033	13.5%	<DL	<DL		0.0031	0.0102
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0039	0.0130
Fe	1.3618	1.4577	7.0%	1.3659	1.4601	6.9%	0.0022	0.0015	30.3%	0.0034	0.0114
K	(0.0334)	<DL		0.0342	(0.0492)		<DL	<DL		0.4180	1.3933
La	(0.0003)	<DL		(0.0003)	<DL		<DL	<DL		0.0086	0.0288
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0047	0.0157
Mg	0.0157	0.0170	8.2%	0.0155	0.0167	7.7%	0.0030	0.0035	14.2%	0.0003	0.0010
Mn	0.0045	0.0048	7.5%	0.0045	0.0048	6.8%	(0.0001)	<DL		0.0014	0.0046
Mo	<DL	<DL		(0.0005)	<DL		<DL	<DL		0.0170	0.0566
Na	9.2846	9.8839	6.5%	9.3031	9.8553	5.9%	0.0421	(0.0447)		0.1638	0.5461
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.0440	0.1466
Ni	0.0013	(0.0019)		0.0013	(0.0016)		<DL	<DL		0.0100	0.0332
P	1.5656	1.7339	10.8%	1.5770	1.6975	7.6%	<DL	<DL		0.2051	0.6836
Pb	0.0126	0.0133	5.8%	0.0129	(0.0117)		(0.0021)	<DL		0.0301	0.1002
Re	(0.0005)	<DL		(0.0006)	<DL		<DL	<DL		0.0094	0.0312
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.0390	0.1299
Ru	0.0127	(0.0161)		0.0129	(0.0154)		<DL	<DL		0.0653	0.2178
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.1634	0.5446
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.0875	0.2915
Si	0.0626	0.0661	5.7%	0.0536	0.0562	4.8%	0.0072	(0.0085)		0.0326	0.1086
Sr	0.0150	0.0159	5.5%	0.0151	0.0159	5.1%	0.0001	(0.0001)		0.0003	0.0010
Te	(0.0014)	<DL		(0.0011)	<DL		<DL	<DL		0.0274	0.0915
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.0840	0.2799
Ti	(0.0004)	<DL		(0.0004)	<DL		<DL	<DL		0.0073	0.0242
Tl	<DL	<DL		<DL	<DL		<DL	<DL		1.5843	5.2809
U	0.0567	(0.1009)		0.0589	(0.0915)		<DL	<DL		0.6372	2.1242
V	(0.0002)	<DL		(0.0002)	<DL		<DL	<DL		0.0050	0.0167
Zn	0.0032	0.0041	29.6%	0.0032	0.0040	27.1%	(0.0001)	(0.0010)		0.0038	0.0127
Zr	0.0015	(0.0017)		0.0014	(0.0016)		0.0145	0.0151	4.6%	0.0056	0.0187
Bi	1.6234			1.6065							

* Methods blank - average sample weight used to calculate wt%.

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	90-1275a1 90-1275a2 Average	RPD	Spike Added	90-1275a3 1.00 Spike+ Sample	90-1275a3 5.00 Spike+ Sample	% Dif	% Rec	<Sample ID> <Dilution> Spike Control	90-1275a4 1.00 Spike Control	% Dif	90-1275a4 5.00 Spike STD	% rec
	(Wt %)		(Wt %)	(Wt %)	(Wt %)			(ug/mL)	(ug/mL)		(ug/mL)	
Ag	N/A			0.0017	(0.0019)							
Al	0.0186	17.0%		0.0167	0.0178	6.4%						
As	N/A		0.0459	0.0392	0.0450	14.7%	85.5%	17.3	20.4	18.1%	20.0	86.4%
B	0.0069	8.8%		(0.0067)	<DL							
Ba	0.0011	2.8%	0.0459	0.0455	0.0479	5.2%	96.9%	19.8	20.3	2.7%	20.0	98.9%
Be	N/A		0.0011	0.0011	0.0011	7.5%	92.7%	0.5	0.5	3.9%	0.5	93.8%
Ca	0.0602	2.2%		0.0582	0.0631	8.6%						
Cd	N/A		0.0011	<DL	<DL		167.3%	0.7	2.5	251.1%	0.5	142.2%
Ce	N/A			<DL	<DL							
Co	N/A		0.0115	(0.0105)	<DL		91.7%	4.0	6.1	52.2%	5.0	79.6%
Cr	0.0750	0.3%		0.0744	0.0798	7.1%						
Cu	0.0030	0.8%	0.0057	0.0083	0.0092	11.1%	93.3%	2.5	2.6	5.0%	2.5	98.5%
Dy	N/A			<DL	<DL							
Fe	1.3638	0.3%		1.3507	1.4555	7.8%						
K	0.0338	2.4%		0.0340	(0.0520)							
La	0.0003	14.8%		(0.0004)	<DL							
Li	N/A			<DL	<DL							
Mg	0.0156	1.2%		0.0151	0.0164	8.3%						
Mn	0.0045	0.0%	0.0115	0.0154	0.0165	7.3%	95.4%	4.9	5.1	3.9%	5.0	98.9%
Mo	N/A			(0.0004)	<DL							
Na	9.2938	0.2%		9.2308	9.8522	6.7%						
Nd	N/A			<DL	<DL							
Ni	0.0013	1.2%	0.0115	0.0121	0.0133	10.3%	94.2%	4.9	5.2	4.5%	5.0	98.9%
P	1.5713	0.7%		1.5373	1.7354	12.9%						
Pb	0.0127	3.1%	0.0115	0.0228	0.0226	1.3%	88.1%	4.7	4.5	4.4%	5.0	93.5%
Re	0.0006	18.1%		(0.0006)	<DL							
Rh	N/A			<DL	<DL							
Ru	0.0128	1.6%		0.0128	(0.0151)							
Sb	N/A			(0.0114)	<DL							
Se	N/A		0.0459	0.0242	(0.0312)		52.7%	12.0	15.1	25.4%	20.0	60.1%
Si	0.0581	15.5%		0.2174	0.2291	5.4%						
Sr	0.0151	0.4%		0.0149	0.0158	5.7%						
Te	0.0012	23.6%		(0.0015)	<DL							
Th	N/A			<DL	<DL							
Ti	0.0004	3.4%		(0.0004)	<DL							
Tl	N/A		0.0459	<DL	<DL		58.5%	12.6			20.0	63.0%
U	0.0578	3.8%		0.0586	(0.0962)							
V	0.0002	4.7%	0.0115	0.0112	0.0121	7.9%	96.2%	4.8	5.0	3.0%	5.0	97.0%
Zn	0.0032	0.7%	0.0115	0.0142	0.0166	16.7%	96.1%	4.9	5.7	15.4%	5.0	98.7%
Zr	0.0014	8.7%		0.0033	0.0036	8.8%						
Bi	1.6150	1.0%		1.6058								

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Samp Log#:	90-1276a1	90-1276a1		90-1276a2	90-1276a2		90-1276a5	90-1276a5			
Dilution:	1.00	5.00		1.00	5.00		1.00	5.00			
Wt% Factor	0.02325	0.11626		0.02395	0.11976		0.02360	0.11799			
ICP Run #	1721	1746		1720	1745		1717	1742		DL	QL
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	%Dif	(ug/mL)	(ug/mL)
Ag	<DL	<DL		(0.0002)	<DL		<DL	<DL		0.0067	0.0224
Al	0.0140	(0.0126)		0.0108	(0.0092)		<DL	<DL		0.0427	0.1422
As	<DL	<DL		<DL	<DL		<DL	<DL		0.0882	0.2940
B	(0.0063)	<DL		(0.0076)	<DL		<DL	<DL		0.1553	0.5175
Ba	0.0014	0.0015	8.2%	0.0014	0.0014	5.9%	(0.0001)	<DL		0.0017	0.0055
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0002	0.0007
Ca	0.0479	0.0514	7.2%	0.0496	0.0520	4.8%	0.0067	0.0077	16.2%	0.0004	0.0015
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.1248	0.4159
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.0945	0.3151
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.2179	0.7265
Cr	0.0736	0.0765	3.9%	0.0738	0.0758	2.6%	(0.0003)	<DL		0.0091	0.0304
Cu	0.0022	0.0026	21.8%	0.0040	0.0043	8.8%	<DL	<DL		0.0031	0.0102
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0039	0.0130
Fe	1.5920	1.6757	5.3%	1.6193	1.6886	4.3%	0.0013	(0.0006)		0.0034	0.0114
K	(0.0233)	<DL		(0.0226)	<DL		<DL	<DL		0.4180	1.3933
La	(0.0004)	<DL		(0.0004)	<DL		<DL	<DL		0.0086	0.0288
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0047	0.0157
Mg	0.0127	0.0135	6.7%	0.0130	0.0137	5.8%	0.0014	0.0017	23.9%	0.0003	0.0010
Mn	0.0050	0.0052	4.3%	0.0050	0.0051	2.7%	(0.0000)	<DL		0.0014	0.0046
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0170	0.0566
Na	9.7777	10.2296	4.6%	9.9687	10.3179	3.5%	(0.0068)	<DL		0.1638	0.5461
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.0440	0.1466
Ni	0.0024	(0.0029)		0.0021	(0.0026)		<DL	<DL		0.0100	0.0332
P	1.5817	1.8018	13.9%	1.6198	1.8492	14.2%	<DL	<DL		0.2051	0.6836
Pb	0.0333	0.0350	5.1%	0.0322	0.0338	4.7%	<DL	<DL		0.0301	0.1002
Re	(0.0005)	<DL		(0.0005)	<DL		<DL	<DL		0.0094	0.0312
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.0390	0.1299
Ru	0.0141	(0.0173)		0.0145	(0.0167)		<DL	<DL		0.0653	0.2178
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.1634	0.5446
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.0875	0.2915
Si	0.0277	0.0296	7.0%	0.0343	0.0364	5.9%	0.0070	(0.0078)		0.0326	0.1086
Sr	0.0219	0.0228	4.0%	0.0223	0.0229	2.8%	(0.0000)	<DL		0.0003	0.0010
Te	(0.0012)	<DL		(0.0011)	<DL		<DL	<DL		0.0274	0.0915
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.0840	0.2799
Ti	(0.0003)	<DL		(0.0003)	<DL		<DL	<DL		0.0073	0.0242
Tl	<DL	<DL		<DL	<DL		<DL	<DL		1.5843	5.2809
U	0.0703	(0.1011)		0.0699	(0.0901)		<DL	<DL		0.6372	2.1242
V	(0.0002)	<DL		(0.0002)	<DL		<DL	<DL		0.0050	0.0167
Zn	0.0105	0.0118	12.1%	0.0114	0.0127	11.3%	(0.0001)	(0.0012)		0.0038	0.0127
Zr	(0.0003)	<DL		(0.0004)	<DL		<DL	<DL		0.0056	0.0187
Bi	1.7093			1.7433							

* Methods blank - average sample weight used to calculate wt%.

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	90-1276a1 90-1276a2 Average	RPD	Spike Added	90-1276a3 1.00 Spike+ Sample	90-1276a3 5.00 Spike+ Sample	<Sample ID> <Dilution> % Dif	% Rec	90-1276a4 1.00 Spike Control	90-1276a4 5.00 Spike Control	% Dif	Spike STD	% rec
	(Wt %)		(Wt %)	(Wt %)	(Wt %)			(ug/mL)	(ug/mL)		(ug/mL)	
Ag	N/A			<DL	<DL							
Al	0.0124	26.2%		0.0107	(0.0092)							
As	N/A		0.0472	0.0411	0.0499	21.6%	87.0%	16.7	19.4	15.9%	20.0	83.5%
B	0.0070	18.3%		(0.0078)	<DL							
Ba	0.0014	1.3%	0.0472	0.0481	0.0499	3.7%	99.0%	19.8	20.3	2.6%	20.0	99.1%
Be	N/A		0.0012	0.0011	0.0012	3.7%	95.1%	0.5	0.5	4.1%	0.5	94.6%
Ca	0.0488	3.5%		0.0500	0.0531	6.3%						
Cd	N/A		0.0012	<DL	<DL		172.3%	0.7	2.1	208.9%	0.5	138.0%
Ce	N/A			<DL	<DL							
Co	N/A		0.0118	(0.0118)	<DL		99.8%	4.4	6.8	56.2%	5.0	87.4%
Cr	0.0737	0.3%		0.0732	0.0752	2.7%						
Cu	0.0031	59.4%	0.0059	0.0078	0.0085	8.6%	80.4%	2.5	2.6	7.3%	2.5	98.6%
Dy	N/A			<DL	<DL							
Fe	1.6057	1.7%		1.6049	1.6844	5.0%						
K	0.0230	2.9%		(0.0218)	<DL							
La	0.0004	9.8%		(0.0004)	<DL							
Li	N/A			<DL	<DL							
Mg	0.0128	2.2%		0.0129	0.0137	6.5%						
Mn	0.0050	0.6%	0.0118	0.0167	0.0171	2.8%	99.0%	5.0	5.1	2.5%	5.0	100.0%
Mo	N/A			<DL	<DL							
Na	9.8732	1.9%		9.9430	10.4544	5.1%						
Nd	N/A			<DL	<DL							
Ni	0.0022	15.6%	0.0118	0.0136	0.0138	1.5%	96.0%	4.9	5.1	2.8%	5.0	98.7%
P	1.6007	2.4%		1.6124	1.7968	11.4%						
Pb	0.0328	3.3%	0.0118	0.0440	0.0454	3.2%	95.5%	5.0	4.3	15.0%	5.0	100.2%
Re	0.0005	4.8%		(0.0005)	<DL							
Rh	N/A			<DL	<DL							
Ru	0.0143	2.4%		0.0144	(0.0164)							
Sb	N/A			(0.0111)	<DL							
Se	N/A		0.0472	0.0262	(0.0266)		55.5%	12.7	14.0	10.2%	20.0	63.7%
Si	0.0310	21.5%		0.1137	0.1160	2.0%						
Sr	0.0221	1.7%		0.0222	0.0230	3.7%						
Te	0.0011	12.3%		(0.0015)	<DL							
Th	N/A			<DL	<DL							
Ti	0.0003	0.5%		(0.0003)	<DL							
Tl	N/A		0.0472	(0.0601)	<DL		127.4%	25.7	5.3	79.2%	20.0	128.4%
U	0.0701	0.6%		0.0690	<DL							
V	0.0002	12.4%	0.0118	0.0118	0.0121	2.4%	98.6%	4.9	5.0	3.2%	5.0	97.5%
Zn	0.0110	8.5%	0.0118	0.0221	0.0241	9.0%	94.4%	4.9	5.7	16.3%	5.0	98.7%
Zr	0.0003	23.7%		(0.0003)	<DL							
Bi	1.7263	2.0%		1.7075								

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Samp Log#:	90-0304a1	90-0304a2		90-0305a1	90-0305a2		90-0304a3	90-0305a3			
Dilution:	1.00	1.00		1.00	1.00		1.00	1.00			
Wt% Fctr:	0.49560	0.49498		0.47725	0.48651		0.48847	0.48847			
ICP Run#:	1652	1651		1653	1654		1650	1655		DL	QL
	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(ug/mL)	(ug/mL)
Ag	<DL	<DL		<DL	<DL		<DL	<DL		0.0199	0.0665
Al	<DL	<DL		<DL	<DL		<DL	<DL		0.0591	0.1969
As	<DL	<DL		<DL	<DL		<DL	<DL		0.1171	0.3904
B	<DL	<DL		<DL	<DL		<DL	<DL		0.1148	0.3826
Ba	<DL	(0.0023)		(0.0022)	(0.0024)	8.3%	<DL	<DL		0.0044	0.0146
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0003	0.0009
Ca	0.0500	0.0446	11.5%	0.0467	0.0478	2.2%	0.0101	0.0482	130.6%	0.0013	0.0045
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.0101	0.0335
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.3217	1.0722
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.5001	1.6668
Cr	0.0715	0.0730	2.1%	0.0723	0.0721	0.2%	<DL	<DL		0.0167	0.0557
Cu	<DL	<DL		<DL	<DL		<DL	<DL		0.0152	0.0508
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0181	0.0604
Fe	1.5347	1.5589	1.6%	1.5392	1.5712	2.1%	<DL	<DL		0.0118	0.0395
K										0.7315	2.4385
La	<DL	<DL		<DL	<DL		<DL	<DL		0.0247	0.0823
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0214	0.0712
Mg	0.0107	0.0108	0.3%	0.0099	0.0124	22.2%	(0.0008)	(0.0008)	6.3%	0.0015	0.0050
Mn	0.0065	0.0064	0.9%	0.0066	0.0072	7.5%	<DL	<DL		0.0019	0.0063
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0363	0.1210
Na	9.6168	9.7675	1.6%	9.6815	9.7993	1.2%	<DL	<DL		0.2702	0.9006
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.1111	0.3702
Ni										0.0231	0.0769
P	1.5542	1.6192	4.1%	1.5523	1.5979	2.9%	<DL	<DL		0.3481	1.1604
Pb	<DL	<DL		<DL	<DL		<DL	<DL		0.1055	0.3518
Re	<DL	<DL		<DL	<DL		<DL	<DL		0.0249	0.0830
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.1541	0.5137
Ru	<DL	<DL		<DL	<DL		<DL	<DL		0.0820	0.2733
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.3449	1.1496
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.2326	0.7755
Si	0.8068	0.8146	1.0%	0.8124	0.8310	2.3%	<DL	<DL		0.0927	0.3090
Sr	0.0212	0.0216	1.5%	0.0213	0.0215	1.0%	<DL	<DL		0.0017	0.0058
Te	<DL	<DL		<DL	<DL		<DL	<DL		0.1011	0.3369
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.1754	0.5845
Ti	<DL	<DL		<DL	<DL		<DL	<DL		0.0135	0.0450
Tl	<DL	<DL		<DL	<DL		<DL	<DL		2.5070	8.3567
U	<DL	<DL		<DL	<DL		<DL	<DL		1.6162	5.3874
V	<DL	<DL		<DL	<DL		<DL	<DL		0.0173	0.0578
Zn	0.0122	0.0115	6.4%	0.0129	0.0134	3.8%	<DL	<DL		0.0044	0.0146
Zr	<DL	<DL		<DL	<DL		<DL	<DL		0.0143	0.0478
Bi	1.5810	1.6384	3.6%	1.5558	1.5228	2.1%	<DL	<DL			

09/26/90

Samp Log#:	90-1257a1	90-1257a1		90-1257a2	90-1257a2		90-1257a5	90-1257a5			
Dilution:	1.00	5.00		1.00	5.00		1.00	5.00			
Wt% Factor	0.02283	0.11417		0.02374	0.11868		0.02328	0.11638			
ICP Run #	1705	1731		1704	1729		1701	1726		DL	QL
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	%Dif	(ug/mL)	(ug/mL)
Ag	0.0031	0.0032	2.6%	0.0030	0.0034	11.0%	<DL	<DL		0.0067	0.0224
Al	0.0334	0.0352	5.3%	0.0333	0.0347	4.2%	(0.0012)	<DL		0.0427	0.1422
As	<DL	<DL		<DL	<DL		<DL	<DL		0.0882	0.2940
B	(0.0043)	<DL		<DL	<DL		<DL	<DL		0.1553	0.5175
Ba	0.0012	0.0013	7.5%	0.0012	0.0012	0.9%	<DL	<DL		0.0017	0.0055
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0002	0.0007
Ca	0.0599	0.0644	7.5%	0.0644	0.0684	6.2%	0.0143	0.0154	7.2%	0.0004	0.0015
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.1248	0.4159
Ce	(0.0022)	<DL		<DL	<DL		<DL	<DL		0.0945	0.3151
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.2179	0.7265
Cr	0.0720	0.0762	5.8%	0.0720	0.0755	4.9%	<DL	<DL		0.0091	0.0304
Cu	0.0043	0.0046	6.8%	0.0043	0.0046	7.8%	(0.0002)	<DL		0.0031	0.0102
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0039	0.0130
Fe	1.4661	1.5691	7.0%	1.4658	1.5562	6.2%	0.0006	<DL		0.0034	0.0114
K	(0.0264)	<DL		(0.0277)	<DL		<DL	<DL		0.4180	1.3933
La	0.0015	(0.0016)		0.0015	(0.0011)		<DL	<DL		0.0086	0.0288
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0047	0.0157
Mg	0.0156	0.0167	7.4%	0.0161	0.0171	6.5%	0.0029	0.0031	6.7%	0.0003	0.0010
Mn	0.0050	0.0053	6.0%	0.0051	0.0053	4.8%	<DL	<DL		0.0014	0.0046
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0170	0.0566
Na	9.3841	9.9451	6.0%	9.4095	9.8582	4.8%	(0.0056)	<DL		0.1638	0.5461
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.0440	0.1466
Ni	0.0017	(0.0022)		0.0016	(0.0021)		<DL	<DL		0.0100	0.0332
P	1.4726	1.6281	10.6%	1.4762	1.6095	9.0%	<DL	<DL		0.2051	0.6836
Pb	0.0277	0.0306	10.4%	0.0278	0.0316	13.6%	<DL	<DL		0.0301	0.1002
Re	(0.0006)	<DL		(0.0006)	<DL		<DL	<DL		0.0094	0.0312
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.0390	0.1299
Ru	0.0140	(0.0148)		0.0138	(0.0145)		<DL	<DL		0.0653	0.2178
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.1634	0.5446
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.0875	0.2915
Si	0.0693	0.0691	0.3%	0.0357	0.0366	2.4%	0.0040	<DL		0.0326	0.1086
Sr	0.0174	0.0183	4.9%	0.0175	0.0182	4.0%	0.0000	(0.0001)		0.0003	0.0010
Te	(0.0015)	<DL		(0.0011)	<DL		<DL	<DL		0.0274	0.0915
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.0840	0.2799
Ti	0.0007	(0.0010)		0.0007	(0.0010)		<DL	<DL		0.0073	0.0242
Tl	<DL	<DL		<DL	<DL		<DL	<DL		1.5843	5.2809
U	0.0617	<DL		0.0602	<DL		<DL	<DL		0.3772	2.1242
V	(0.0002)	<DL		(0.0002)	<DL		<DL	<DL		0.0050	0.0167
Zn	0.0053	0.0066	24.8%	0.0053	0.0066	25.3%	(0.0001)	0.0018		0.0038	0.0127
Zr	(0.0004)	<DL		(0.0004)	<DL		<DL	<DL		0.0056	0.0187
Bi	1.6463			1.6240							

* Methods blank - average sample weight used to calculate wt%.

09/26/90

	90-1257a1 90-1257a2 Average	RPD	Spike Added	90-1257a3 1.00 Spike+ Sample	90-1257a3 5.00 Spike+ Sample	<Sample ID> <Dilution> % Dif	% Rec	90-1257a4 1.00 Spike Control	90-1257a4 5.00 Spike Control	% Dif	Spike STD	% rec
	(Wt %)		(Wt %)	(Wt %)	(Wt %)			(ug/mL)	(ug/mL)		(ug/mL)	
Ag	0.0031	2.9%		0.0031	0.0039	28.8%						
Al	0.0334	0.4%		0.0346	0.0401	15.9%						
As	N/A		0.0525	0.0471	0.0587	24.7%	89.6%	18.3	19.5	6.2%	20.0	91.7%
B	N/A			(0.0059)	<DL							
Ba	0.0012	2.7%	0.0525	0.0530	0.0580	9.4%	98.6%	20.1	20.1	0.3%	20.0	100.3%
Be	N/A		0.0013	0.0012	0.0014	12.9%	94.3%	0.5	0.5	1.6%	0.5	95.7%
Ca	0.0622	7.2%		0.0692	0.0775	12.1%						
Cd	N/A		0.0013	<DL	<DL		159.7%	0.7			0.5	136.0%
Ce	N/A			<DL	<DL							
Co	N/A		0.0131	(0.0105)	<DL		80.0%	3.6	3.1	14.2%	5.0	71.4%
Cr	0.0720	0.1%		0.0722	0.0817	13.1%						
Cu	0.0043	0.3%	0.0066	0.0107	0.0124	15.6%	97.6%	2.5	2.6	3.4%	2.5	99.9%
Dy	N/A			<DL	<DL							
Fe	1.4659	0.0%		1.4730	1.6680	13.2%						
K	0.0270	4.6%		(0.0289)	<DL							
La	0.0015	0.8%		0.0014	(0.0024)							
Li	N/A			<DL	<DL							
Mg	0.0158	3.0%		0.0163	0.0186	13.8%						
Mn	0.0051	0.6%	0.0131	0.0179	0.0202	12.9%	97.9%	5.0	5.1	1.6%	5.0	100.7%
Mo	N/A			(0.0005)	<DL							
Na	9.3968	0.3%		9.4249	10.3125	9.4%						
Nd	N/A			<DL	<DL							
Ni	0.0017	1.5%	0.0131	0.0143	0.0175	22.1%	96.3%	5.0	5.2	5.4%	5.0	99.6%
P	1.4744	0.2%		1.4967	1.6753	11.9%						
Pb	0.0278	0.2%	0.0131	0.0406	0.0489	20.5%	97.9%	4.7	4.5	4.2%	5.0	94.1%
Re	0.0006	10.5%		(0.0005)	<DL							
Rh	N/A			<DL	<DL							
Ru	0.0139	1.2%		0.0137	(0.0175)							
Sb	N/A			(0.0110)	(0.0286)							
Se	N/A		0.0525	0.0289	0.0384	33.2%	54.9%	12.7	14.5	14.3%	20.0	63.4%
Si	0.0525	63.9%		0.2065	0.2273	10.1%						
Sr	0.0174	0.2%		0.0175	0.0192	10.0%						
Te	0.0013	28.6%		(0.0015)	(0.0052)							
Th	N/A			<DL	<DL							
Ti	0.0007	0.6%		0.0007	(0.0013)							
Tl	N/A		0.0525	<DL	(0.2100)		60.1%	11.5	54.4	372.2%	20.0	57.6%
U	0.0610	2.5%		0.0609	(0.0959)							
V	0.0002	6.5%	0.0053	0.0130	0.0146	12.3%	243.9%	4.9	4.9	0.6%	2.0	245.7%
Zn	0.0053	0.3%	0.0053	0.0181	0.0220	21.4%	244.7%	5.0	5.8	16.6%	2.0	249.3%
Zr	0.0004	4.5%		0.0007	(0.0008)							
Bi	1.6352	1.4%		1.6430								

09/26/90

Date: 9/17/90
Project: SST
Procedure: PNL-SP-7

Analyst: D. P. [illegible] 10/12/90
Reviewer: M W [illegible] 10/12/90

File: ICP1257
Reported: 09/26/90

Sample Log#	90-1257a1	90-1257a1	90-1257a2	90-1257a2	90-1257a3	90-1257a3	90-1257a4	90-1257a4	90-1257a5	90-1257a5
ID	S1 1x	S1 5x	S2 1x	S2 5x	SP+S3 1x	SP+S3 5x	SPK 1x	SPK 5x	BLK 1x	BLK 5x
Prep Type	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid
Sample Wt-g	1.100	1.100	1.058	1.058	0.966	0.966			1.079	1.079
Makeup Vol-mL	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
Dil: Smpl-mL										
Dil: Vol-mL										
Prep Factor	228.33	228.33	237.36	237.36	259.93	259.93			232.76	232.76
Spike ID					B-2	B-2	B-2	B-2		
Spike Vol-mL					25.361	25.361	25.361	25.361		
Spike Dilution					9.86	9.86	9.86	9.86		
ICP Dilution	1.00	5.00	1.00	5.00	1.00	5.00	1.00	5.00	1.00	5.00
Wt% Factor	0.02283	0.11417	0.02374	0.11868	0.02599	0.12997	0.02500	0.12500	0.02328	0.11638
ICP Run #	1705	1731	1704	1729	1703	1728	1702	1727	1701	1726
Weight % Ag	0.0031	0.0032	0.0030	0.0034	0.0031	0.0039	-0.0001	-0.0001	-0.0001	-0.0001
Al	0.0334	0.0352	0.0333	0.0347	0.0346	0.0401	0.0024	0.0031	0.0012	0.0003
As	0.0070	0.0095	0.0081	0.0095	0.0559	0.0687	0.0465	0.0494	0.0006	-0.0022
B	0.0043	-0.0002	0.0036	0.0001	0.0059	0.0047	0.0042	0.0034	0.0004	0.0013
Ba	0.0012	0.0013	0.0012	0.0012	0.0530	0.0580	0.0509	0.0510	0.0000	0.0000
Be	0.0000	0.0000	-0.0000	0.0000	0.0012	0.0014	0.0012	0.0012	-0.0000	-0.0000
Ca	0.0599	0.0644	0.0644	0.0684	0.0692	0.0775	0.0242	0.0254	0.0143	0.0154
Cd	0.0008	-0.0101	0.0008	-0.0102	0.0021	-0.0074	0.0017	-0.0043	0.0004	-0.0001
Ce	0.0022	0.0007	0.0019	0.0019	0.0018	0.0089	-0.0015	-0.0011	-0.0010	-0.0014
Co	-0.0015	-0.0088	-0.0021	-0.0061	0.0105	0.0216	0.0090	0.0078	-0.0027	-0.0052
Cr	0.0720	0.0762	0.0720	0.0755	0.0722	0.0817	0.0001	-0.0004	0.0001	-0.0003
Cu	0.0043	0.0046	0.0043	0.0046	0.0107	0.0124	0.0063	0.0065	0.0002	0.0003
Dy	-0.0001	-0.0000	-0.0001	-0.0000	-0.0000	0.0003	-0.0001	-0.0000	-0.0001	-0.0002
Fe	1.4661	1.5691	1.4658	1.5562	1.4730	1.6680	0.0032	0.0023	0.0006	-0.0003
K	0.0264	-0.0088	0.0277	-0.0131	0.0289	-0.0018	0.0012	-0.0273	-0.0003	-0.0226
La	0.0015	0.0016	0.0015	0.0011	0.0014	0.0024	-0.0002	-0.0001	-0.0001	-0.0002
Li	0.0000	-0.0001	0.0000	-0.0002	-0.0000	0.0001	-0.0000	0.0000	-0.0001	-0.0001
Mg	0.0156	0.0167	0.0161	0.0171	0.0163	0.0186	0.0039	0.0043	0.0029	0.0031
Mn	0.0050	0.0053	0.0051	0.0053	0.0179	0.0202	0.0128	0.0130	0.0000	-0.0000
Mo	0.0003	0.0008	0.0004	0.0003	0.0005	0.0005	-0.0002	0.0002	0.0000	0.0002
Na	9.3841	9.9451	9.4095	9.8582	9.4249	10.3125	0.0199	0.0044	0.0056	-0.0052
Nd	0.0008	0.0023	0.0005	0.0024	0.0006	0.0045	-0.0007	0.0009	-0.0004	0.0008
Ni	0.0017	0.0022	0.0016	0.0021	0.0143	0.0175	0.0126	0.0133	-0.0000	0.0000
P	1.4726	1.6281	1.4762	1.6095	1.4967	1.6753	0.0042	0.0142	0.0028	0.0099
Pb	0.0278	0.0307	0.0278	0.0316	0.0407	0.0490	0.0119	0.0114	-0.0005	0.0008
Re	0.0006	0.0007	0.0006	0.0006	0.0005	0.0012	0.0000	-0.0001	-0.0000	-0.0002
Rh	-0.0004	-0.0004	-0.0004	-0.0005	-0.0004	0.0022	-0.0005	-0.0015	-0.0004	-0.0007
Ru	0.0140	0.0148	0.0138	0.0145	0.0137	0.0175	-0.0002	0.0003	-0.0001	-0.0004
Sb	-0.0006	0.0122	-0.0010	0.0121	0.0110	0.0286	0.0102	0.0128	-0.0028	0.0089
Se	0.0178	0.0185	0.0167	0.0121	0.0503	0.0627	0.0322	0.0368	-0.0005	-0.0020
Si	0.0693	0.0691	0.0357	0.0366	0.2065	0.2273	0.0120	0.0131	0.0040	0.0036
Sr	0.0174	0.0183	0.0175	0.0182	0.0175	0.0192	0.0001	0.0001	0.0000	0.0001
Te	0.0015	0.0030	0.0011	0.0023	0.0015	0.0052	-0.0002	0.0010	-0.0001	0.0011
Th	0.0004	-0.0011	0.0002	-0.0002	0.0000	0.0048	-0.0014	-0.0005	-0.0011	-0.0011
Ti	0.0007	0.0010	0.0007	0.0010	0.0007	0.0013	0.0001	0.0005	0.0001	0.0002
Tl	-0.0101	0.0882	-0.0078	0.0887	0.0316	0.2100	0.0292	0.1381	-0.0135	0.0037
U	0.0617	0.0470	0.0602	0.0484	0.0609	0.0959	-0.0106	-0.0116	-0.0085	-0.0105
V	0.0002	0.0001	0.0002	-0.0001	0.0130	0.0146	0.0125	0.0124	-0.0001	-0.0002
Zn	0.0053	0.0066	0.0053	0.0066	0.0181	0.0220	0.0126	0.0147	0.0001	0.0018
Zr	0.0004	0.0002	0.0004	0.0002	0.0007	0.0008	-0.0000	-0.0002	-0.0000	-0.0002
Bi	1.6463		1.6240		1.6430					

Date: 9/17/90
Project: SST
Procedure: PNL-SP-7
M&TE: WA55672

Data Entry By: JAG 10/12/90
Data Verified By: TML 10/12/90

File: ICP1257a

Sample ID:		90-1257a1	90-1257a1	90-1257a2	90-1257a2	90-1257a3	90-1257a3	90-1257a4	90-1257a4	90-1257a5	90-1257a5
ICP Run #		1705	1731	1704	1729	1703	1728	1702	1727	1701	1726
(ug/mL)	Ag	0.1352	0.0265	0.1262	0.0268	0.1159	0.0287	-0.0060	-0.0020	-0.0040	-0.0020
	Al	1.4744	0.3183	1.4131	0.3021	1.3414	0.3183	0.1072	0.0345	0.0593	0.0119
	As	0.3113	0.0869	0.3432	0.0833	2.1539	0.5320	1.8636	0.3984	0.0290	-0.0160
	B	0.2438	0.0531	0.2075	0.0563	0.2835	0.0915	0.2233	0.0822	0.0710	0.0666
	Ba	0.0521	0.0113	0.0515	0.0105	2.0392	0.4462	2.0344	0.4083	0.0013	0.0005
	Be	0.0001	0.0001	0.0000	0.0001	0.0477	0.0108	0.0486	0.0099	0.0000	0.0000
	Ca	2.6250	0.5646	2.7134	0.5763	2.6614	0.5967	0.9678	0.2030	0.6165	0.1323
	Cd	0.0131	-0.1090	0.0121	-0.1060	0.0603	-0.0770	0.0486	-0.0550	-0.0030	-0.0210
	Ce	0.0830	-0.0080	0.0677	0.0016	0.0539	0.0543	-0.0750	-0.0230	-0.0580	-0.0260
	Co	-0.1010	-0.1110	-0.1220	-0.0850	0.3703	0.1322	0.3279	0.0281	-0.1510	-0.0790
	Cr	3.1554	0.6685	3.0330	0.6371	2.7793	0.6292	0.0050	-0.0020	0.0048	-0.0020
	Cu	0.1875	0.0396	0.1798	0.0383	0.4110	0.0946	0.2528	0.0518	0.0077	0.0022
	Dy	-0.0030	-0.0010	-0.0040	-0.0010	-0.0020	0.0014	-0.0030	-0.0010	-0.0030	-0.0020
	Fe	64.2080	13.7440	61.7540	13.1120	56.6690	12.8340	0.1289	0.0184	0.0276	-0.0030
	K	1.0352	-0.1990	1.0434	-0.2320	0.9906	-0.1350	-0.0730	-0.3400	-0.1360	-0.3160
	La	0.0644	0.0128	0.0624	0.0088	0.0549	0.0175	-0.0080	-0.0020	-0.0060	-0.0030
	Li	0.0005	-0.0010	0.0002	-0.0020	-0.0020	0.0007	-0.0020	-0.0000	-0.0030	-0.0010
	Mg	0.6827	0.1467	0.6769	0.1442	0.6276	0.1429	0.1579	0.0346	0.1244	0.0266
	Mn	0.2206	0.0468	0.2135	0.0448	0.6892	0.1557	0.5107	0.1038	0.0009	0.0000
(ug/mL)	Mo	0.0147	0.0090	0.0172	0.0048	0.0221	0.0064	-0.0040	0.0040	0.0029	0.0044
	Na	410.9400	87.0690	396.3800	83.0240	362.5500	79.3060	0.7563	-0.0060	0.2009	-0.0860
	Nd	0.0221	0.0093	0.0102	0.0093	0.0136	0.0241	-0.0390	-0.0040	-0.0290	-0.0040
	Ni	0.0708	0.0176	0.0670	0.0158	0.5482	0.1323	0.5030	0.1044	-0.0030	-0.0020
	P	64.4510	14.2190	62.1500	13.5200	57.5380	12.8490	0.1280	0.0719	0.0807	0.0439
	Pb	1.2193	0.2715	1.1756	0.2693	1.5674	0.3799	0.4802	0.0944	-0.0170	0.0097
	Re	0.0259	0.0054	0.0223	0.0042	0.0200	0.0084	0.0003	-0.0020	-0.0010	-0.0030
	Rh	-0.0290	-0.0150	-0.0300	-0.0150	-0.0260	0.0055	-0.0330	-0.0230	-0.0290	-0.0170
	Ru	0.6010	0.1172	0.5709	0.1101	0.5155	0.1222	-0.0200	-0.0100	-0.0180	-0.0160
	Sb	-0.0270	0.1079	-0.0400	0.1028	0.4221	0.2210	0.4088	0.1028	-0.1200	0.0771
	Se	0.7885	0.1715	0.7139	0.1112	1.9451	0.4920	1.2962	0.3035	-0.0130	-0.0080
	Si	3.0273	0.5994	1.4989	0.3025	7.9368	1.7435	0.4732	0.0994	0.1680	0.0252
	Sr	0.7630	0.1601	0.7356	0.1531	0.6732	0.1481	0.0039	0.0009	0.0022	0.0005
	Te	0.0559	0.0189	0.0382	0.0121	0.0515	0.0327	-0.0160	0.0000	-0.0120	0.0017
	Th	-0.0080	-0.0340	-0.0140	-0.0260	-0.0240	0.0128	-0.0810	-0.0280	-0.0710	-0.0340
	Ti	0.0320	0.0083	0.0306	0.0079	0.0284	0.0096	0.0036	0.0037	0.0032	0.0017
	Tl	-0.2950	0.9195	-0.1820	0.8940	1.3619	1.7624	1.3165	1.2515	-0.4310	0.1788
	U	2.5915	0.2993	2.4235	0.2960	2.2306	0.6255	-0.5350	-0.2050	-0.4760	-0.2020
	V	0.0077	0.0002	0.0069	-0.0010	0.4995	0.1119	0.4981	0.0987	-0.0030	-0.0020
	Zn	0.2320	0.0587	0.2239	0.0569	0.6988	0.1705	0.5069	0.1190	0.0071	0.0167
	Zr	0.0169	0.0016	0.0170	0.0013	0.0249	0.0062	-0.0010	-0.0020	-0.0010	-0.0020
(ug/mL)	Bi	72.1000		68.4200		63.2100					

Samp Log#:	90-1275a1	90-1275a1		90-1275a2	90-1275a2		90-1275a5	90-1275a5			
Dilution:	1.00	5.00		1.00	5.00		1.00	5.00			
Wt% Factor	0.02494	0.12471		0.02349	0.11745		0.02419	0.12097			
ICP Run #	1712	1739		1711	1738		1708	1735		DL	QL
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	%Dif	(ug/mL)	(ug/mL)
Ag	0.0017	(0.0021)		<DL	(0.0019)		<DL	<DL		0.0067	0.0224
Al	0.0170	(0.0172)		0.0202	0.0212	4.9%	0.0039	<DL		0.0427	0.1422
As	<DL	<DL		<DL	<DL		<DL	<DL		0.0882	0.2940
B	(0.0066)	<DL		(0.0072)	<DL		(0.0058)	<DL		0.1553	0.5175
Ba	0.0011	0.0012	11.7%	0.0011	0.0012	6.6%	(0.0001)	<DL		0.0017	0.0055
Be	<DL	<DL		<DL	<DL		(0.0000)	<DL		0.0002	0.0007
Ca	0.0595	0.0645	8.3%	0.0609	0.0658	8.1%	0.0162	0.0178	10.2%	0.0004	0.0015
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.1248	0.4159
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.0945	0.3151
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.2179	0.7265
Cr	0.0749	0.0800	6.8%	0.0751	0.0798	6.2%	0.0008	<DL		0.0091	0.0304
Cu	0.0030	0.0034	16.1%	0.0029	0.0033	13.5%	<DL	<DL		0.0031	0.0102
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0039	0.0130
Fe	1.3618	1.4577	7.0%	1.3659	1.4601	6.9%	0.0022	0.0015	30.3%	0.0034	0.0114
K	(0.0334)	<DL		0.0342	(0.0492)		<DL	<DL		0.4180	1.3933
La	(0.0003)	<DL		(0.0003)	<DL		<DL	<DL		0.0086	0.0288
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0047	0.0157
Mg	0.0157	0.0170	8.2%	0.0155	0.0167	7.7%	0.0030	0.0035	14.2%	0.0003	0.0010
Mn	0.0045	0.0048	7.5%	0.0045	0.0048	6.8%	(0.0001)	<DL		0.0014	0.0046
Mo	<DL	<DL		(0.0005)	<DL		<DL	<DL		0.0170	0.0566
Na	9.2846	9.8839	6.5%	9.3031	9.8553	5.9%	0.0421	(0.0447)		0.1638	0.5461
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.0440	0.1466
Ni	0.0013	(0.0019)		0.0013	(0.0016)		<DL	<DL		0.0100	0.0332
P	1.5656	1.7339	10.8%	1.5770	1.6975	7.6%	<DL	<DL		0.2051	0.6836
Pb	0.0126	0.0133	5.8%	0.0129	(0.0117)		(0.0021)	<DL		0.0301	0.1002
Re	(0.0005)	<DL		(0.0006)	<DL		<DL	<DL		0.0094	0.0312
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.0390	0.1299
Ru	0.0127	(0.0161)		0.0129	(0.0154)		<DL	<DL		0.0653	0.2178
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.1634	0.5446
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.0875	0.2915
Si	0.0626	0.0661	5.7%	0.0536	0.0562	4.8%	0.0072	(0.0085)		0.0326	0.1086
Sr	0.0150	0.0159	5.5%	0.0151	0.0159	5.1%	0.0001	(0.0001)		0.0003	0.0010
Te	(0.0014)	<DL		(0.0011)	<DL		<DL	<DL		0.0274	0.0915
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.0840	0.2799
Ti	(0.0004)	<DL		(0.0004)	<DL		<DL	<DL		0.0073	0.0242
Tl	<DL	<DL		<DL	<DL		<DL	<DL		1.5843	5.2809
U	0.0567	(0.1009)		0.0589	(0.0915)		<DL	<DL		0.6372	2.1242
V	(0.0002)	<DL		(0.0002)	<DL		<DL	<DL		0.0050	0.0167
Zn	0.0032	0.0041	29.6%	0.0032	0.0040	27.1%	(0.0001)	(0.0010)		0.0038	0.0127
Zr	0.0015	(0.0017)		0.0014	(0.0016)		0.0145	0.0151	4.6%	0.0056	0.0187
Bi	1.6234			1.6065							

* Methods blank - average sample weight used to calculate wt%.

09/26/90

	90-1275a1 90-1275a2 Average	RPD	Spike Added	90-1275a3 1.00 Spike+ Sample	90-1275a3 5.00 Spike+ Sample	<Sample ID> <Dilution> % Dif	% Rec	90-1275a4 1.00 Spike Control	90-1275a4 5.00 Spike Control	% Dif	Spike STD	% rec
	(Wt %)		(Wt %)	(Wt %)	(Wt %)			(ug/mL)	(ug/mL)		(ug/mL)	
Ag	N/A			0.0017	(0.0019)							
Al	0.0186	17.0%		0.0167	0.0178	6.4%						
As	N/A		0.0459	0.0392	0.0450	14.7%	85.5%	17.3	20.4	18.1%	20.0	86.4%
B	0.0069	8.8%		(0.0067)	<DL							
Ba	0.0011	2.8%	0.0459	0.0455	0.0479	5.2%	96.9%	19.8	20.3	2.7%	20.0	98.9%
Be	N/A		0.0011	0.0011	0.0011	7.5%	92.7%	0.5	0.5	3.9%	0.5	93.8%
Ca	0.0602	2.2%		0.0582	0.0631	8.6%						
Cd	N/A		0.0011	<DL	<DL		167.3%	0.7	2.5	251.1%	0.5	142.2%
Ce	N/A			<DL	<DL							
Co	N/A		0.0115	(0.0105)	<DL		91.7%	4.0	6.1	52.2%	5.0	79.6%
Cr	0.0750	0.3%		0.0744	0.0798	7.1%						
Cu	0.0030	0.8%	0.0057	0.0083	0.0092	11.1%	93.3%	2.5	2.6	5.0%	2.5	98.5%
Dy	N/A			<DL	<DL							
Fe	1.3638	0.3%		1.3507	1.4555	7.8%						
K	0.0338	2.4%		0.0340	(0.0520)							
La	0.0003	14.8%		(0.0004)	<DL							
Li	N/A			<DL	<DL							
Mg	0.0156	1.2%		0.0151	0.0164	8.3%						
Mn	0.0045	0.0%	0.0115	0.0154	0.0165	7.3%	95.4%	4.9	5.1	3.9%	5.0	98.9%
Mo	N/A			(0.0004)	<DL							
Na	9.2938	0.2%		9.2308	9.8522	6.7%						
Nd	N/A			<DL	<DL							
Ni	0.0013	1.2%	0.0115	0.0121	0.0133	10.3%	94.2%	4.9	5.2	4.5%	5.0	98.9%
P	1.5713	0.7%		1.5373	1.7354	12.9%						
Pb	0.0127	3.1%	0.0115	0.0228	0.0226	1.3%	88.1%	4.7	4.5	4.4%	5.0	93.5%
Re	0.0006	18.1%		(0.0006)	<DL							
Rh	N/A			<DL	<DL							
Ru	0.0128	1.6%		0.0128	(0.0151)							
Sb	N/A			(0.0114)	<DL							
Se	N/A		0.0459	0.0242	(0.0312)		52.7%	12.0	15.1	25.4%	20.0	60.1%
Si	0.0581	15.5%		0.2174	0.2291	5.4%						
Sr	0.0151	0.4%		0.0149	0.0158	5.7%						
Te	0.0012	23.6%		(0.0015)	<DL							
Th	N/A			<DL	<DL							
Ti	0.0004	3.4%		(0.0004)	<DL							
Tl	N/A		0.0459	<DL	<DL		58.5%	12.6			20.0	63.0%
U	0.0578	3.8%		0.0586	(0.0962)							
V	0.0002	4.7%	0.0046	0.0112	0.0121	7.9%	240.5%	4.8	5.0	3.0%	2.0	242.4%
Zn	0.0032	0.7%	0.0046	0.0142	0.0166	16.7%	240.1%	4.9	5.7	15.4%	2.0	246.7%
Zr	0.0014	8.7%		0.0033	0.0036	8.8%						
Bi	1.6150	1.0%		1.6058								

09/26/90

Date: 9/17/90
Project: SST
Procedure: PNL-SP-7

Analyst: D.C. Ferkel 10/12/90
Reviewer: MWHu 10/12/90

File: icp1275a
Reported: 09/26/90

Sample Log#	90-1275a1	90-1275a1	90-1275a2	90-1275a2	90-1275a3	90-1275a3	90-1275a4	90-1275a4	90-1275a5	90-1275a5
ID	S1 1x	S1 5x	S2 1x	S2 5x	SP+S3 1x	SP+S3 5x	SPK 1x	SPK 5x	BLK 1x	BLK 5x
Prep Type	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid
Sample Wt-g	1.006	1.006	1.069	1.069	1.096	1.096			1.038	1.038
Makeup Vol-mL	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
Dil: Smpl-mL										
Dil: Vol-mL										
Prep Factor	249.41	249.41	234.91	234.91	229.21	229.21			241.94	241.94
Spike ID					B-2	B-2	B-2	B-2		
Spike Vol-mL					25.122	25.122	25.023	25.023		
Spike Dilution					9.95	9.95	9.99	9.99		
ICP Dilution	1.00	5.00	1.00	5.00	1.00	5.00	1.00	5.00	1.00	5.00
Wt% Factor	0.02494	0.12471	0.02349	0.11745	0.02292	0.11460	0.02500	0.12500	0.02419	0.12097
ICP Run #	1712	1739	1711	1738	1710	1737	1709	1736	1708	1735
Weight % Ag	0.0017	0.0021	0.0000	0.0019	0.0017	0.0019	0.0000	-0.0001	0.0001	0.0002
Al	0.0170	0.0172	0.0202	0.0212	0.0167	0.0178	0.0023	0.0015	0.0039	0.0033
As	-0.0005	0.0046	-0.0006	-0.0009	0.0392	0.0450	0.0432	0.0510	-0.0001	-0.0001
B	0.0066	0.0015	0.0072	0.0025	0.0067	0.0019	0.0043	-0.0009	0.0058	0.0007
Ba	0.0011	0.0012	0.0011	0.0012	0.0455	0.0479	0.0495	0.0508	0.0001	0.0001
Be	0.0000	0.0000	0.0000	-0.0000	0.0011	0.0011	0.0012	0.0012	0.0000	0.0000
Ca	0.0595	0.0645	0.0609	0.0658	0.0582	0.0631	0.0170	0.0186	0.0162	0.0178
Cd	0.0009	0.0041	0.0008	0.0040	0.0019	0.0060	0.0018	0.0062	0.0004	0.0047
Ce	0.0007	0.0079	0.0010	0.0064	0.0010	0.0061	-0.0008	-0.0001	-0.0004	0.0014
Co	-0.0009	0.0132	-0.0003	0.0112	0.0105	0.0234	0.0100	0.0152	-0.0012	0.0062
Cr	0.0749	0.0800	0.0751	0.0798	0.0744	0.0798	0.0004	0.0003	0.0008	0.0008
Cu	0.0030	0.0034	0.0029	0.0033	0.0083	0.0092	0.0062	0.0065	0.0001	0.0002
Dy	-0.0000	0.0003	0.0000	0.0003	-0.0000	0.0003	-0.0000	-0.0000	-0.0001	0.0002
Fe	1.3618	1.4577	1.3659	1.4601	1.3507	1.4555	0.0022	0.0011	0.0022	0.0015
K	0.0334	0.0520	0.0342	0.0492	0.0340	0.0520	0.0035	0.0124	0.0024	0.0179
La	0.0003	0.0008	0.0003	0.0006	0.0004	0.0008	-0.0001	0.0001	0.0000	0.0002
Li	0.0000	0.0002	0.0001	0.0002	0.0000	0.0002	0.0000	0.0000	-0.0000	0.0001
Mg	0.0157	0.0170	0.0155	0.0167	0.0151	0.0164	0.0033	0.0037	0.0030	0.0035
Mn	0.0045	0.0048	0.0045	0.0048	0.0154	0.0165	0.0124	0.0129	0.0001	0.0001
Mo	0.0003	0.0016	0.0005	0.0004	0.0004	0.0014	0.0000	0.0008	-0.0001	0.0002
Na	9.2846	9.8839	9.3031	9.8553	9.2308	9.8522	0.0246	0.0222	0.0421	0.0447
Nd	0.0000	0.0041	-0.0002	0.0019	-0.0001	0.0015	-0.0002	0.0011	0.0000	0.0022
Ni	0.0013	0.0019	0.0013	0.0016	0.0121	0.0133	0.0124	0.0129	0.0001	0.0001
P	1.5656	1.7339	1.5770	1.6975	1.5373	1.7354	0.0005	-0.0070	0.0012	-0.0037
Pb	0.0126	0.0133	0.0129	0.0117	0.0228	0.0226	0.0117	0.0112	0.0021	0.0005
Re	0.0005	0.0010	0.0006	0.0006	0.0006	0.0007	-0.0000	0.0001	0.0001	-0.0004
Rh	0.0001	0.0005	0.0001	0.0010	0.0000	0.0016	-0.0002	-0.0004	0.0001	0.0005
Ru	0.0127	0.0161	0.0129	0.0154	0.0128	0.0151	-0.0000	0.0001	0.0001	0.0004
Sb	-0.0005	0.0057	0.0002	0.0017	0.0114	0.0117	0.0114	0.0108	-0.0011	0.0055
Se	-0.0034	-0.0029	-0.0033	0.0011	0.0242	0.0312	0.0299	0.0376	-0.0003	0.0006
Si	0.0626	0.0661	0.0536	0.0562	0.2174	0.2291	0.0103	0.0107	0.0072	0.0085
Sr	0.0150	0.0159	0.0151	0.0159	0.0149	0.0158	0.0001	0.0001	0.0001	0.0001
Te	0.0014	0.0018	0.0011	0.0005	0.0015	0.0005	0.0003	-0.0017	-0.0001	0.0001
Th	-0.0002	0.0057	0.0001	0.0043	0.0004	0.0045	-0.0008	0.0016	-0.0008	0.0032
Ti	0.0004	0.0007	0.0004	0.0007	0.0004	0.0006	0.0002	0.0004	0.0002	0.0004
Tl	-0.0076	-0.1569	-0.0104	-0.0526	0.0268	-0.0642	0.0315	-0.0897	-0.0036	-0.2366
U	0.0567	0.1009	0.0589	0.0915	0.0586	0.0962	-0.0054	0.0119	0.0008	0.0217
V	0.0002	0.0006	0.0002	0.0005	0.0112	0.0121	0.0121	0.0125	-0.0000	0.0001
Zn	0.0032	0.0041	0.0032	0.0040	0.0142	0.0166	0.0123	0.0142	0.0001	0.0010
Zr	0.0015	0.0017	0.0014	0.0016	0.0033	0.0036	0.0004	0.0005	0.0145	0.0151
Bi	1.6234		1.6065		1.6058					

Date: 9/17/90
Project: SST
Procedure: PNL-SP-7
M&TE: WA55672

Data Entry By: JAG 10/12/90
Data Verified By: TML 10/12/90

File: icp1275a

Sample ID:	90-1275a1	90-1275a1	90-1275a2	90-1275a2	90-1275a3	90-1275a3	90-1275a4	90-1275a4	90-1275a5	90-1275a5
ICP Run #	1712	1739	1711	1738	1710	1737	1709	1736	1708	1735
(ug/mL) Ag	0.0662	0.0153	0.0709	0.0144	0.0718	0.0147	-0.0010	-0.0020	0.0006	-0.0000
Al	0.6927	0.1480	0.8697	0.1902	0.7405	0.1653	0.1033	0.0216	0.1713	0.0367
As	0.3045	0.1085	0.3187	0.0690	2.0584	0.4701	1.7329	0.4118	-0.0000	0.0029
B	0.3193	0.0675	0.3615	0.0768	0.3462	0.0720	0.2289	0.0477	0.2946	0.0608
Ba	0.0425	0.0096	0.0464	0.0100	1.9849	0.4179	1.9795	0.4066	0.0040	0.0009
Be	0.0001	0.0001	0.0002	0.0000	0.0464	0.0100	0.0470	0.0098	0.0005	0.0001
Ca	2.3865	0.5171	2.5913	0.5601	2.5373	0.5510	0.6809	0.1486	0.6678	0.1473
Cd	0.0140	0.0126	0.0138	0.0138	0.0633	0.0323	0.0508	0.0296	-0.0020	0.0181
Ce	0.0124	0.0494	0.0277	0.0402	0.0290	0.0386	-0.0460	-0.0150	-0.0320	-0.0030
Co	-0.0690	0.0719	-0.0450	0.0616	0.4245	0.1705	0.3644	0.0873	-0.0840	0.0175
Cr	3.0036	0.6425	3.1988	0.6802	3.2488	0.6969	0.0156	0.0035	0.0321	0.0075
Cu	0.1182	0.0270	0.1245	0.0278	0.3616	0.0799	0.2459	0.0512	0.0016	0.0011
Dy	-0.0010	0.0015	-0.0000	0.0015	-0.0010	0.0017	-0.0020	-0.0010	-0.0030	0.0010
Fe	54.5990	11.6890	58.1470	12.4310	58.9310	12.7000	0.0860	0.0090	0.0900	0.0125
K	1.2179	0.2951	1.3357	0.2973	1.3620	0.3322	0.0203	-0.0220	-0.0240	0.0262
La	0.0112	0.0054	0.0140	0.0045	0.0147	0.0059	-0.0030	-0.0000	-0.0000	0.0009
Li	0.0012	0.0012	0.0021	0.0016	0.0012	0.0016	0.0000	-0.0000	-0.0010	0.0002
Mg	0.6296	0.1363	0.6605	0.1423	0.6605	0.1431	0.1334	0.0299	0.1250	0.0286
Mn	0.1788	0.0385	0.1898	0.0406	0.6719	0.1442	0.4952	0.1030	0.0030	0.0009
(ug/mL) Mo	0.0148	0.0152	0.0226	0.0054	0.0197	0.0142	0.0034	0.0088	-0.0010	0.0038
Na	372.2200	79.2170	395.9900	83.8670	402.6900	85.9270	0.9434	0.1367	1.6978	0.3284
Nd	-0.0090	0.0222	-0.0190	0.0055	-0.0150	0.0018	-0.0170	-0.0020	-0.0090	0.0074
Ni	0.0487	0.0134	0.0525	0.0115	0.5246	0.1141	0.4928	0.1014	0.0019	-0.0010
P	62.7290	13.8630	67.0900	14.4110	67.0290	15.1010	-0.0220	-0.0970	0.0083	-0.0720
Pb	0.5071	0.1097	0.5550	0.1032	1.0007	0.2000	0.4709	0.0925	0.0908	0.0075
Re	0.0204	0.0069	0.0262	0.0046	0.0265	0.0053	-0.0010	-0.0000	0.0045	-0.0040
Rh	-0.0090	-0.0070	-0.0060	-0.0030	-0.0090	0.0028	-0.0190	-0.0140	-0.0090	-0.0070
Ru	0.4962	0.1165	0.5364	0.1191	0.5468	0.1191	-0.0140	-0.0120	-0.0100	-0.0090
Sb	-0.0180	0.0462	0.0089	0.0154	0.4977	0.1026	0.4577	0.0872	-0.0440	0.0462
Se	0.7647	0.1773	0.8171	0.2207	2.0292	0.4885	1.2121	0.3112	0.0063	0.0170
Si	2.5033	0.5245	2.2761	0.4728	9.4795	1.9933	0.4081	0.0797	0.2934	0.0643
Sr	0.6032	0.1273	0.6432	0.1352	0.6519	0.1379	0.0024	0.0005	0.0026	0.0007
Te	0.0471	0.0069	0.0382	-0.0030	0.0574	-0.0030	0.0044	-0.0210	-0.0120	-0.0070
Th	-0.0310	0.0212	-0.0180	0.0127	-0.0060	0.0149	-0.0570	-0.0110	-0.0590	0.0021
Ti	0.0151	0.0054	0.0155	0.0054	0.0158	0.0050	0.0065	0.0029	0.0068	0.0033
Tl	-0.1590	-1.1110	-0.2950	-0.3010	1.3165	-0.4130	1.4073	-0.5710	-0.0000	-1.8090
U	2.1621	0.6968	2.3955	0.6666	2.4452	0.7269	-0.3300	-0.0170	-0.0810	0.0670
V	0.0058	0.0041	0.0065	0.0037	0.4877	0.1049	0.4849	0.0996	-0.0010	0.0007
Zn	0.1278	0.0339	0.1366	0.0355	0.6200	0.1455	0.4949	0.1150	0.0061	0.0095
Zr	0.0590	0.0138	0.0574	0.0135	0.1433	0.0310	0.0177	0.0041	0.5975	0.1248
(ug/mL) Bi	65.0900		68.3900		70.0600					

Samp Log#:	90-1276a1	90-1276a1		90-1276a2	90-1276a2		90-1276a5	90-1276a5			
Dilution:	1.00	5.00		1.00	5.00		1.00	5.00			
Wt% Factor	0.02325	0.11626		0.02395	0.11976		0.02360	0.11799			
ICP Run #	1721	1746		1720	1745		1717	1742		DL	QL
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	%Dif	(ug/mL)	(ug/mL)
Ag	<DL	<DL		(0.0002)	<DL		<DL	<DL		0.0067	0.0224
Al	0.0140	(0.0126)		0.0108	(0.0092)		<DL	<DL		0.0427	0.1422
As	<DL	<DL		<DL	<DL		<DL	<DL		0.0882	0.2940
B	(0.0063)	<DL		(0.0076)	<DL		<DL	<DL		0.1553	0.5175
Ba	0.0014	0.0015	8.2%	0.0014	0.0014	5.9%	(0.0001)	<DL		0.0017	0.0055
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0002	0.0007
Ca	0.0479	0.0514	7.2%	0.0496	0.0520	4.8%	0.0067	0.0077	16.2%	0.0004	0.0015
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.1248	0.4159
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.0945	0.3151
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.2179	0.7265
Cr	0.0736	0.0765	3.9%	0.0738	0.0758	2.6%	(0.0003)	<DL		0.0091	0.0304
Cu	0.0022	0.0026	21.8%	0.0040	0.0043	8.8%	<DL	<DL		0.0031	0.0102
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0039	0.0130
Fe	1.5920	1.6757	5.3%	1.6193	1.6886	4.3%	0.0013	(0.0006)		0.0034	0.0114
K	(0.0233)	<DL		(0.0226)	<DL		<DL	<DL		0.4180	1.3933
La	(0.0004)	<DL		(0.0004)	<DL		<DL	<DL		0.0086	0.0288
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0047	0.0157
Mg	0.0127	0.0135	6.7%	0.0130	0.0137	5.8%	0.0014	0.0017	23.9%	0.0003	0.0010
Mn	0.0050	0.0052	4.3%	0.0050	0.0051	2.7%	(0.0000)	<DL		0.0014	0.0046
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0170	0.0566
Na	9.7777	10.2296	4.6%	9.9687	10.3179	3.5%	(0.0068)	<DL		0.1638	0.5461
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.0440	0.1466
Ni	0.0024	(0.0029)		0.0021	(0.0026)		<DL	<DL		0.0100	0.0332
P	1.5817	1.8018	13.9%	1.6198	1.8492	14.2%	<DL	<DL		0.2051	0.6836
Pb	0.0333	0.0350	5.1%	0.0322	0.0338	4.7%	<DL	<DL		0.0301	0.1002
Re	(0.0005)	<DL		(0.0005)	<DL		<DL	<DL		0.0094	0.0312
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.0390	0.1299
Ru	0.0141	(0.0173)		0.0145	(0.0167)		<DL	<DL		0.0653	0.2178
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.1634	0.5446
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.0875	0.2915
Si	0.0277	0.0296	7.0%	0.0343	0.0364	5.9%	0.0070	(0.0078)		0.0326	0.1086
Sr	0.0219	0.0228	4.0%	0.0223	0.0229	2.8%	(0.0000)	<DL		0.0003	0.0010
Te	(0.0012)	<DL		(0.0011)	<DL		<DL	<DL		0.0274	0.0915
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.0840	0.2799
Ti	(0.0003)	<DL		(0.0003)	<DL		<DL	<DL		0.0073	0.0242
Tl	<DL	<DL		<DL	<DL		<DL	<DL		1.5843	5.2809
U	0.0703	(0.1011)		0.0699	(0.0901)		<DL	<DL		0.6372	2.1242
V	(0.0002)	<DL		(0.0002)	<DL		<DL	<DL		0.0050	0.0167
Zn	0.0105	0.0118	12.1%	0.0114	0.0127	11.3%	(0.0001)	(0.0012)		0.0038	0.0127
Zr	(0.0003)	<DL		(0.0004)	<DL		<DL	<DL		0.0056	0.0187
Bi	1.7093			1.7433							

* Methods blank - average sample weight used to calculate wt%.

09/26/90

	90-1276a1 90-1276a2 Average		Spike Added	90-1276a3 1.00 Spike+ Sample	90-1276a3 5.00 Spike+ Sample	<Sample ID> <Dilution>		90-1276a4 1.00 Spike Control	90-1276a4 5.00 Spike Control		Spike STD	
	(Wt %)	RPD	(Wt %)	(Wt %)	(Wt %)	% Dif	% Rec	(ug/mL)	(ug/mL)	% Dif	(ug/mL)	% rec
Ag	N/A			<DL	<DL							
Al	0.0124	26.2%		0.0107	(0.0092)							
As	N/A		0.0472	0.0411	0.0499	21.6%	87.0%	16.7	19.4	15.9%	20.0	83.5%
B	0.0070	18.3%		(0.0078)	<DL							
Ba	0.0014	1.3%	0.0472	0.0481	0.0499	3.7%	99.0%	19.8	20.3	2.6%	20.0	99.1%
Be	N/A		0.0012	0.0011	0.0012	3.7%	95.1%	0.5	0.5	4.1%	0.5	94.6%
Ca	0.0488	3.5%		0.0500	0.0531	6.3%						
Cd	N/A		0.0012	<DL	<DL		172.3%	0.7	2.1	208.9%	0.5	138.0%
Ce	N/A			<DL	<DL							
Co	N/A		0.0118	(0.0118)	<DL		99.8%	4.4	6.8	56.2%	5.0	87.4%
Cr	0.0737	0.3%		0.0732	0.0752	2.7%						
Cu	0.0031	59.4%	0.0059	0.0078	0.0085	8.6%	80.4%	2.5	2.6	7.3%	2.5	98.6%
Dy	N/A			<DL	<DL							
Fe	1.6057	1.7%		1.6049	1.6844	5.0%						
K	0.0230	2.9%		(0.0218)	<DL							
La	0.0004	9.8%		(0.0004)	<DL							
Li	N/A			<DL	<DL							
Mg	0.0128	2.2%		0.0129	0.0137	6.5%						
Mn	0.0050	0.6%	0.0118	0.0167	0.0171	2.8%	99.0%	5.0	5.1	2.5%	5.0	100.0%
Mo	N/A			<DL	<DL							
Na	9.8732	1.9%		9.9430	10.4544	5.1%						
Nd	N/A			<DL	<DL							
Ni	0.0022	15.6%	0.0118	0.0136	0.0138	1.5%	96.0%	4.9	5.1	2.8%	5.0	98.7%
P	1.6007	2.4%		1.6124	1.7968	11.4%						
Pb	0.0328	3.3%	0.0118	0.0440	0.0454	3.2%	95.5%	5.0	4.3	15.0%	5.0	100.2%
Re	0.0005	4.8%		(0.0005)	<DL							
Rh	N/A			<DL	<DL							
Ru	0.0143	2.4%		0.0144	(0.0164)							
Sb	N/A			(0.0111)	<DL							
Se	N/A		0.0472	0.0262	(0.0266)		55.5%	12.7	14.0	10.2%	20.0	63.7%
Si	0.0310	21.5%		0.1137	0.1160	2.0%						
Sr	0.0221	1.7%		0.0222	0.0230	3.7%						
Te	0.0011	12.3%		(0.0015)	<DL							
Th	N/A			<DL	<DL							
Ti	0.0003	0.5%		(0.0003)	<DL							
Tl	N/A		0.0472	(0.0601)	<DL		127.4%	25.7	5.3	79.2%	20.0	128.4%
U	0.0701	0.6%		0.0690	<DL							
V	0.0002	12.4%	0.0047	0.0118	0.0121	2.4%	246.5%	4.9	5.0	3.2%	2.0	243.7%
Zn	0.0110	8.5%	0.0047	0.0221	0.0241	9.0%	235.9%	4.9	5.7	16.3%	2.0	246.8%
Zr	0.0003	23.7%		(0.0003)	<DL							
Bi	1.7263	2.0%		1.7075								

09/26/90

Date: 9/17/90
Project: SST
Procedure: PNL-SP-7

Analyst: J.P. Dunlap 10/12/90
Reviewer: M.W. Thu 10/12/90

File: icp1276a
Reported: 09/26/90

Sample Log#	90-1276a1	90-1276a1	90-1276a2	90-1276a2	90-1276a3	90-1276a3	90-1276a4	90-1276a4	90-1276a5	90-1276a5
ID	S1 1x	S1 5x	S2 1x	S2 5x	SP+S3 1x	SP+S3 5x	SPK 1x	SPK 5x	BLK 1x	BLK 5x
Prep Type	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid	Acid
Sample Wt-g	1.080	1.080	1.048	1.048	1.064	1.064			1.064	1.064
Makeup Vol-mL	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
Dil: Smpl-mL										
Dil: Vol-mL										
Prep Factor	232.52	232.52	239.53	239.53	235.94	235.94			235.97	235.97
Spike ID					B-2	B-2	B-2	B-2		
Spike Vol-mL					25.116	25.116	25.037	25.037		
Spike Dilution					9.95	9.95	9.99	9.99		
ICP Dilution	1.00	5.00	1.00	5.00	1.00	5.00	1.00	5.00	1.00	5.00
Wt% Factor	0.02325	0.11626	0.02395	0.11976	0.02359	0.11797	0.02500	0.12500	0.02360	0.11799
ICP Run #	1721	1746	1720	1745	1719	1749	1718	1743	1717	1742
Weight % Ag	0.0001	0.0002	0.0002	0.0003	0.0001	-0.0001	-0.0000	0.0001	0.0000	0.0002
Al	0.0140	0.0126	0.0108	0.0092	0.0107	0.0092	0.0030	0.0022	0.0007	-0.0009
As	-0.0010	0.0014	-0.0014	-0.0001	0.0411	0.0499	0.0418	0.0484	-0.0012	0.0028
B	0.0063	0.0025	0.0076	0.0037	0.0078	0.0049	0.0021	-0.0007	0.0021	0.0006
Ba	0.0014	0.0015	0.0014	0.0014	0.0481	0.0499	0.0496	0.0509	0.0001	0.0001
Be	-0.0000	-0.0000	-0.0000	-0.0000	0.0011	0.0012	0.0012	0.0012	-0.0000	-0.0000
Ca	0.0479	0.0514	0.0496	0.0520	0.0500	0.0531	0.0091	0.0108	0.0067	0.0077
Cd	0.0008	0.0033	0.0009	0.0037	0.0020	0.0048	0.0017	0.0053	0.0005	0.0035
Ce	0.0011	0.0069	0.0010	0.0060	0.0008	0.0003	-0.0007	0.0026	-0.0003	0.0030
Co	0.0014	0.0120	0.0010	0.0078	0.0118	0.0107	0.0109	0.0171	0.0000	0.0058
Cr	0.0736	0.0765	0.0738	0.0758	0.0732	0.0752	0.0003	0.0004	0.0003	0.0004
Cu	0.0022	0.0026	0.0040	0.0043	0.0078	0.0085	0.0062	0.0066	0.0001	0.0003
Dy	-0.0001	0.0003	-0.0000	0.0004	-0.0001	0.0001	-0.0001	0.0001	-0.0001	0.0001
Fe	1.5920	1.6757	1.6193	1.6886	1.6049	1.6844	0.0016	0.0011	0.0013	0.0006
K	0.0233	0.0322	0.0226	0.0242	0.0218	0.0208	0.0024	0.0048	0.0024	0.0069
La	0.0004	0.0008	0.0004	0.0007	0.0004	0.0006	-0.0001	0.0001	-0.0000	-0.0000
Li	0.0000	0.0000	0.0000	0.0002	0.0000	-0.0002	-0.0000	0.0000	0.0000	0.0000
Mg	0.0127	0.0135	0.0130	0.0137	0.0129	0.0137	0.0018	0.0022	0.0014	0.0017
Mn	0.0050	0.0052	0.0050	0.0051	0.0167	0.0171	0.0125	0.0128	0.0000	0.0001
Mo	0.0001	0.0009	0.0001	0.0015	0.0001	0.0008	-0.0002	0.0012	-0.0001	-0.0002
Na	9.7777	10.2296	9.9687	10.3179	9.9430	10.4544	0.0147	0.0117	0.0068	0.0044
Nd	0.0001	0.0032	0.0000	0.0028	-0.0003	-0.0000	-0.0002	0.0020	-0.0000	0.0024
Ni	0.0024	0.0029	0.0021	0.0026	0.0136	0.0138	0.0124	0.0127	0.0000	0.0005
P	1.5817	1.8018	1.6198	1.8492	1.6124	1.7968	0.0015	-0.0070	-0.0005	-0.0037
Pb	0.0333	0.0350	0.0322	0.0338	0.0440	0.0454	0.0125	0.0106	0.0001	-0.0013
Re	0.0005	0.0009	0.0005	0.0007	0.0005	0.0003	-0.0001	-0.0000	-0.0001	-0.0000
Rh	0.0000	0.0021	-0.0003	0.0006	-0.0005	-0.0016	-0.0004	-0.0005	-0.0002	0.0004
Ru	0.0141	0.0173	0.0145	0.0167	0.0144	0.0164	-0.0012	0.0008	-0.0010	0.0013
Sb	0.0006	0.0059	0.0007	0.0054	0.0111	0.0150	0.0119	0.0134	-0.0003	-0.0001
Se	-0.0040	-0.0035	-0.0040	-0.0031	0.0262	0.0266	0.0318	0.0350	-0.0008	-0.0004
Si	0.0277	0.0296	0.0343	0.0364	0.1137	0.1160	0.0098	0.0103	0.0070	0.0078
Sr	0.0219	0.0228	0.0223	0.0229	0.0222	0.0230	0.0000	0.0000	0.0000	0.0000
Te	0.0012	0.0011	0.0011	0.0011	0.0015	0.0009	-0.0002	0.0006	-0.0001	0.0003
Th	0.0009	0.0060	0.0006	0.0042	0.0006	0.0011	-0.0006	0.0009	-0.0000	0.0026
Ti	0.0003	0.0007	0.0003	0.0007	0.0003	0.0005	0.0001	0.0005	0.0001	0.0003
Tl	0.0108	-0.1019	0.0301	-0.0290	0.0601	0.0463	0.0643	0.0134	0.0179	-0.1259
U	0.0703	0.1011	0.0699	0.0901	0.0690	0.0642	-0.0043	0.0157	-0.0001	0.0215
V	0.0002	0.0005	0.0002	0.0005	0.0118	0.0121	0.0122	0.0126	0.0000	0.0002
Zn	0.0105	0.0118	0.0114	0.0127	0.0221	0.0241	0.0124	0.0144	0.0001	0.0012
Zr	0.0003	0.0006	0.0004	0.0005	0.0003	0.0002	-0.0000	0.0001	0.0001	0.0002
Bi	1.7093		1.7433		1.7075					

Date: 9/17/90
Project: SST
Procedure: PNL-SP-7
M&TE: WA55672

Data Entry By: JAG 10/12/90
Data Verified By: TMC 10/12/90

File: icp1276a

Sample ID:	90-1276a1	90-1276a1	90-1276a2	90-1276a2	90-1276a3	90-1276a3	90-1276a4	90-1276a4	90-1276a5	90-1276a5
ICP Run #	1721	1746	1720	1745	1719	1749	1718	1743	1717	1742
(ug/mL) Ag	0.0042	-0.0000	0.0062	0.0007	0.0023	-0.0020	-0.0030	-0.0010	-0.0010	-0.0000
Al	0.6135	0.1178	0.4599	0.0864	0.4648	0.0875	0.1303	0.0270	0.0399	0.0022
As	0.3595	0.0992	0.3367	0.0841	2.1367	0.5089	1.6766	0.3910	-0.0470	0.0273
B	0.3275	0.0768	0.3727	0.0860	0.3864	0.0963	0.1388	0.0493	0.1436	0.0601
Ba	0.0596	0.0130	0.0571	0.0122	2.0383	0.4230	1.9848	0.4074	0.0030	0.0008
Be	-0.0000	0.0000	-0.0000	-0.0000	0.0476	0.0099	0.0474	0.0099	-0.0000	-0.0000
Ca	2.0610	0.4418	2.0723	0.4343	2.1174	0.4501	0.3635	0.0867	0.2824	0.0657
Cd	0.0160	0.0079	0.0167	0.0106	0.0658	0.0206	0.0487	0.0223	0.0011	0.0095
Ce	0.0343	0.0448	0.0288	0.0355	0.0179	-0.0120	-0.0440	0.0062	-0.0250	0.0108
Co	0.0273	0.0688	0.0060	0.0308	0.4651	0.0565	0.4037	0.1027	-0.0340	0.0154
Cr	3.1678	0.6588	3.0840	0.6334	3.1047	0.6387	0.0120	0.0038	0.0132	0.0044
Cu	0.0925	0.0221	0.1661	0.0357	0.3309	0.0714	0.2464	0.0524	0.0016	0.0017
Dy	-0.0040	0.0017	-0.0020	0.0024	-0.0030	-0.0000	-0.0040	0.0003	-0.0050	-0.0000
Fe	68.4670	14.4130	67.6050	14.0990	68.0210	14.2780	0.0644	0.0090	0.0549	0.0052
K	0.8803	0.1552	0.8230	0.0809	0.8025	0.0546	-0.0270	-0.0830	-0.0200	-0.0630
La	0.0147	0.0062	0.0158	0.0052	0.0151	0.0045	-0.0040	-0.0000	-0.0010	-0.0010
Li	-0.0000	0.0000	0.0009	0.0012	-0.0000	-0.0020	-0.0020	0.0000	-0.0000	-0.0000
Mg	0.5451	0.1164	0.5410	0.1145	0.5461	0.1164	0.0711	0.0174	0.0583	0.0145
Mn	0.2141	0.0447	0.2090	0.0430	0.7068	0.1454	0.5009	0.1027	0.0016	0.0007
(ug/mL) Mo	0.0067	0.0096	0.0077	0.0144	0.0061	0.0094	-0.0040	0.0116	-0.0040	0.0008
Na	420.4600	87.9460	416.1400	86.1110	421.3800	88.5780	0.5490	0.0530	0.2451	-0.0040
Nd	-0.0050	0.0166	-0.0100	0.0129	-0.0240	-0.0110	-0.0190	0.0055	-0.0120	0.0092
Ni	0.1018	0.0225	0.0842	0.0194	0.5730	0.1147	0.4922	0.0996	-0.0020	0.0024
P	67.9810	15.4560	67.5840	15.3990	68.3000	15.1900	0.0167	-0.0970	-0.0640	-0.0730
Pb	1.4354	0.3042	1.3488	0.2849	1.8696	0.3881	0.5045	0.0882	0.0077	-0.0080
Re	0.0212	0.0065	0.0216	0.0046	0.0222	0.0015	-0.0050	-0.0010	-0.0030	-0.0010
Rh	-0.0110	0.0069	-0.0220	-0.0060	-0.0310	-0.0250	-0.0290	-0.0150	-0.0190	-0.0080
Ru	0.5957	0.1368	0.5924	0.1272	0.5986	0.1267	-0.0590	-0.0060	-0.0530	-0.0010
Sb	0.0259	0.0513	0.0302	0.0462	0.4699	0.1282	0.4785	0.1077	-0.0120	0.0000
Se	0.7762	0.1754	0.7587	0.1716	2.0418	0.4244	1.2847	0.2905	-0.0190	0.0075
Si	1.1845	0.2490	1.4281	0.2979	4.8131	0.9778	0.3869	0.0769	0.2904	0.0601
Sr	0.9412	0.1958	0.9297	0.1912	0.9418	0.1953	0.0012	0.0004	0.0010	0.0002
Te	0.0437	0.0017	0.0364	0.0017	0.0539	0.0000	-0.0150	-0.0030	-0.0120	-0.0050
Th	0.0156	0.0276	0.0020	0.0106	-0.0000	-0.0150	-0.0470	-0.0170	-0.0250	-0.0020
Ti	0.0121	0.0062	0.0118	0.0054	0.0114	0.0037	0.0039	0.0042	0.0036	0.0021
Tl	0.6115	-0.7300	1.4043	-0.0950	2.6953	0.5395	2.7179	0.2539	0.9060	-0.9200
U	2.9110	0.7571	2.8063	0.6398	2.8124	0.4321	-0.2830	0.0134	-0.1170	0.0703
V	0.0080	0.0042	0.0068	0.0037	0.5006	0.1022	0.4877	0.1003	0.0000	0.0013
Zn	0.4522	0.1022	0.4778	0.1072	0.9374	0.2051	0.4953	0.1160	0.0050	0.0108
Zr	0.0123	0.0049	0.0152	0.0036	0.0124	0.0016	-0.0010	0.0002	0.0024	0.0011
(ug/mL) Bi	73.5100		72.7800		72.3700					

17 Sept 90 9:55-15:51

WORKSHEET
Temporary file
1-Sept17.WK1

CAL			
1698	ICU-1		
1699	CH3		
1700	CL1		
1701	90-1257	A5	1x
02		A4	1x
03		A3	1X
04		A2	1X
05		A1	1X
06	CH2		
07	CL1		
08	90-1275	A5	1X
09		A4	1X
1710		A3	1X
1711		A2	1X
1712		A1	1X
1713	CH3		
1714	CL1		
CAL 15	CH3		
16	CL1		
17	90-1276	A5	1X
18		A4	1X
19		A3	1X
20		A2	1X
21		A1	1X
22	CH2		
17 23	CL1		

Temp1 ICP 1257a
1705, 1731, 1704, 1729, 1703, 1728, 1702, 1727, 1701, 1726

Temp2 ICP 1275a
1712, 1739, 1711, 1738, 1710, 1737, 1709, 1736, 1708, 1735

Temp3 ICP 1276a
1721, 1746, 1720, 1745, 1719, 1744, 1718, 1743, 1717, 1742

TEMP ICU
TEMP CL1
TEMP 2-3

BS - GB

Sept 17 19:15

CAL

1724	CH3		
25	CL1		
26	90-1257	A5	5X
27		A4	5X
28		A3	5X
29		A2	5X
1730	BHB		
31		A1	5X
32	CH2		
CAL 33	CL1		
34	CL1		
35	90-1275	A5	5X
36		A4	5X
37		A3	5X
38		A2	5X
39		A1	5X
1740	CH3		
41	CL1		
42	90-1275	A5	5X
43		A4	5X
44		A3	5X
45		A2	5X
46		A1	5X
47	CA2		
1748	NO GOOOD		
1748 RERUN		CH3	
1749	CL1		

Worksheet
Temporary File
2-SEPT17.WK1

OFFLINE INTERFERENCE CORRECTIONS

As B23 * 0.0125 (Al)
B35 x 0.0057 (Fe)
Se B32 * 0.297 (Cr)
Pb B23 * 0.0012 (Fe)

Date: 4/12/90

Analyst: [illegible] 6-3089 P7-22

Review: RTS

Cor.#.220

SAMPLE PREP DATA SHEET
325-B Hot Cells)

Core ID: TK110B, C9

Segment(s): 5

☐ Composite

☐ Prehomogenized ☑ Homogenized

325-A ID	ALO ID	Analyte or Analysis	Sample Wt Wet (g)	Sample Wt Dry (g)	Percent Solids	Water Wt (g)	Total Vol (ml)	Spike ID	Spike Vol (ml)	Dilution Factor	Diluent Matrix	Pipet Calib (ml)	Miscellaneous
110B-C9-5VD	90-1276-A-1	ICP (Acid)	1.0798				250				2% HCL		
"	90-1276-A-2	"	1.0481				250						
"	90-1276-A-3	"	1.0641				250	B2	25.1162				
"	90-1276-A-4	"	—				250	B2	25.0371				
"	90-1276-A-5	"	—				250						

E03-034

E03-035

Date: 4/17/90

Analyst: [illegible] 6-3089 P7-22

Review: RTS

COC # 218

SAMPLE PREP DATA SHEET
325-B Hot Cells)

Core ID: TK110B-C9

Segment(s): [redacted] Seg. 3

☐ Composite

☐ Prehomogenized

☑ Homogenized

325-A ID	ALO ID	Analyte or Analysis	Sample Wt Wet (g)	Sample Wt Dry (g)	Percent Solids	Water Wt (g)	Total Vol (ml)	Spike ID	Spike Vol (ml)	Dilution Factor	Diluent Matrix	Pipet Calib (ml)	Miscellaneous
110B-C9-3YD	90-1275-A-1	ICP (Acid)	1.0064				250				2% HCL		
"	90-1275-A-2	"	1.0688				250						
"	90-1275-A-3	"	1.0955				250	B2	25.1220				
"	90-1275-A-4	"	—				250	B2	25.0229				
"	90-1275-A-5	"	—				250						

Date: 3/21/90

Analyst: [illegible] 6-3089 P7-22

Review: RTS

COC#206

SAMPLE PREP DATA SHEET
325-B, Hot Cells)

Core ID: TK110B-C9

Segment(s): Com

☑ Composite

☐ Prehomogenized ☐ Homogenized

325-A ID	ALO ID	Analyte or Analysis	Sample Wt Wet (g)	Sample Wt Dry (g)	Percent Solids	Water Wt (g)	Total Vol (ml)	Spike ID	Spike Vol (ml)	Dilution Factor	Diluent Matrix	Pipet Calib (ml)	Miscellaneou
110B-C9-AN	90-1257-A-1	ICP (acid)	1.0997				250				2% HCL	~~[illegible]~~ 3/21	
"	90-1257-A-2	"	1.0577				250						
"	90-1257-A-3	"	0.9655				250	B-2	25.3605			5.0721 x 5	
"	90-1257-A-4	"	—				250	B-2	25.3605			5.0721 x 5	
"	90-1257-A-5	"	—				250						
							250						Blank

E03-036

Base ICP entry template

Verified 9/25/90 TM Longaker

Sample Analysis Date: 09/17/90 SET1 5X

Sample ID:		CH3	CL1	90-1257A5	90-1257A4	90-1257A3	90-1257A2
ICP Run #		1724	1725	1726	1727	1728	~~1719~~ 1729
		OK	—	—	—	OK	OK
(ug/mL)	Ag	0.0418	-0.002	-0.002	-0.002	0.0287	0.0268
	Al	10.045	0.0086	0.0119	0.0345	0.3183	0.3021
	As	2.059	0.0251	-0.016	0.3984	0.532	0.0833
	B	10.112	0.1203	0.0666	0.0822	0.0915	0.0563
	Ba	0.0029	0.0004	0.0005	0.4083	0.4462	0.0105
	Be	0.0013	0.0001	0.000001	0.0099	0.0108	0.0001
	Ca	10.046	0.0002	0.1323	0.203	0.5967	0.5763
	Cd	9.9855	-0.071	-0.021	-0.055	-0.077	-0.106
	Ce	0.281	-0.033	-0.026	-0.023	0.0543	0.0016
	Co	0.2343	-0.085	-0.079	0.0281	0.1322	-0.085
	Cr	10.06	[redacted] -0.001	[redacted] -0.002	[redacted] -0.002	0.63	0.64
	Cu	0.05	-0.001	0.0022	0.0518	0.0946	0.0383
	Dy	10.0390	-0.0010	-0.0020	-0.0010	0.0014	-0.0010
	Fe	0.0108	0.0000	-0.0030	0.0184	12.8340	13.1120
	K	50.0000	-0.3070	-0.3160	-0.3400	-0.1350	-0.2320
	La	10.0430	-0.0030	-0.0030	-0.0020	0.0175	0.0088
	Li	20.0460	0.0000	-0.0010	0.0000	0.0007	-0.0020
	Mg	0.0050	X0.0001	0.0266	0.0346	0.1429	0.1442
	Mn	10.0560	0.0000	0.0000	0.1038	0.1557	0.0448
(ug/mL)	Mo	0.0347	0.0036	0.0044	0.0040	0.0064	0.0048
	Na	100.2500	-0.1100	-0.0860	-0.0060	79.3060	83.0240
	Nd	10.0370	-0.0090	-0.0040	-0.0040	0.0241	0.0093
	Ni	0.0911	-0.0020	-0.0020	0.1044	0.1323	0.0158
	P	10.1080	0.0959	0.0439	0.0719	12.8490	13.5200
	Pb	0.3509	0.0097	0.0097	0.0944	0.3799	0.2693
	Re	10.0550	0.0004	-0.0030	-0.0020	0.0084	0.0042
	Rh	0.4151	-0.0190	-0.0170	-0.0230	0.0055	-0.0150
	Ru	10.0450	-0.0060	-0.0160	-0.0100	0.1222	0.1101
	Sb	0.2004	0.0976	0.0771	0.1028	0.2210	0.1028
	Se	10.0320	0.0019	-0.0080	0.3035	0.4920	0.1112
	Si	10.0560	-0.0040	0.0252	0.0994	1.7435	0.3025
	Sr	0.0651	0.0000	0.0005	0.0009	0.1481	0.1531
	Te	0.4253	-0.0190	0.0017	0.0000	0.0327	0.0121
	Th	10.0620	-0.0430	-0.0340	-0.0280	0.0128	-0.0260
	Ti	0.0404	0.0000	0.0017	0.0037	0.0096	0.0079
	Tl	10.8040	0.1021	0.1788	1.2515	1.7624	0.8940
	U	1.2376	-0.2460	-0.2020	-0.2050	0.6255	0.2960
	V	0.0386	-0.0020	-0.0020	0.0987	0.1119	-0.0010
	Zn	0.0799	0.0033	0.0167	0.1190	0.1705	0.0569
	Zr	0.9465	-0.0020	-0.0020	-0.0020	0.0062	0.0013

DO NOT USE
BAD SAMPLE
1730

90-1257A1	CH2	CL1	CL1	90-1275A5	90-1275A4	90-1275A3
1731	1732	1733	1734	1735	1736	1737
ok	ok	ok	ok	—	ok	ok
0.0265	0.0937	-0.003	0.001	0.0	0.0	0.0
0.3183	0.396	0.0119	0.000001	0.0367	0.0216	0.1653
0.0869	10.379	0.0029	0.0029	0.00	0.41	0.47
0.0531	0.0384	-0.003	0.0003	0.06	0.05	0.07
0.0113	10.21	0.0001	0.0001	0.0009	0.4066	0.4179
0.0001	1.0178	0.0001	-0.00001	0.0001	0.0098	0.01
0.5646	0.0341	-0.00001	0.000001	0.15	0.15	0.55
-0.109	-0.088	-0.128	0.0004	0.02	0.03	0.03
-0.008	10.182	-0.029	0.000001	-0.003	-0.015	0.0386
-0.111	10.136	-0.082	0.0154	0.02	0.09	0.17
0.67	0.02	0.00	-0.00001	0.0075	0.0035	0.6969
0.0396	10.202	-0.001	0.0004	0.0011	0.0512	0.0799
-0.0010	0.0191	-0.0020	-0.000001	0.0010	-0.0010	0.0017
13.7440	10.1950	0.0005	-0.001	0.0125	0.0090	12.7000
-0.1990	-0.4680	-0.4400	0.0087	0.0262	-0.0220	0.3322
0.0128	0.0736	-0.0020	0.0019	0.0009	0.0000	0.0059
-0.0010	-0.0020	-0.0010	0.0007	0.0002	0.0000	0.0016
0.1467	10.1770	0.0003	-0.000001	0.0286	0.0299	0.1431
0.0468	0.0037	-0.0010	-0.0000001	0.0009	0.1030	0.1442
0.0090	10.7090	0.0110	0.0068	0.0038	0.0088	0.0142
87.0690	10.0630	-0.1680	0.0082	0.3284	0.1367	85.9270
0.0093	0.1260	-0.0070	0.0037	0.0074	-0.0020	0.0018
0.0176	10.1800	0.0018	0.0012	-0.0010	0.1014	0.1141
14.2190	2.2853	0.0479	-0.101	[redacted]	-0.077 0.0970	15.1010
0.2715	10.1790	0.0097	-0.002	0.0075	0.0925	0.2000
0.0054	0.0164	0.0011	-0.005	-0.0040	0.0000	0.0053
-0.0150	10.1810	-0.0180	-0.007	-0.0070	-0.0140	0.0028
0.1172	0.1156	-0.0100	-0.001	-0.0090	-0.0120	0.1191
0.1079	20.8170	0.0206	-0.021	0.0462	0.0872	0.1026
0.1715	1.2667	0.0603	0.0321	0.0170	0.3112	0.4885
0.5994	0.3235	-0.0130	-0.007	0.0643	0.0797	1.9933
0.1601	10.1990	0.0002	0.000001	0.0007	0.0005	0.1379
0.0189	10.2410	0.0103	0.000001	-0.0070	-0.0210	-0.0030
-0.0340	0.9068	-0.0340	0.0021	0.0021	-0.0110	0.0149
0.0083	10.2000	0.0025	-0.001	0.0033	0.0029	0.0050
0.9195	3.6781	1.2515	-0.508	-1.8090	-0.5710	-0.4130
0.2993	33.0930	-0.2390	0.0369	0.0670	-0.0170	0.7269
0.0002	10.1970	-0.0010	0.0006	0.0007	0.0996	0.1049
0.0587	10.0880	0.0008	-0.00001	0.0095	0.1150	0.1455
0.0016	10.1670	0.0000	0.0005	0.1248	0.0041	0.0310

```
NORM ALLELE
Result file (<CR> for no storage) = ^1mM1
Do you wish to normalise all standards [Y/N] ?

The following standards are used in this programme(s) :
 CL1     CH4     CH2     CH1
Sample name     : CL1

Press <CR> when ready to start measurement
C4:1C2H6n
Sample name     : CL1
Programme       : ALLELE          17-Sep-90  19:00:25
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AG 5.59000 AL 9.04000 AS 13.1600 BA 5.19000 BA 6.17000 BE 6.40000 CA 4.50000
CD 12.4900 CE 12.1800 CO 34.2400 CR 5.86000 CU 10.7300 DY 7.14000 FE 6.29000
K1 26.1900 LA 7.94000 LI 5.68000 MG 3.64000 MN 5.87000 MO 5.25000 NA 6.86000
ND 5.55000 NI 5.05000 P4 6.14000 PB 7.66000 RE 5.23000 RH 8.55000 RU 9.62000
SB 4.27000 SE 8.21000 SI 5.83000 SR 6.18000 TE 4.75000 TH 7.52000 TI 4.23000
TL 4.88000 U  30.7200 V  9.26000 ZN 4.92000 ZR 7.00000
[1] Direct Intensities
AG 5.58000 AL 9.07000 AS 12.6400 BA 5.18000 BA 6.22000 BE 6.42000 CA 4.45000
CD 11.7900 CE 12.2100 CO 34.1600 CR 5.86000 CU 10.6900 DY 7.15000 FE 6.27000
K1 26.0800 LA 7.91300 LI 5.68000 MG 3.65000 MN 5.87000 MO 5.19000 NA 6.81000
ND 5.53000 NI 5.05000 P4 6.14000 PB 7.65000 RE 5.28000 RH 8.53000 RU 9.05000
SB 4.29000 SE 8.19000 SI 5.87000 SR 6.19000 TE 4.74000 TH 7.50000 TI 4.22000
TL 4.81000 U  30.6700 V  9.17000 ZN 4.92000 ZR 7.00000
[1] Direct Intensities
AG 5.59000 AL 9.02000 AS 13.2500 BA 5.23000 BA 6.26000 BE 6.41000 CA 4.50000
CD 10.9500 CE 12.1800 CO 34.2000 CR 5.81000 CU 10.7400 DY 7.17000 FE 6.21000
K1 26.0000 LA 7.99000 LI 5.69000 MG 3.65000 MN 5.89000 MO 5.34000 NA 6.81000
ND 5.56000 NI 5.09000 P4 6.10000 PB 7.56000 RE 5.23600 RH 8.52000 RU 8.99000
SB 4.29000 SE 8.14000 SI 5.83000 SR 6.14000 TE 4.70000 TH 7.54000 TI 4.22000
TL 4.83000 U  30.7700 V  9.13000 ZN 4.90000 ZR 7.00000
```

NAME	MV INT	RSD	SCOR
AG	5.59	0.10	0.00000
AL	9.04	0.23	0.00000
AS	13.02	2.53	0.00000
BA	5.23	0.51	0.00000
BA	6.22	0.50	0.00000
BE	6.41	0.16	0.00000
CA	4.48	0.04	0.00000
CD	11.74	0.57	0.00000
CE	12.19	0.14	0.00000
CO	34.23	0.13	0.00000
CR	5.84	0.49	0.00000
CU	10.72	0.25	0.00000
DY	7.15	0.21	0.00000
FE	6.29	0.32	0.00000
K1	26.09	0.35	0.00000
LA	7.91	0.32	0.00000
LI	5.68	0.10	0.00000
MG	3.65	0.16	0.00000
MN	5.88	0.20	0.00000
MO	5.26	1.44	0.00000
NA	6.83	0.42	0.00000
ND	5.55	0.23	0.00000

NI	5.06	0.46	0.00000
P4	6.13	0.43	0.00000
PB	7.62	0.72	0.00000
RE	5.15	0.35	0.00000
RH	8.53	0.19	0.00000
U	9.02	0.33	0.00000
UB	4.33	1.07	0.00000
SE	3.21	0.31	0.00000
SI	5.96	0.45	0.00000
SR	6.17	0.43	0.00000
TE	4.73	0.56	0.00000
TH	7.52	0.27	0.00000
TI	4.22	0.14	0.00000
TL	4.84	0.74	0.00000
U	30.72	0.16	0.00000
V	9.20	0.66	0.00000
ZN	4.31	0.24	0.00000
ZR	7.86	0.00	0.00000

Ature [N/Y] ? Y

Channel	Old	New	Nominal	Drift
AG	6.15000	5.58667	6.60333	*
AL8	11.2233	7.04333	12.7967	*
AS	14.4867	13.0167	16.2400	*
B04	5.61667	5.20000	6.03667	*
BA02	6.76333	6.22333	7.24667	*
BE	7.43000	6.41000	8.16000	*
CA15	4.88333	4.48333	4.45333	
CD	9.00667	11.7433	10.1800	*
CE18	13.8000	12.1900	15.4767	*
CO	39.2267	34.2267	34.1133	*
CR21	6.44667	5.84333	6.96000	*
CU	13.2467	10.7200	14.2333	*
DY2[illegible]	8.00000	7.15333	8.68333	*
FE05	7.08667	6.29300	7.39000	*
K14	27.1400	26.0867	28.1467	*
LA13	9.97667	7.91333	9.71667	*
LI13	5.99000	5.63333	6.21333	*
MG[illegible]	3.92000	3.64667	3.76333	*
MN20	6.48000	5.97667	7.13333	*
MO33	6.08667	5.26000	6.54000	*
NA22	6.70667	6.92667	7.06000	*
NB16	6.06000	5.54667	6.46000	*
NI19	5.60000	5.06333	6.12000	*
P4	6.35667	6.13000	3.33000	*
PB	8.69667	7.62333	9.84000	*
PD25	5.76000	5.24667	6.25333	*
RH12	9.49000	8.53333	10.8967	*
RU03	10.3533	9.02000	11.4667	*
SB	4.63000	4.31667	4.90000	*
SE	9.37000	8.21333	9.97667	*
SI7	6.49000	5.36000	7.09667	*
SR17	6.77333	6.17000	7.21000	*
TE01	5.29333	4.73000	5.77333	*
TH	8.33333	7.52000	9.56667	*
TI11	4.50333	4.22333	4.87667	*
TL	5.34333	4.84000	5.02667	*
U.	35.1167	30.7200	39.1967	*

```
V        10.5267 9.19687 12.0713   *
ZN9      5.15333 4.81733 5.52667   *
ZN24     7.90000 7.00000 8.76667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name     : CH4

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH4
Programme       : ALLELE          17-Sep-90  19:03:35
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AG 107.800 U  130.000
[1] Direct Intensities
AG 107.800 U  130.000
[1] Direct Intensities
AG 107.300 U  129.500

NAME       MV INT       RSD     ACCR

AG         107.63      0.27  0.00000
U          129.03      0.22  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal Drift
AG       123.367 107.633 141.667   *
U        142.900 129.833 167.467   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name     : CH3

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Programme       : ALLELE          17-Sep-90  19:07:38
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AL 39.7900 BO 108.400 CA 2446.30 CD 287.600 CR 111.300 DY 203.800 K1 101.000
LA 148.200 LI 291.200 MN 811.400 NA 168.900 ND 23.4700 P4 14.5800 RE 92.1500
RU 74.5100 SE 25.6900 SI 29.6000 TH 23.0800 TL 6.22000
[1] Direct Intensities
AL 39.8600 BO 109.200 CA 2450.30 CD 287.100 CR 111.500 DY 204.100 K1 101.290
LA 148.400 LI 292.500 MN 811.700 NA 169.400 ND 23.5000 P4 14.5900 RE 92.0600
RU 74.5300 SE 25.9000 SI 29.6100 TH 23.1000 TL 6.22000
[1] Direct Intensities
AL 40.1500 BO 110.500 CA 2474.00 CD 289.200 CR 112.400 DY 206.100 K1 102.340
LA 149.700 LI 296.200 MN 817.800 NA 171.600 ND 23.6400 P4 14.2500 RE 93.2100
RU 75.2000 SE 26.1000 SI 29.7000 TH 23.2500 TL 6.23000

NAME       MV INT       RSD     ACCR

AL          27.93      0.49  0.00000
BO         109.37      0.97  0.00000
```

```
CA        2456.67      0.62  0.00000
CD         287.97      0.38  0.00000
CR         111.80      0.46  0.00000
DY         204.67      0.61  0.00000
K1         101.54      0.69  0.00000
LA         148.77      0.55  0.00000
LI         293.30      0.88  0.00000
MN         813.63      0.44  0.00000
NA         170.00      0.83  0.00000
ND          23.54      0.39  0.00000
P4          14.47      1.34  0.00000
RE          92.47      0.69  0.00000
RU          74.75      0.53  0.00000
SE          25.90      0.79  0.00000
SI          29.66      0.34  0.00000
TH          23.14      0.40  0.00000
TL           6.22      0.09  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal Drift
AL8      45.0567 39.9333 55.7033   *
B04      120.033 109.367 158.733   *
CA15     2725.67 2456.67 3297.33   *
CD       357.767 287.967 513.200   *
CR21     137.700 111.800 186.267   *
DY26     221:700 204.667 267.533   *
K14      108.467 101.543 117.300   *
LA13     169.333 148.767 207.067   *
LI10     292.633 293.300 321.267   *
MN20     992.733 813.633 1385.33   *
NA22     175.933 170.000 199.067   *
ND16     25.5133 23.5367 29.0733   *
P4       18.5900 14.4733 19.2733   *
RE25     107.500 92.4733 136.567   *
RU03     91.8900 74.7467 124.300   *
SE       30.0400 25.8967 37.9333   *
SI7      34.4000 29.6633 42.9700   *
TH       25.3767 23.1433 30.7667   *
TL       7.26000 6.22333 7.73667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name     : CH2

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH2
Programme       : ALLELE          17-Sep-90  19:11:49
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AS 58.6800 BA 508.500 BE 342.300 CE 33.5800 CO 66.0900 CU 386.000 FE 190.200
MG 1597.00 MO 172.100 NI 59.8000 PB 38.6400 RH 32.6400 SB 17.2300 SR 1578.00
TE 24.0000 TI 83.9300 V  326.100 ZN 393.100 ZR 211.600
[1] Direct Intensities
AS 59.2900 BA 512.000 BE 344.300 CE 33.7200 CO 66.3000 CU 388.800 FE 191.400
MG 1608.00 MO 172.500 NI 60.1100 PB 38.7600 RH 32.7700 SB 17.3700 SR 1589.00
TE 24.2000 TI 84.4900 V  323.000 ZN 395.400 ZR 213.000
```

[1] Direct Intensities
AG 60.6500 BA 511.300 BE 343.700 CE 33.6800 CO 66.3300 CU 388.300 FE 191.200
MG 1607.00 MO 172.000 NI 60.0100 PB 38.6600 RH 32.7100 SB 17.4100 SR 1584.00
TE 24.0600 TI 94.3100 V 327.600 ZN 395.400 ZR 212.500

AME	MV INT	RSD	BCOR
AG	59.54	1.69	0.00000
BA	510.60	0.36	0.00000
BE	343.43	0.30	0.00000
CE	33.66	0.21	0.00300
CO	66.24	0.20	0.00000
CU	387.70	0.39	0.00010
FE	190.93	0.34	0.00000
MG	1604.00	0.38	0.00000
MO	172.20	0.15	0.00000
NI	59.97	0.26	0.00000
PB	38.69	0.17	0.00000
RH	32.71	0.20	0.00000
SB	17.34	0.55	0.00000
SR	1583.33	0.32	0.00000
TE	24.09	0.43	0.00000
TI	94.24	0.34	0.00000
V	327.23	0.31	0.00000
ZN	394.63	0.34	0.00300
ZR	212.37	0.33	0.00000

Store [N/Y] ? Y

Channel	Old	New	Nominal	Drift
AG	71.7367	59.5400	92.7400	*
BA02	567.267	510.600	695.800	*
BE	408.133	343.433	527.033	*
CE18	38.2167	33.6600	46.3933	*
CO	78.6300	66.2400	98.5933	*
CU	422.200	387.700	464.933	*
FE05	231.333	190.933	313.067	*
MG6	1961.33	1604.00	2638.67	*
MO23	214.833	172.200	313.267	*
NI19	73.8100	59.9733	102.367	*
PB	47.5833	38.6867	63.7433	*
RH12	36.3400	32.7067	43.6400	*
SB	20.1667	17.3367	26.5967	*
SR17	1772.33	1583.33	2138.67	*
TE01	28.2367	24.0867	37.1200	*
TI11	97.9267	84.2433	133.867	*
V	388.700	327.233	519.000	*
ZN9	476.833	394.633	631.933	*
ZR24	247.300	212.367	320.100	*

[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

```
 SAMP ALLELE
Result file (<CR> for no storage) = 3911
Sample name     = CH3
Sample number   = 1724
Sample code 1   =
 ample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132Hen
Sample name     : CH3
Sample number   : 1724
Programme       : ALLELE          17-Sep-90  19:15:35
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.03000 Al 40.0900 As 22.5700 B  109.600 Ba 6.35000 Be 6.80000 Ca 2469.00
Cd 287.400 Ce 12.7900 Co 34.9400 Cr 112.400 Cu 12.6000 Dy 205.400 Fe 6.49000
K  101.640 La 149.300 Li 294.300 Mg 4.47000 Mn 817.300 Mo 5.84000 Na 170.400
Nd 23.6200 Ni 5.55000 P  14.7000 Pb 8.69000 Re 92.7600 Rh 9.53000 Ru 74.8000
Sb 4.41000 Se 25.9400 Si 29.7900 Sr 16.4700 Te 5.56000 Th 23.2700 Ti 4.55000
Tl 6.28000 U  31.9200 V  10.4000 Zn 7.94000 Zr 26.4800
[1] Direct Intensities
Ag 6.01000 Al 40.0100 As 22.3500 B  113.700 Ba 6.36000 Be 6.35000 Ca 2469.00
Cd 288.100 Ce 12.8000 Co 35.0200 Cr 112.600 Cu 12.6000 Dy 205.400 Fe 6.50000
K  101.400 La 149.400 Li 293.300 Mg 4.43000 Mn 819.500 Mo 5.88000 Na 170.200
Nd 23.6000 Ni 5.55000 P  14.5300 Pb 8.78000 Re 93.0900 Rh 9.57000 Ru 75.2200
Sb 4.43000 Se 25.9700 Si 29.8000 Sr 16.4400 Te 5.54000 Th 23.2000 Ti 4.56000
Tl 6.24000 U  31.9800 V  10.4700 Zn 7.94000 Zr 26.5400
[1] Direct Intensities
Ag 6.00000 Al 40.1200 As 22.3100 B  111.300 Ba 6.40000 Be 6.36000 Ca 2466.00
Cd 287.200 Ce 12.7900 Co 34.9700 Cr 112.400 Cu 12.6100 Dy 205.500 Fe 6.48000
K  101.590 La 149.400 Li 294.300 Mg 4.42000 Mn 817.600 Mo 5.80000 Na 170.600
Nd 23.5900 Ni 5.59000 P  14.3800 Pb 8.67000 Re 93.0000 Rh 9.51000 Ru 75.1100
Sb 4.50000 Se 25.9500 Si 29.8000 Sr 16.4100 Te 5.56000 Th 23.2500 Ti 4.53000
Tl 6.23000 U  31.9400 V  10.4000 Zn 7.90000 Zr 26.5100
```

NAME	MV INT	CONCEN	SDD	SCOR	SCOR
Ag	7.17	0.0412	3.58	0.00000	0.00000
Al	35.90	10.245	0.18	0.00000	0.00000
As	31.96	2.0590	2.41	0.00000	0.00000
B	160.44	10.112	0.62	0.00000	0.00000
Ba	7.45	0.0029	15.00	0.00000	0.00000
Be	8.82	0.0013	7.03	0.00000	0.00000
Ca	3312.55	10.046	0.07	0.00000	0.00000
Cd	512.47	9.9855	0.17	0.00000	0.00000
Ce	16.35	0.2810	0.96	0.00000	0.00000
Co	45.39	0.2343	5.09	0.00000	0.00000
Cr	187.39	10.063	0.11	0.00000	0.00000
Cu	16.28	0.0500	0.31	0.00000	0.00000
Dy	268.54	10.039	0.07	0.00000	0.00000
Fe	7.72	0.0108	5.00	0.00000	0.00000
K	117.30	50.000	0.17	0.00000	0.00000
La	207.91	10.043	0.04	0.00000	0.00000
Li	322.00	20.046	0.10	0.00000	0.00000
Mg	5.27	0.0050	3.33	0.00000	0.00000
Mn	1793.01	10.056	0.15	0.00000	0.00000
Mo	7.61	0.0347	6.70	0.00000	0.00000

Na	199.54	100.25	0.12	0.00000	0.00000
Nd	29.16	10.037	0.03	0.00000	0.00000
Ni	7.00	0.0911	0.61	0.00000	0.00000
P	19.34	10.108	1.48	0.00000	0.00000
Pb	11.73	0.2509	5.30	0.00000	0.00000
Re	137.28	10.055	0.19	0.00000	0.00000
Rh	12.17	0.4151	3.04	0.00000	0.00000
Ru	124.01	10.045	0.13	0.00000	0.00000
Sb	5.12	0.2004	36.35	0.00000	0.00000
Se	37.92	10.032	0.09	0.00000	0.00000
Si	42.17	10.056	0.02	0.00000	0.00000
Sr	21.13	0.0651	0.29	0.00000	0.00000
Te	7.11	0.4253	1.40	0.00000	0.00000
Th	20.90	10.061	0.23	0.00000	0.00000
Ti	5.42	0.0404	4.72	0.00000	0.00000
Tl	7.77	10.304	1.48	0.00000	0.00000
U	46.77	1.2376	2.49	0.00000	0.00000
V	14.05	0.0386	3.29	0.00000	0.00000
Zn	18.54	0.0799	0.74	0.00000	0.00000
Zr	38.36	0.9465	0.15	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1725
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CL1
Sample number   : 1725
Programme       : ALLELE            17-Sep-90  17:10:58
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.55000 Al 9.06000 As 13.1600 B  6.68000 Ba 6.20000 Be 6.43000 Ca 4.55000
Cd 10.5300 Ce 12.0800 Co 33.0900 Cr 5.81000 Cu 10.7000 Dy 7.10000 Fe 6.29000
K  25.5900 La 7.81000 Li 5.70000 Mg 3.65000 Mn 5.81000 Mo 5.38000 Na 6.65000
Nd 5.53000 Ni 5.65000 P  6.21000 Pb 7.62000 Re 5.21000 Rh 8.48000 Ru 8.95000
Sb 4.35000 Se 8.26000 Si 5.34000 Sr 6.18000 Te 4.68000 Th 7.44000 Ti 4.22000
Tl 4.88000 U  30.4400 V  9.16000 Zn 5.04000 Zr 7.04000
[1] Direct Intensities
Ag 5.58000 Al 9.07000 As 13.3000 B  6.43000 Ba 6.26000 Be 6.44000 Ca 4.52600
Cd 9.67000 Ce 12.1200 Co 33.9300 Cr 5.81000 Cu 10.6700 Dy 7.13000 Fe 6.28000
K  25.6500 La 7.87000 Li 5.6c000 Mg 3.67000 Mn 5.88000 Mo 5.30000 Na 6.63600
Nd 5.52000 Ni 5.85000 P  6.14000 Pb 7.6a000 Re 5.29000 Rh 8.49000 Ru 8.99000
Sb 4.37000 Se 8.15000 Si 5.36000 Sr 6.13000 Te 4.69000 Th 7.45000 Ti 4.21000
Tl 4.81000 U  30.4600 V  9.10200 Zn 4.92000 Zr 7.04000
[1] Direct Intensities
Ag 5.56000 Al 9.08000 As 12.9400 B  6.25000 Ba 6.27000 Be 6.46000 Ca 4.54000
Cd 9.14000 Ce 12.1600 Co 34.0400 Cr 5.80000 Cu 10.7100 Dy 7.16000 Fe 6.29000
K  25.6300 La 7.93000 Li 5.68000 Mg 3.68000 Mn 5.88000 Mo 5.28000 Na 6.66300
Nd 5.54000 Ni 5.85000 P  6.29000 Pb 7.60000 Re 5.25000 Rh 8.49000 Ru 9.00000
Sb 4.42000 Se 8.24000 Si 5.35000 Sr 6.16000 Te 4.71000 Th 7.47000 Ti 4.23000
Tl 4.87000 U  30.5300 V  9.14000 Zn 4.87000 Zr 7.04000

NAME      MV INT   CONCEN      SD      SCOR      SCOR
```

E03-048

Ag	6.57	-0.002	-55.45	0.00000	0.00000
Al	12.83	0.0086	37.50	0.00000	0.00000
As	16.43	0.0251	155.55	0.00000	0.00000
[illegible]	7.87	0.1203	17.23	0.00000	0.00000
a	7.27	0.0004	189.30	0.00000	0.00000
Be	8.21	0.0001	45.03	0.00000	0.00000
Ca	4.52	0.0002	38.64	0.00000	0.00000
Cd	6.68	(-0.071	-35.73	0.00000	0.00000
Ce	15.38	-0.033	-57.14	0.00000	0.00000
Co	43.65	-0.085	-28.42	0.00000	0.00000
Cr	6.94	-0.001	-404.15	0.00000	0.00000
Cu	13.99	-0.001	-78.06	0.00000	0.00000
Dy	8.65	-0.001	-128.57	0.00000	0.00000
Fe	7.38	-0.000	-173.16	0.00000	0.00000
K	27.60	-0.307	-6.59	0.00000	0.00000
La	9.67	-0.003	-166.64	0.00000	0.00000
Li	6.21	-0.000	-600.13	0.00000	0.00000
Mg	4.00	0.0001	76.37	0.00000	0.00000
Mn	7.15	-0.000	-202.07	0.00000	0.00000
Mo	6.65	0.0036	88.14	0.00000	0.00000
Na	6.85	-0.110	-8.45	0.00000	0.00000
Nd	6.44	-0.009	-60.00	0.00000	0.00000
Ni	6.10	-0.002	0.00	0.00000	0.00000
P	8.42	0.0959	87.50	0.00000	0.00000
Pb	9.89	0.0097	101.34	0.00000	0.00000
Re	6.26	0.0004	1179.97	0.00000	0.00000
Rh	10.83	-0.019	-12.37	0.00000	0.00000
Ru	11.40	-0.006	-66.14	0.00000	0.00000
Sb	5.01	0.0976	52.92	0.00000	0.00000
Se	9.98	0.0019	1738.13	0.00000	0.00000
Si	7.08	-0.004	-100.00	0.00000	0.00000
Sr	7.22	0.0000	346.37	0.00000	0.00000
Te	5.71	-0.019	-41.66	0.00000	0.00000
Th	9.48	-0.043	-22.91	0.00000	0.00000
Ti	4.89	-0.000	-300.00	0.00000	0.00000
Tl	5.85	0.1021	384.01	0.00000	0.00000
U	38.87	-0.245	-19.42	0.00000	0.00000
V	11.99	-0.002	-43.24	0.00000	0.00000
Zn	5.75	0.0033	67.21	0.00000	0.00000
Zr	8.85	-0.002	0.00	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901257
Sample number   = 1726
Sample code 1   = A5
Sample code 2   = 5XDIL
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 901257
Sample number   : 1726
Sample code 1   : A5
Sample code 2   : 5XDIL
Programme       : ALLSLI            17-Sep-90  19:25:25
[******] +5 volt power supply out.
[******] -100 volt power supply out.
```

[1] Direct Intensities

Ag 5.56000 Al 9.07000 As 12.2500 B 5.99000 Ba 6.25000 Be 6.39000 Ca 36.9300
Cd 11.5000 Ce 12.1300 Co 33.9300 Cr 5.81000 Cu 10.7900 Dy 7.10000 Fe 6.24000
K 25.6500 La 7.90000 Li 5.60000 Mg 7.90000 Mn 5.89000 Mo 5.28000 Na 6.71000
Nd 5.54000 Ni 5.04000 P 6.12000 Pb 7.60000 Re 5.24000 Rh 8.51000 Ru 8.97000
Sb 4.37000 Se 8.26000 Si 5.90000 Sr 6.29000 Te 4.76000 Th 7.48000 Ti 4.22000
Tl 4.90000 U 30.5200 V 9.16000 Zn 5.47000 Zr 7.02000

[1] Direct Intensities

Ag 5.56000 Al 9.39000 As 13.0800 B 5.89000 Ba 6.24000 Be 6.40000 Ca 36.8900
Cd 11.1100 Ce 12.1300 Co 34.0000 Cr 5.80000 Cu 10.8000 Dy 7.08000 Fe 6.25000
K 25.6600 La 7.86000 Li 5.66000 Mg 7.89000 Mn 5.87300 Mo 5.35000 Na 6.69000
Nd 5.52000 Ni 5.07000 P 6.21000 Pb 7.70000 Re 5.21000 Rh 8.49000 Ru 8.91000
Sb 4.34000 Se 9.00000 Si 5.90000 Sr 6.25000 Te 4.70000 Th 7.44000 Ti 4.25000
Tl 4.81000 U 30.5500 V 9.09000 Zn 5.45000 Zr 7.05000

[1] Direct Intensities

Ag 5.59000 Al 9.09000 As 13.9000 B 5.81000 Ba 6.25000 Be 6.45000 Ca 37.0000
Cd 10.9000 Ce 12.1400 Co 33.9900 Cr 5.87000 Cu 10.8200 Dy 7.16000 Fe 6.21000
K 25.5200 La 7.87000 Li 5.67000 Mg 7.94000 Mn 5.86000 Mo 5.37000 Na 6.66000
Nd 5.56000 Ni 5.05000 P 6.07000 Pb 7.60000 Re 5.21000 Rh 8.48000 Ru 8.96000
Sb 4.39000 Se 6.34000 Si 5.94000 Sr 6.23000 Te 4.74000 Th 7.48000 Ti 4.24000
Tl 4.88000 U 30.4700 V 9.14000 Zn 5.47000 Zr 7.05000

NAME	MV	INT	CONCEN	RSD	BCOR	SCOR
Ag	6.58		-0.002	-103.72	0.00000	0.00000
Al	12.35		0.0119	27.27	0.00000	0.00000
As	16.12		-0.016	-164.95	0.00000	0.00000
B	7.05		0.0666	12.27	0.00000	0.00000
Ba	7.28		0.0005	24.74	0.00000	0.00000
Be	9.17		0.0000	964.35	0.00000	0.00000
Ca	43.03		0.1323	0.18	0.00000	0.00000
Cd	9.14		(-0.021	-53.10	0.00000	0.00000
Ce	15.40		-0.026	-10.17	0.00000	0.00000
Co	43.60		-0.079	-14.95	0.00000	0.00000
Cr	6.93		-0.002	-227.16	0.00000	0.00000
Cu	14.12		0.0021	18.33	0.00000	0.00000
Dy	8.63		-0.002	-104.08	0.00000	0.00000
Fe	7.30		-0.003	-36.74	0.00000	0.00000
K	27.53		-0.316	-16.39	0.00000	0.00000
La	9.67		-0.003	-56.77	0.00000	0.00000
Li	6.20		-0.001	-75.01	0.00000	0.00000
Mg	10.98		0.0266	0.62	0.00000	0.00000
Mn	7.19		0.0000	299.96	0.00000	0.00000
Mo	6.67		0.0044	64.44	0.00000	0.00000
Na	6.90		-0.036	-17.91	0.00000	0.00000
Nd	6.45		-0.304	-299.70	0.00000	0.00000
Ni	6.10		-0.002	-152.74	0.00000	0.00000
P	8.37		0.0439	128.72	0.00000	0.00000
Pb	9.89		0.0097	17.73	0.00000	0.00000
Re	6.21		-0.003	-64.75	0.00000	0.00000
Rh	10.84		-0.017	-13.19	0.00000	0.00000
Ru	11.28		-0.016	-43.37	0.00000	0.00000
Sb	4.96		0.0771	58.23	0.00000	0.00000
Se	9.96		-0.009	-1232.2	0.00000	0.00000
Si	7.19		0.0252	33.33	0.00000	0.00000
Sr	7.24		0.0005	35.15	0.00000	0.00000
Te	5.78		0.0017	916.56	0.00000	0.00000
Th	9.49		-0.034	-43.10	0.00000	0.00000
Ti	6.93		0.0017	134.56	0.00000	0.00000
U	6.25		0.179	102.17	0.00000	0.00000

[illegible]	35.97	-0.002	[illegible]	[illegible]	0.00000
V	11.94	-0.002	[illegible]	[illegible]	0.00000
Zn	2.54	0.0167	1.70	0.00000	0.00000
Zr	3.25	-0.002	-[illegible]	[illegible]	0.00000

more samples [Y/N] ?
Sample name = 901257
Sample number = 1727
Sample code 1 = A4
Sample code 2 = SPIKE
Sample code 3 = 5XDIL

Weight =

Press <CR> when ready to start measurement
24:132H6n
Sample name : 901257
Sample number : 1727
Sample code 1 : A4
Sample code 2 : SPIKE
Sample code 3 : 5XDIL
Programme : ALLELE 17-Sep-90 19:29:32
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.59000 Al 9.13000 As 14.7300 B 6.68000 Ba 26.7300 Be 9.74000 Ca 54.0700
Cd 10.4900 Ce 12.1500 Co 34.3100 Cr 5.81000 Cu 12.6700 Dy 7.14000 Fe 6.65000
K 25.5900 La 7.90000 Li 5.63000 Mg 9.17000 Mn 14.2100 Mo 5.29000 Na 6.85000
Nd 5.55000 Ni 5.60000 P 6.10000 Pb 7.98000 Re 5.20000 Rh 8.47000 Ru 8.96000
Sb 4.37000 Se 8.92000 Si 6.11000 Sr 6.35000 Te 4.78000 Th 7.47000 Ti 4.26000
Tl 4.99000 U 30.4700 V 12.3800 Zn 9.38000 Zr 7.02000
[1] Direct Intensities
Ag 5.58000 Al 9.14000 As 14.1000 B 6.66000 Ba 26.8200 Be 9.72000 Ca 54.3100
Cd 10.2400 Ce 12.1100 Co 34.3400 Cr 5.85000 Cu 12.6800 Dy 7.15000 Fe 6.61000
K 25.5400 La 7.90000 Li 5.63000 Mg 9.20000 Mn 14.2000 Mo 5.29000 Na 6.80000
Nd 5.55000 Ni 5.67000 P 6.27000 Pb 7.89000 Ru 5.25000 Rh 8.48000 Ru 8.99000
Sb 4.39000 Se 8.69000 Si 6.10000 Sr 6.25000 Te 4.74000 Th 7.49000 Ti 4.25000
Tl 4.99000 U 30.5700 V 12.2700 Zn 9.46000 Zr 7.03000
[1] Direct Intensities
Ag 5.54000 Al 9.18000 As 15.0300 B 6.63000 Ba 26.9000 Be 9.75000 Ca 54.4000
Cd 9.96000 Ce 12.1600 Co 34.3000 Cr 5.80000 Cu 12.6700 Dy 7.10000 Fe 6.63000
K 25.5900 La 7.87000 Li 5.68000 Mg 9.19000 Mn 14.3000 Mo 5.40000 Na 6.80000
Nd 5.52000 Ni 5.64000 P 6.20000 Pb 7.68000 Re 5.25000 Rh 8.48000 Ru 8.91000
Sb 4.39000 Se 8.64000 Si 6.00000 Sr 6.30000 Te 4.67000 Th 7.47000 Ti 4.25000
Tl 5.03000 U 30.4900 V 12.3600 Zn 9.52000 Zr 7.05000

NAME	MV INT	CONCEN	RSD	BCOR	BCOR
Ag	6.53	-0.002	-150.79	0.00000	0.00000
Al	12.94	0.0345	14.00	0.00000	0.00000
As	19.29	0.3734	8.17	0.00000	0.00000
B	7.29	0.0822	3.94	0.00000	0.00000
Ba	35.36	0.4033	0.41	0.00000	0.00000
Be	13.28	0.0099	0.46	0.00000	0.00000
Ca	71.70	0.2030	0.34	0.00000	0.00000
Cd	7.42	(-0.055	-17.52	0.00000	0.00000
Ce	15.40	-0.013	-52.92	0.00000	0.00000
Co	44.27	0.3281	23.13	0.00000	0.00000
Cr	6.92	-0.002	-113.39	0.00000	0.00000

Cu	16.33	0.0513	[illegible]	0.00000	0.00000
Dy	5.65	-0.001	-112.39	0.00000	0.00000
Fe	7.93	0.0134	[illegible]	0.00000	0.00000
K	27.54	-0.348	-[illegible]	0.00000	0.00000
La	9.63	-0.002	-[illegible]	0.00000	0.00000
Li	6.21	-0.000	0.00	0.00000	0.00000
Mg	13.08	0.0346	0.23	0.00000	0.00000
Mn	21.49	0.1008	0.5[illegible]	0.00000	0.00000
Mo	6.66	0.0040	95.26	0.00000	0.00000
Na	7.05	-0.006	-286.71	0.00000	0.00000
Nd	6.45	-0.004	-259.79	0.00000	0.00000
Ni	7.12	0.1044	6.13	0.00000	0.00000
P	8.40	0.0719	142.90	0.00000	0.00000
Pb	10.35	0.0944	19.73	0.00000	0.00000
Re	6.23	-0.002	-216.50	0.00000	0.00000
Rh	10.82	-0.023	-16.19	0.00000	0.00000
Ru	11.35	-0.010	-60.62	0.00000	0.00000
Sb	5.01	0.1026	17.32	0.00000	0.00000
Se	10.32	0.3035	37.33	0.00000	0.00000
Si	7.45	0.0994	6.45	0.00000	0.00000
Sr	7.91	0.0009	25.75	0.00000	0.00000
Te	5.77	0.0000		0.00000	0.00000
Th	9.51	-0.329	-16.15	0.00000	0.00000
Ti	[illegible].95	0.0037	[illegible]	0.00000	0.00000
Tl	6.05	1.2515	14.14	0.00000	0.00000
U	38.92	-0.205	-21.73	0.00000	0.00000
V	17.10	0.0987	1.17	0.00000	0.00000
Zn	12.99	0.1190	1.51	0.00000	0.00000
Zr	8.84	-0.002	-[illegible]	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901257
Sample number = 1728
Sample code 1 = A3
Sample code 2 = P96550
Sample code 3 = 5XDIL
Weight =

Press <CR> when ready to start measurement
24:132Hzn
Sample name : 901257
Sample number : 1728
Sample code 1 : A3
Sample code 2 : P96550
Sample code 3 : 5XDIL
Programme : ALLELE 17-Sep-90 19:33:51
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.95000 Al 10.1100 As 15.7700 B 6.25000 Ba 29.5200 Be 10.2700 Ca 156.000
Cd 9.89000 Ce 12.4700 Co 35.1500 Cr 12.9400 Cu 14.5100 Dy 7.24000 Fe 254.900
K 26.1000 La 8.29000 Li 5.74000 Mg 27.6500 Mn 19.1800 Mo 5.35000 Na 139.600
Nd 5.67000 Ni 5.83000 P 17.2600 Pb 9.04000 Re 5.39000 Rh 8.64000 Ru 10.0100
Sb 4.46000 Se 9.24000 Si 10.2500 Sr 30.4300 Te 4.85000 Th 7.60000 Ti 4.31000
Tl 5.14000 U 21.7600 V 13.0500 Zn 11.9100 Zr 7.28000
[1] Direct Intensities
Ag 5.87000 Al 9.99000 As 15.3700 B 6.10000 Ba 28.4700 Be 9.98000 Ca 148.700
Cd 9.56000 Ce 12.2600 Co 34.4000 Cr 12.3500 Cu 14.2000 Dy 7.20000 Fe 239.300
K 25.3100 La 8.17000 Li 5.[illegible]000 Mg 26.1300 Mn 18.2100 Mo 5.40000 Na 134.700

Nd 5.55000 Ni 5.75000 P 16.5000 Pb 0.75000 Re 5.29000 Rh 8.52000 Ru 9.77000
Sb 4.45000 Se 9.10000 Si 9.96000 Sr 29.2100 Te 4.80000 Th 7.52000 Ti 4.29000
Tl 5.04000 U 31.2500 V 12.6900 Zn 11.3000 Zr 7.19000
[1] Direct Intensities
Ag 5.82000 Al 9.93000 As 15.3200 B 6.00000 Ba 28.2000 Be 9.88000 Ca 147.500
Cd 9.39000 Ce 12.1900 Co 34.3200 Cr 12.2400 Cu 14.1500 Dy 7.10000 Fe 235.600
K 25.7400 La 8.02000 Li 5.68000 Mg 25.7600 Mn 17.9700 Mo 5.35000 Na 134.400
Nd 5.55000 Ni 5.74000 P 16.7100 Pb 0.62000 Re 5.29000 Rh 8.48000 Ru 9.69000
Sb 4.47000 Se 9.91000 Si 9.81000 Sr 28.9300 Te 4.73000 Th 7.50000 Ti 4.30000
Tl 5.63000 U 31.0000 V 12.5200 Zn 11.3900 Zr 7.15000

NAME	MV INT	CONCEN	PSD	SCOR	SCOR
Ag	6.99	0.0287	22.35	0.00000	0.00000
Al	14.16	0.3180	7.36	0.00000	0.00000
As	20.38	0.5120	9.97	0.00000	0.00000
B	7.43	0.0915	11.36	0.00000	0.00000
Ba	37.97	0.4462	3.16	0.00000	0.00000
Be	13.75	0.0108	0.53	0.00000	0.00000
Ca	200.93	0.4967	13.11	0.00000	0.00000
Cd	6.30	-0.077	-11.74	0.00000	0.00000
Ce	15.64	0.0543	124.96	0.00000	0.00000
Co	44.83	0.1322	104.02	0.00000	0.00000
Cr	16.24	0.6292	6.65	0.00000	0.00000
Cu	13.29	0.3946	5.47	0.00000	0.00000
Dy	6.72	0.0014	270.42	0.00000	0.00000
Fe	399.70	116.834	4.32	0.00000	0.00000
K	27.91	-0.135	-93.87	0.00000	0.00000
La	10.06	0.0175	54.64	0.00000	0.00000
Li	6.22	0.0007	476.30	0.00000	0.00000
Mg	41.62	0.1429	4.36	0.00000	0.00000
Mn	28.64	0.1557	5.09	0.00000	0.00000
Mo	6.74	0.0064	27.66	0.00000	0.00000
Na	159.33	79.306	2.21	0.00000	0.00000
Nd	6.51	0.0241	157.30	0.00000	0.00000
Ni	7.39	0.1323	10.75	0.00000	0.00000
P	22.33	112.347	2.37	0.00000	0.00000
Pb	11.89	0.3799	18.22	0.00000	0.00000
Re	6.36	0.0044	70.36	0.00000	0.00000
Rh	10.91	0.0055	624.57	0.00000	0.00000
Ru	12.65	0.1322	20.72	0.00000	0.00000
Sb	5.14	0.2216	6.99	0.00000	0.00000
Se	11.35	0.4920	9.04	0.00000	0.00000
Si	13.75	1.7435	5.51	0.00000	0.00000
Sr	30.79	0.1481	3.13	0.00000	0.00000
Te	5.86	0.0327	99.17	0.00000	0.00000
Th	9.59	0.0128	264.50	0.00000	0.00000
Ti	5.82	0.0096	13.04	0.00000	0.00000
Tl	6.14	1.7624	55.41	0.00000	0.00000
U	39.99	0.6255	61.30	0.00000	0.00000
V	17.77	0.1119	7.76	0.00000	0.00000
Zn	16.22	0.1705	4.56	0.00000	0.00000
Zr	9.10	0.0062	31.57	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901257
Sample number = 1729
Sample code 1 = A2
Sample code 2 = 1P0577

Sample code 3 = 5XDIL
Weight =

Press CR when ready to start measurement
94:12H6m
 ample name : 901257
Sample number : 1729
Sample code 1 : A2
Sample code 2 : 1P0577
Sample code 3 : 5XDIL
Programme : ALLELE 17-Sep-90 19:39:05
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.88000 Al 9.97000 As 13.5400 B 5.81000 Ba 6.74000 Be 6.42000 Ca 145.500
Cd 8.89000 Ce 12.1600 Co 33.8900 Cr 12.5900 Cu 12.1400 Dy 7.12000 Fe 248.200
K 25.7900 La 8.02800 Li 5.65000 Mg 26.7000 Mn 9.49000 Mo 5.31000 Na 142.500
Nd 5.54000 Ni 5.14000 P 17.4800 Pb 8.46000 Re 5.29000 Rh 8.50000 Ru 9.75000
Sb 4.38000 Se 8.49000 Si 6.56000 Sr 30.3300 Te 4.74000 Th 7.46000 Ti 4.29000
Tl 4.96000 U 30.9500 V 9.14000 Zn 7.03000 Zr 7.12000
[1] Direct Intensities
Ag 5.88000 Al 10.0000 As 13.1700 B 5.75000 Ba 6.78000 Be 6.42000 Ca 145.300
Cd 8.82000 Ce 12.2500 Co 34.0400 Cr 12.5900 Cu 12.1800 Dy 7.16000 Fe 247.800
K 25.7200 La 8.08000 Li 5.65000 Mg 26.6900 Mn 9.50000 Mo 5.31000 Na 141.600
Nd 5.59000 Ni 5.17000 P 17.6100 Pb 8.48000 Re 5.29000 Rh 8.50000 Ru 9.75000
Sb 4.40000 Se 8.39000 Si 6.57000 Sr 30.2300 Te 4.77000 Th 7.49000 Ti 4.28000
Tl 4.94000 U 31.0600 V 9.19000 Zn 7.01000 Zr 7.10000
[1] Direct Intensities
Ag 5.82000 Al 9.96000 As 13.5000 B 5.77000 Ba 6.74000 Be 6.46000 Ca 146.300
Cd 8.77000 Ce 12.1700 Co 33.9300 Cr 12.6000 Cu 12.1700 Dy 7.14000 Fe 249.200
K 25.7100 La 8.01000 Li 5.67000 Mg 26.8000 Mn 9.50000 Mo 5.40000 Na 142.800
Nd 5.56000 Ni 5.14000 P 17.1400 Pb 8.44000 Re 5.27000 Rh 8.49000 Ru 9.73000
Sb 4.37000 Se 8.35000 Si 6.59000 Sr 30.3300 Te 4.75000 Th 7.49000 Ti 4.29000
Tl 4.97000 U 31.0300 V 9.18000 Zn 7.06000 Zr 7.10000

NAME	MV INT	CONCEN	%SD	BCOR	SCOR
Ag	6.97	0.0268	12.67	0.00000	0.00000
Al	14.89	0.3021	2.23	0.00000	0.00000
As	16.80	0.0833	52.52	0.00000	0.00000
B	6.90	0.0563	3.53	0.00000	0.00000
Ba	7.97	0.0105	4.36	0.00000	0.00000
Be	8.20	0.0001	98.97	0.00000	0.00000
Ca	194.22	0.5763	0.35	0.00000	0.00000
Cd	4.87	(-0.106	-2.87	0.00000	0.00000
Ce	15.48	0.0016	1480.31	0.00000	0.00000
Co	43.65	-0.085	-18.42	0.00000	0.00000
Cr	18.33	0.0371	6.09	0.00000	0.00000
Cu	15.75	0.3383	1.44	0.00000	0.00000
Dy	8.67	-0.001	-150.00	0.00000	0.00000
Fe	408.20	)13.112	0.39	0.00000	0.00000
K	27.73	-0.232	-10.82	0.00000	0.00000
La	9.89	0.0088	30.70	0.00000	0.00000
Li	6.18	-0.002	-43.30	0.00000	0.00000
Mg	41.97	0.1442	0.26	0.00000	0.00000
Mn	13.36	0.0448	0.16	0.00000	0.00000
Mo	6.69	0.0048	64.95	0.00000	0.00000
Na	166.47	83.024	0.46	0.00000	0.00000
Nd	6.48	0.0093	151.01	0.00000	0.00000
Ni	6.27	0.0158	19.99	0.00000	0.00000

P	22.36	)13.520	2.15	3.20000	0.30000
Pb	11.29	0.2692	2.39	0.00000	0.00000
Re	6.31	0.0042	31.49	0.00000	0.00000
Rh	10.55	-0.015	-14.75	0.00000	0.00000
Ru	12.71	0.1131	1.60	0.00000	0.00000
Sb	5.01	0.1029	22.91	0.00000	0.00000
Se	10.29	0.1112	36.67	0.00000	0.00000
Si	9.16	0.3025	2.41	0.00000	0.00000
Sr	39.95	0.1531	9.32	0.00000	0.00000
Te	5.81	0.0121	65.47	0.00000	0.00000
Th	9.51	-0.026	-43.30	0.00000	0.00000
Ti	5.00	0.0079	9.1_	0.00000	0.00000
Tl	5.99	0.8940	13.07	0.00000	0.00000
U	39.57	0.2960	19.39	0.00000	0.00000
V	12.35	-0.001	-99.21	0.00000	0.00000
Zn	9.10	0.0569	1.13	0.00000	0.00000
Zr	8.95	0.0013	43.31	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901257
Sample number = 1730
Sample code 1 = A1
Sample code 2 = 1PW957
Sample code 3 = 5XDIL
Weight =

Press <CR> when ready to start measurement
24:132Hsn
Sample name : 901157
Sample number : 1730
Sample code 1 : A1
Sample code 2 : 1PW957
Sample code 3 : 5XDIL
Programme : ALLELS 17-Sep-98 14:43:06
[******] +5 volt power supply ok.
[******] -130 volt power supply ok.
[1] Direct Intensities
Ag 5.81000 Al 10.0100 As 13.7100 B 5.90000 Ba 6.70000 Be 6.46000 Ca 141.400
Cd 8.76000 Ce 12.1800 Co 33.9100 Cr 12.9400 Cu 12.2000 Dy 7.12000 Fe 256.900
K 25.7200 La 8.39000 Li 5.66000 Mg 8.00000 Mn 26.8100 Mo 9.57000 Na 5.42000
Nd 147.600 Ni 5.56000 P 17.6000 Pb 5.18000 Re 5.24000 Rh 8.49000 Ru 9.79000
Sb 4.38000 Se 8.50000 Si 7.27000 Sr 31.1300 Te 4.80000 Th 7.49000 Ti 4.29000
Tl 4.97000 U 31.0400 V 9.27000 Zn 7.08000 Zr 7.13000
[1] Direct Intensities
Ag 5.86000 Al 10.0000 As 13.3500 B 5.94000 Ba 6.76000 Be 6.48000 Ca 142.500
Cd 8.70000 Ce 12.1600 Co 33.3100 Cr 12.9700 Cu 12.2200 Dy 7.12000 Fe 250.800
K 25.8000 La 8.08000 Li 5.65000 Mg 26.9900 Mn 9.60000 Mo 5.44000 Na 148.200
Nd 5.53000 Ni 5.13000 P 17.9800 Pb 8.45000 Re 5.23000 Rh 8.49000 Ru 9.76000
Sb 4.39000 Se 8.39000 Si 7.26000 Sr 31.3400 Te 4.80000 Th 7.47000 Ti 4.30000
Tl 5.08000 U 31.0400 V 9.15000 Zn 7.14000 Zr 7.12000
[1] Direct Intensities
Ag 5.89000 Al 10.0200 As 13.6800 B 5.79000 Ba 6.77000 Be 6.40000 Ca 142.500
Cd 8.67000 Ce 12.1800 Co 33.9200 Cr 12.9700 Cu 12.2400 Dy 7.15000 Fe 258.800
K 25.7000 La 8.09000 Li 5.67000 Mg 27.0000 Mn 9.60000 Mo 5.45000 Na 148.500
Nd 5.58000 Ni 5.15000 P 18.1200 Pb 8.41000 Re 5.29000 Rh 8.48000 Ru 9.75000
Sb 4.38000 Se 8.42000 Si 7.28000 Sr 31.2900 Te 4.80000 Th 7.48000 Ti 4.27000
Tl 5.04000 U 31.0100 V 9.14000 Zn 7.18000 Zr 7.11000

NAME MV INT CONCEN RSD BCOR SCOR

NO GOOD

Ag	6.96	0.0261	15.13	0.00000	0.00000
Al	14.14	0.3129	1.07	0.00000	0.00000
As	17.28	0.1357	13.50	0.00000	0.00000
B	6.93	0.0586	4.34	0.00000	0.00000
Ba	7.99	0.0108	1.33	0.00000	0.00000
Be	8.22	0.0001	113.55	0.00000	0.00000
Ca	189.29	0.5613	0.46	0.00000	0.00000
Cd	4.66	(-0.113	-1.51	0.00000	0.00000
Ce	15.45	-0.008	-59.21	0.00000	0.00000
Co	43.52	-0.198	-17.55	0.00000	0.00000
Cr	18.83	0.6621	0.25	0.00000	0.00000
Cu	15.32	0.0398	1.33	0.00000	0.00000
Dy	8.65	-0.001	-74.17	0.00000	0.00000
Fe	424.37	)13.641	0.44	0.00000	0.00000
K	27.76	-0.214	-17.63	0.00000	0.00000
La	9.96	0.0113	2.33	0.00000	0.00000
Li	6.17	-0.003	-83.21	0.00000	0.00000
Mg	27.59	0.3897	108.61	0.00000	0.00000
Mn	23.32	0.1171	105.63	0.00000	0.00000
Mo	9.41	0.0934	102.87	0.00000	0.00000
Na	117.52	)57.534	87.90	0.00000	0.00000
Nd	85.79	)26.324	173.17	0.00000	0.00000
Ni	6.56	0.0395	111.01	0.00000	0.00000
P	23.70	)14.187	2.19	0.00000	0.00000
Pb	9.36	-0.089	-676.25	0.00000	0.00000
Pd	6.29	0.0027	113.39	0.00000	0.00000
Rh	10.83	-0.019	-12.37	0.00000	0.00000
Ru	12.74	0.1131	2.03	0.00000	0.00000
Sb	5.01	0.1028	8.66	0.00000	0.00000
Se	10.33	0.1263	25.46	0.00000	0.00000
Si	9.22	0.5924	6.71	0.00000	0.00000
Sr	41.12	0.1590	0.44	0.00000	0.00000
Te	5.89	0.0362	6.02	0.00000	0.00000
Th	9.51	-0.026	-25.00	0.00000	0.00000
Ti	5.00	0.0079	24.12	0.00000	0.00000
Tl	5.09	1.4559	19.38	0.00000	0.00000
U	39.59	0.3129	5.59	0.00000	0.00000
V	12.86	-0.001	-211.41	0.00000	0.00000
Zn	9.26	0.0595	2.17	0.00000	0.00000
Zr	8.97	0.0019	25.08	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901257
Sample number   = 1731
Sample code 1   = A1
Sample code 2   = 1P0997
Sample code 3   = 5XDIL
Weight          =

Press <CR> when ready to start measurement
24:132H5n
Sample name     : 901257
Sample number   : 1731
Sample code 1   : A1
Sample code 2   : 1P0997
Sample code 3   : 5XDIL
Programme       : ALLELE            17-Dec-90   19:49:09
[*******] +5 volt power supply out.
```

[*****] -100 volt power supply out.

[1] Direct Intensities

Ag 5.36000 Al 10.0600 As 13.2700 B 5.73000 Ba 6.80000 Be 6.45000 Ca 143.000
Cd 8.79000 Ce 12.1500 Co 33.8600 Cr 12.9200 Cu 12.2300 Dy 7.15000 Fe 260.400
K 25.8000 La 8.13000 Li 5.68000 Mg 27.1500 Mn 9.68000 Mo 5.39000 Na 149.300
Nd 5.54000 Ni 5.14000 P 17.9400 Pb 8.46000 Re 5.31000 Rh 8.50000 Ru 9.82000
Sb 4.39000 Se 8.52000 Si 7.29000 Sr 31.4800 Te 4.79000 Th 7.46000 Ti 4.29000
Tl 4.99000 U 30.9600 V 9.19000 Zn 7.09000 Zr 7.10000

[1] Direct Intensities

Ag 5.83000 Al 10.0200 As 13.3100 B 5.75000 Ba 6.79000 Be 6.44000 Ca 143.300
Cd 8.71000 Ce 12.1700 Co 33.8900 Cr 12.9300 Cu 12.2100 Dy 7.15000 Fe 260.400
K 25.6900 La 8.06000 Li 5.67000 Mg 27.1700 Mn 9.63000 Mo 5.45000 Na 149.200
Nd 5.57000 Ni 5.16000 P 17.9700 Pb 8.46000 Re 5.30000 Rh 8.50000 Ru 9.80000
Sb 4.37000 Se 8.54000 Si 7.27000 Sr 31.4400 Te 4.79000 Th 7.47000 Ti 4.30000
Tl 5.01000 U 31.0100 V 9.19000 Zn 7.13000 Zr 7.11000

[1] Direct Intensities

Ag 5.88000 Al 10.0000 As 13.2900 B 5.75000 Ba 6.79000 Be 6.45000 Ca 142.500
Cd 8.66000 Ce 12.2000 Co 33.9100 Cr 12.9300 Cu 12.2000 Dy 7.11000 Fe 259.400
K 25.8700 La 8.09000 Li 5.64000 Mg 27.0700 Mn 9.65000 Mo 5.39000 Na 148.200
Nd 5.58000 Ni 5.18000 P 18.0700 Pb 8.46000 Re 5.27000 Rh 8.49000 Ru 9.75000
Sb 4.40000 Se 8.49000 Si 7.30000 Sr 31.3700 Te 4.72000 Th 7.47000 Ti 4.25000
Tl 4.80000 U 31.3900 V 9.24000 Zn 7.09000 Zr 7.13000

NAME	AV INT	CONCEN	DEV	ACCR	SCOR
Ag	5.96	0.0265	9.32	0.00000	0.00000
Al	14.16	0.3163	1.11	0.00000	0.00000
As	16.90	0.0869	56.05	0.00000	0.00000
B	6.85	0.0531	1.[illegible]	0.00000	0.00000
Ba	8.02	0.0113	1.61	0.00000	0.00000
Be	2.22	0.3001	15.76	0.00000	0.00000
Ca	190.37	0.5645	0.39	0.00000	0.00000
Cd	4.67	(-0.109	-3.17	0.00000	0.00000
Ce	15.45	-0.009	-158.99	0.00000	0.00000
Co	43.51	-0.111	-17.51	0.00000	0.00000
Cr	19.95	0.6685	0.00	0.00000	0.00000
Cu	15.31	0.0396	1.02	0.00000	0.00000
Dy	8.66	-0.001	-133.55	0.00000	0.00000
Fe	427.52	)13.744	3.23	0.00000	0.00000
K	27.79	-0.199	-36.25	0.00000	0.00000
La	9.97	0.0139	19.51	0.00000	0.00000
Li	6.19	-0.001	-104.09	0.00000	0.00000
Mg	42.62	0.1467	2.13	0.00000	0.00000
Mn	13.63	0.0468	6.67	0.00000	0.00000
Mo	6.82	0.0090	23.09	0.00000	0.00000
Na	174.24	87.069	0.41	0.00000	0.00000
Nd	6.48	0.0093	124.91	0.00000	0.00000
Ni	6.29	0.0176	20.69	0.00000	0.00000
P	23.82	)14.219	8.57	0.00000	0.00000
Pb	11.30	0.2715	1.37	0.00000	0.00000
Re	6.32	0.0054	44.61	0.00000	0.00000
Rh	10.85	-0.015	-15.75	0.00000	0.00000
Ru	12.79	0.1172	4.68	0.00000	0.00000
Sb	5.62	0.1079	21.82	0.00000	0.00000
Se	10.45	0.1715	3.30	0.00000	0.00000
Si	9.25	0.5994	1.07	0.00000	0.00000
Sr	41.34	0.1601	0.31	0.00000	0.00000
Te	5.83	0.0189	110.22	0.00000	0.00000
Th	9.49	-0.034	-19.82	0.00000	0.00000
Ti	5.00	0.0093	15.80	0.00000	0.00000

Tl	5.99	0.9195	58.13	0.00000	0.00000
U	39.57	0.2993	20.22	0.00000	0.00000
V	12.18	0.0002	482.12	0.00000	0.00000
Zn	5.21	0.0567	0.75	0.00000	0.00000
Zr	8.76	0.0016	45.83	0.00000	0.00000

More samples [Y/N] ?
Sample name = CH2
Sample number = 1732
Sample code 1 =
Sample code 2 =
Sample code 3 =
Weight =

Press <CR> when ready to start measurement
24:132H6n
Sample name : CH2
Sample number : 1732
Programme : ALLELE 17-Sep-90 19:54:05
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.51000 Al 10.2700 As 60.8000 B 5.61000 Ba 518.500 Be 347.200 Ca 12.7900
Cd 9.30000 Ce 33.9100 Co 66.4000 Cr 6.07000 Cu 393.200 Dy 7.51000 Fe 193.500
K 25.3300 La 8.92000 Li 5.66000 Mg 1622.00 Mn 6.16000 Mo 182.800 Na 23.1700
Nd 5.77000 Ni 60.6500 P 7.93000 Pb 39.0400 Re 5.30000 Rh 32.9900 Ru 9.76000
Sb 17.6800 Se 10.4800 Si 6.62000 Sr 1607.00 Te 24.4900 Th 8.92000 Ti 85.3600
Tl 5.31000 U 63.3200 V 331.600 Zn 395.200 Zr 214.500
[1] Direct Intensities
Ag 6.57000 Al 10.2600 As 61.2700 B 5.63000 Ba 521.900 Be 350.100 Ca 12.8600
Cd 9.32000 Ce 34.0800 Co 66.7400 Cr 6.07000 Cu 395.800 Dy 7.55000 Fe 194.900
K 25.3700 La 8.96000 Li 5.66000 Mg 1635.00 Mn 6.18000 Mo 184.700 Na 23.2700
Nd 5.76000 Ni 61.0800 P 8.11000 Pb 39.2900 Re 5.39000 Rh 33.1900 Ru 9.79000
Sb 17.8700 Se 10.4500 Si 6.63000 Sr 1617.00 Te 24.5600 Th 8.96000 Ti 85.9500
Tl 5.31000 U 63.5900 V 334.100 Zn 398.800 Zr 216.100
[1] Direct Intensities
Ag 6.55000 Al 10.2700 As 61.5500 B 5.66000 Ba 522.100 Be 351.000 Ca 12.9100
Cd 9.33000 Ce 34.1600 Co 66.8900 Cr 6.09000 Cu 397.000 Dy 7.53000 Fe 195.300
K 25.4400 La 8.97000 Li 5.65000 Mg 1640.00 Mn 6.18000 Mo 184.600 Na 23.2000
Nd 5.79000 Ni 61.1500 P 8.07000 Pb 39.4100 Re 5.40000 Rh 33.2500 Ru 9.79000
Sb 17.9100 Se 10.4300 Si 6.64000 Sr 1620.00 Te 24.6100 Th 8.97000 Ti 86.2200
Tl 5.34000 U 63.6500 V 334.000 Zn 400.200 Zr 216.800

NAME	AV INT	CONCEN	%SD	BCOR	SCOR
Ag	7.87	0.0937	3.19	0.00000	0.00000
Al	14.50	0.3960	0.47	0.00000	0.00000
As	95.48	10.379	0.79	0.00000	0.00000
B	6.62	0.0384	9.81	0.00000	0.00000
Ba	710.23	10.210	0.46	0.00000	0.00000
Be	536.27	1.0178	0.58	0.00000	0.00000
Ca	15.69	0.0341	0.72	0.00000	0.00000
Cd	5.76	(-0.080	-0.63	0.00000	0.00000
Ce	46.95	10.182	0.50	0.00000	0.00000
Co	99.34	10.136	0.77	0.00000	0.00000
Cr	7.35	0.0220	4.95	0.00000	0.00000
Cu	474.06	10.202	0.51	0.00000	0.00000
Dy	9.18	0.0191	5.31	0.00000	0.00000
Fe	319.23	10.195	0.49	0.00000	0.00000

```
K          27.31   -0.468    -7.99  0.00000  0.00000
La         11.17   0.0736     2.55  0.00000  0.00000
Li          6.18   -0.002   -21.65  0.00000  0.00000
Mg       2685.31   10.177     0.57  0.00000  0.00000
Mn          7.69   0.0037     3.89  0.00000  0.00000
Mo        335.01  )10.709     0.60  0.00000  0.00000
Na         26.38   10.063     0.41  0.00000  0.00000
Nd          6.74   0.1260     6.74  0.00000  0.00000
Ni        104.10   10.130     0.48  0.00000  0.00000
P          10.81   2.2853     4.96  0.00000  0.00000
Pb         64.71   10.179     0.59  0.00000  0.00000
Re          6.47   0.0164     6.99  0.00000  0.00000
Rh         44.49   10.181     0.55  0.00000  0.00000
Ru         12.77   0.1156     2.28  0.00000  0.00000
Sb         27.40   20.817     0.91  0.00000  0.00000
Se         13.51   1.2667     1.12  0.00000  0.00000
Si          8.26   0.3235     1.30  0.00000  0.00000
Sr       2181.01   10.199     0.42  0.00000  0.00000
Te         37.88   10.241     0.30  0.00000  0.00000
Th         11.49   0.9068     1.47  0.00000  0.00000
Ti        136.45   10.200     0.54  0.00000  0.00000
Tl          6.49   3.6781     3.61  0.00000  0.00000
U          81.64   33.093     0.54  0.00000  0.00000
V         528.99   10.197     0.52  0.00000  0.00000
Zn        637.45   10.088     0.66  0.00000  0.00000
Zr        325.30   10.167     0.56  0.00000  0.00000


More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1733
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Sample number   : 1733
Programme       : ALLELE          17-Sep-90  20:00:41
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.54000 Al 9.09000 As 13.2100 B  5.17000 Ba 6.19000 Be 6.43000 Ca 4.45000
Cd 8.40000 Ce 12.1200 Co 33.9600 Cr 5.81000 Cu 10.6800 Dy 7.09000 Fe 6.29000
K  25.4900 La 7.88000 Li 5.67000 Mg 3.69000 Mn 5.81000 Mo 5.55000 Na 6.55000
Nd 5.52000 Ni 5.09000 P  6.23000 Pb 7.67000 Re 5.23000 Rh 8.51000 Ru 8.90000
Sb 4.34000 Se 8.27000 Si 5.86000 Sr 6.20000 Te 4.72000 Th 7.45000 Ti 4.24000
Tl 5.03000 U  30.4800 V  9.15000 Zn 4.95000 Zr 7.07000
[1] Direct Intensities
Ag 5.58000 Al 9.08000 As 12.8000 B  5.20000 Ba 6.25000 Be 6.45000 Ca 4.52000
Cd 8.13000 Ce 12.1400 Co 33.9500 Cr 5.81000 Cu 10.6700 Dy 7.13000 Fe 6.31000
K  25.4000 La 7.87000 Li 5.67000 Mg 3.71000 Mn 5.84000 Mo 5.38000 Na 6.56000
Nd 5.55000 Ni 5.09000 P  6.08000 Pb 7.63000 Re 5.26000 Rh 8.48000 Ru 8.96000
Sb 4.32000 Se 8.33000 Si 5.81000 Sr 6.19600 Te 4.76000 Th 7.47000 Ti 4.24000
Tl 5.03000 U  30.4800 V  9.14000 Zn 4.80000 Zr 7.07000
[1] Direct Intensities
Ag 5.56000 Al 9.07000 As 13.0800 B  5.15000 Ba 6.25000 Be 6.47000 Ca 4.47000
Cd 8.09000 Ce 12.1200 Co 33.9800 Cr 5.84000 Cu 10.7400 Dy 7.12000 Fe 6.30000
```

K 25.3800 La 7.89000 Li 5.67000 Mg 3.69000 Mn 6.85000 Mo 5.40000 Na 6.55000
Nd 5.53000 Ni 5.04000 P 6.20000 Pb 7.66000 Re 5.28000 Rh 8.48000 Ru 9.00000
Sb 4.33000 Se 8.36000 Si 5.82000 Sr 6.23000 Te 4.77000 Th 7.48000 Ti 4.25000
Tl 4.95000 U 30.4900 V 9.16000 Zn 4.78000 Zr 7.09000

AME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.57	-0.003	-75.00	0.00000	0.00000
Al	12.85	0.0119	27.27	0.00000	0.00000
As	16.26	0.0029	1571.64	0.00000	0.00000
B	6.00	-0.003	-94.37	0.00000	0.00000
Ba	7.26	0.0001	519.62	0.00000	0.00000
Be	8.22	0.0001	50.00	0.00000	0.00000
Ca	4.45	-0.000	-1081.8	0.00000	0.00000
Cd	3.74	(-0.128	-4.77	0.00000	0.00000
Ce	15.39	-0.029	-18.23	0.00000	0.00000
Co	43.67	-0.082	-5.80	0.00000	0.00000
Cr	6.92	-0.002	-74.23	0.00000	0.00000
Cu	14.00	-0.001	-162.24	0.00000	0.00000
Dy	8.63	-0.002	-52.04	0.00000	0.00000
Fe	7.41	0.0005	100.01	0.00000	0.00000
K	27.36	-0.440	-8.83	0.00000	0.00000
La	9.67	-0.002	-30.00	0.00000	0.00000
Li	6.20	-0.001	0.00	0.00000	0.00000
Mg	4.05	0.0003	23.09	0.00000	0.00000
Mn	7.11	-0.001	-48.04	0.00000	0.00000
Mo	6.88	0.0110	50.68	0.00000	0.00000
Na	6.74	-0.168	-2.11	0.00000	0.00000
Nd	6.44	-0.007	-114.56	0.00000	0.00000
Ni	6.14	0.0018	288.69	0.00000	0.00000
P	8.37	0.0479	178.42	0.00000	0.00000
Pb	9.89	0.0097	69.39	0.00000	0.00000
Re	6.27	0.0011	251.65	0.00000	0.00000
Rh	10.84	-0.018	-39.97	0.00000	0.00000
Ru	11.35	-0.010	-75.50	0.00000	0.00000
Sb	4.92	0.0206	75.00	0.00000	0.00000
Se	10.14	0.0603	42.96	0.00000	0.00000
Si	7.05	-0.013	-88.19	0.00000	0.00000
Sr	7.27	0.0002	56.77	0.00000	0.00000
Te	5.81	0.0103	132.29	0.00000	0.00000
Th	9.49	-0.034	-28.64	0.00000	0.00000
Ti	4.93	0.0025	28.87	0.00000	0.00000
Tl	6.05	1.2515	28.23	0.00000	0.00000
U	38.88	-0.239	-2.44	0.00000	0.00000
V	12.02	-0.001	-21.43	0.00000	0.00000
Zn	5.58	0.0008	309.72	0.00000	0.00000
Zr	8.90	-0.000	-346.48	0.00000	0.00000

More samples [Y/N] ? N
>

```
 NORM ALLELE
Result file (<CR> for no storage) = SIMN1
Do you wish to normalise all standards [Y/N] ? N

The following standards are used in this programme(s) :
 CL1    CH4     CH3     CH2

Do you want to run CL1    [Y/N] ?

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Programme       : ALLELE          17-Sep-90  20:06:48
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AG 5.57000 AL 9.09000 AS 13.0700 BO 5.16000 BA 6.19000 BE 6.42000 CA 4.43000
CD 7.98000 CE 12.0600 CO 33.7000 CR 5.80000 CU 10.6200 DY 7.10000 FE 6.25000
K1 25.3400 LA 7.87000 LI 5.62000 MG 3.65000 MN 5.80000 MO 5.31000 NA 6.58000
ND 5.53000 NI 5.07000 P4 6.16000 PR 7.71000 RE 5.24000 RH 8.49000 RU 9.05000
SB 4.26000 SE 8.21000 SI 5.86000 SR 6.16000 TE 4.71000 TH 7.43000 TI 4.21000
TL 5.07000 U  30.2500 V  9.06000 ZN 4.70000 ZR 7.00000
[1] Direct Intensities
AG 5.56000 AL 9.08000 AS 12.9900 BO 5.14000 BA 6.19000 BE 6.44000 CA 4.51000
CD 7.93000 CE 12.1000 CO 33.7900 CR 5.81000 CU 10.6900 DY 7.09000 FE 6.26000
K1 25.2800 LA 7.81000 LI 5.66000 MG 3.65000 MN 5.87000 MO 5.24000 NA 6.55000
ND 5.51000 NI 5.06000 P4 6.26000 PR 7.64000 RE 5.22000 RH 8.49000 RU 8.90000
SB 4.31000 SE 8.18000 SI 5.80000 SR 6.17000 TE 4.78000 TH 7.48000 TI 4.23000
TL 5.18000 U  30.3800 V  9.10000 ZN 4.70000 ZR 7.02000
[1] Direct Intensities
AG 5.58000 AL 9.08000 AS 13.1500 BO 5.13000 BA 6.24000 BE 6.40000 CA 4.44000
CD 8.00000 CE 12.0800 CO 33.8500 CR 5.80000 CU 10.6900 DY 7.11000 FE 6.24000
K1 25.2600 LA 7.87000 LI 5.65000 MG 3.64000 MN 5.81000 MO 5.32000 NA 6.57000
ND 5.51000 NI 5.08000 P4 6.20000 PR 7.69000 RE 5.22000 RH 8.53000 RU 8.94000
SB 4.31000 SE 8.28000 SI 5.84000 SR 6.14000 TE 4.76000 TH 7.46000 TI 4.21000
TL 5.08000 U  30.3600 V  9.09000 ZN 4.72000 ZR 7.02000
```

NAME	MV INT	RSD	BCOR
AG	5.57	0.18	0.00000
AL	9.08	0.06	0.00000
AS	13.07	0.61	0.00000
BO	5.14	0.30	0.00000
BA	6.21	0.47	0.00000
BE	6.42	0.31	0.00000
CA	4.46	0.98	0.00000
CD	7.97	0.45	0.00000
CE	12.08	0.17	0.00000
CO	33.78	0.22	0.00000
CR	5.80	0.10	0.00000
CU	10.67	0.38	0.00000
DY	7.10	0.14	0.00000
FE	6.25	0.16	0.00000
K1	25.29	0.16	0.00000
LA	7.85	0.44	0.00000
LI	5.64	0.37	0.00000
MG	3.65	0.16	0.00000
MN	5.83	0.65	0.00000
MO	5.29	0.82	0.00000
NA	6.57	0.23	0.00000

ND	5.52	0.21	0.00000
NI	5.07	0.20	0.00000
P4	6.21	0.81	0.00000
PB	7.68	0.47	0.00000
RE	5.23	0.22	0.00000
RH	8.50	0.27	0.00000
RU	8.96	0.87	0.00000
SB	4.29	0.67	0.00000
SE	8.22	0.62	0.00000
SI	5.83	0.52	0.00000
SR	6.16	0.25	0.00000
TE	4.75	0.76	0.00000
TH	7.46	0.34	0.00000
TI	4.22	0.27	0.00000
TL	5.11	1.19	0.00000
U	30.33	0.23	0.00000
V	9.08	0.23	0.00000
ZN	4.71	0.25	0.00000
ZR	7.01	0.16	0.00000

Store [N/Y] ? Y

Channel	Old	New	Nominal	Drift
AG	5.58667	5.57000	6.60333	*
AL8	9.04333	9.08333	12.7967	*
AS	13.0167	13.0700	16.2400	*
B04	5.20000	5.14333	6.03667	*
BA02	6.22333	6.20667	7.24667	*
BE	6.41000	6.42000	8.16000	*
CA15	4.48333	4.46000	4.45333	
CD	11.7433	7.97000	10.1800	*
CE18	12.1900	12.0800	15.4767	*
CO	34.2267	33.7800	44.1133	*
CR21	5.84333	5.80333	6.96000	*
CU	10.7200	10.6667	14.0233	*
DY26	7.15333	7.10000	8.68333	*
FE05	6.29000	6.25000	7.39000	*
K14	26.0867	25.2933	28.1467	*
LA13	7.91333	7.85000	9.71667	*
LI10	5.68333	5.64333	6.21333	*
MG6	3.64667	3.64667	3.96333	*
MN20	5.87667	5.82667	7.18333	*
MO23	5.26000	5.29000	6.54000	*
NA22	6.82667	6.56667	7.06000	*
ND16	5.54667	5.51667	6.46000	*
NI19	5.06333	5.07000	6.12000	*
P4	6.13000	6.20667	8.32000	*
PB	7.62333	7.68000	9.84000	*
RE25	5.24667	5.22667	6.25333	*
RH12	8.53333	8.50333	10.8967	*
RU03	9.02000	8.96333	11.4667	*
SB	4.31667	4.29333	4.90000	*
SE	8.21333	8.22333	9.97667	*
SI7	5.86000	5.83333	7.09667	*
SR17	6.17000	6.15667	7.22000	*
TE01	4.73000	4.75000	5.77333	*
TH	7.52000	7.45667	9.56667	*
TI11	4.22333	4.21667	4.89667	*
TL	4.84000	5.11000	5.82667	*

```
U        30.7200 30.3300 39.1967   *
V        9.19667 9.08333 12.0933   *
ZN9      4.81333 4.70667 5.53667   *
ZR24     7.08000 7.01333 8.90667   *
[******] Excessive drift - check correct standard used
 pdate standard file [Y/N] ? Y


Do you want to run CH4    [Y/N] ? N


Do you want to run CH3    [Y/N] ? N


Do you want to run CH2    [Y/N] ? N
More standards [Y/N] ? N
>
```

```
 SAMP ALLELE
Result file (<CR> for no storage) = SST1
Sample name     = CL1
Sample number   = 1733
 ample code 1   = RENORM
 ample code 2   = ZERO
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CL1
Sample number   : 1734
Sample code 1   : RENORM
Sample code 2   : ZERO
Programme       : ALLELE          17-Sep-90  20:11:31
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.57000 Al 9.08000 As 13.2600 B  5.14000 Ba 6.19000 Be 6.42000 Ca 4.45000
Cd 7.99000 Ce 12.0800 Co 33.8400 Cr 5.80000 Cu 10.6500 Dy 7.09000 Fe 6.23000
K  25.3200 La 7.90000 Li 5.66000 Mg 3.66000 Mn 5.85000 Mo 5.44000 Na 6.58000
Nd 5.54000 Ni 5.06000 P  6.09000 Pb 7.59000 Re 5.19000 Rh 8.49000 Ru 9.00000
Sb 4.30000 Se 8.21000 Si 5.83000 Sr 6.19000 Te 4.80000 Th 7.46000 Ti 4.20000
Tl 5.04000 U  30.3900 V  9.13000 Zn 4.74000 Zr 7.02000
[1] Direct Intensities
Ag 5.59000 Al 9.08000 As 13.1100 B  5.14000 Ba 6.20000 Be 6.41000 Ca 4.46000
Cd 7.94000 Ce 12.0900 Co 33.8100 Cr 5.79000 Cu 10.7500 Dy 7.09000 Fe 6.24000
K  25.3200 La 7.87000 Li 5.65000 Mg 3.62000 Mn 5.81000 Mo 5.39000 Na 6.57000
Nd 5.51000 Ni 5.07000 P  6.17000 Pb 7.66000 Re 5.19000 Rh 8.49000 Ru 8.96000
Sb 4.26000 Se 8.31000 Si 5.81000 Sr 6.15000 Te 4.71000 Th 7.47000 Ti 4.22000
Tl 5.06000 U  30.3700 V  9.05000 Zn 4.71000 Zr 7.05000
[1] Direct Intensities
Ag 5.58000 Al 9.09000 As 12.8800 B  5.16000 Ba 6.24000 Be 6.41000 Ca 4.49000
Cd 8.01000 Ce 12.0700 Co 33.8400 Cr 5.81000 Cu 10.6400 Dy 7.12000 Fe 6.25000
K  25.2800 La 7.86000 Li 5.65000 Mg 3.63000 Mn 5.81000 Mo 5.38000 Na 6.59000
Nd 5.52000 Ni 5.10000 P  6.11000 Pb 7.77000 Re 5.18000 Rh 8.48000 Ru 8.91000
Sb 4.28000 Se 8.32000 Si 5.81000 Sr 6.14000 Te 4.74000 Th 7.45000 Ti 4.21000
Tl 5.07000 U  30.3400 V  9.13000 Zn 4.66000 Zr 7.00000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.62	0.0010	100.00	0.00000	0.00000
Al	12.80	0.0000	784900	0.00000	0.00000
As	16.26	0.0029	1435.54	0.00000	0.00000
B	6.04	0.0003	346.40	0.00000	0.00000
Ba	7.25	0.0001	793.72	0.00000	0.00000
Be	9.15	-0.000	-86.61	0.00000	0.00000
Ca	4.46	0.0000	312.28	0.00000	0.00000
Cd	10.20	0.0004	360.57	0.00000	0.00000
Ce	15.48	0.0000		0.00000	0.00000
Co	44.20	0.0154	34.64	0.00000	0.00000
Cr	6.95	-0.000	-299.98	0.00000	0.00000
Cu	14.04	0.0004	456.25	0.00000	0.00000
Dy	8.68	-0.000	*******	0.00000	0.00000
Fe	7.37	-0.001	-99.99	0.00000	0.00000
K	28.16	0.0087	173.24	0.00000	0.00000
La	9.75	0.0019	78.06	0.00000	0.00000
Li	6.22	0.0007	57.73	0.00000	0.00000
Mg	3.95	-0.000	-288.17	0.00000	0.00000

Mn	7.18	-0.000	-692.87	0.00000	0.00000
Mo	6.75	0.0068	23.36	0.00000	0.00000
Na	7.08	0.0082	74.99	0.00000	0.00000
Nd	6.47	0.0037	229.16	0.00000	0.00000
Ni	6.13	0.0012	312.25	0.00000	0.00000
	8.21	-0.101	-49.96	0.00000	0.00000
Pb	9.83	-0.002	-1360.9	0.00000	0.00000
Re	6.19	-0.005	-14.43	0.00000	0.00000
Rh	10.87	-0.007	-34.64	0.00000	0.00000
Ru	11.46	-0.001	-676.26	0.00000	0.00000
Sb	4.88	-0.021	-150.00	0.00000	0.00000
Se	10.67	0.0321	107.34	0.00000	0.00000
Si	7.07	-0.007	-69.28	0.00000	0.00000
Sr	7.22	0.0000		0.00000	0.00000
Te	5.77	-0.000	*******	0.00000	0.00000
Th	9.57	0.0021	300.04	0.00000	0.00000
Ti	4.89	-0.001	-150.01	0.00000	0.00000
Tl	5.74	-0.508	-29.64	0.00000	0.00000
U	39.23	0.0369	69.63	0.00000	0.00000
V	12.13	0.0006	230.94	0.00000	0.00000
Zn	5.53	-0.000	-1212.5	0.00000	0.00000
Zr	8.92	0.0065	251.66	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901275
Sample number   = 1735
Sample code 1   = A5
Sample code 2   = 5XDIL
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901275
Sample number   : 1735
Sample code 1   : A5
Sample code 2   : 5XDIL
Programme       : ALLELE          17-Sep-90  20:15:46
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.56000 Al 9.20300 As 13.2400 B  5.78000 Ba 6.24000 Be 6.48000 Ca 40.6100
Cd 8.49000 Ce 12.0600 Co 33.7900 Cr 5.93000 Cu 10.6700 Dy 7.11000 Fe 6.48000
K  25.3100 La 7.85000 Li 5.66000 Mg 8.23000 Mn 5.92000 Mo 5.35000 Na 7.09000
Nd 5.52000 Ni 5.06000 P  6.21000 Pb 7.74000 Re 5.16000 Rh 8.48000 Ru 8.94000
Sb 4.32000 Se 8.28000 Si 5.99000 Sr 6.28000 Te 4.69000 Th 7.46000 Ti 4.24000
Tl 4.99000 U  30.4000 V  9.14000 Zn 5.63000 Zr 9.58000
[1] Direct Intensities
Ag 5.56000 Al 9.19000 As 13.0900 B  5.76000 Ba 6.25000 Be 6.49000 Ca 40.5200
Cd 8.47000 Ce 12.0800 Co 33.8400 Cr 5.88000 Cu 10.7300 Dy 7.10000 Fe 6.47000
K  25.3100 La 7.86000 Li 5.65000 Mg 8.20000 Mn 5.86000 Mo 5.33000 Na 7.13000
Nd 5.54000 Ni 5.09000 P  6.09000 Pb 7.68000 Re 5.22000 Rh 8.49000 Ru 8.91000
Sb 4.34000 Se 8.28000 Si 5.99000 Sr 6.23000 Te 4.74000 Th 7.46000 Ti 4.25000
Tl 4.91000 U  30.3900 V  9.08000 Zn 5.10000 Zr 9.56000
[1] Direct Intensities
Ag 5.59000 Al 9.20000 As 12.9200 B  5.79000 Ba 6.27000 Be 6.43000 Ca 40.5800
Cd 8.47000 Ce 12.0800 Co 33.8800 Cr 5.87000 Cu 10.7200 Dy 7.15000 Fe 6.49000
K  25.3800 La 7.88000 Li 5.63000 Mg 8.23000 Mn 5.91000 Mo 5.38000 Na 7.09000
Nd 5.53000 Ni 5.05000 P  6.13000 Pb 7.69000 Re 5.19000 Rh 8.49000 Ru 8.86000
```

Sb 4.31000 Se 8.20000 Si 5.93000 Sr 6.27000 Te 4.78000 Th 7.46000 Ti 4.24000
Tl 4.86000 U 30.4000 V 9.10000 Zn 5.10000 Zr 9.59000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
B	6.60	-0.000	*******	0.00000	0.00000
Al	12.95	0.0367	5.89	0.00000	0.00000
As	16.26	0.0029	1200.83	0.00000	0.00000
B	6.96	0.0608	2.41	0.00000	0.00000
Ba	7.31	0.0009	32.73	0.00000	0.00000
Be	8.23	0.0001	68.88	0.00000	0.00000
Ca	52.94	0.1473	0.13	0.00000	0.00000
Cd	11.09	0.0181	2.28	0.00000	0.00000
Ce	15.47	-0.003	-173.17	0.00000	0.00000
Co	44.21	0.0175	79.57	0.00000	0.00000
Cr	7.10	0.0075	19.09	0.00000	0.00000
Cu	14.07	0.0011	80.37	0.00000	0.00000
Dy	8.71	0.0010	132.29	0.00000	0.00000
Fe	7.77	0.0125	4.35	0.00000	0.00000
K	28.19	0.0262	101.04	0.00000	0.00000
La	9.74	0.0009	114.56	0.00000	0.00000
Li	6.22	0.0002	458.12	0.00000	0.00000
Mg	11.49	0.0286	0.38	0.00000	0.00000
Mn	7.30	0.0069	45.92	0.00000	0.00000
Mo	6.66	0.0038	39.74	0.00000	0.00000
Na	7.69	0.3284	4.30	0.00000	0.00000
Nd	6.48	0.0074	75.00	0.00000	0.00000
Ni	6.11	-0.001	-624.50	0.00000	0.00000
P	8.24	-0.077	-96.48	0.00000	0.00000
Pb	9.88	0.0075	137.77	0.00000	0.00000
Te	6.20	-0.004	-81.82	0.00000	0.00000
Th	10.87	-0.007	-34.64	0.00000	0.00000
Ru	11.36	-0.009	-67.36	0.00000	0.00000
Sb	4.95	0.0462	50.92	0.00000	0.00000
Se	10.02	0.0170	153.97	0.00000	0.00000
Si	7.33	0.6643	3.77	0.00000	0.00000
Sr	7.36	0.0007	25.60	0.00000	0.00000
Te	5.75	-0.007	-338.20	0.00000	0.00000
Th	9.57	0.0021	0.02	0.00000	0.00000
Ti	4.94	0.0033	21.65	0.00000	0.00000
Tl	5.50	(-1.009	-34.51	0.00000	0.00000
U	39.27	0.0670	8.66	0.00000	0.00000
V	12.13	0.0007	130.93	0.00000	0.00000
Zn	6.13	0.0095	10.92	0.00000	0.00000
Zr	12.79	0.1248	0.60	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901275
Sample number = 1736
Sample code 1 = A4
Sample code 2 = SPIKE
Sample code 3 = 5XDIL
Weight =

Press <CR> when ready to start measurement
24;132H6n
Sample name : 901275
Sample number : 1736
Sample code 1 : A4

Sample code 2 : SPIKE
Sample code 3 : 5XDIL
Programme : ALLELE 17-Sep-90 20:19:55
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.58000 Al 9.14000 As 15.1600 B 5.64000 Ba 26.6000 Be 9.68000 Ca 40.7000
Cd 8.80000 Ce 12.0500 Co 34.0700 Cr 5.85000 Cu 12.6000 Dy 7.09000 Fe 6.43000
K 25.3400 La 7.86000 Li 5.64000 Mg 8.40000 Mn 14.0900 Mo 5.48000 Na 6.30000
Nd 5.53000 Ni 5.64000 P 6.14000 Pb 7.96000 Re 5.19000 Rh 8.48000 Ru 8.89000
Sb 4.36000 Se 8.80000 Si 6.01000 Sr 6.25000 Te 4.74000 Th 7.45000 Ti 4.25000
Tl 5.08000 U 30.2900 V 12.2300 Zn 9.19000 Zr 7.10000
[1] Direct Intensities
Ag 5.54000 Al 9.16000 As 14.7000 B 5.64000 Ba 26.3700 Be 9.76000 Ca 41.1400
Cd 8.80000 Ce 12.0000 Co 34.0000 Cr 5.81000 Cu 12.5900 Dy 7.10000 Fe 6.41000
K 25.1800 La 7.88000 Li 5.62000 Mg 8.48000 Mn 14.1700 Mo 5.41000 Na 6.78000
Nd 5.49000 Ni 5.62000 P 6.15000 Pb 8.00000 Re 5.26000 Rh 8.45000 Ru 8.88000
Sb 4.34000 Se 8.75000 Si 6.31000 Sr 6.24000 Te 4.70000 Th 7.45000 Ti 4.22000
Tl 5.14000 U 30.3000 V 12.2500 Zn 9.21000 Zr 7.00000
[1] Direct Intensities
Ag 5.54000 Al 9.15000 As 15.0800 B 5.64000 Ba 26.6800 Be 9.68000 Ca 40.8900
Cd 8.80000 Ce 12.0900 Co 34.1200 Cr 5.86000 Cu 12.6000 Dy 7.08000 Fe 6.41000
K 25.2600 La 7.80000 Li 5.66000 Mg 8.40000 Mn 14.1700 Mo 5.42000 Na 6.79000
Nd 5.52000 Ni 5.62000 P 6.09000 Pb 7.94000 Re 5.22000 Rh 8.48000 Ru 8.89000
Sb 4.35000 Se 8.77000 Si 6.05000 Sr 6.24000 Te 4.69000 Th 7.42000 Ti 4.25000
Tl 4.93000 U 30.3500 V 12.2800 Zn 9.17000 Zr 7.11000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.58	-0.002	-138.56	0.00000	0.00000
Al	12.89	0.0216	15.00	0.00000	0.00000
As	19.38	0.4118	12.87	0.00000	0.00000
B	6.76	0.0477	0.00	0.00000	0.00000
Ba	35.25	0.4066	0.68	0.00000	0.00000
Be	13.22	0.0098	1.41	0.00000	0.00000
Ca	53.40	0.1486	0.61	0.00000	0.00000
Cd	11.67	0.0296	0.00	0.00000	0.00000
Ce	15.43	-0.015	-135.28	0.00000	0.00000
Co	44.59	0.0873	21.27	0.00000	0.00000
Cr	7.02	0.0035	72.16	0.00000	0.00000
Cu	16.33	0.0512	0.30	0.00000	0.00000
Dy	8.67	-0.001	-99.99	0.00000	0.00000
Fe	7.67	0.0090	6.93	0.00000	0.00000
K	28.11	-0.022	-239.98	0.00000	0.00000
La	9.71	-0.000	-1249.5	0.00000	0.00000
Li	6.21	-0.000	-600.04	0.00000	0.00000
Mg	11.83	0.0299	0.97	0.00000	0.00000
Mn	21.37	0.1030	0.56	0.00000	0.00000
Mo	6.81	0.0088	25.81	0.00000	0.00000
Na	7.32	0.1367	4.48	0.00000	0.00000
Nd	6.46	-0.002	-624.39	0.00000	0.00000
Ni	7.10	0.1014	2.07	0.00000	0.00000
P	8.21	-0.097	-40.18	0.00000	0.00000
Pb	10.34	0.0925	10.66	0.00000	0.00000
Re	6.25	-0.000	-1053.8	0.00000	0.00000
Rh	10.85	-0.014	-51.96	0.00000	0.00000
Ru	11.34	-0.012	-7.53	0.00000	0.00000
Sb	4.99	0.0872	17.65	0.00000	0.00000
Se	10.84	0.3112	4.58	0.00000	0.00000
Si	7.38	0.0797	12.15	0.00000	0.00000

Sr	7.34	0.0005	6.68	0.00000	0.00000
Te	5.71	-0.021	-66.14	0.00000	0.00000
Th	9.54	-0.011	-103.92	0.00000	0.00000
Ti	4.93	0.0029	74.23	0.00000	0.00000
Tl	5.72	-0.571	-180.27	0.00000	0.00000
	39.17	-0.017	-192.89	0.00000	0.00000
V	17.14	0.0996	0.79	0.00000	0.00000
Zn	12.74	0.1150	0.45	0.00000	0.00000
Zr	9.03	0.0041	10.33	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901275
Sample number   = 1737
Sample code 1   = A3
Sample code 2   = 1P0955
Sample code 3   = 5XDIL
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 901275
Sample number   : 1737
Sample code 1   : A3
Sample code 2   : 1P0955
Sample code 3   : 5XDIL
Programme       : ALLELE          17-Sep-90  20:25:54
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.70000 Al 9.58000 As 15.0900 B  5.85000 Ba 27.2700 Be 9.79000 Ca 139.400
Cd 8.82000 Ce 12.1200 Co 34.2100 Cr 13.1800 Cu 13.6600 Dy 7.09000 Fe 240.300
K  25.7300 La 7.90000 Li 5.66000 Mg 26.4700 Mn 17.4700 Mo 5.54000 Na 147.400
Nd 5.54000 Ni 5.68000 P  18.3000 Pb 8.29000 Re 5.28000 Rh 8.49000 Ru 9.72000
Sb 4.36000 Se 9.18000 Si 10.5600 Sr 27.9000 Te 4.73000 Th 7.46000 Ti 4.26000
Tl 5.02000 U  30.9400 V  12.3800 Zn 10.3400 Zr 7.63000
[1] Direct Intensities
Ag 5.71000 Al 9.58000 As 15.6600 B  5.89000 Ba 27.2900 Be 9.80000 Ca 139.600
Cd 8.91000 Ce 12.1800 Co 34.3400 Cr 13.2000 Cu 13.6900 Dy 7.15000 Fe 241.000
K  25.8200 La 7.95000 Li 5.68000 Mg 26.5800 Mn 17.4700 Mo 5.55000 Na 147.100
Nd 5.50000 Ni 5.70000 P  18.9700 Pb 8.30000 Re 5.30000 Rh 8.50000 Ru 9.80000
Sb 4.40000 Se 9.08000 Si 10.5900 Sr 27.9000 Te 4.74000 Th 7.48000 Ti 4.25000
Tl 5.10000 U  31.0800 V  12.4000 Zn 10.3800 Zr 7.65000
[1] Direct Intensities
Ag 5.75000 Al 9.62000 As 15.0000 B  5.94000 Ba 27.2900 Be 9.78000 Ca 139.700
Cd 8.89000 Ce 12.1900 Co 34.4500 Cr 13.1900 Cu 13.6900 Dy 7.16000 Fe 241.100
K  25.8500 La 7.95000 Li 5.66000 Mg 26.5800 Mn 17.4800 Mo 5.49000 Na 146.500
Nd 5.52000 Ni 5.71000 P  18.8000 Pb 8.31000 Re 5.24000 Rh 8.54000 Ru 9.72000
Sb 4.32000 Se 9.00000 Si 10.6000 Sr 27.9300 Te 4.76000 Th 7.50000 Ti 4.26000
Tl 5.08000 U  31.1400 V  12.4800 Zn 10.4200 Zr 7.67000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.80	0.0147	17.64	0.00000	0.00000
Al	13.51	0.1653	4.53	0.00000	0.00000
As	19.83	0.4701	16.42	0.00000	0.00000
B	7.14	0.0720	6.01	0.00000	0.00000
Ba	36.02	0.4179	0.05	0.00000	0.00000
Be	13.35	0.0100	0.30	0.00000	0.00000
Ca	185.88	0.5510	0.11	0.00000	0.00000

Cd	11.80	0.0323	5.23	0.00000	0.00000
Ce	15.60	0.0386	45.43	0.00000	0.00000
Co	45.04	0.1705	21.71	0.00300	0.00000
Cr	19.46	0.4969	0.14	0.00000	0.00000
Cu	17.63	0.0799	0.57	0.00000	0.00000
Dy	8.73	0.0017	113.50	0.00000	0.00000
Fe	395.60	)12.700	0.19	0.00000	0.00000
K	28.74	0.3322	12.33	0.00000	0.00000
La	9.83	0.0059	34.64	0.00000	0.00000
Li	6.24	0.0016	49.49	0.00000	0.00000
Mg	41.66	0.1431	0.28	0.00000	0.00000
Mn	27.05	0.1442	0.05	0.00000	0.00000
Mo	6.97	0.0142	13.58	0.00000	0.00000
Na	172.05	85.927	0.33	0.00000	0.00000
Nd	6.46	0.0018	600.12	0.00000	0.00000
Ni	7.22	0.1141	2.44	0.00000	0.00000
P	24.78	)15.101	2.79	0.00000	0.00000
Pb	10.92	0.2000	1.61	0.00000	0.00000
Re	6.32	0.0053	65.47	0.00000	0.00000
Rh	10.91	0.0028	396.93	0.00000	0.00000
Ru	12.81	0.1191	5.90	0.00000	0.00000
Sb	5.81	0.1026	60.00	0.00000	0.00000
Se	11.34	0.4885	10.45	0.00000	0.00000
Si	14.25	1.9933	0.44	0.00000	0.00000
Sr	36.62	0.1379	0.00	0.00000	0.00000
Te	5.76	-0.003	-229.12	0.00000	0.00000
Th	9.60	0.0149	85.72	0.00000	0.00000
Ti	4.96	0.0050	14.43	0.00000	0.00000
Tl	5.75	-0.413	-96.07	0.00000	0.00000
U	40.12	0.7269	14.19	0.00000	0.00000
V	17.41	0.1049	1.59	0.00000	0.00000
Zn	14.65	0.1455	0.71	0.00000	0.00000
Zr	9.87	0.0310	3.14	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901275
Sample number   = 1738
Sample code 1   = A2
Sample code 2   = 1P0688
Sample code 3   = 5XDIL
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901275
Sample number   : 1738
Sample code 1   : A2
Sample code 2   : 1P0688
Sample code 3   : 5XDIL
Programme       : ALLELE          17-Sep-90  20:30:42
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.72000 Al 9.69000 As 13.3000 B  5.96000 Ba 6.71000 Be 6.45000 Ca 141.600
Cd 8.31000 Ce 12.1500 Co 34.0000 Cr 13.0200 Cu 11.7500 Dy 7.09000 Fe 235.700
K  25.7100 La 7.95000 Li 5.67000 Mg 26.4000 Mn 9.00000 Mo 5.42000 Na 143.100
Nd 5.51000 Ni 5.13000 P  17.9200 Pb 8.00000 Re 5.23000 Rh 8.51000 Ru 9.71000
Sb 4.28000 Se 8.66000 Si 6.93000 Sr 27.4800 Te 4.75000 Th 7.50000 Ti 4.25000
Tl 4.98000 U  31.0100 V  9.23000 Zn 6.09000 Zr 7.29000
```

[1] Direct Intensities

Ag	5.73000	Al	9.65000	As	13.6900	B	5.93000	Ba	6.73000	Be	6.44000	Ca	141.600
Cd	8.40000	Ce	12.1800	Co	33.9800	Cr	13.0200	Cu	11.7000	Dy	7.15000	Fe	235.600
K	25.7300	La	7.91000	Li	5.67000	Mg	26.4200	Mn	9.13000	Mo	5.38000	Na	143.500
Nd	5.55000	Ni	5.13000	P	18.2600	Pb	8.00000	Re	5.32000	Rh	8.48000	Ru	9.79000
Sb	4.35000	Se	8.55000	Si	6.97000	Sr	27.4900	Te	4.78000	Th	7.48000	Ti	4.26000
Tl	4.99000	U	31.0100	V	9.17000	Zn	6.09000	Zr	7.30000				

[1] Direct Intensities

Ag	5.70000	Al	9.67000	As	13.1800	B	5.94000	Ba	6.70000	Be	6.40000	Ca	142.200
Cd	8.36000	Ce	12.1700	Co	33.9600	Cr	13.0000	Cu	11.7000	Dy	7.15000	Fe	236.200
K	25.8000	La	7.88000	Li	5.66000	Mg	26.4200	Mn	9.11000	Mo	5.34000	Na	144.300
Nd	5.52000	Ni	5.14000	P	18.1800	Pb	8.00000	Re	5.25000	Rh	8.50000	Ru	9.74000
Sb	4.28000	Se	8.63000	Si	6.98000	Sr	27.4900	Te	4.70000	Th	7.45000	Ti	4.27000
Tl	4.95000	U	30.9600	V	9.20000	Zn	6.09000	Zr	7.28000				

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.80	0.0144	10.42	0.00000	0.00000
Al	13.61	0.1902	3.41	0.00000	0.00000
As	16.77	0.0690	83.33	0.00000	0.00000
B	7.21	0.0768	1.91	0.00000	0.00000
Ba	7.94	0.0100	3.01	0.00000	0.00000
Be	8.18	0.0000	264.56	0.00000	0.00000
Ca	188.88	0.5601	0.25	0.00000	0.00000
Cd	10.37	0.0138	11.66	0.00000	0.00000
Ce	15.60	0.0402	17.63	0.00000	0.00000
Co	44.45	0.0616	10.00	0.00000	0.00000
Cr	19.16	0.6802	0.16	0.00000	0.00000
Cu	15.28	0.0278	2.75	0.00000	0.00000
Dy	8.72	0.0015	115.47	0.00000	0.00000
Fe	387.38	)12.431	0.14	0.00000	0.00000
	28.68	0.2973	10.42	0.00000	0.00000
La	9.81	0.0045	55.45	0.00000	0.00000
Li	6.24	0.0016	24.74	0.00000	0.00000
Mg	41.44	0.1423	0.05	0.00000	0.00000
Mn	12.78	0.0406	0.77	0.00000	0.00000
Mo	6.71	0.0054	44.44	0.00000	0.00000
Na	168.09	83.867	0.45	0.00000	0.00000
Nd	6.47	0.0055	208.19	0.00000	0.00000
Ni	6.23	0.0115	9.12	0.00000	0.00000
P	24.03	)14.411	1.49	0.00000	0.00000
Pb	10.40	0.1032	0.00	0.00000	0.00000
Re	6.31	0.0046	118.15	0.00000	0.00000
Rh	10.89	-0.003	-229.09	0.00000	0.00000
Ru	12.81	0.1191	5.16	0.00000	0.00000
Sb	4.92	0.0154	404.14	0.00000	0.00000
Se	10.59	0.2207	14.58	0.00000	0.00000
Si	8.79	0.4728	2.35	0.00000	0.00000
Sr	36.05	0.1352	0.03	0.00000	0.00000
Te	5.76	-0.003	-606.19	0.00000	0.00000
Th	9.59	0.0127	125.33	0.00000	0.00000
Ti	4.97	0.0054	23.08	0.00000	0.00000
Tl	5.59	-1.301	-15.23	0.00000	0.00000
U	40.04	0.6666	4.35	0.00000	0.00000
V	12.28	0.0037	25.71	0.00000	0.00000
Zn	7.76	0.0355	0.00	0.00000	0.00000
Zr	9.33	0.0135	3.61	0.00000	0.00000

More samples [Y/N] ?

```
Sample name     = 901275
Sample number   = 1739
Sample code 1   = A1
Sample code 2   = 1P0064
 ample code 3   = 5XDIL
 eight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901275
Sample number   : 1739
Sample code 1   : A1
Sample code 2   : 1P0064
Sample code 3   : 5XDIL
Programme       : ALLELE          17-Sep-90  20:34:52
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.74000 Al 9.55000 As 13.4800 B  5.85000 Ba 6.67000 Be 6.42000 Ca 131.100
Cd 8.39000 Ce 12.1900 Co 34.0300 Cr 12.6100 Cu 11.6400 Dy 7.14000 Fe 222.100
K  25.7500 La 7.92000 Li 5.67000 Mg 25.4600 Mn 8.95000 Mo 5.48000 Na 135.300
Nd 5.54000 Ni 5.12000 P  17.6600 Pb 8.07000 Re 5.30000 Rh 8.48000 Ru 9.72000
Sb 4.33000 Se 8.55000 Si 7.10000 Sr 26.2400 Te 4.75000 Th 7.46000 Ti 4.26000
Tl 5.03000 U  31.0600 V  9.20000 Zn 6.02000 Zr 7.29000
[1] Direct Intensities
Ag 5.72000 Al 9.53000 As 13.5200 B  5.80000 Ba 6.69000 Be 6.46000 Ca 131.500
Cd 8.27000 Ce 12.1700 Co 33.9400 Cr 12.6200 Cu 11.6400 Dy 7.12000 Fe 222.100
K  25.6800 La 7.93000 Li 5.65000 Mg 25.4400 Mn 8.89000 Mo 5.56000 Na 136.500
Nd 5.56000 Ni 5.16000 P  17.5900 Pb 7.98000 Re 5.27000 Rh 8.46000 Ru 9.69000
Sb 4.35000 Se 8.53000 Si 7.06000 Sr 26.2200 Te 4.78000 Th 7.49000 Ti 4.27000
Tl 5.01000 U  30.9500 V  9.18000 Zn 6.00000 Zr 7.30000
[1] Direct Intensities
Ag 5.72000 Al 9.54000 As 13.7200 B  5.89000 Ba 6.71000 Be 6.46000 Ca 131.200
Cd 8.31000 Ce 12.2000 Co 34.0700 Cr 12.6100 Cu 11.7700 Dy 7.13000 Fe 222.200
K  25.8000 La 7.93000 Li 5.66000 Mg 25.4800 Mn 8.97000 Mo 5.59000 Na 135.300
Nd 5.57000 Ni 5.15000 P  17.7500 Pb 8.01000 Re 5.29000 Rh 8.52000 Ru 9.78000
Sb 4.29000 Se 8.53000 Si 7.09000 Sr 26.2600 Te 4.76000 Th 7.52000 Ti 4.25000
Tl 4.94000 U  31.0600 V  9.26000 Zn 6.07000 Zr 7.30000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.81	0.0153	7.37	0.00000	0.00000
Al	13.43	0.1480	2.19	0.00000	0.00000
As	17.07	0.1085	25.55	0.00000	0.00000
B	7.07	0.0675	6.41	0.00000	0.00000
Ba	7.91	0.0096	4.14	0.00000	0.00000
Be	8.20	0.0001	86.60	0.00000	0.00000
Ca	174.73	0.5171	0.16	0.00000	0.00000
Cd	10.81	0.0126	17.29	0.00000	0.00000
Ce	15.63	0.0494	14.32	0.00000	0.00000
Co	44.50	0.0719	28.54	0.00000	0.00000
Cr	18.48	0.6425	6.08	0.00000	0.00000
Cu	15.24	0.0270	7.38	0.00000	0.00000
Dy	8.72	0.0015	33.34	0.00000	0.00000
Fe	364.71	)11.689	0.03	0.00000	0.00000
K	28.67	0.2951	13.39	0.00000	0.00000
La	9.82	0.0054	7.53	0.00000	0.00000
Li	6.23	0.0012	60.00	0.00000	0.00000
Mg	39.88	0.1363	0.09	0.00000	0.00000
Mn	12.49	0.0385	1.34	0.00000	0.00000

Mo	7.01	0.0152	22.45	0.00000	0.00000
Na	159.16	79.217	0.31	0.00000	0.00000
Nd	6.51	0.0222	39.19	0.00000	0.00000
Ni	6.25	0.0134	23.39	0.00000	0.00000
P	23.44	)13.863	0.70	0.00000	0.00000
b	10.43	0.1097	13.48	0.00000	0.00000
Re	6.34	0.0069	25.46	0.00000	0.00000
Rh	10.87	-0.007	-183.29	0.00000	0.00000
Ru	12.78	0.1165	5.99	0.00000	0.00000
Sb	4.95	0.0462	101.64	0.00000	0.00000
Se	10.47	0.1773	3.69	0.00000	0.00000
Si	8.98	0.5245	1.67	0.00000	0.00000
Sr	34.36	0.1273	0.10	0.00000	0.00000
Te	5.79	0.0069	114.57	0.00000	0.00000
Th	9.61	0.0212	90.00	0.00000	0.00000
Ti	4.97	0.0054	23.08	0.00000	0.00000
Tl	5.63	-1.111	-40.51	0.00000	0.00000
U	40.08	0.6968	9.16	0.00000	0.00000
V	12.30	0.0041	32.02	0.00000	0.00000
Zn	7.66	0.0339	2.72	0.00000	0.00000
Zr	9.34	0.0138	2.04	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CH3
Sample number   = 1740
Sample code 1   =
Sample code 2   =
Sample code 3   =

Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Sample number   : 1740
Programme       : ALLELE          17-Sep-90  20:39:37
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.01000 Al 40.8100 As 22.6800 B  112.000 Ba 6.38000 Be 6.38000 Ca 2523.00
Cd 291.400 Ce 12.7800 Co 34.8300 Cr 114.400 Cu 12.6700 Dy 210.900 Fe 6.55000
K  103.190 La 152.600 Li 302.100 Mg 4.46000 Mn 833.000 Mo 6.09000 Na 175.000
Nd 24.0700 Ni 5.58000 P  14.8030 Pb 8.80000 Re 94.7530 Rh 9.57000 Ru 76.2500
Sb 4.46000 Se 26.6800 Si 30.3800 Sr 16.6800 Te 5.54000 Th 23.7100 Ti 4.55000
Tl 6.35000 U  31.9000 V  10.4700 Zn 6.63000 Zr 26.9800
[1] Direct Intensities
Ag 5.99000 Al 40.8000 As 22.6300 B  113.000 Ba 6.38000 Be 6.88000 Ca 2521.00
Cd 291.600 Ce 12.7800 Co 34.8000 Cr 114.500 Cu 12.6500 Dy 210.300 Fe 6.52000
K  102.810 La 152.500 Li 300.900 Mg 4.41000 Mn 832.400 Mo 6.05000 Na 174.300
Nd 24.0700 Ni 5.57000 P  15.3000 Pb 8.81000 Re 94.5800 Rh 9.59000 Ru 76.3900
Sb 4.45000 Se 26.7100 Si 30.3600 Sr 16.6500 Te 5.54000 Th 23.6400 Ti 4.56000
Tl 6.38000 U  31.8400 V  10.4900 Zn 6.59000 Zr 26.9900
[1] Direct Intensities
Ag 6.04000 Al 40.6900 As 23.1200 B  113.000 Ba 6.36000 Be 6.88000 Ca 2517.00
Cd 290.500 Ce 12.8000 Co 34.8800 Cr 114.100 Cu 12.6300 Dy 210.100 Fe 6.51000
K  102.760 La 152.000 Li 300.400 Mg 4.45000 Mn 830.000 Mo 6.15000 Na 173.900
Nd 23.9700 Ni 5.58000 P  14.9400 Pb 8.72000 Re 94.1100 Rh 9.54000 Ru 76.1700
Sb 4.37000 Se 26.3800 Si 30.2400 Sr 16.6000 Te 5.52000 Th 23.6600 Ti 4.55000
Tl 6.53000 U  31.9300 V  10.4400 Zn 6.60000 Zr 26.9100
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.19	0.0434	5.68	0.00000	0.00000
Al	56.86	10.270	0.21	0.00000	0.00000
As	32.27	2.1002	2.77	0.00000	0.00000
B	163.57	10.317	0.54	0.00000	0.00000
Ba	7.47	0.0033	6.93	0.00000	0.00000
Be	8.87	0.0014	0.00	0.00000	0.00000
Ca	3382.83	10.260	0.12	0.00000	0.00000
Cd	518.95	10.114	0.21	0.00000	0.00000
Ce	16.49	0.3275	1.63	0.00000	0.00000
Co	45.89	0.3255	3.82	0.00000	0.00000
Cr	190.55	10.239	0.19	0.00000	0.00000
Cu	16.40	0.0526	1.01	0.00000	0.00000
Dy	275.31	10.300	0.21	0.00000	0.00000
Fe	7.85	0.0150	7.52	0.00000	0.00000
K	118.91	50.903	0.30	0.00000	0.00000
La	212.11	10.255	0.22	0.00000	0.00000
Li	329.85	20.545	0.30	0.00000	0.00000
Mg	5.27	0.0050	3.34	0.00000	0.00000
Mn	1416.33	10.225	0.19	0.00000	0.00000
Mo	8.02	0.0483	6.24	0.00000	0.00000
Na	204.24	102.69	0.33	0.00000	0.00000
Nd	29.70	10.277	0.31	0.00000	0.00000
Ni	7.01	0.0923	1.14	0.00000	0.00000
P	19.94	)10.653	2.93	0.00000	0.00000
Pb	11.75	0.3537	4.50	0.00000	0.00000
Re	139.56	10.230	0.37	0.00000	0.00000
Rh	12.35	0.4393	2.37	0.00000	0.00000
Ru	126.91	10.232	0.17	0.00000	0.00000
Sb	5.12	0.2052	37.00	0.00000	0.00000
Se	38.93	10.392	3.99	0.00000	0.00000
Si	43.97	10.278	0.31	0.00000	0.00000
Sr	21.39	0.0665	0.39	0.00000	0.00000
Te	7.04	0.4051	1.47	0.00000	0.00000
Th	31.48	10.336	0.22	0.00000	0.00000
Ti	5.44	0.0421	1.71	0.00000	0.00000
Tl	8.07	)12.473	7.36	0.00000	0.00000
U	41.20	1.5678	2.94	0.00000	0.00000
V	14.30	0.0435	1.82	0.00000	0.00000
Zn	8.59	0.0487	1.10	0.00000	0.00000
Zr	39.13	0.9713	0.22	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1741
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CL1
Sample number   : 1741
Programme       : ALLELE            17-Sep-90  20:45:40
[******] +5 volt power supply out.
[******] -180 volt power supply out.
```

E03-073

[1] Direct Intensities

Ag	5.55000	Al	9.06000	As	13.5200	B	6.18000	Ba	6.19000	Be	6.41000	Ca	4.48000
Cd	7.99000	Ce	12.0600	Co	33.7900	Cr	5.01000	Cu	10.5900	Dy	7.10000	Fe	6.26000
K	25.1600	La	7.88000	Li	5.65000	Mg	3.67000	Mn	5.86000	Mo	5.43000	Na	6.48000
Nd	5.49000	Ni	5.06000	P	6.19000	Pb	7.64000	Re	5.24000	Rh	8.49000	Ru	9.01000
Sb	4.34000	Se	8.29000	Si	5.82000	Sr	6.19000	Te	4.74000	Th	7.44000	Ti	4.22000
Tl	5.05000	U	30.3400	V	9.12000	Zn	4.82000	Zr	7.03000				

[1] Direct Intensities

Ag	5.54000	Al	9.05000	As	13.5400	B	5.99000	Ba	6.18000	Be	6.41000	Ca	4.49000
Cd	8.00000	Ce	12.1000	Co	33.7900	Cr	5.20000	Cu	10.6500	Dy	7.09000	Fe	6.28000
K	25.1100	La	7.86000	Li	5.66000	Mg	3.64000	Mn	5.87000	Mo	5.33000	Na	6.47000
Nd	5.53000	Ni	5.05000	P	6.03000	Pb	7.62000	Re	5.19000	Rh	8.45000	Ru	8.98000
Sb	4.33000	Se	8.23000	Si	5.80000	Sr	6.15000	Te	4.75000	Th	7.44000	Ti	4.23000
Tl	5.08000	U	30.3300	V	9.09000	Zn	4.76000	Zr	7.02000				

[1] Direct Intensities

Ag	5.57000	Al	9.08000	As	13.1800	B	5.88000	Ba	6.25000	Be	6.41000	Ca	4.50000
Cd	8.00000	Ce	12.1300	Co	33.8700	Cr	5.87000	Cu	10.6700	Dy	7.13000	Fe	6.25000
K	25.2100	La	7.89000	Li	5.66000	Mg	3.66000	Mn	5.89000	Mo	5.40000	Na	6.50000
Nd	5.49000	Ni	5.07000	P	6.19000	Pb	7.68000	Re	5.28000	Rh	8.48000	Ru	9.00000
Sb	4.30000	Se	8.18000	Si	5.81000	Sr	6.16000	Te	4.76000	Th	7.48000	Ti	4.26000
Tl	5.22000	U	30.4160	V	9.11000	Zn	4.72000	Zr	7.01000				

NAME	MV	INT	CONCEN	RSD	BCOR	SCOR
Ag	6.58		-0.002	-91.65	0.00000	0.00000
Al	12.77		-0.006	-76.38	0.00000	0.00000
As	16.81		0.0740	58.93	0.00000	0.00000
B	7.32		0.0838	17.38	0.00000	0.00000
Ba	7.25		0.0000		0.00000	0.00000
Be	8.14		-0.000	0.00	0.00000	0.00000
Ca	4.49		0.0001	33.33	0.00000	0.00000
Cd	10.23		0.0010	21.65	0.00000	0.00000
Ce	15.50		0.0077	210.71	0.00000	0.00000
Co	44.17		0.0113	125.95	0.00000	0.00000
Cr	7.00		0.0022	162.25	0.00000	0.00000
Cu	13.99		-0.001	-138.77	0.00000	0.00000
Dy	8.69		0.0003	312.26	0.00000	0.00000
Fe	7.41		0.0007	114.57	0.00000	0.00000
K	27.99		-0.087	-37.50	0.00000	0.00000
La	9.75		0.0019	57.28	0.00000	0.00000
Li	6.23		0.0009	43.29	0.00000	0.00000
Mg	3.98		0.0001	152.75	0.00000	0.00000
Mn	7.26		0.0006	32.73	0.00000	0.00000
Mo	6.72		0.0058	53.09	0.00000	0.00000
Na	6.96		-0.051	-18.33	0.00000	0.00000
Nd	6.44		-0.007	-173.20	0.00000	0.00000
Ni	6.10		-0.002	-100.00	0.00000	0.00000
P	8.23		-0.085	-131.97	0.00000	0.00000
Pb	9.78		-0.011	-91.65	0.00000	0.00000
Re	6.27		0.0011	450.91	0.00000	0.00000
Rh	10.86		-0.012	-69.39	0.00000	0.00000
Ru	11.52		0.0051	45.83	0.00000	0.00000
Sb	4.95		0.0462	69.39	0.00000	0.00000
Se	9.99		0.0057	550.83	0.00000	0.00000
Si	7.06		-0.010	-42.86	0.00000	0.00000
Sr	7.23		0.0001	208.17	0.00000	0.00000
Te	5.77		-0.000	*******	0.00000	0.00000
Th	9.56		-0.002	-692.73	0.00000	0.00000
Ti	4.93		0.0025	104.08	0.00000	0.00000
Tl	5.34		0.0634	1361.65	0.00000	0.00000

U	39.22	0.0301	145.30	0.00000	0.00000
V	12.13	0.0007	65.46	0.00000	0.00000
Zn	5.63	0.0015	33.59	0.00000	0.00000
Zr	3.92	0.0003	150.32	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901276
Sample number = 1742
Sample code 1 = A5
Sample code 2 = 5XDIL
Sample code 3 =
Weight =

Press <CR> when ready to start measurement
24:132H6n
Sample name : 901276
Sample number : 1742
Sample code 1 : A5
Sample code 2 : 5XDIL
Programme : ALLELE 17-Sep-90 20:50:52
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.60000 Al 9.09000 As 13.2900 B 5.80000 Ba 6.24000 Be 6.41000 Ca 20.5200
Cd 8.24000 Ce 12.0800 Co 33.0500 Cr 5.80000 Cu 10.7300 Dy 7.11000 Fe 6.36000
K 25.1400 La 7.88000 Li 5.65000 Mg 5.97000 Mn 5.86000 Mo 5.30000 Na 6.58000
Nd 5.54000 Ni 5.09000 P 6.18000 Pb 7.66000 Re 5.22000 Rh 8.49000 Ru 9.00000
Sb 4.31000 Se 8.31000 Si 5.99000 Sr 6.19000 Te 4.74000 Th 7.46000 Ti 4.24000
Tl 5.04000 U 30.3900 V 9.13000 Zn 5.16000 Zr 7.04000
[1] Direct Intensities
Ag 5.56000 Al 9.10000 As 13.2200 B 5.77000 Ba 6.26000 Be 6.40000 Ca 20.5900
Cd 8.29000 Ce 12.1300 Co 33.8700 Cr 5.85000 Cu 10.7300 Dy 7.11000 Fe 6.33000
K 25.1700 La 7.82000 Li 5.64000 Mg 5.97000 Mn 5.93000 Mo 5.35000 Na 6.56000
Nd 5.55000 Ni 5.08000 P 6.04000 Pb 7.66000 Re 5.21000 Rh 8.47000 Ru 8.92000
Sb 4.29000 Se 8.19000 Si 5.98000 Sr 6.21000 Te 4.78000 Th 7.47000 Ti 4.25000
Tl 4.99000 U 30.4600 V 9.15000 Zn 5.12000 Zr 7.06000
[1] Direct Intensities
Ag 5.54000 Al 9.08000 As 13.0800 B 5.74000 Ba 6.24000 Be 6.38000 Ca 20.6200
Cd 8.18000 Ce 12.1000 Co 33.7700 Cr 5.82000 Cu 10.7300 Dy 7.06000 Fe 6.30000
K 25.2800 La 7.80000 Li 5.63000 Mg 5.97000 Mn 5.86000 Mo 5.26000 Na 6.54000
Nd 5.51000 Ni 5.08000 P 6.22000 Pb 7.65000 Re 5.23000 Rh 8.49000 Ru 8.95000
Sb 4.28000 Se 8.21000 Si 5.96000 Sr 6.16000 Te 4.70000 Th 7.43000 Ti 4.21000
Tl 5.01000 U 30.3500 V 9.09000 Zn 5.10000 Zr 7.01000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.60	-0.000	-916.49	0.00000	0.00000
Al	12.81	0.0022	149.98	0.00000	0.00000
As	16.45	0.0273	94.42	0.00000	0.00000
B	6.95	0.0601	4.79	0.00000	0.00000
Ba	7.30	0.0008	28.87	0.00000	0.00000
Be	8.12	-0.000	-65.47	0.00000	0.00000
Ca	26.10	0.0657	0.32	0.00000	0.00000
Cd	10.66	0.0095	20.65	0.00000	0.00000
Ce	15.51	0.0108	107.86	0.00000	0.00000
Co	44.20	0.0154	105.83	0.00000	0.00000
Cr	7.04	0.0044	64.29	0.00000	0.00000
Cu	14.10	0.0017	0.00	0.00000	0.00000
Dy	8.67	-0.000	-433.00	0.00000	0.00000

Fe	7.55	0.0052	43.07	0.00000	0.00000
K	28.03	-0.063	-76.25	0.00000	0.00000
La	9.69	-0.001	-249.82	0.00000	0.00000
Li	6.21	-0.000	-300.04	0.00000	0.00000
Mg	7.79	0.0145	0.00	0.00000	0.00000
Mn	7.28	0.0007	71.32	0.00000	0.00000
Mo	6.56	0.0008	338.19	0.00000	0.00000
Na	7.05	-0.004	-300.00	0.00000	0.00000
Nd	6.48	0.0392	124.91	0.00000	0.00000
Ni	6.14	0.0024	43.30	0.00000	0.00000
P	8.24	-0.073	-157.53	0.00000	0.00000
Pb	9.80	-0.008	-24.74	0.00000	0.00000
Re	6.24	-0.001	-150.00	0.00000	0.00000
Rh	10.87	-0.008	-57.73	0.00000	0.00000
Ru	11.46	-0.001	-606.10	0.00000	0.00000
Sb	4.90	0.0000		0.00000	0.00000
Se	10.00	0.0075	482.25	0.00000	0.00000
Si	7.31	0.0601	10.66	0.00000	0.00000
Sr	7.26	0.0002	83.09	0.00000	0.00000
Te	5.76	-0.005	-399.99	0.00000	0.00000
Th	9.56	-0.002	-624.41	0.00000	0.00000
Ti	4.92	0.0021	124.90	0.00000	0.00000
Tl	5.66	-0.920	-26.83	0.00000	0.00000
U	39.28	0.0703	79.54	0.00000	0.00000
V	12.16	0.0013	76.38	0.00000	0.00000
Zn	6.21	0.0108	7.27	0.00000	0.00000
Zr	8.94	0.0011	107.86	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901276
Sample number   = 1743
Sample code 1   = A4
Sample code 2   = SPIKE
Sample code 3   = 5XDIL

Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901276
Sample number   : 1743
Sample code 1   : A4
Sample code 2   : SPIKE
Sample code 3   : 5XDIL
Programme       : ALLELE          17-Sep-90  20:55:02
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.54000 Al 9.18000 As 14.7900 B  5.70060 Ba 26.7800 Be 9.76000 Ca 25.7500
Cd 8.52000 Ce 12.0700 Co 34.0100 Cr 5.86000 Cu 12.6300 Dy 7.08000 Fe 6.39000
K  25.0700 La 7.85000 Li 5.64000 Mg 6.47000 Mn 14.1000 Mo 5.49000 Na 6.64000
Nd 5.55000 Ni 5.63000 P  6.15000 Pb 8.00000 Re 5.21000 Rh 8.46000 Ru 8.92000
Sb 4.45000 Se 8.77000 Si 6.00000 Sr 6.20000 Te 4.73000 Th 7.41000 Ti 4.26000
Tl 5.08000 U  30.2600 V  12.2500 Zn 9.25000 Zr 7.03000
[1] Direct Intensities
Ag 5.57000 Al 9.16000 As 14.8800 B  5.63000 Ba 26.6700 Be 9.75000 Ca 25.6500
Cd 8.67000 Ce 12.1400 Co 34.2400 Cr 5.86000 Cu 12.6200 Dy 7.12000 Fe 6.46000
K  25.2500 La 7.82000 Li 5.64000 Mg 6.43000 Mn 14.1100 Mo 5.58000 Na 6.66000
Nd 5.54000 Ni 5.62000 P  6.09000 Pb 7.93000 Re 5.20000 Rh 8.48000 Ru 8.94000
```

Sb 4.32000 Se 8.64000 Si 6.04000 Sr 6.24000 Te 4.76000 Th 7.44000 Ti 4.25000
Tl 5.14000 U 30.4000 V 12.3100 Zn 9.22000 Zr 7.02000
[1] Direct Intensities
Ag 5.56000 Al 9.16000 As 14.9800 B 5.64000 Ba 26.8100 Be 9.73000 Ca 25.7900
Cd 8.59000 Ce 12.0700 Co 34.0900 Cr 5.81000 Cu 12.6800 Dy 7.12000 Fe 6.40000
K 25.1800 La 7.87000 Li 5.65000 Mg 6.41000 Mn 14.1500 Mo 5.38000 Na 6.66000
Nd 5.49000 Ni 5.60000 P 6.14000 Pb 7.93000 Re 5.25000 Rh 8.46000 Ru 8.92000
Sb 4.32000 Se 8.80000 Si 6.01000 Sr 6.20000 Te 4.74000 Th 7.44000 Ti 4.24000
Tl 5.19000 U 30.3700 V 12.2600 Zn 9.22000 Zr 7.00000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.59	-0.001	-114.56	0.00000	0.00000
Al	12.91	0.0270	13.86	0.00000	0.00000
As	19.23	0.3910	5.24	0.00000	0.00000
B	6.79	0.0493	7.38	0.00000	0.00000
Ba	35.30	0.4074	0.36	0.00000	0.00000
Be	13.28	0.0099	0.46	0.00000	0.00000
Ca	33.02	0.0867	0.34	0.00000	0.00000
Cd	11.30	0.0223	12.04	0.00000	0.00000
Ce	15.50	0.0062	303.09	0.00000	0.00000
Co	44.67	0.1027	35.03	0.00000	0.00000
Cr	7.03	0.0038	72.17	0.00000	0.00000
Cu	16.39	0.0524	1.63	0.00000	0.00000
Dy	8.69	0.0003	346.46	0.00000	0.00000
Fe	7.67	0.0090	22.72	0.00000	0.00000
K	28.00	-0.083	-71.63	0.00000	0.00000
La	9.71	-0.000	-755.28	0.00000	0.00000
Li	6.21	0.0000	1347000	0.00000	0.00000
Mg	8.56	0.0174	1.10	0.00000	0.00000
Mn	21.33	0.1027	0.32	0.00000	0.00000
Mo	6.90	0.0116	51.31	0.00000	0.00000
Na	7.16	0.0530	13.32	0.00000	0.00000
Nd	6.47	0.0055	321.48	0.00000	0.00000
Ni	7.08	0.0996	2.79	0.00000	0.00000
P	3.21	-0.097	-40.18	0.00000	0.00000
Pb	10.32	0.0082	14.79	0.00000	0.00000
Re	6.24	-0.001	-396.34	0.00000	0.00000
Rh	10.85	-0.015	-31.49	0.00000	0.00000
Ru	11.40	-0.006	-31.49	0.00000	0.00000
Sb	5.02	0.1077	107.21	0.00000	0.00000
Se	10.79	0.2705	16.57	0.00000	0.00000
Si	7.37	0.0769	11.35	0.00000	0.00000
Sr	7.30	0.0004	40.75	0.00000	0.00000
Te	5.76	-0.003	-229.12	0.00000	0.00000
Th	9.53	-0.017	-64.95	0.00000	0.00000
Ti	4.95	0.0042	30.00	0.00000	0.00000
Tl	5.87	0.2539	206.55	0.00000	0.00000
U	39.20	0.0134	552.87	0.00000	0.00000
V	17.18	0.1003	1.01	0.00000	0.00000
Zn	12.80	0.1160	0.38	0.00000	0.00000
Zr	8.91	0.0002	458.30	0.00000	0.00000

More samples [Y/N] ? Sample name = 901276
Sample number = 1744
Sample code 1 = A3
Sample code 2 = !P0641
Sample code 3 = 5XDIL

Weight =

Press <CR> when ready to start measurement
24:132Hsn
Sample name : 901276
Sample number : 1744
Sample code 1 : A3
Sample code 2 : 1P0641
Sample code 3 : 5XDIL
Programme : ALLELE 17-Sep-90 20:59:31
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.54000 Al 9.37000 As 15.3500 B 6.18000 Ba 27.6400 Be 9.30000 Ca 115.400
Cd 8.53000 Ce 12.0400 Co 33.9100 Cr 12.5900 Cu 13.3400 Dy 7.13000 Fe 271.000
K 25.4000 La 7.92000 Li 5.67000 Mg 22.3400 Mn 17.6300 Mo 5.48000 Na 152.200
Nd 5.49000 Ni 5.69000 P 18.9400 Pb 8.94000 Re 5.24000 Rh 8.42000 Ru 9.83000
Sb 4.36000 Se 8.92000 Si 8.18000 Sr 37.1400 Te 4.78000 Th 7.45000 Ti 4.26000
Tl 5.07000 U 30.7500 V 12.3800 Zn 12.6800 Zr 7.05000
[1] Direct Intensities
Ag 5.57000 Al 9.35000 As 15.3800 B 6.12000 Ba 27.5300 Be 9.75000 Ca 114.900
Cd 8.52000 Ce 12.0800 Co 34.0000 Cr 12.6000 Cu 13.3600 Dy 7.07000 Fe 270.300
K 25.3900 La 7.88000 Li 5.61000 Mg 22.2900 Mn 17.5800 Mo 5.40000 Na 151.200
Nd 5.51000 Ni 5.72000 P 18.6600 Pb 8.81000 Re 5.23000 Rh 8.46000 Ru 9.80000
Sb 4.39000 Se 9.11000 Si 8.15000 Sr 36.9400 Te 4.75000 Th 7.44000 Ti 4.24000
Tl 5.14000 U 30.7800 V 12.3100 Zn 12.7800 Zr 7.05000
[1] Direct Intensities
Ag 5.54000 Al 9.34000 As 15.5600 B 6.14000 Ba 27.4500 Be 9.76000 Ca 114.200
Cd 8.59000 Ce 12.0400 Co 33.9800 Cr 12.5300 Cu 13.3800 Dy 7.09000 Fe 268.500
K 25.3400 La 7.94000 Li 5.62000 Mg 22.1800 Mn 17.5000 Mo 5.46000 Na 150.600
Nd 5.49000 Ni 5.69000 P 18.6900 Pb 8.90000 Re 5.25000 Rh 8.45000 Ru 9.76000
Sb 4.38000 Se 8.89000 Si 8.16000 Sr 36.8100 Te 4.72000 Th 7.41000 Ti 4.24000
Tl 5.29000 U 30.7500 V 12.3100 Zn 12.6500 Zr 7.04000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.58	-0.002	-86.61	0.00000	0.00000
Al	13.17	0.0875	5.66	0.00000	0.00000
As	20.13	0.5089	4.81	0.00000	0.00000
B	7.51	0.0963	3.04	0.00000	0.00000
Ba	36.37	0.4238	0.45	0.00000	0.00000
Be	13.32	0.0099	0.79	0.00000	0.00000
Ca	152.67	0.4501	0.55	0.00000	0.00000
Cd	11.22	0.0206	6.57	0.00000	0.00000
Ce	15.44	-0.012	-86.60	0.00000	0.00000
Co	44.42	0.0565	25.77	0.00000	0.00000
Cr	18.41	0.6387	0.56	0.00000	0.00000
Cu	17.24	0.0714	0.74	0.00000	0.00000
Dy	8.68	-0.000	-916.26	0.00000	0.00000
Fe	443.82	)14.278	0.49	0.00000	0.00000
K	28.24	0.0546	38.57	0.00000	0.00000
La	9.81	0.0045	48.24	0.00000	0.00000
Li	6.19	-0.002	-42.86	0.00000	0.00000
Mg	34.62	0.1164	0.44	0.00000	0.00000
Mn	27.22	0.1454	0.56	0.00000	0.00000
Mo	6.83	0.0094	26.57	0.00000	0.00000
Na	177.14	88.578	0.56	0.00000	0.00000
Nd	6.43	-0.011	-57.73	0.00000	0.00000
Ni	7.22	0.1147	2.75	0.00000	0.00000
P*	24.88	)15.190	1.22	0.00000	0.00000

Pb	11.93	0.3881	5.53	0.00000	0.00000
Re	6.27	0.0015	75.00	0.00000	0.00000
Rh	10.81	-0.025	-34.69	0.00000	0.00000
Ru	12.90	0.1267	4.21	0.00000	0.00000
Sb	5.04	0.1282	18.33	0.00000	0.00000
Se	11.16	0.4244	15.91	0.00000	0.00000
Si	10.60	0.9778	0.66	0.00000	0.00000
Sr	48.85	0.1953	0.54	0.00000	0.00000
Te	5.77	0.0000		0.00000	0.00000
Th	9.54	-0.015	-89.22	0.00000	0.00000
Ti	4.95	0.0037	38.49	0.00000	0.00000
Tl	5.92	0.5395	198.36	0.00000	0.00000
U	39.74	0.4321	4.03	0.00000	0.00000
V	17.27	0.1022	1.24	0.00000	0.00000
Zn	18.38	0.2051	0.85	0.00000	0.00000
Zr	8.96	0.0016	17.32	0.00000	0.00000

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More samples [Y/N] ?
Sample name     = 901276
Sample number   = 1745
Sample code 1   = A2
Sample code 2   = 1P0481
Sample code 3   = 5XDIL
Weight          =

Press <CR> when ready to start measurement
24:132Hón
Sample name     : 901276
Sample number   : 1745
Sample code 1   : A2
Sample code 2   : 1P0481
Sample code 3   : 5XDIL
Programme       : ALLELE          17-Sep-90  21:03:49
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.58000 Al 9.35000 As 13.4100 B  6.08000 Ba 6.82000 Be 6.40000 Ca 111.000
Cd 8.34000 Ce 12.1800 Co 33.8600 Cr 12.5100 Cu 12.0100 Dy 7.16000 Fe 266.400
K  25.4300 La 7.94000 Li 5.66000 Mg 21.9800 Mn 9.32000 Mo 5.58000 Na 147.400
Nd 5.52000 Ni 5.17000 P  19.2000 Pb 8.60000 Re 5.23000 Rh 8.49000 Ru 9.81000
Sb 4.34000 Se 8.60000 Si 6.54000 Sr 36.3300 Te 4.75000 Th 7.48000 Ti 4.26000
Tl 5.05000 U  30.9300 V  9.20000 Zn 8.85000 Zr 7.09000
[1] Direct Intensities
Ag 5.57000 Al 9.34000 As 13.4800 B  6.02000 Ba 6.85000 Be 6.46000 Ca 110.900
Cd 8.28000 Ce 12.1500 Co 33.9000 Cr 12.5400 Cu 12.0300 Dy 7.13000 Fe 266.700
K  25.3500 La 7.94000 Li 5.66000 Mg 21.9700 Mn 9.30000 Mo 5.53000 Na 147.100
Nd 5.57000 Ni 5.17000 P  18.7000 Pb 8.55000 Re 5.26000 Rh 8.48000 Ru 9.82000
Sb 4.30000 Se 8.54000 Si 6.56000 Sr 36.2900 Te 4.72000 Th 7.48000 Ti 4.26000
Tl 5.07000 U  31.0100 V  9.21000 Zn 8.88000 Zr 7.08000
[1] Direct Intensities
Ag 5.58000 Al 9.36000 As 13.4900 B  6.02000 Ba 6.80000 Be 6.39000 Ca 111.000
Cd 8.18000 Ce 12.1400 Co 33.8800 Cr 12.5000 Cu 12.0000 Dy 7.15000 Fe 266.800
K  25.4700 La 7.89000 Li 5.66000 Mg 21.9800 Mn 9.28000 Mo 5.48000 Na 147.400
Nd 5.53000 Ni 5.19000 P  18.9100 Pb 8.54000 Re 5.31000 Rh 8.50000 Ru 9.77000
Sb 4.33000 Se 8.44000 Si 6.53000 Sr 36.3003 Te 4.79000 Th 7.46000 Ti 4.26000
Tl 5.18000 U  30.9600 V  9.19000 Zn 8.93000 Zr 7.09000

  NAME      MV INT   CONCEN      RSD     SCOR     SCOR
```

Ag	6.61	0.0007	86.59	0.00000	0.00000
Al	13.17	0.0864	3.75	0.00000	0.00000
As	16.88	0.0841	11.18	0.00000	0.00000
B	7.35	0.0860	3.86	0.00000	0.00000
Ba	8.09	0.0122	4.08	0.00000	0.00000
Be	8.15	-0.000	-1135.8	0.00000	0.00000
Ca	147.47	0.4343	0.05	0.00000	0.00000
Cd	10.71	0.0106	27.25	0.00000	0.00000
Ce	15.59	0.0355	27.15	0.00000	0.00000
Co	44.28	0.0308	20.00	0.00000	0.00000
Cr	18.32	0.6334	0.31	0.00000	0.00000
Cu	15.63	0.0357	1.13	0.00000	0.00000
Dy	8.74	0.0024	32.73	0.00000	0.00000
Fe	438.36	)14.099	0.08	0.00000	0.00000
K	28.29	0.0809	49.54	0.00000	0.00000
La	9.82	0.0052	39.36	0.00000	0.00000
Li	6.23	0.0012	0.00	0.00000	0.00000
Mg	34.14	0.1145	0.03	0.00000	0.00000
Mn	13.11	0.0430	0.58	0.00000	0.00000
Mo	6.98	0.0144	28.83	0.00000	0.00000
Na	172.40	86.111	0.12	0.00000	0.00000
Nd	6.49	0.0129	113.39	0.00000	0.00000
Ni	6.31	0.0194	10.83	0.00000	0.00000
P	25.11	)15.399	1.97	0.00000	0.00000
Pb	11.38	0.2849	3.64	0.00000	0.00000
Re	6.31	0.0046	101.04	0.00000	0.00000
Rh	10.88	-0.006	-74.99	0.00000	0.00000
Ru	12.90	0.1272	3.16	0.00000	0.00000
Sb	4.95	0.0462	69.39	0.00000	0.00000
Se	10.45	0.1716	26.65	0.00000	0.00000
Si	8.17	0.2979	2.15	0.00000	0.00000
Sr	47.97	0.1912	0.07	0.00000	0.00000
Te	5.78	0.0017	1053.68	0.00000	0.00000
Th	9.59	0.0106	69.29	0.00000	0.00000
Ti	4.97	0.0054	0.00	0.00000	0.00000
Tl	5.81	-0.095	-699.82	0.00000	0.00000
U	40.01	0.6398	6.35	0.00000	0.00000
V	12.28	0.0037	8.57	0.00000	0.00000
Zn	12.25	0.1072	0.97	0.00000	0.00000
Zr	9.82	0.0036	7.37	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901276
Sample number   = 1746
Sample code 1   = A1
Sample code 2   = 1P0798
Sample code 3   = 5XDIL
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901276
Sample number   : 1746
Sample code 1   : A1
Sample code 2   : 1P0798
Sample code 3   : 5XDIL
Programme       : ALLELE          17-Sep-90  21:08:00
[******] +5 volt power supply out.
[******] -100 volt power supply out.
```

[1] Direct Intensities
Ag 5.57000 Al 9.47000 As 13.4500 B 5.94000 Ba 6.85000 Be 6.45000 Ca 112.400
Cd 8.18000 Ce 12.1400 Co 34.0000 Cr 12.7500 Cu 11.4900 Dy 7.14000 Fe 271.500
K 25.6400 La 7.91000 Li 5.64000 Mg 22.2000 Mn 9.44000 Mo 5.50000 Na 150.000
Nd 5.54000 Ni 5.17000 P 18.8300 Pb 8.61000 Re 5.24000 Rh 8.50000 Ru 9.79000
Sb 4.30000 Se 8.66000 Si 6.40000 Sr 36.9600 Te 4.72000 Th 7.48000 Ti 4.23000
Tl 5.05000 U 31.1000 V 9.27000 Zn 8.65000 Zr 7.12000
[1] Direct Intensities
Ag 5.55000 Al 9.42000 As 13.7500 B 5.95000 Ba 6.87000 Be 6.40000 Ca 113.300
Cd 8.20000 Ce 12.1300 Co 34.0000 Cr 12.8000 Cu 11.5100 Dy 7.14000 Fe 273.200
K 25.5000 La 7.97000 Li 5.64000 Mg 22.3400 Mn 9.46000 Mo 5.50000 Na 150.800
Nd 5.55000 Ni 5.20000 P 19.2000 Pb 8.66000 Re 5.31000 Rh 8.52000 Ru 9.90000
Sb 4.34000 Se 8.50000 Si 6.46000 Sr 37.1500 Te 4.80000 Th 7.52000 Ti 4.25000
Tl 5.00000 U 31.0200 V 9.17000 Zn 8.73000 Zr 7.09000
[1] Direct Intensities
Ag 5.58000 Al 9.45000 As 13.3900 B 5.94000 Ba 6.87000 Be 6.42000 Ca 112.700
Cd 8.19000 Ce 12.2100 Co 34.0100 Cr 12.8100 Cu 11.5000 Dy 7.12000 Fe 272.600
K 25.4500 La 7.93000 Li 5.65000 Mg 22.2900 Mn 9.42000 Mo 5.35000 Na 150.100
Nd 5.55000 Ni 5.21000 P 18.8700 Pb 8.60000 Re 5.30000 Rh 8.54000 Ru 9.90000
Sb 4.34000 Se 8.44000 Si 6.42000 Sr 36.9900 Te 4.74000 Th 7.50000 Ti 4.27000
Tl 5.05000 U 31.1300 V 9.21000 Zn 8.69000 Zr 7.13000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.60	-0.000	-458.24	0.00000	0.00000
Al	13.30	0.1178	6.93	0.00000	0.00000
As	17.00	0.0992	41.93	0.00000	0.00000
B	7.21	0.0768	0.72	0.00000	0.00000
Ba	8.14	0.0130	1.76	0.00000	0.00000
Be	8.17	0.0000	754.85	0.00000	0.00000
Ca	149.93	0.4418	0.42	0.00000	0.00000
Cd	10.58	0.0079	4.55	0.00000	0.00000
Ce	15.62	0.0448	36.33	0.00000	0.00000
Co	44.49	0.0688	2.59	0.00000	0.00000
Cr	18.77	0.6588	0.46	0.00000	0.00000
Cu	15.02	0.0221	1.20	0.00000	0.00000
Dy	8.73	0.0017	34.64	0.00000	0.00000
Fe	447.96	)14.413	0.32	0.00000	0.00000
K	28.42	0.1552	41.51	0.00000	0.00000
La	9.84	0.0062	35.25	0.00000	0.00000
Li	6.21	0.0000	1347000	0.00000	0.00000
Mg	34.63	0.1164	0.28	0.00000	0.00000
Mn	13.35	0.0447	0.55	0.00000	0.00000
Mo	6.83	0.0096	54.13	0.00000	0.00000
Na	175.92	87.946	0.20	0.00000	0.00000
Nd	6.58	0.0166	19.25	0.00000	0.00000
Ni	6.34	0.0225	16.88	0.00000	0.00000
P	25.17	)15.456	1.47	0.00000	0.00000
Pb	11.48	0.3042	3.41	0.00000	0.00000
Re	6.34	0.0065	66.21	0.00000	0.00000
Rh	10.92	0.0069	120.01	0.00000	0.00000
Ru	13.01	0.1368	7.06	0.00000	0.00000
Sb	4.96	0.0513	69.28	0.00000	0.00000
Se	10.47	0.1754	36.69	0.00000	0.00000
Si	7.99	0.2490	5.15	0.00000	0.00000
Sr	48.95	0.1958	0.33	0.00000	0.00000
Te	5.78	0.0017	1249.15	0.00000	0.00000
Th	9.63	0.0276	46.15	0.00000	0.00000
Ti	4.98	0.0062	30.55	0.00000	0.00000
Tl	5.70	-0.730	-37.65	0.00000	0.00000

U	40.16	0.7571	7.55	0.00000	0.00000
V	12.31	0.0042	37.75	0.00000	0.00000
Zn	11.94	0.1022	1.00	0.00000	0.00000
Zr	9.06	0.0049	20.82	0.00000	0.00000

more samples [Y/N] ?
Sample name = CH2
Sample number = 1747
Sample code 1 =
Sample code 2 =
Sample code 3 =

Weight =

Press <CR> when ready to start measurement
24;132H6n
Sample name : CH2
Sample number : 1747
Programme : ALLELE 17-Sep-90 21:13:04
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.54000 Al 10.2300 As 61.7100 B 5.55000 Ba 519.000 Be 353.100 Ca 12.9100
Cd 8.75000 Ce 33.8800 Co 66.0500 Cr 6.06000 Cu 403.900 Dy 7.50000 Fe 192.000
K 25.3300 La 8.94000 Li 5.66000 Mg 1616.00 Mn 6.19000 Mo 178.300 Na 23.2500
Nd 5.76000 Ni 60.1900 P 7.77000 Pb 38.8000 Re 5.41000 Rh 33.1200 Ru 9.81000
Sb 17.7600 Se 10.4100 Si 6.63000 Sr 1608.00 Te 24.5600 Th 8.90000 Ti 85.1000
Tl 5.33000 U 62.4900 V 330.000 Zn 393.800 Zr 214.700
[1] Direct Intensities
Ag 6.54000 Al 10.2300 As 61.5900 B 5.56000 Ba 522.800 Be 356.100 Ca 12.9600
Cd 8.69000 Ce 34.0600 Co 66.2800 Cr 6.04000 Cu 407.000 Dy 7.53000 Fe 193.300
K 25.2500 La 8.94000 Li 5.66000 Mg 1628.00 Mn 6.19000 Mo 175.800 Na 23.3400
Nd 5.76000 Ni 60.6000 P 7.74000 Pb 39.0100 Re 5.40000 Rh 33.3200 Ru 9.79000
Sb 17.7400 Se 10.5000 Si 6.63000 Sr 1621.00 Te 24.6500 Th 8.96000 Ti 85.7000
Tl 5.48000 U 62.8000 V 332.000 Zn 397.200 Zr 216.400
[1] Direct Intensities
Ag 6.56000 Al 10.2400 As 61.6500 B 5.59000 Ba 518.700 Be 354.000 Ca 12.9000
Cd 8.68000 Ce 33.9400 Co 66.2900 Cr 6.09000 Cu 403.200 Dy 7.55000 Fe 192.500
K 25.3700 La 8.98000 Li 5.66000 Mg 1622.00 Mn 6.20000 Mo 175.800 Na 23.1700
Nd 5.80000 Ni 60.3800 P 8.10000 Pb 39.0000 Re 5.45000 Rh 33.1200 Ru 9.84000
Sb 17.5800 Se 10.3800 Si 6.66000 Sr 1606.00 Te 24.4900 Th 8.94000 Ti 85.2300
Tl 5.50000 U 62.6800 V 330.200 Zn 395.400 Zr 215.000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.90	0.0957	1.18	0.00000	0.00000
Al	14.40	0.3728	0.50	0.00000	0.00000
As	96.21	10.475	0.12	0.00000	0.00000
B	6.66	0.0406	4.92	0.00000	0.00000
Ba	708.86	10.190	0.44	0.00000	0.00000
Be	543.92	1.0325	0.44	0.00000	0.00000
Ca	15.82	0.0345	0.38	0.00000	0.00000
Cd	11.50	0.0263	5.14	0.00000	0.00000
Ce	46.82	10.139	0.42	0.00000	0.00000
Co	98.54	9.9897	0.42	0.00000	0.00000
Cr	7.40	0.0245	9.68	0.00000	0.00000
Cu	485.26	10.451	0.51	0.00000	0.00000
Dy	9.24	0.0216	5.90	0.00000	0.00000
Fe	315.83	10.090	0.35	0.00000	0.00000

K	28.17	0.0153	261.87	0.00000	0.00000
La	11.26	0.0783	2.89	0.00000	0.00000
Li	6.23	0.0012	0.60	0.00000	0.00000
Mg	2668.30	10.112	0.37	0.00000	0.00000
Mn	7.81	0.0045	1.57	0.00000	0.00000
Mo	321.41	10.266	0.84	0.00000	0.00000
Na	26.66	10.210	0.51	0.00000	0.00000
Nd	6.78	0.1424	9.30	0.00000	0.00000
Ni	103.10	10.076	0.37	0.00000	0.00000
P	10.51	2.0121	12.81	0.00000	0.00000
Pb	64.18	10.081	0.38	0.00000	0.00000
Re	6.54	0.0222	13.68	0.00000	0.00000
Rh	44.54	10.198	0.47	0.00000	0.00000
Ru	12.92	0.1292	2.96	0.00000	0.00000
Sb	27.19	20.621	0.74	0.00000	0.00000
Se	13.45	1.2486	2.83	0.00000	0.00000
Si	8.31	0.3385	2.15	0.00000	0.00000
Sr	2176.96	10.180	0.51	0.00000	0.00000
Te	37.89	10.247	0.43	0.00000	0.00000
Th	11.56	0.9414	2.07	0.00000	0.00000
Ti	135.64	10.137	0.39	0.00000	0.00000
Tl	6.39	3.1102	28.44	0.00000	0.00000
U	80.86	32.488	0.48	0.00000	0.00000
V	524.58	10.110	0.34	0.00000	0.00000
Zn	633.27	10.021	0.44	0.00000	0.00000
Zr	324.65	10.146	0.44	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CH3
Sample number   = 1748
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CH3
Sample number   : 1748
Programme       : ALLELE          17-Sep-90  21:17:32
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.03000 Al 40.5900 As 22.9600 B  111.600 Ba 6.38000 Be 6.93000 Ca 2509.00
Cd 288.000 Ce 12.5300 Co 34.9800 Cr 113.000 Cu 12.6900 Dy 208.700 Fe 6.52000
K  102.940 La 151.400 Li 300.000 Mg 4.49000 Mn 822.000 Mo 5.98000 Na 173.600
Nd 23.9900 Ni 5.58000 P  15.6800 Pb 8.80000 Re 92.9800 Rh 9.57000 Ru 75.5000
Sb 4.41000 Se 26.5800 Si 30.1800 Sr 16.5900 Te 5.56000 Th 23.6300 Ti 4.58000
Tl 6.49000 U  31.9900 V  10.4000 Zn 6.68000 Zr 26.7000
[1] Direct Intensities
Ag 6.17000 Al 41.7100 As 23.7000 B  116.400 Ba 6.50000 Be 7.04000 Ca 2590.00
Cd 306.900 Ce 13.2000 Co 35.9700 Cr 117.300 Cu 13.0800 Dy 214.800 Fe 6.69000
K  105.110 La 157.000 Li 304.300 Mg 4.58300 Mn 866.700 Mo 6.09000 Na 177.300
Nd 24.5700 Ni 5.73000 P  16.2900 Pb 9.12000 Re 97.1800 Rh 9.80000 Ru 79.6500
Sb 4.49000 Se 27.6200 Si 31.4000 Sr 17.0000 Te 5.70000 Th 24.2500 Ti 4.62000
Tl 6.55000 U  32.9400 V  10.8100 Zn 6.89000 Zr 27.6000
[1] Direct Intensities
Ag 6.10000 Al 42.0800 As 23.1100 B  117.800 Ba 6.42000 Be 6.97000 Ca 2627.00
Cd 304.900 Ce 12.9400 Co 35.2800 Cr 119.400 Cu 12.8900 Dy 217.900 Fe 6.57000
```

AIR?

K 106.300 La 158.600 Li 310.700 Mg 4.55000 Mn 868.500 Mo 6.00000 Na 180.100
Nd 24.8300 Ni 5.65000 P 16.1000 Pb 8.37000 Re 97.8900 Rh 9.69000 Ru 79.4700
Sb 4.46000 Se 27.5400 Si 31.5000 Sr 17.0000 Te 5.65000 Th 24.3600 Ti 4.59000
Tl 6.68000 U 32.2900 V 10.6700 Zn 6.73000 Zr 27.7400

NAME	MV	INT	CONCEN	RSD	BCOR	SCOR
Ag	7.30		0.0519	13.21	0.00000	0.00000
Al	57.83	)	10.495	2.40	0.00000	0.00000
As	33.01		2.1965	3.84	0.00000	0.00000
B	167.38	)	10.566	2.95	0.00000	0.00000
Ba	7.56		0.0045	26.96	0.00000	0.00000
Be	9.02		0.0017	9.94	0.00000	0.00000
Ca	3456.68	)	10.484	2.35	0.00000	0.00000
Cd	534.70	)	10.427	3.56	0.00000	0.00000
Ce	16.78		0.4217	20.88	0.00000	0.00000
Co	46.85		0.5022	31.14	0.00000	0.00000
Cr	19[illegible].46	)	10.513	3.29	0.00000	0.00000
Cu	16.[illegible]8		0.0589	3.78	0.00000	0.00000
Dy	279.50	)	10.462	2.26	0.00000	0.00000
Fe	7.96		0.0186	25.45	0.00000	0.00000
K	121.09		52.125	2.14	0.00000	0.00000
La	216.73	)	10.490	2.56	0.00000	0.00000
Li	334.08	)	20.913	1.90	0.00000	0.00000
Mg	5.43		0.0056	5.13	0.00000	0.00000
Mn	1451.47	)	10.480	3.11	0.00000	0.00000
Mo	7.39		0.0439	7.99	0.00000	0.00000
Na	207.29	)	104.28	1.91	0.00000	0.00000
Nd	30.24	)	10.514	2.27	0.00000	0.00000
Ni	7.14		0.1062	1[illegible].87	0.00000	0.00000
P	21.30	)	11.907	3.30	0.00000	0.00000
Pb	12.01		0.4031	13.41	0.00000	0.00000
Re	141.36	)	10.406	2.92	0.00000	0.00000
Rh	12.51		0.4889	9.72	0.00000	0.00000
Ru	130.23	)	10.526	3.39	0.00000	0.00000
Sb	5.17		0.2462	25.26	0.00000	0.00000
Se	39.96	)	10.764	3.[illegible]	0.00000	0.00000
Si	45.02	)	10.572	2.92	0.00000	0.00000
Sr	21.73		0.0681	2.45	0.00000	0.00000
Te	7.21		0.4585	8.00	0.00000	0.00000
Th	32.63	)	10.597	2.37	0.00000	0.00000
Ti	5.50		0.0471	6.13	0.00000	0.00000
Tl	8.34	)	13.932	6.64	0.00000	0.00000
U	41.86		2.0870	23.39	0.00000	0.00000
V	14.59		0.0493	10.55	0.00000	0.00000
Zn	8.85		0.0528	5.33	0.00000	0.00000
Zr	39.76		0.9915	2.55	0.00000	0.00000

More samples [Y/N] ?
Sample name = CH3
Sample number = 1748
Sample code 1 = RERUN
Sample code 2 =
Sample code 3 =
Weight =

Press <CR> when ready to start measurement
24:132H6n
Sample name : CH3

RERUN

E03-084

Sample number : 1748
Sample code 1 : RERUN
Programme : ALLELE 17-Sep-90 21:22:20
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.00000 Al 40.3900 As 22.7600 B 112.200 Ba 6.40000 Be 6.89000 Ca 2494.00
Cd 284.900 Ce 12.8000 Co 34.8200 Cr 112.000 Cu 12.6400 Dy 207.500 Fe 6.52000
K 102.140 La 150.200 Li 298.700 Mg 4.43000 Mn 814.300 Mo 5.88000 Na 172.400
Nd 23.8700 Ni 5.58000 P 14.9800 Pb 8.81000 Re 92.3900 Rh 9.58000 Ru 74.7400
Sb 4.43000 Se 26.0500 Si 29.9600 Sr 16.5000 Te 5.50000 Th 23.5400 Ti 4.55000
Tl 6.46000 U 31.8800 V 10.4400 Zn 6.38000 Zr 26.6400
[1] Direct Intensities
Ag 6.01000 Al 40.5000 As 23.1000 B 113.500 Ba 6.40000 Be 6.88000 Ca 2498.00
Cd 286.600 Ce 12.8600 Co 34.9400 Cr 112.600 Cu 12.6500 Dy 207.900 Fe 6.54000
K 102.290 La 150.700 Li 298.600 Mg 4.43000 Mn 818.000 Mo 5.98000 Na 172.600
Nd 23.9300 Ni 5.58000 P 15.4100 Pb 8.74000 Re 92.8600 Rh 9.54000 Ru 75.1800
Sb 4.41000 Se 26.3500 Si 30.0800 Sr 16.5000 Te 5.54000 Th 23.5500 Ti 4.59000
Tl 6.58000 U 31.9400 V 10.4800 Zn 6.41000 Zr 26.7200
[1] Direct Intensities
Ag 6.04000 Al 40.7400 As 23.1400 B 114.600 Ba 6.38000 Be 6.89000 Ca 2514.00
Cd 288.500 Ce 12.8600 Co 34.9500 Cr 113.300 Cu 12.6600 Dy 209.300 Fe 6.53000
K 102.840 La 151.700 Li 300.500 Mg 4.45000 Mn 823.800 Mo 5.90000 Na 173.800
Nd 24.0200 Ni 5.60000 P 15.1100 Pb 8.84000 Re 93.4700 Rh 9.57000 Ru 75.6500
Sb 4.42000 Se 26.6000 Si 30.2700 Sr 16.5800 Te 5.60000 Th 23.6600 Ti 4.58000
Tl 6.59000 U 31.9800 V 10.5400 Zn 6.44000 Zr 26.8600

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.19	0.0438	4.66	0.00000	0.00000
Al	56.55	10.198	0.57	0.00000	0.00000
As	32.59	2.1411	2.10	0.00000	0.00000
B	164.69	10.390	1.11	0.00000	0.00000
Ba	7.50	0.0037	6.19	0.00000	0.00000
Be	8.88	0.0014	1.24	0.00000	0.00000
Ca	3358.21	10.185	0.42	0.00000	0.00000
Cd	510.86	9.9536	0.65	0.00000	0.00000
Ce	16.57	0.3522	4.56	0.00000	0.00000
Co	46.00	0.3461	6.44	0.00000	0.00000
Cr	187.68	10.079	0.61	0.00000	0.00000
Cu	16.40	0.0526	0.50	0.00000	0.00000
Dy	272.21	10.181	0.47	0.00000	0.00000
Fe	7.85	0.0152	3.57	0.00000	0.00000
K	118.33	50.577	0.48	0.00000	0.00000
La	210.01	10.149	0.53	0.00000	0.00000
Li	327.80	20.415	0.36	0.00000	0.00000
Mg	5.26	0.0049	1.46	0.00000	0.00000
Mn	1393.98	10.063	0.59	0.00000	0.00000
Mo	7.76	0.0377	8.40	0.00000	0.00000
Na	202.51	101.79	0.46	0.00000	0.00000
Nd	29.58	10.224	0.41	0.00000	0.00000
Ni	7.03	0.0941	2.23	0.00000	0.00000
P	20.14	)10.839	2.46	0.00000	0.00000
Pb	11.78	0.3601	4.60	0.00000	0.00000
Re	137.21	10.050	0.62	0.00000	0.00000
Rh	12.34	0.4380	1.96	0.00000	0.00000
Ru	125.06	10.067	0.69	0.00000	0.00000
Sb	5.11	0.1949	7.89	0.00000	0.00000
Se	38.52	10.247	1.52	0.00000	0.00000
Si	43.63	10.185	0.64	0.00000	0.00000

CH3
Rerun

Sr	21.23	0.0658	2.45	0.00000	0.00000
Te	7.06	0.4120	6.32	0.00000	0.00000
Th	31.36	10.280	0.41	0.00000	0.00000
Ti	5.47	0.0446	5.84	0.00000	0.00000
Tl	8.29	)13.647	5.05	0.00000	0.00300
U	41.25	1.6113	3.14	0.00000	0.00000
V	14.33	0.0441	3.59	0.00000	0.00000
Zn	9.27	0.0437	1.76	0.00000	0.00000
Zr	38.80	0.9606	0.56	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1749
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Sample number   : 1749
Programme       : ALLELE          17-Sep-90  21:27:40
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 5.60000 Al 9.10000 As 13.2500 B  6.92000 Ba 6.27000 Be 6.45000 Ca 4.51000
Cd 8.09000 Ce 12.2200 Co 34.1700 Cr 5.89000 Cu 10.6800 Dy 7.15000 Fe 6.23000
K  25.2800 La 7.92000 Li 5.63000 Mg 3.69000 Mn 5.94000 Mo 5.39000 Na 6.50000
Nd 5.56000 Ni 5.09000 P  6.19000 Pb 7.76000 Re 5.26000 Rh 8.55000 Ru 9.08000
Sb 4.34000 Se 8.37000 Si 5.87000 Sr 6.27000 Te 4.76000 Th 7.51000 Ti 4.23000
Tl 5.05000 U  30.6500 V  9.25000 Zn 4.89000 Zr 7.08000
[1] Direct Intensities
Ag 5.58000 Al 9.10000 As 12.8000 B  6.68000 Ba 6.29000 Be 6.44000 Ca 4.45000
Cd 7.99000 Ce 12.2000 Co 34.1800 Cr 5.92000 Cu 10.6900 Dy 7.15000 Fe 6.20000
K  25.2900 La 7.90000 Li 5.67000 Mg 3.65000 Mn 5.87000 Mo 5.43000 Na 6.48000
Nd 5.55000 Ni 5.09000 P  6.20000 Pb 7.69000 Re 5.26000 Rh 8.55000 Ru 9.06000
Sb 4.37000 Se 8.24000 Si 5.90000 Sr 6.18000 Te 4.73000 Th 7.51000 Ti 4.24000
Tl 5.10000 U  30.6600 V  9.15000 Zn 4.85000 Zr 7.08000
[1] Direct Intensities
Ag 5.57000 Al 9.09000 As 13.3500 B  6.48000 Ba 6.27000 Be 6.42000 Ca 4.45000
Cd 8.01000 Ce 12.1900 Co 34.1900 Cr 5.89000 Cu 10.7200 Dy 7.14000 Fe 6.20000
K  25.3000 La 7.92000 Li 5.66000 Mg 3.65000 Mn 5.89000 Mo 5.37000 Na 6.47000
Nd 5.53000 Ni 5.06000 P  6.23000 Pb 7.73000 Re 5.22000 Rh 8.54000 Ru 9.14000
Sb 4.30000 Se 8.16000 Si 5.89000 Sr 6.18000 Te 4.75000 Th 7.52000 Ti 4.23000
Tl 5.20000 U  30.6400 V  9.15000 Zn 4.79000 Zr 7.09000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.62	0.0013	114.56	0.00000	0.00000
Al	12.82	0.0043	43.30	0.00000	0.00000
As	16.34	0.0137	462.59	0.00000	0.00000
B	8.31	0.1487	14.21	0.00000	0.00000
Ba	7.34	0.0014	16.50	0.00000	0.00000
Be	8.19	0.0000	91.65	0.00000	0.00000
Ca	4.47	0.0000	346.44	0.00000	0.00000
Cd	10.29	0.0021	88.19	0.00000	0.00000
Ce	15.65	0.0572	12.39	0.00000	0.00000
Co	44.78	0.1232	2.50	0.00000	0.00000

Cr	7.12	0.0091	17.92	0.00000	0.00000
Cu	14.06	0.0008	69.39	0.00000	0.00000
Dy	8.74	0.0024	12.37	0.00000	0.00000
Fe	7.32	-0.002	-43.30	0.00000	0.00000
K	28.14	-0.002	-299.83	0.00000	0.00000
La	9.81	0.0045	18.23	0.00000	0.00000
Li	6.24	0.0019	37.50	0.00000	0.00000
Mg	3.99	0.0001	138.56	0.00000	0.00000
Mn	7.31	0.0009	49.17	0.00000	0.00000
Mo	6.74	0.0064	28.64	0.00000	0.00000
Na	6.96	-0.051	-18.33	0.00000	0.00000
Nd	6.50	0.0166	50.92	0.00000	0.00000
Ni	6.14	0.0018	173.21	0.00000	0.00000
P	8.32	0.0000	2640400	0.00000	0.00000
Pb	9.92	0.0151	75.25	0.00000	0.00000
Re	6.28	0.0023	115.47	0.00000	0.00000
Rh	10.96	0.0179	13.32	0.00000	0.00000
Ru	11.69	0.0198	32.83	0.00000	0.00000
Sb	4.97	0.0667	81.04	0.00000	0.00000
Se	10.03	0.0199	317.99	0.00000	0.00000
Si	7.18	0.0224	28.64	0.00000	0.00000
Sr	7.29	0.0003	97.43	0.00000	0.00000
Te	5.77	-0.002	-458.25	0.00000	0.00000
Th	9.64	0.0361	10.19	0.00000	0.00000
Ti	4.92	0.0021	34.64	0.00000	0.00000
Tl	5.84	0.0634	1146.13	0.00000	0.00000
U	39.60	0.3216	3.12	0.00000	0.00000
V	12.25	0.0031	57.74	0.00000	0.00000
Zn	5.76	0.0035	36.83	0.00000	0.00000
Zr	9.01	0.0032	0.00	0.00000	0.00000

More samples [Y/N] ? N
>

Base ICP entry template

Verified 9/23/90
TM Longaker

Sample Analysis Date: 09/17/90 SET1-1X

Sample ID:		ICV-1	CH3	CH1	90-1257A5	90-1257A4	90-1257A3
ICP Run #		1698	1699	1700	1701	1702	1703
		OK	OK	OK	OK	OK	OK
(ug/mL)	Ag	0.4647	0.0452	-0.001	-0.004	-0.006	0.1159
	Al	2.1269	9.9617	0.0306	0.0593	0.1072	1.3414
	As	0.3165	2.0618	-0.021	0.029	1.8636	2.1539
	B	0.0319	9.9639	0.0638	0.071	0.2233	0.2835
	Ba	2.0085	0.003	-0.000001	0.0013	2.0344	2.0392
	Be	0.4805	0.0013	0.000001	0.00001	0.0486	0.0477
	Ca	46.607	9.9564	0.0005	0.6165	0.9678	2.6614
	Cd	0.4966	9.9707	0.0006	-0.003	0.0486	0.0603
	Ce	-0.001	0.3111	-0.015	-0.058	-0.075	0.0539
	Co	0.4567	0.2432	-0.04	-0.151	0.3279	0.3703
	Cr	0.52	9.96	0.00	0.00	0.01	2.78
	Cu	0.516	0.0571	-0.000001	0.0077	0.2528	0.411
	Dy	0.0028	9.9608	0.0000	-0.0030	-0.0030	-0.0020
	Fe	1.9822	0.0145	0.0000	0.0276	0.1289	56.6690
	K	50.2840	49.4720	-0.0630	-0.1360	-0.0730	0.9906
	La	0.0058	9.9504	-0.0020	-0.0060	-0.0080	0.0549
	Li	0.0005	19.8310	-0.0010	-0.0030	-0.0020	-0.0020
	Mg	24.3250	0.0054	0.0001	0.1244	0.1579	0.6276
	Mn	0.5059	9.9571	0.0001	0.0009	0.5107	0.6892
(ug/mL)	Mo	0.0024	0.0376	0.0047	0.0029	-0.0040	0.0221
	Na	50.4060	99.3500	0.0039	0.2009	0.7563	362.5500
	Nd	0.0698	9.9540	-0.0090	-0.0290	-0.0390	0.0136
	Ni	0.4861	0.0891	-0.0020	-0.0030	0.5030	0.5482
	P	0.0834	9.8943	-0.0280	0.0807	0.1280	57.5380
	Pb	4.7612	0.3582	-0.0030	-0.0170	0.4802	1.5674
	Re	0.0152	9.9418	0.0010	-0.0010	0.0003	0.0200
	Rh	0.0013	0.4786	-0.0060	-0.0290	-0.0330	-0.0260
	Ru	0.0124	9.9510	-0.0020	-0.0180	-0.0200	0.5155
	Sb	0.4088	0.1155	-0.0890	-0.1200	0.4088	0.4221
	Se	0.1555	10.0100	0.0175	-0.0130	1.2962	1.9451
	Si	0.0816	9.9681	-0.0090	0.1680	0.4732	7.9368
	Sr	0.0144	0.0623	0.0000	0.0022	0.0039	0.6732
	Te	0.0338	0.4413	-0.0060	-0.0120	-0.0160	0.0515
	Th	0.0000	9.9411	-0.0330	-0.0710	-0.0810	-0.0240
	Ti	0.0011	0.0421	0.0000	0.0032	0.0036	0.0284
	Tl	-0.0450	10.6230	-0.1820	-0.4310	1.3165	1.3619
	U	-0.0120	1.4746	-0.1180	-0.4760	-0.5350	2.2306
	V	0.4899	0.0430	0.0000	-0.0030	0.4981	0.4995
	Zn	3.8239	0.0112	0.0007	0.0071	0.5069	0.6988
	Zr	0.0065	0.8949	-0.0010	-0.0010	-0.0010	0.0249

90-1257A2	90-1257A1	CH2	CL1	90-1275A5	90-1275A4	90-1275A3	90-1275A2
1704	1705	1706	1707	1708	1709	1710	1711
OK	OK	OK	OK	—	OK	OK	OK
0.1262	0.1352	0.0927	-0.001	0.0006	0.0	0.1	0.0709
1.4131	1.4744	0.4277	0.0364	0.1713	0.1033	0.7405	0.8697
0.3432	0.3113	9.8444	-0.005	-0.00001	1.73	2.06	0.32
0.2075	0.2438	0.0394	0.0028	0.2946	0.23	0.35	0.36
0.0515	0.0521	9.8902	0.00001	0.004	1.9795	1.9849	0.0464
0.000001	0.0001	0.9834	0.0002	0.0005	0.047	0.0464	0.0002
2.7134	2.625	0.0339	0.0001	0.6678	0.68	2.54	2.59
0.0121	0.0131	0.0151	-0.002	-0.002	0.05	0.06	0.01
0.0677	0.083	9.8382	-0.011	-0.032	-0.046	0.029	0.0277
-0.122	-0.101	9.8229	-0.04	-0.084	0.36	0.42	-0.05
3.03	3.16	0.02	0.00	0.0321	0.0156	3.2488	3.1988
0.1798	0.1875	9.8782	-0.00001	0.0016	0.2459	0.3616	0.1245
-0.0040	-0.0030	0.0205	-0.0010	-0.003	-0.0020	-0.0010	0.0000
61.7540	64.2080	9.8951	0.0013	0.09	0.0860	58.9310	58.1470
1.0434	1.0352	0.0386	-0.0240	-0.024	0.0203	1.3620	1.3357
0.0624	0.0644	0.0688	0.0000	-0.00001	-0.0030	0.0147	0.0140
0.0002	0.0005	0.0023	0.0002	-0.001	0.0000	0.0012	0.0021
0.6769	0.6827	9.8901	0.0001	0.125	0.1334	0.6605	0.6605
0.2135	0.2206	0.0035	0.0001	0.003	0.4952	0.6719	0.1898
0.0172	0.0147	9.4808	0.0003	-0.001	0.0034	0.0197	0.0226
396.3800	410.9400	9.9602	0.0020	1.6978	0.9434	402.6900	395.9900
0.0102	0.0221	0.1158	-0.0100	-0.009	-0.0170	-0.0150	-0.0190
0.0670	0.0708	9.8468	0.0000	0.0019	0.4928	0.5246	0.0525
62.1500	64.4510	0.8011	-0.0640	0.0083	-0.0220	67.0290	67.0900
1.1756	1.2193	9.8167	0.0177	0.0908	0.4709	1.0007	0.5550
0.0223	0.0259	0.0155	0.0023	0.0045	-0.0010	0.0265	0.0262
-0.0300	-0.0290	9.9623	-0.0010	-0.009	-0.0190	-0.0090	-0.0060
0.5709	0.6010	0.1084	-0.0060	-0.01	-0.0140	0.5468	0.5364
-0.0400	-0.0270	20.1920	-0.0090	-0.044	0.4577	0.4977	0.0089
0.7139	0.7885	1.1883	0.0333	0.0063	1.2121	2.0292	0.8171
1.4989	3.0273	0.3135	0.0000	0.2943	0.4081	9.4795	2.2761
0.7356	0.7630	9.8536	0.0000	0.0026	0.0024	0.6519	0.6432
0.0382	0.0559	9.9529	-0.0180	-0.012	0.0044	0.0574	0.0382
-0.0140	-0.0080	0.9019	-0.0330	-0.059	-0.0570	-0.0060	-0.0180
0.0306	0.0320	10.0110	0.0022	0.0068	0.0065	0.0158	0.0155
-0.1820	-0.2950	2.2925	0.0454	-0.00001	1.4073	1.3165	-0.2950
2.4235	2.5915	33.7050	-0.1340	-0.081	-0.3300	2.4452	2.3955
0.0069	0.0077	9.8795	0.0004	-0.001	0.4849	0.4877	0.0065
0.2239	0.2320	9.8206	0.0006	0.0061	0.4949	0.6200	0.1366
0.0170	0.0169	9.8753	0.0017	0.5975	0.0177	0.1433	0.0574

.2934

90-1275A1	CH3	CL1	CH3	CL1	90-1276A5	90-1276A4	90-1276A3
1712	1713	1714	1715	1716	1717	1718	1719
OK	OK	OK	OK	OK	OK	OK	—
0.1	0.0	0.0	0.0	0.0	-0.001	-0.003	0.0023
0.6927	9.7551	-0.012	10.132	0.0088	0.0399	0.1303	0.4648
0.30	1.96	-0.01	2.0788	-0.042	-0.047	1.6766	2.1367
0.32	9.75	0.05	10.15	0.08	0.1436	0.1388	0.3864
0.0425	0.0026	-0.001	0.0036	0.0003	0.003	1.9848	2.0383
0.0001	0.0013	-0.00001	0.0013	0.000001	-0.00001	0.0474	0.0476
2.39	9.76	0.00	10.14	0.00	0.2824	0.3635	2.1174
0.01	9.77	0.00	10.12	0.00	0.0011	0.0487	0.0658
0.0124	0.2793	-0.068	0.3008	-0.012	-0.025	-0.044	0.0179
-0.07	0.19	-0.17	0.25010	-0.02000	-0.034	0.4037	0.4651
3.0036	9.7767	-0.002	10.11	0.0013	0.0132	0.012	3.1047
0.1182	0.0545	-0.003	0.0563	-0.0000001	0.0016	0.2464	0.3309
-0.0010	9.8432	-0.0020	10.1360	-0.0010	-0.005	-0.004	-0.003
54.5990	0.0166	0.0019	0.0086	-0.0010	0.0549	0.0644	68.021
1.2179	48.3350	-0.1640	50.4910	-0.0160	-0.02	-0.027	0.8025
0.0112	9.7646	-0.0060	10.1240	-0.0010	-0.001	-0.004	0.0151
0.0012	19.5530	-0.0030	20.3030	0.0009	-0.00001	-0.002	-0.00001
0.6296	0.0048	0.0000	0.0048	0.0000	0.0583	0.0711	0.5461
0.1788	9.7481	0.0000	10.1100	0.0000	0.0016	0.5009	0.7068
0.0148	0.0287	-0.0060	0.0335	-0.0030	-0.004	-0.004	0.0061
372.2200	97.9320	-0.0300	101.5100	-0.0040	0.2451	0.549	421.38
-0.0090	9.7564	-0.0360	10.1310	-0.0190	-0.012	-0.019	-0.024
0.0487	0.0843	-0.0050	0.0881	-0.0050	-0.002	0.4922	0.573
62.7290	9.7246	-0.1450	9.8806	-0.0670	-0.064	0.0167	68.3
0.5071	0.3422	-0.0130	0.3647	0.0077	0.0077	0.5045	1.8696
0.0204	9.7737	-0.0040	10.1140	-0.0010	-0.003	-0.005	0.0222
-0.0090	0.4497	-0.0310	0.4534	-0.0100	-0.019	-0.029	-0.031
0.4962	9.7238	-0.0220	10.1460	-0.0500	-0.053	-0.059	0.5986
-0.0180	0.1066	-0.0580	0.1509	-0.0340	-0.013	0.4785	0.4699
0.7647	9.8001	-0.0510	10.1500	-0.0160	-0.019	1.2847	2.0418
2.5033	9.7942	-0.0220	10.1000	-0.0060	0.2901	0.3869	4.8131
0.6032	0.0616	0.0000	0.0642	0.0000	0.001	0.0012	0.9418
0.0471	0.3928	-0.0130	0.4139	-0.0130	-0.012	-0.015	0.0539
-0.0310	9.7662	-0.0710	10.1030	-0.0250	-0.025	-0.047	-0.00001
0.0151	0.0374	-0.0040	0.0379	-0.0020	0.0036	0.0039	0.0114
-0.1590	10.3050	-0.5220	11.3020	0.2718	0.906	2.7179	3.6953 2.6953
2.1621	1.2724	-0.5350	1.4447	-0.0590	-0.117	-0.283	2.8124
0.0058	0.0405	-0.0030	0.0429	-0.0010	0.000001	0.4877	0.5006
0.1278	0.0108	0.0000	0.0123	0.0000	0.005	0.4953	0.9374
0.0590	0.8810	-0.0040	0.9191	0.0000	0.0024	-0.001	0.0124

90-1276A1	90-1276A1	CH2	CL1
1720	1721	1722	1723
OK	OK	OK	OK
0.0062	0.0042	0.0916	-0.002
0.4599	0.6135	0.4093	0.0146
0.34	0.36	9.913	0.00
0.3727	0.3275	0.0336	0.0003
0.0571	0.0596	10.02	-0.00001
-0.00001	-0.000001	1.0001	-0.00001
2.07	2.06	0.03	0.00
0.0167	0.016	0.0149	-0.002
0.03	0.03	9.98	-0.04
0.006	0.0273	9.8873	-0.055
3.084	3.1678	0.0178	-0.00001
0.1661	0.0925	10.01	-0.001
-0.0020	-0.0040	0.0172	-0.0020
67.6050	68.4670	9.9822	-0.0010
0.8230	0.8803	-0.0180	-0.1210
0.0158	0.0147	0.0666	-0.0030
0.0009	0.0000	0.0007	-0.0030
0.5410	0.5451	9.9796	0.0001
0.2090	0.2141	0.0031	0.0000
0.0077	0.0067	9.7814	-0.0070
416.1400	420.4600	10.1820	-0.0100
-0.0100	-0.0050	0.1122	-0.0320
0.0842	0.1018	9.9594	-0.0090
67.5840	67.9810	0.8609	-0.0670
1.3488	1.4354	9.8979	-0.0010
0.0216	0.0212	0.0124	-0.0070
-0.0220	-0.0110	9.9776	-0.0250
0.5924	0.5957	0.0719	-0.0520
0.0302	0.0259	20.0380	-0.0130
0.7587	0.7762	1.2018	-0.0080
1.4281	1.1845	0.3045	-0.0080
0.9297	0.9412	10.0150	0.0000
0.0364	0.0437	9.9679	-0.0150
0.0020	0.0156	0.9091	-0.0390
0.0118	0.0121	9.9839	-0.0040
1.4043	0.6115	2.7179	0.8833
2.8063	2.9110	33.7090	-0.1790
0.0068	0.0080	9.9815	-0.0020
0.4778	0.4522	9.9583	0.0000
0.0152	0.0123	10.0010	-0.0010

```
>NORM ALLELE
Result file (<CR> for no storage) = SIMN1
Do you wish to normalise all standards [Y/N] ?

The following standards are used in this programme(s) :
 CL1    CH4     CH3     CH2
Sample name    : CL1

Press <CR> when ready to start measurement
24:132H6n
Sample name    : CL1
Programme      : ALLELE          17-Sep-90  09:55:09
[******] +5 volt power supply out.
[1] Direct Intensities
AG 6.31000 AL 11.1500 AS 15.2600 BG 5.72000 BA 6.97000 BE 7.48000 CA 4.91000
CD 9.29000 CE 14.4000 CO 41.2100 CR 6.58000 CU 12.6700 DY 8.30000 FE 7.12000
K1 27.9700 LA 9.19000 LI 6.13000 MG 4.00000 MN 6.59000 MO 5.56000 NA 6.86000
ND 6.23000 NI 5.73000 P4 7.48000 PB 8.93000 RE 5.81000 RH 9.79000 RU 10.4400
SB 4.67000 SE 9.31000 SI 6.66000 SR 6.96000 TE 5.41000 TH 8.70000 TI 4.65000
TL 5.68000 U  36.9400 V  10.9800 ZN 5.26000 ZR 8.11000
[1] Direct Intensities
AG 6.29000 AL 11.1700 AS 14.7000 BG 5.72000 BA 6.95000 BE 7.43000 CA 4.38000
CD 9.19000 CE 14.4400 CO 41.3300 CR 6.59000 CU 12.6800 DY 8.31000 FE 7.08000
K1 27.9900 LA 9.16000 LI 6.15000 MG 3.97000 MN 6.55000 MO 5.57000 NA 6.86000
ND 6.25000 NI 5.75000 P4 7.32000 PB 8.84000 RE 5.88000 RH 9.81000 RU 10.5300
SB 4.69000 SE 9.35000 SI 6.67000 SR 6.97000 TE 5.43000 TH 8.69000 TI 4.66000
TL 5.61000 U  36.9900 V  10.9900 ZN 5.25000 ZR 8.12000
[1] Direct Intensities
AG 6.33000 AL 11.1800 AS 14.3600 BG 5.68000 BA 6.95000 BE 7.46400 CA 4.87000
CD 9.19000 CE 14.3900 CO 41.3000 CR 6.50000 CU 12.6500 DY 8.30000 FE 7.09000
K1 28.1200 LA 9.15000 LI 6.12000 MG 3.98000 MN 6.57000 MO 5.66000 NA 6.86000
ND 6.26000 NI 5.78000 P4 7.30000 PB 8.93000 RE 5.85000 RH 9.81000 RU 10.4800
SB 4.74000 SE 9.28000 SI 6.67000 SR 7.00000 TE 5.42000 TH 8.68000 TI 4.67000
TL 5.59000 U  36.9300 V  10.9800 ZN 5.25000 ZR 8.13000
```

NAME	MV INT	RSD	SCOR
AG	6.31	0.32	0.00000
AL	11.17	0.14	0.00000
AS	14.80	3.04	0.00000
BG	5.71	0.40	0.00000
BA	6.96	0.17	0.00000
BE	7.47	0.15	0.00000
CA	4.89	0.43	0.00000
CD	9.22	0.63	0.00000
CE	14.41	0.18	0.00000
CO	41.28	0.15	0.00000
CR	6.58	0.09	0.00000
CU	12.67	0.12	0.00000
DY	8.30	0.07	0.00000
FE	7.10	0.29	0.00000
K1	28.03	0.29	0.00000
LA	9.17	0.23	0.00000
LI	6.13	0.25	0.00000
MG	3.98	0.38	0.00000
MN	6.57	0.30	0.00000
MO	5.60	0.98	0.00000
NA	6.86	0.00	0.00000
ND	6.25	0.24	0.00000
NI	5.75	0.44	0.00000

P4	7.39	1.22	0.00000
PB	8.90	0.58	0.00000
PE	5.85	0.60	0.00000
RH	9.80	0.12	0.00000
RU	10.48	0.43	0.00000
SB	4.70	0.77	0.00000
SE	9.31	0.38	0.00000
SI	6.67	0.09	0.00000
SR	6.98	0.22	0.00000
TE	5.42	0.18	0.00000
TH	8.69	0.12	0.00000
TI	4.66	0.21	0.00000
TL	5.63	0.84	0.00000
U	36.95	0.09	0.00000
V	10.93	0.05	0.00000
ZN	5.23	0.55	0.00000
ZR	8.12	0.12	0.00000

Store [N/Y] ? Y

Channel	Old	New	Nominal	Drift
AG	6.04000	6.31000	6.60333	*
AL8	11.6033	11.1667	12.7967	*
AS	14.7633	14.8000	16.2400	*
B04	5.51333	5.70667	6.03667	*
BA02	6.63667	6.95667	7.24667	*
BE	7.41333	7.47333	8.16000	*
CA15	4.23333	4.28667	4.45333	*
CD	9.06000	9.22333	10.1800	*
CE18	13.6833	14.4100	15.4767	*
CO	38.8900	41.2800	44.1133	*
CR21	6.37667	6.58333	6.96000	*
CU	12.2333	12.6667	14.0233	*
DY26	7.96667	8.30333	8.68233	*
FE05	6.69333	7.09667	7.37000	*
K14	26.8800	28.0267	28.1467	*
LA13	8.79000	9.16667	9.71667	*
LI10	5.88667	6.13333	6.21333	*
MG6	3.70667	3.98333	3.96333	*
MN20	6.39667	6.57000	7.18333	*
MO23	5.36667	5.59667	6.54000	*
NA22	6.60333	6.86000	7.06000	*
ND16	5.94667	6.24667	6.46000	*
NI19	5.57000	5.75333	6.12000	*
P4	7.68000	7.38667	8.32000	*
PB	8.82333	8.90000	9.84000	*
RE25	5.72333	5.84667	6.25333	*
RH12	9.45333	9.80333	10.8967	*
RU03	10.2100	10.4833	11.4667	*
SB	4.52000	4.70000	4.90000	*
SE	9.11333	9.31333	9.97667	*
SI7	6.42000	6.66667	7.09667	*
SR17	6.61000	6.98333	7.22900	*
TE01	5.31000	5.42000	5.77333	*
TH	8.25333	8.69000	9.56667	*
TI11	4.46333	4.66000	4.89667	*
TL	5.34333	5.62667	5.82667	*
U	34.8533	36.9533	39.1067	*
V	10.5633	10.9833	12.0933	*

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ZN9      5.16333 5.23333 5.53667   *
ZR24     7.79667 8.12000 8.90667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

 ample name     : CH4

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH4
Programme       : ALLELE          17-Sep-90  09:58:59
[******] +5 volt power supply out.
[1] Direct Intensities
AG 125.700 U  144.100
[1] Direct Intensities
AG 125.900 U  144.400
[1] Direct Intensities
AG 125.400 U  143.800

NAME       MV INT      RSD     BCOR

AG         125.67     0.20  0.00000
U          144.10     0.21  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal Drift
AG       124.800 125.667 141.667   *
U        144.133 144.100 167.467   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name     : CH3

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Programme       : ALLELE          17-Sep-90  10:04:03
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AL 46.0200 B0 125.600 CA 2757.90 CD 361.800 CR 139.500 DY 221.100 K1 110.000
LA 170.800 LI 294.400 MN 1010.80 NA 176.100 ND 25.8400 P4 19.5300 RE 109.000
RU 93.3900 SE 30.2000 SI 34.8300 TH 25.6700 TL 7.18000
[1] Direct Intensities
AL 46.0000 B0 125.700 CA 2754.00 CD 362.000 CR 139.400 DY 220.800 K1 110.100
LA 170.500 LI 294.400 MN 1008.70 NA 176.200 ND 25.7900 P4 19.4000 RE 108.800
RU 93.3600 SE 30.3900 SI 34.8000 TH 25.6200 TL 7.19000
[1] Direct Intensities
AL 46.0000 B0 126.300 CA 2754.00 CD 361.400 CR 139.400 DY 220.900 K1 110.300
LA 170.500 LI 294.100 MN 1009.40 NA 176.000 ND 25.8100 P4 19.1800 RE 109.000
RU 93.7900 SE 30.3800 SI 34.9000 TH 25.6700 TL 7.18000

NAME       MV INT      RSD     BCOR

AL          46.01     0.03  0.00000
B0         125.87     0.30  0.00000
CA        2755.00     0.06  0.00000
CD         361.73     0.08  0.00000
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CR        139.43     0.04  0.00000
DY        220.93     0.07  0.00000
K1        110.13     0.14  0.00000
LA        170.60     0.10  0.00000
LI        294.30     0.06  0.00000
 N       1009.63     0.11  0.00000
NA        176.10     0.06  0.00000
ND         25.81     0.10  0.00000
P4         19.37     0.91  0.00000
RE        108.93     0.11  0.00000
RU         93.51     0.26  0.00000
SE         30.32     0.35  0.00000
SI         34.84     0.15  0.00000
TH         25.65     0.11  0.00000
TL          7.18     0.08  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal  Drift
AL8      45.7267  46.0067  55.7033   *
B04      127.167  125.867  158.733   *
CA15     2771.67  2755.00  3297.33   *
CD       366.867  361.733  513.200   *
CR21     140.700  139.433  186.267   *
DY26     222.533  220.933  367.533   *
K14      108.800  110.133  117.300   *
LA13     171.333  170.600  207.067   *
LI10     292.900  294.300  321.267   *
MN20     1015.60  1009.63  1385.33   *
NA22     175.900  176.100  199.067   *
ND16     25.9867  25.8133  29.0733   *
P4       19.8767  19.3700  19.2233
RE25     110.100  108.933  136.567   *
RU03     94.1000  93.5133  124.300   *
SE       30.9833  30.3233  37.8333   *
SI7      35.0500  34.8433  42.9700   *
TH       25.9100  25.6533  30.7667   *
TL       7.39000  7.18333  7.73667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name     : CH2

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH2
Programme       : ALLELE          17-Sep-90  10:08:40
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AS 72.4600 BA 558.900 BE 412.400 CE 38.4600 CO 80.4800 CU 417.400 FE 232.300
MG 1972.00 MO 203.600 NI 74.8000 PB 48.3300 RH 36.3400 SB 19.7400 SR 1759.00
TE 27.9700 TI 97.2100 V  389.500 ZN 486.100 ZR 248.400
[1] Direct Intensities
AS 74.0000 BA 560.600 BE 413.500 CE 38.5800 CO 83.7000 CU 418.800 FE 233.100
MG 1979.00 MO 205.000 NI 75.1500 PB 48.7000 RH 36.3900 SB 19.8000 SR 1764.00
TE 28.2700 TI 97.4700 V  390.600 ZN 487.300 ZR 249.100
[1] Direct Intensities
AS 74.3000 BA 558.500 BE 412.200 CE 38.5200 CO 80.6700 CU 417.000 FE 232.400
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MG 1975.00 MO 201.400 NI 74.8800 PB 48.5900 RH 36.2900 SB 19.7300 SR 1757.00
TE 28.0000 TI 97.1900 V  389.700 ZN 486.100 ZR 248.500

NAME       MV INT       RSD     BCOR

 S          73.59      1.34  0.00000
BA         559.33      0.20  0.00000
BE         412.70      0.17  0.00000
CE          38.52      0.16  0.00000
CO          80.62      0.15  0.00000
CU         417.73      0.23  0.00000
FE         232.60      0.19  0.00000
MG        1975.33      0.18  0.00000
MO         203.33      0.89  0.00000
NI          74.94      0.24  0.00000
PB          48.54      0.39  0.00000
RH          36.34      0.14  0.00000
SB          19.76      0.19  0.00000
SR        1760.00      0.20  0.00000
TE          28.08      0.59  0.00000
TI          97.29      0.16  0.00000
V          390.00      0.18  0.00000
ZN         486.50      0.14  0.00000
ZR         248.67      0.15  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal  Drift
AS       76.2933  73.5867  92.7400   *
BA02     581.433  559.333  695.800   *
 E       439.533  412.700  527.033   *
 E18     39.0467  38.5200  46.3933   *
CO       80.4000  80.6167  98.5933   *
CU       425.333  417.733  464.933   *
FE05     242.600  232.600  313.067   *
MG6      2050.67  1975.33  2638.67   *
MO23     197.733  203.333  313.267   *
NI19     77.8067  74.9433  102.367   *
PB       50.0200  48.5400  63.7433   *
RH12     36.6233  36.3400  43.8900   *
SB       20.1500  19.7567  26.5967   *
SR17     1840.33  1760.00  2138.67   *
TE01     29.3767  28.0800  37.1200   *
TI11     100.930  97.2900  133.867   *
V        404.067  390.000  519.000   *
ZN9      494.767  486.500  631.933   *
ZR24     258.033  248.667  320.100   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y
>
```

```
 SAMP ALLELE
Result file (<CR> for no storage) = SST1
Sample name     = ICV-1
Sample number   = 1698
Sample code 1   =
 ample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : ICV-1
Sample number   : 1698
Programme       : ALLELE          17-Sep-90  10:12:48
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 11.8400 Al 18.5800 As 16.6500 B  6.16000 Ba 117.600 Be 202.000 Ca 12801.0
Cd 26.6000 Ce 14.4200 Co 43.1400 Cr 13.4700 Cu 33.5900 Dy 8.38000 Fe 51.7500
K  110.500 La 9.27000 Li 6.16000 Mg 4791.00 Mn 57.2900 Mo 5.56000 Na 91.9900
Nd 6.41000 Ni 9.11000 P  7.58000 Pb 27.5700 Re 5.98000 Rh 9.81000 Ru 10.5800
Sb 4.99000 Se 9.57000 Si 6.93000 Sr 9.56000 Te 5.46000 Th 8.70000 Ti 4.69000
Tl 5.59000 U  37.0000 V  29.5200 Zn 189.100 Zr 8.30000
[1] Direct Intensities
Ag 11.8600 Al 18.6000 As 16.7600 B  6.04000 Ba 118.100 Be 202.300 Ca 12831.0
Cd 26.9000 Ce 14.4000 Co 43.1100 Cr 13.4900 Cu 33.5700 Dy 8.39000 Fe 51.8600
K  110.700 La 9.24000 Li 6.13000 Mg 4808.00 Mn 57.4000 Mo 5.68000 Na 92.2300
Nd 6.37000 Ni 9.13000 P  7.37000 Pb 27.9500 Re 6.00000 Rh 9.81000 Ru 10.6400
Sb 5.01000 Se 9.66000 Si 6.88000 Sr 9.49000 Te 5.50000 Th 8.68000 Ti 4.67000
Tl 5.60000 U  36.9100 V  29.5900 Zn 189.600 Zr 8.29000
[1] Direct Intensities
Ag 11.8700 Al 18.5500 As 16.5600 B  6.07000 Ba 118.000 Be 202.200 Ca 12835.0
Cd 26.6900 Ce 14.4000 Co 42.9800 Cr 13.4800 Cu 33.5400 Dy 8.32000 Fe 51.7800
K  110.600 La 9.27000 Li 6.13000 Mg 4799.00 Mn 57.2500 Mo 5.69000 Na 92.2800
Nd 6.37000 Ni 9.11000 P  7.51000 Pb 27.8000 Re 6.03000 Rh 9.80000 Ru 10.5400
Sb 5.02000 Se 9.69000 Si 6.88000 Sr 9.48000 Te 5.53000 Th 8.69000 Ti 4.65000
Tl 5.67000 U  36.9100 V  29.5400 Zn 189.100 Zr 8.24000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	12.88	0.4647	0.28	0.00000	0.00000
Al	21.92	2.1269	0.34	0.00000	0.00000
As	18.66	0.3165	5.39	0.00000	0.00000
B	6.52	0.0319	16.29	0.00000	0.00000
Ba	145.54	2.0035	0.24	0.00000	0.00000
Be	257.46	0.4805	0.09	0.00000	0.00000
Ca	15351.6	)46.607	0.14	0.00000	0.00000
Cd	35.16	0.4966	0.89	0.00000	0.00000
Ce	15.47	-0.001	-346.46	0.00000	0.00000
Co	46.60	0.4567	4.73	0.00000	0.00000
Cr	16.27	0.5191	0.14	0.00000	0.00000
Cu	37.29	0.5160	0.12	0.00000	0.00000
Dy	8.76	0.0028	63.10	0.00000	0.00000
Fe	67.98	1.9822	0.13	0.00000	0.00000
K	117.81	50.284	0.12	0.00000	0.00000
La	9.83	0.0058	18.56	0.00000	0.00000
Li	6.22	0.0005	259.81	0.00000	0.00000
Mg	6412.93	)24.325	0.18	0.00000	0.00000
Mn	76.90	0.5059	0.15	0.00000	0.00000
Mo	6.61	0.0024	155.02	0.00000	0.00000
Na	103.84	50.406	0.18	0.00000	0.00000

Nd	6.62	0.0698	16.90	0.00000	0.00000
Ni	10.80	0.4861	6.34	0.00000	0.00000
P	8.41	0.0834	106.93	0.00000	0.00000
Pb	35.50	4.7612	1.01	0.00000	0.00000
Re	6.45	0.0152	16.06	0.00000	0.00000
h	10.90	0.0013	173.31	0.00000	0.00000
Ru	11.61	0.0124	48.71	0.00000	0.00000
Sb	5.34	0.4068	4.98	0.00000	0.00000
Se	10.41	0.1555	19.12	0.00000	0.00000
Si	7.39	0.0816	12.55	0.00000	0.00000
Sr	10.29	0.0144	1.73	0.00000	0.00000
Te	5.88	0.0338	45.81	0.00000	0.00000
Th	9.57	0.0000	1236300	0.00000	0.00000
Ti	4.91	0.0011	199.98	0.00000	0.00000
Tl	5.82	-0.045	-653.46	0.00000	0.00000
U	39.17	-0.012	-389.85	0.00000	0.00000
V	36.92	0.4899	0.19	0.00000	0.00000
Zn	245.07	3.8239	0.16	0.00000	0.00000
Zr	9.11	0.0065	20.52	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CH3
Sample number   = 1699
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Sample number   : 1699
Programme       : ALLELE          17-Sep-90  10:17:14
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.86000 Al 45.9300 As 26.9700 B  124.800 Ba 7.13000 Be 7.98000 Ca 2749.60
Cd 360.600 Ce 15.1500 Co 42.1900 Cr 139.000 Cu 14.9200 Dy 220.800 Fe 7.42000
K  109.500 La 170.200 Li 292.800 Mg 5.09000 Mn 1006.40 Mo 6.38000 Na 175.500
Nd 25.7500 Ni 6.37000 P  19.0700 Pb 10.3700 Re 108.500 Rh 11.0500 Ru 93.1700
Sb 4.78000 Se 30.4100 Si 34.7900 Sr 17.9600 Te 6.40000 Th 25.6100 Ti 5.06000
Tl 7.23000 U  38.4600 V  12.6000 Zn 5.78000 Zr 29.7000
[1] Direct Intensities
Ag 6.81000 Al 45.9400 As 26.5800 B  125.900 Ba 7.09000 Be 7.99000 Ca 2750.30
Cd 361.500 Ce 15.1400 Co 42.1800 Cr 139.200 Cu 15.0000 Dy 220.500 Fe 7.42000
K  109.500 La 170.100 Li 292.900 Mg 5.06000 Mn 1007.10 Mo 6.30000 Na 175.600
Nd 25.7700 Ni 6.36000 P  19.2300 Pb 10.3000 Re 108.600 Rh 11.0900 Ru 93.2700
Sb 4.78000 Se 30.4700 Si 34.7900 Sr 17.8900 Te 6.43000 Th 25.5600 Ti 5.05000
Tl 7.17000 U  38.4900 V  12.5800 Zn 5.76000 Zr 29.6800
[1] Direct Intensities
Ag 6.88000 Al 45.7500 As 27.1400 B  125.600 Ba 7.14000 Be 8.00000 Ca 2730.00
Cd 360.000 Ce 15.1900 Co 42.3400 Cr 138.600 Cu 15.0200 Dy 219.000 Fe 7.43000
K  108.800 La 169.100 Li 289.900 Mg 5.02000 Mn 1002.50 Mo 6.34000 Na 173.900
Nd 25.6500 Ni 6.38000 P  19.4300 Pb 10.2900 Re 107.900 Rh 11.0800 Ru 92.8800
Sb 4.80000 Se 30.1500 Si 34.6800 Sr 17.8700 Te 6.43000 Th 25.4900 Ti 5.04000
Tl 7.16000 U  38.6500 V  12.6600 Zn 5.78000 Zr 29.5600
```

NAME	MV	INT	CONCEN	RSD	RCOR	SCOR
Ag	7.21		0.0452	6.68	0.00000	0.00000

Al	55.54	9.9617	0.31	0.00000	0.00000
As	31.98	2.0619	2.37	0.00000	0.00000
B	158.18	9.9639	0.47	0.00000	0.00000
Ba	7.45	0.0030	16.20	0.00000	0.00000
Be	8.82	0.0013	1.94	0.00000	0.00000
a	3282.97	9.9564	0.41	0.00000	0.00000
Cd	511.73	9.9707	0.21	0.00000	0.00000
Ce	16.44	0.3111	3.53	0.00000	0.00000
Co	45.44	0.2432	9.37	0.00000	0.00000
Cr	185.59	9.9624	0.23	0.00000	0.00000
Cu	16.60	0.0571	2.29	0.00000	0.00000
Dy	266.52	9.9608	0.46	0.00000	0.00000
Fe	7.83	0.0145	1.77	0.00000	0.00000
K	116.36	49.472	0.50	0.00000	0.00000
La	206.09	9.9504	0.38	0.00000	0.00000
Li	318.61	19.831	0.60	0.00000	0.00000
Mg	5.40	0.0054	3.27	0.00000	0.00000
Mn	1379.43	9.9571	0.25	0.00000	0.00000
Mo	7.69	0.0376	5.38	0.00000	0.00000
Na	197.82	99.350	0.57	0.00000	0.00000
Nd	28.97	9.9540	0.33	0.00000	0.00000
Ni	6.98	0.0891	1.62	0.00000	0.00000
P	19.11	9.8943	1.52	0.00000	0.00000
Pb	11.77	0.3582	3.07	0.00000	0.00000
Re	135.81	9.9419	0.37	0.00000	0.00000
Rh	12.48	0.4786	1.64	0.00000	0.00000
Ru	123.75	9.9510	0.25	0.00000	0.00000
Sb	5.02	0.1155	13.32	0.00000	0.00000
Se	37.86	10.010	0.81	0.00000	0.00000
Si	42.86	9.9681	0.23	0.00000	0.00000
Sr	20.50	0.0623	0.43	0.00000	0.00000
Te	7.16	0.4413	1.73	0.00000	0.00000
Th	30.64	9.9411	0.36	0.00000	0.00000
Ti	5.44	0.0421	2.56	0.00000	0.00000
Tl	7.74	10.623	2.43	0.00000	0.00000
U	41.08	1.4746	6.46	0.00000	0.00000
V	14.27	0.0430	2.55	0.00000	0.00000
Zn	6.24	0.0112	2.14	0.00000	0.00000
Zr	36.76	0.8949	8.35	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1700
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Sample number   : 1700
Programme       : ALLELE          17-Sep-90  10:23:48
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.29000 Al 11.2700 As 14.5400 B  6.58000 Ba 6.94000 Be 7.48000 Ca 5.04000
Cd 9.34000 Ce 14.3800 Co 41.1300 Cr 6.59000 Cu 12.6200 Dy 8.20000 Fe 7.10000
K  27.9200 La 9.14000 Li 6.12000 Mg 4.01000 Mn 6.61000 Mo 5.69000 Na 6.87000
```

```
Nd 6.22000 Ni 5.72000 P  7.25000 Pb 8.89000 Re 5.91000 Rh 9.79000 Ru 10.3900
Sb 4.64000 Se 9.38000 Si 6.65000 Sr 6.96000 Te 5.40000 Th 8.64000 Ti 4.66000
Tl 5.59000 U  36.8000 V  10.9000 Zn 5.20000 Zr 8.10000
[1] Direct Intensities
Ag 6.29000 Al 11.2900 As 14.0000 B  6.50000 Ba 6.97000 Be 7.52000 Ca 5.07000
Cd 9.14000 Ce 14.3900 Co 41.1900 Cr 6.61000 Cu 12.6900 Dy 8.33000 Fe 7.10000
K  27.9600 La 9.19000 Li 6.15000 Mg 3.99000 Mn 6.58000 Mo 5.75000 Na 6.87000
Nd 6.24000 Ni 5.74000 P  7.45000 Pb 8.99000 Re 5.84000 Rh 9.79000 Ru 10.5600
Sb 4.65000 Se 9.28000 Si 6.66000 Sr 6.94000 Te 5.44000 Th 8.66000 Ti 4.65000
Tl 5.58000 U  36.9300 V  10.9600 Zn 5.28000 Zr 8.13000
[1] Direct Intensities
Ag 6.31000 Al 11.2600 As 14.6100 B  6.34000 Ba 6.95000 Be 7.48000 Ca 4.95000
Cd 9.25000 Ce 14.3500 Co 41.0600 Cr 6.55000 Cu 12.6300 Dy 8.29000 Fe 7.09000
K  27.8900 La 9.09000 Li 6.10000 Mg 3.99000 Mn 6.54000 Mo 5.63000 Na 6.86000
Nd 6.23000 Ni 5.75000 P  7.36000 Pb 8.79000 Re 5.82000 Rh 9.78000 Ru 10.4500
Sb 4.61000 Se 9.39000 Si 6.61000 Sr 6.95000 Te 5.38000 Th 8.60000 Ti 4.66000
Tl 5.63000 U  36.7500 V  11.0000 Zn 5.24000 Zr 8.09000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.59	-0.001	-86.60	0.00000	0.00000
Al	12.93	0.0306	14.32	0.00000	0.00000
As	16.08	-0.021	-145.57	0.00000	0.00000
B	7.01	0.0638	15.94	0.00000	0.00000
Ba	7.24	-0.000	-458.21	0.00000	0.00000
Be	8.19	0.0000	115.47	0.00000	0.00000
Ca	4.61	0.0005	46.84	0.00000	0.00000
Cd	10.21	0.0006	-500.85	0.00000	0.00000
Ce	15.43	-0.015	-56.77	0.00000	0.00000
Co	43.90	-0.040	-38.48	0.00000	0.00000
Cr	6.96	0.0000	3858150	0.00000	0.00000
Cu	14.00	-0.000	-189.28	0.00000	0.00000
Dy	8.68	-0.000	-793.48	0.00000	0.00000
Fe	7.39	-0.000	-859150	0.00000	0.00000
K	28.03	-0.063	-33.99	0.00000	0.00000
La	9.68	-0.002	-187.51	0.00000	0.00000
Li	6.20	-0.001	-251.67	0.00000	0.00000
Mg	3.98	0.0001	86.60	0.00000	0.00000
Mn	7.19	0.0001	526.79	0.00000	0.00000
Mo	6.68	0.0047	64.29	0.00000	0.00000
Na	7.07	0.0039	86.60	0.00000	0.00000
Nd	6.44	-0.009	-60.00	0.00000	0.00000
Ni	6.10	-0.002	-91.65	0.00000	0.00000
P	8.29	-0.028	-300.51	0.00000	0.00000
Pb	9.83	-0.003	-999.95	0.00000	0.00000
Re	6.27	0.0010	472.57	0.00000	0.00000
Rh	10.88	-0.006	-34.64	0.00000	0.00000
Ru	11.44	-0.002	-517.29	0.00000	0.00000
Sb	4.80	-0.089	-31.23	0.00000	0.00000
Se	10.03	0.0175	165.90	0.00000	0.00000
Si	7.06	-0.009	-99.21	0.00000	0.00000
Sr	7.18	-0.000	-30.00	0.00000	0.00000
Te	5.75	-0.006	-229.14	0.00000	0.00000
Th	9.50	-0.033	-53.91	0.00000	0.00000
Ti	4.89	-0.000	-173.20	0.00000	0.00000
Tl	5.79	-0.182	-99.20	0.00000	0.00000
U	39.04	-0.118	-73.36	0.00000	0.00000
V	12.09	-0.000	-600.08	0.00000	0.00000
Zn	5.58	0.0007	69.28	0.00000	0.00000
Zr	8.89	-0.001	-156.14	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901257
Sample number   = 1701
 ample code 1   = A5
ample code 2    = DIRECT
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 901257
Sample number   : 1701
Sample code 1   : A5
Sample code 2   : DIRECT
Programme       : ALLELE          17-Sep-90  10:28:21
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.26000 Al 11.3900 As 14.9300 B  6.62000 Ba 7.03000 Be 7.47000 Ca 173.800
Cd 9.19000 Ce 14.2800 Co 40.6500 Cr 6.67000 Cu 12.9700 Dy 8.23000 Fe 7.72000
K  27.7900 La 9.36000 Li 6.08000 Mg 28.0900 Mn 6.65000 Mo 5.64000 Na 7.21000
Nd 6.18000 Ni 5.72000 P  7.60000 Pb 8.84000 Re 5.81000 Rh 9.72000 Ru 10.2600
Sb 4.63000 Se 9.30000 Si 7.14000 Sr 7.40000 Te 5.43000 Th 8.58000 Ti 4.69000
Tl 5.60000 U  36.4100 V  10.9000 Zn 5.59000 Zr 8.09000
[1] Direct Intensities
Ag 6.26000 Al 11.3900 As 15.2100 B  6.58000 Ba 7.05000 Be 7.50000 Ca 174.400
Cd 9.10000 Ce 14.2900 Co 40.7500 Cr 6.63000 Cu 12.9800 Dy 8.24000 Fe 7.74000
K  27.8200 La 9.10000 Li 6.11000 Mg 28.2000 Mn 6.65000 Mo 5.65000 Na 7.20000
Nd 6.20000 Ni 5.75000 P  7.51000 Pb 8.86000 Re 5.89000 Rh 9.74000 Ru 10.3700
Sb 4.61000 Se 9.36000 Si 7.14000 Sr 7.37000 Te 5.36000 Th 8.58000 Ti 4.69000
Tl 5.55000 U  36.4900 V  10.8800 Zn 5.55000 Zr 8.09000
[1] Direct Intensities
Ag 6.25000 Al 11.3400 As 14.7700 B  6.48000 Ba 7.00000 Be 7.48000 Ca 175.100
Cd 9.06000 Ce 14.2400 Co 40.6600 Cr 6.64000 Cu 12.9800 Dy 8.24000 Fe 7.70000
K  27.8000 La 9.06000 Li 6.08000 Mg 29.2300 Mn 6.68000 Mo 5.67000 Na 7.19000
Nd 6.19000 Ni 5.72000 P  7.34000 Pb 8.80000 Re 5.80000 Rh 9.72000 Ru 10.3800
Sb 4.59000 Se 9.20000 Si 7.14000 Sr 7.36000 Te 5.39000 Th 8.55000 Ti 4.69000
Tl 5.54000 U  36.4300 V  10.8000 Zn 5.58000 Zr 8.09000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.54	-0.004	-10.83	0.00000	0.00000
Al	13.05	0.0593	13.97	0.00000	0.00000
As	16.46	0.0290	131.01	0.00000	0.00000
B	7.12	0.0710	8.45	0.00000	0.00000
Ba	7.33	0.0013	35.95	0.00000	0.00000
Be	8.17	0.0000	153.73	0.00000	0.00000
Ca	207.46	0.6165	0.38	0.00000	0.00000
Cd	10.03	-0.003	-62.42	0.00000	0.00000
Ce	15.30	-0.058	-18.90	0.00000	0.00000
Co	43.29	-0.151	-9.28	0.00000	0.00000
Cr	7.05	0.0048	32.87	0.00000	0.00000
Cu	14.37	0.0077	1.86	0.00000	0.00000
Dy	8.60	-0.003	-8.66	0.00000	0.00000
Fe	8.23	0.0276	3.21	0.00000	0.00000
K	27.90	-0.136	-6.84	0.00000	0.00000
La	9.60	-0.006	-24.74	0.00000	0.00000
Li	6.17	-0.003	-39.97	0.00000	0.00000

```
Mg          36.74   0.1244     2.56  0.00000  0.00000
Mn           7.31   0.0009    19.24  0.00000  0.00000
Mo           6.63   0.0029    26.96  0.00000  0.00000
Na           7.45   0.2009     2.94  0.00000  0.00000
Nd           6.39   -0.329   -17.65  0.00000  0.00000
 i           6.09   -0.003   -74.23  0.00000  0.00000
,            8.41   0.0807   136.59  0.00000  0.00000
Pb           9.75   -0.017   -45.83  0.00000  0.00000
Re           6.24   -0.001  -369.98  0.00000  0.00000
Rh          10.80   -0.029   -15.06  0.00000  0.00000
Ru          11.27   -0.018   -45.40  0.00000  0.00000
Sb           4.77   -0.120   -22.22  0.00000  0.00000
Se           9.94   -0.013  -303.09  0.00000  0.00000
Si           7.70   0.1680     0.00  0.00000  0.00000
Sr           7.70   0.0022     5.29  0.00000  0.00000
Te           5.74   -0.012  -131.70  0.00000  0.00000
Th           9.42   -0.071   -14.43  0.00000  0.00000
Ti           4.94   0.0032     0.00  0.00000  0.00000
Tl           5.75   -0.431   -50.75  0.00000  0.00000
U           38.58   -0.476    -8.16  0.00000  0.00000
V           11.93   -0.003   -42.90  0.00000  0.00000
Zn           5.98   0.0071     6.12  0.00000  0.00000
Zr           8.87   -0.001     0.00  0.00000  0.00000


More samples [Y/N] ?
Sample name     = 901257
Sample number   = 1702
Sample code 1   = A4
Sample code 2   = SPIKE
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24:132Hón
Sample name     : 901257
Sample number   : 1702
Sample code 1   : A4
Sample code 2   : SPIKE.
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  10:32:38
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.24000 Al 11.5500 As 25.7500 B  8.40000 Ba 119.100 Be 27.1200 Ca 270.500
Cd 10.9600 Ce 14.1800 Co 42.5400 Cr 6.65000 Cu 22.8900 Dy 8.24000 Fe 10.0000
K  27.9500 La 9.02000 Li 6.10000 Mg 35.0200 Mn 57.6900 Mo 5.58000 Na 8.14000
Nd 6.18000 Ni 9.24000 P  7.50000 Pb 10.8000 Re 5.88000 Rh 9.72000 Ru 10.3600
Sb 5.01000 Se 12.0600 Si 8.00000 Sr 7.70000 Te 5.37000 Th 8.54000 Ti 4.70000
Tl 5.82000 U  36.3500 V  29.8700 Zn 29.5600 Zr 8.09000
[1] Direct Intensities
Ag 6.23000 Al 11.5500 As 25.6000 B  8.39000 Ba 119.400 Be 27.1700 Ca 271.500
Cd 10.8900 Ce 14.2400 Co 42.5400 Cr 6.63000 Cu 22.8900 Dy 8.24000 Fe 10.0000
K  27.8000 La 9.03000 Li 6.11000 Mg 35.1200 Mn 57.8500 Mo 5.50000 Na 8.14000
Nd 6.15000 Ni 9.21000 P  7.58000 Pb 10.8100 Re 5.87000 Rh 9.69000 Ru 10.3000
Sb 4.98000 Se 12.1100 Si 8.00000 Sr 7.66000 Te 5.39000 Th 8.55000 Ti 4.70000
Tl 5.78000 U  36.3400 V  29.8500 Zn 29.6400 Zr 8.08000
[1] Direct Intensities
Ag 6.24000 Al 11.5200 As 25.8500 B  8.38000 Ba 119.500 Be 27.1800 Ca 271.100
Cd 10.9600 Ce 14.2700 Co 42.6300 Cr 6.67000 Cu 22.9400 Dy 8.27000 Fe 10.0100
```

K 27.9700 La 9.06000 Li 6.12000 Mg 35.1700 Mn 57.8400 Mo 5.50000 Na 8.14000
Nd 6.18000 Ni 9.25000 P 7.54000 Pb 10.8000 Re 5.80000 Rh 9.74000 Ru 10.2900
Sb 5.03000 Se 11.9400 Si 8.00000 Sr 7.66000 Te 5.39000 Th 8.57000 Ti 4.68000
Tl 5.86000 U 36.4500 V 29.8700 Zn 29.6800 Zr 8.10000

AME	MV INT	CONCEN	RSD	SCOR	SCOR
Ag	6.52	-0.006	-7.87	0.00000	0.00000
Al	13.26	0.1072	4.64	0.00000	0.00000
As	30.47	1.8636	1.15	0.00000	0.00000
B	9.45	0.2233	0.37	0.00000	0.00000
Ba	147.33	2.0344	0.19	0.00000	0.00000
Be	33.36	0.0486	0.16	0.00000	0.00000
Ca	323.13	0.9678	0.19	0.00000	0.00000
Cd	12.62	0.0486	2.36	0.00000	0.00000
Ce	15.25	-0.075	-25.46	0.00000	0.00000
Co	45.90	0.3279	4.03	0.00000	0.00000
Cr	7.05	0.0050	30.00	0.00000	0.00000
Cu	25.42	0.2528	0.38	0.00000	0.00000
Dy	8.62	-0.003	-32.48	0.00000	0.00000
Fe	11.33	0.1289	0.20	0.00000	0.00000
K	28.02	-0.073	-77.43	0.00000	0.00000
La	9.56	-0.008	-16.01	0.00000	0.00000
Li	6.19	-0.002	-42.86	0.00000	0.00000
Mg	45.56	0.1579	0.25	0.00000	0.00000
Mn	77.56	0.5107	0.17	0.00000	0.00000
Mo	6.43	-0.004	-65.98	0.00000	0.00000
Na	8.51	0.7563	0.00	0.00000	0.00000
Nd	6.37	-0.039	-22.59	0.00000	0.00000
Ni	10.96	0.5030	0.60	0.00000	0.00000
P	8.46	0.1280	26.09	0.00000	0.00000
Pb	12.43	0.4802	0.30	0.00000	0.00000
Re	6.26	0.0003	1307.55	0.00000	0.00000
Rh	10.79	-0.033	-29.04	0.00000	0.00000
Ru	11.24	-0.020	-22.72	0.00000	0.00000
Sb	5.34	0.4088	8.21	0.00000	0.00000
Se	13.59	1.2962	3.21	0.00000	0.00000
Si	8.79	0.4732	0.00	0.00000	0.00000
Sr	8.06	0.0039	3.35	0.00000	0.00000
Te	5.72	-0.016	-31.49	0.00000	0.00000
Th	9.40	-0.081	-11.18	0.00000	0.00000
Ti	4.94	0.0036	34.64	0.00000	0.00000
Tl	6.06	1.3165	20.69	0.00000	0.00000
U	38.50	-0.535	-10.61	0.00000	0.00000
V	37.34	0.4981	0.05	0.00000	0.00000
Zn	37.29	0.5069	0.25	0.00000	0.00000
Zr	8.37	-0.001	-33.33	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901257
Sample number = 1703
Sample code 1 = A3
Sample code 2 = P9655G
Sample code 3 = SPIKE
Weight =

Press <CR> when ready to start measurement
24:132H6n
Sample name : 901257

Sample number : 1703
Sample code 1 : A3
Sample code 2 : P9655G
Sample code 3 : SPIKE
Programme : ALLELE 17-Sep-90 10:37:35
******] +5 volt power supply out.
******] -130 volt power supply out.
[1] Direct Intensities
Ag 7.68000 Al 15.8300 As 27.5900 B 9.07000 Ba 119.400 Be 26.8000 Ca 736.000
Cd 11.4500 Ce 14.5400 Co 42.6800 Cr 43.3900 Cu 29.3000 Dy 8.27000 Fe 1281.00
K 29.6100 La 10.0900 Li 6.14000 Mg 127.400 Mn 75.4300 Mo 5.93000 Na 619.800
Nd 6.26000 Ni 9.53000 P 76.8100 Pb 15.1400 Re 6.08000 Rh 9.72000 Ru 14.8000
Sb 5.06000 Se 13.4000 Si 28.9300 Sr 124.900 Te 5.52000 Th 8.67000 Ti 4.91000
Tl 5.81000 U 39.2900 V 29.8100 Zn 38.6600 Zr 8.71000
[1] Direct Intensities
Ag 7.70000 Al 15.8100 As 27.3300 B 9.13000 Ba 119.400 Be 26.7200 Ca 735.000
Cd 11.2500 Ce 14.5500 Co 42.7700 Cr 43.4800 Cu 29.2800 Dy 8.22000 Fe 1284.00
K 29.6000 La 10.0600 Li 6.10000 Mg 127.500 Mn 75.6500 Mo 6.17000 Na 618.800
Nd 6.28000 Ni 9.55000 P 76.0400 Pb 15.1800 Re 6.04000 Rh 9.75000 Ru 14.7100
Sb 4.98000 Se 13.3100 Si 28.9900 Sr 124.700 Te 5.55000 Th 8.62000 Ti 4.93000
Tl 5.88000 U 39.3700 V 29.8700 Zn 38.8800 Zr 8.71000
[1] Direct Intensities
Ag 7.70000 Al 15.8800 As 27.3900 B 9.14000 Ba 120.000 Be 26.8700 Ca 739.400
Cd 11.3500 Ce 14.5300 Co 42.7600 Cr 43.6500 Cu 29.3600 Dy 8.28000 Fe 1290.00
K 29.7500 La 10.0100 Li 6.09000 Mg 128.200 Mn 76.0100 Mo 6.00000 Na 622.700
Nd 6.28000 Ni 9.56000 P 76.1600 Pb 15.0200 Re 6.04000 Rh 9.73000 Ru 14.7800
Sb 5.01000 Se 13.4900 Si 29.1700 Sr 125.400 Te 5.54000 Th 8.66000 Ti 4.93000
Tl 5.79000 U 39.3700 V 30.0600 Zn 39.0500 Zr 8.74000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	8.17	0.1159	0.83	0.00000	0.00000
Al	18.55	1.3414	0.77	0.00000	0.00000
As	32.68	2.1539	1.08	0.00000	0.00000
B	10.37	0.2835	1.11	0.00000	0.00000
Ba	147.66	2.0392	0.31	0.00000	0.00000
Be	32.90	0.0477	0.39	0.00000	0.00000
Ca	880.82	2.6614	0.32	0.00000	0.00000
Cd	13.21	0.0603	4.70	0.00000	0.00000
Ce	15.64	0.0539	7.69	0.00000	0.00000
Co	46.13	0.3703	3.39	0.00000	0.00000
Cr	56.80	2.7793	0.36	0.00000	0.00000
Cu	32.55	0.4110	0.25	0.00000	0.00000
Dy	8.63	-0.002	-68.88	0.00000	0.00000
Fe	1739.63	)56.669	0.36	0.00000	0.00000
K	29.91	0.9906	5.16	0.00000	0.00000
La	10.80	0.0549	4.56	0.00000	0.00000
Li	6.19	-0.002	-113.39	0.00000	0.00000
Mg	169.31	0.6276	0.35	0.00000	0.00000
Mn	102.16	0.6892	0.42	0.00000	0.00000
Mo	7.22	0.0221	28.27	0.00000	0.00000
Na	703.17	)362.55	0.33	0.00000	0.00000
Nd	6.49	0.0136	43.30	0.00000	0.00000
Ni	11.40	0.5482	0.40	0.00000	0.00000
P	71.06	)57.538	0.60	0.00000	0.00000
Pb	18.29	1.5674	1.34	0.00000	0.00000
Re	6.51	0.0200	11.17	0.00000	0.00000
Rh	10.81	-0.026	-21.82	0.00000	0.00000
Ru	17.28	0.5155	1.10	0.00000	0.00000
Sb	5.36	0.4221	12.76	0.00000	0.00000

Se	15.40	1.9451	2.20	0.00000	0.00000
Si	35.57	7.9368	0.56	0.00000	0.00000
Sr	150.71	0.6732	0.31	0.00000	0.00000
Te	5.93	0.0515	13.09	0.00000	0.00000
Th	9.52	-0.024	-66.15	0.00000	0.00000
i	5.26	0.0284	4.38	0.00000	0.00000
l	6.07	1.3619	23.63	0.00000	0.00000
U	42.05	2.2306	1.93	0.00000	0.00000
V	37.41	0.4995	0.69	0.00000	0.00000
Zn	49.31	0.6988	0.58	0.00000	0.00000
Zr	9.68	0.0249	2.89	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901257
Sample number   = 1704
Sample code 1   = A2
Sample code 2   = 1P0577
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901257
Sample number   : 1704
Sample code 1   : A2
Sample code 2   : 1P0577
Sample code 3   : DIRECT
Programme       : ALLELE            17-Sep-90  10:42:58
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 7.81000 Al 16.0700 As 16.8800 B  8.19000 Ba 9.80000 Be 7.48000 Ca 749.300
Cd 9.63000 Ce 14.5300 Co 40.7000 Cr 46.7400 Cu 19.9100 Dy 8.19000 Fe 1396.00
K  29.7900 La 10.1600 Li 6.12000 Mg 137.000 Mn 27.9300 Mo 5.90000 Na 675.800
Nd 6.25000 Ni 6.23000 P  80.8100 Pb 13.4900 Re 6.08000 Rh 9.73000 Ru 15.1900
Sb 4.65000 Se 10.7900 Si 10.8800 Sr 135.600 Te 5.47000 Th 8.65000 Ti 4.94000
Tl 5.59000 U  39.5100 V  11.2060 Zn 16.0700 Zr 8.52000
[1] Direct Intensities
Ag 7.80000 Al 16.1000 As 16.8900 B  8.21000 Ba 9.81000 Be 7.50000 Ca 749.800
Cd 9.68000 Ce 14.6200 Co 40.9000 Cr 46.8800 Cu 19.9500 Dy 8.22000 Fe 1398.00
K  29.6800 La 10.2000 Li 6.16000 Mg 137.400 Mn 27.9800 Mo 5.93000 Na 676.200
Nd 6.29000 Ni 6.22000 P  82.2900 Pb 13.5900 Re 6.09000 Rh 9.73000 Ru 15.2700
Sb 4.68000 Se 10.8100 Si 10.8900 Sr 135.300 Te 5.50000 Th 8.70000 Ti 4.95000
Tl 5.61000 U  39.6500 V  11.2600 Zn 15.8800 Zr 8.54000
[1] Direct Intensities
Ag 7.84000 Al 16.1000 As 16.6700 B  8.20000 Ba 9.80000 Be 7.48000 Ca 754.200
Cd 9.64000 Ce 14.5700 Co 40.8000 Cr 47.0100 Cu 19.9900 Dy 8.23000 Fe 1405.00
K  29.7500 La 10.1600 Li 6.13000 Mg 137.900 Mn 28.0600 Mo 5.98000 Na 681.100
Nd 6.26000 Ni 6.20000 P  82.4900 Pb 13.6000 Re 6.06000 Rh 9.71000 Ru 15.2100
Sb 4.68000 Se 10.8400 Si 10.9000 Sr 136.400 Te 5.55000 Th 8.65000 Ti 4.94000
Tl 5.60000 U  39.4900 V  11.2800 Zn 16.0800 Zr 8.53000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	8.31	0.1262	1.38	0.00000	0.00000
Al	18.86	1.4131	0.35	0.00000	0.00000
As	18.86	0.3432	6.17	0.00000	0.00000
B	9.21	0.2075	0.40	0.00000	0.00000
Be	10.80	0.0515	6.20	0.00000	0.00000
Ba	8.18	0.3000	56.20	0.00000	0.00000

Ca	877.94	2.7134	0.36	0.00000	0.00000
Cd	18.79	0.0121	5.20	0.00000	0.00000
Ce	15.69	0.0677	27.61	0.00000	0.00000
Co	43.45	-0.122	-20.83	0.00000	0.00000
Cr	61.34	3.0336	0.34	0.00000	0.00000
Cu	32.13	0.1798	0.55	0.00000	0.00000
Dy	9.57	-0.004	-23.13	0.00000	0.00000
Fe	1895.86	)61.754	0.34	0.00000	0.00000
K	30.01	1.0434	3.25	0.00000	0.00000
La	10.95	0.0624	2.29	0.00000	0.00000
Li	6.22	0.0002	624.49	0.00000	0.00000
Mg	182.32	0.6769	0.34	0.00000	0.00000
Mn	36.61	0.2135	0.31	0.00000	0.00000
Mo	7.07	0.0172	11.89	0.00000	0.00000
Na	768.14	)396.38	0.44	0.00000	0.00000
Nd	6.48	0.0102	104.09	0.00000	0.00000
Ni	6.76	0.0670	3.30	0.00000	0.00000
P	76.08	)62.150	1.23	0.00000	0.00000
Pb	16.18	1.1756	1.31	0.00000	0.00000
Re	6.54	0.0223	6.64	0.00000	0.00000
Rh	10.80	-0.030	-14.43	0.00000	0.00000
Ru	17.91	0.5709	0.88	0.00000	0.00000
Sb	4.86	-0.040	-57.73	0.00000	0.00000
Se	11.97	0.7139	1.68	0.00000	0.00000
Si	12.47	1.4989	0.24	0.00000	0.00000
Sr	164.01	0.7356	0.32	0.00000	0.00000
Te	5.89	0.0382	46.63	0.00000	0.00000
Th	9.54	-0.014	-123.72	0.00000	0.00000
Ti	5.29	0.0306	2.04	0.00000	0.00000
Tl	5.79	-0.182	-37.50	0.00000	0.00000
U	42.30	2.4235	3.36	0.00000	0.00000
V	12.45	0.0069	16.81	0.00000	0.00000
Zn	19.56	0.2239	1.05	0.00000	0.00000
Zr	9.44	0.0170	2.44	0.00000	0.00000

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More samples [Y/N] ?
Sample name     = 901257
Sample number   = 1705
Sample code 1   = A1
Sample code 2   = 1P0997
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901257
Sample number   : 1705
Sample code 1   : A1
Sample code 2   : 1P0997
Sample code 3   : DIRECT
Programme       : ALLELE            17-Sep-90  10:47:27
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 7.92000 Al 16.2900 As 16.5300 B  8.59000 Ba 9.80000 Be 7.49000 Ca 725.400
Cd 9.69000 Ce 14.5300 Co 40.7500 Cr 48.2500 Cu 20.2400 Dy 8.23000 Fe 1448.00
K  29.6900 La 10.1400 Li 6.11000 Mg 137.900 Mn 28.5900 Mo 5.92000 Na 701.200
Nd 6.28000 Ni 6.24000 P  84.7600 Pb 13.6800 Re 6.11000 Rh 9.69000 Ru 15.4000
Sb 4.66000 Se 10.8700 Si 15.1300 Sr 140.300 Te 5.52000 Th 8.64000 Ti 4.96000
```

Tl 5.58000 U 39.5800 V 11.2500 Zn 16.2800 Zr 8.50000
[1] Direct Intensities
Ag 7.90000 Al 16.2900 As 16.8100 B 8.67000 Ba 9.83000 Be 7.51000 Ca 725.700
Cd 9.69000 Ce 14.6600 Co 40.9700 Cr 48.5400 Cu 20.2300 Dy 8.27000 Fe 1455.00
K 29.7100 La 10.2300 Li 6.16000 Mg 138.600 Mn 28.6900 Mo 5.88000 Na 699.800
Nd 6.28000 Ni 6.24000 P 83.8400 Pb 13.7600 Re 6.13000 Rh 9.75000 Ru 15.4400
Sb 4.70000 Se 10.9800 Si 15.1900 Sr 140.600 Te 5.55000 Th 8.69000 Ti 4.95000
Tl 5.57000 U 39.8100 V 11.2400 Zn 16.4100 Zr 8.55000
[1] Direct Intensities
Ag 7.95000 Al 16.3300 As 16.5400 B 8.65000 Ba 9.87000 Be 7.50000 Ca 729.300
Cd 9.68000 Ce 14.6400 Co 40.9300 Cr 48.7200 Cu 20.3200 Dy 8.25000 Fe 1462.00
K 29.7800 La 10.2500 Li 6.15000 Mg 139.200 Mn 28.8100 Mo 5.86000 Na 706.000
Nd 6.31000 Ni 6.25000 P 85.2600 Pb 13.7600 Re 6.10000 Rh 9.74000 Ru 15.5800
Sb 4.68000 Se 11.0600 Si 15.2700 Sr 141.300 Te 5.57000 Th 8.70000 Ti 4.96000
Tl 5.60000 U 39.8000 V 11.3400 Zn 16.5000 Zr 8.53000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	8.43	0.1352	1.56	0.00000	0.00000
Al	19.12	1.4744	0.45	0.00000	0.00000
As	18.62	0.3113	8.70	0.00000	0.00000
B	9.76	0.2438	1.42	0.00000	0.00000
Ba	10.83	0.0521	1.22	0.00000	0.00000
Be	8.19	0.0001	37.50	0.00000	0.00000
Ca	868.84	2.6250	0.30	0.00000	0.00000
Cd	10.84	0.0131	1.25	0.00000	0.00000
Ce	15.73	0.0830	35.00	0.00000	0.00000
Co	43.56	-0.101	-29.54	0.00000	0.00000
Cr	63.54	3.1554	0.57	0.00000	0.00000
Cu	22.48	0.1875	0.65	0.00000	0.00000
Dy	8.62	-0.003	-37.50	0.00000	0.00000
Fe	1970.07	)64.208	0.48	0.00000	0.00000
K	29.99	1.0352	2.76	0.00000	0.00000
La	10.99	0.0644	5.63	0.00000	0.00000
Li	6.22	0.0005	396.88	0.00000	0.00000
Mg	183.23	0.6827	0.48	0.00000	0.00000
Mn	37.58	0.2206	0.50	0.00000	0.00000
Mo	6.99	0.0147	10.53	0.00000	0.00000
Na	796.09	)410.94	0.47	0.00000	0.00000
Nd	6.51	0.0221	39.97	0.00000	0.00000
Ni	6.80	0.0708	1.18	0.00000	0.00000
P	78.59	)64.451	0.93	0.00000	0.00000
Pb	16.41	1.2193	0.96	0.00000	0.00000
Re	6.59	0.0259	5.73	0.00000	0.00000
Rh	10.80	-0.029	-41.93	0.00000	0.00000
Ru	18.25	0.6010	1.89	0.00000	0.00000
Sb	4.87	-0.027	-100.00	0.00000	0.00000
Se	12.17	0.7685	5.76	0.00000	0.00000
Si	17.96	3.0273	0.82	0.00000	0.00000
Sr	169.84	0.7630	0.38	0.00000	0.00000
Te	5.95	0.0559	19.87	0.00000	0.00000
Th	9.55	-0.008	-241.10	0.00000	0.00000
Ti	5.31	0.0320	1.95	0.00000	0.00000
Tl	5.77	-0.295	-35.25	0.00000	0.00000
U	42.51	2.5915	4.69	0.00000	0.00000
V	12.49	0.0077	18.78	0.00000	0.00000
Zn	20.07	0.2320	0.99	0.00000	0.00000
Zr	9.43	0.0169	6.19	0.00000	0.00000

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More samples [Y/N] ?
Sample name     = CH2
Sample number   = 1706
Sample code 1   =
Sample code 2   =
 ample code 3   =

Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH2
Sample number   : 1706
Programme       : ALLELE          17-Sep-90  10:52:52
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 7.40000 Al 12.6400 As 72.3100 B  6.18000 Ba 553.000 Be 405.100 Ca 14.1700
Cd 9.78000 Ce 38.0800 Co 79.6100 Cr 6.83000 Cu 412.400 Dy 8.73000 Fe 229.600
K  27.9300 La 10.2700 Li 6.15000 Mg 1948.00 Mn 6.94000 Mo 192.600 Na 23.7300
Nd 6.43000 Ni 73.6200 P  8.37000 Pb 47.7500 Re 5.98000 Rh 36.1600 Ru 11.3500
Sb 19.7300 Se 11.7800 Si 7.52000 Sr 1734.00 Te 27.9400 Th 10.1700 Ti 97.2400
Tl 5.94000 U  72.8800 V  384.600 Zn 476.200 Zr 245.300
[1] Direct Intensities
Ag 7.44000 Al 12.6700 As 72.3600 B  6.19000 Ba 552.800 Be 405.700 Ca 14.2400
Cd 9.80000 Ce 38.1500 Co 80.0100 Cr 6.90000 Cu 412.200 Dy 8.75000 Fe 230.400
K  28.2500 La 10.2800 Li 6.17000 Mg 1954.00 Mn 6.90000 Mo 192.600 Na 23.6700
Nd 6.49000 Ni 73.9400 P  8.39000 Pb 47.8200 Re 6.01000 Rh 36.2400 Ru 11.4100
Sb 19.9300 Se 11.8800 Si 7.55000 Sr 1733.00 Te 27.9600 Th 10.2400 Ti 97.3400
Tl 5.97000 U  73.1800 V  385.500 Zn 477.800 Zr 245.500
[1] Direct Intensities
Ag 7.41000 Al 12.6600 As 73.0000 B  6.17000 Ba 554.000 Be 407.100 Ca 14.2500
Cd 9.69000 Ce 38.1600 Co 80.1400 Cr 6.86000 Cu 413.800 Dy 8.74000 Fe 230.700
K  28.0900 La 10.2800 Li 6.18000 Mg 1959.00 Mn 6.92000 Mo 194.000 Na 23.7500
Nd 6.50000 Ni 74.0900 P  8.28000 Pb 47.8700 Re 6.03000 Rh 36.3200 Ru 11.3900
Sb 19.8800 Se 11.7700 Si 7.58000 Sr 1736.00 Te 28.0200 Th 10.2500 Ti 97.5900
Tl 5.98000 U  73.1400 V  386.200 Zn 479.600 Zr 246.200
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.86	0.0927	1.88	0.00000	0.00000
Al	14.63	0.4277	1.03	0.00000	0.00000
As	91.40	9.8444	0.67	0.00000	0.00000
B	6.64	0.0394	2.11	0.00000	0.00000
Ba	688.24	9.8902	0.12	0.00000	0.00000
Be	518.41	0.9834	0.26	0.00000	0.00000
Ca	15.63	0.0339	0.47	0.00000	0.00000
Cd	10.94	0.0151	10.99	0.00000	0.00000
Ce	45.89	9.8382	0.18	0.00000	0.00000
Co	97.63	9.8229	0.71	0.00000	0.00000
Cr	7.34	0.0211	12.54	0.00000	0.00000
Cu	459.44	9.8782	0.22	0.00000	0.00000
Dy	9.21	0.0205	2.29	0.00000	0.00000
Fe	309.86	9.8951	0.25	0.00000	0.00000
K	28.22	0.0386	252.63	0.00000	0.00000
La	11.07	0.0688	0.52	0.00000	0.00000
Li	6.25	0.0023	45.83	0.00000	0.00000
Mg	2609.71	9.8901	0.28	0.00000	0.00000
Mn	7.66	0.0035	5.71	0.00000	0.00000
Mo	297.34	9.4808	0.43	0.00000	0.00000

Na	26.18	9.9602	0.25	0.00000	0.00000
Nd	6.72	0.1158	16.70	0.00000	0.00000
Ni	100.89	9.8468	0.35	0.00000	0.00000
P	9.19	0.8011	6.10	0.00000	0.00000
Pb	62.76	9.8167	0.15	0.00000	0.00000
e	6.46	0.0155	15.73	0.00000	0.00000
Rh	43.77	9.9623	0.30	0.00000	0.00000
Ru	12.69	0.1084	3.39	0.00000	0.00000
Sb	26.73	20.192	0.69	0.00000	0.00000
Se	13.29	1.1883	2.44	0.00000	0.00000
Si	8.22	0.3135	3.40	0.00000	0.00000
Sr	2107.46	9.8536	0.09	0.00000	0.00000
Te	36.97	9.9529	0.18	0.00000	0.00000
Th	11.48	0.9019	2.85	0.00000	0.00000
Ti	134.01	10.011	0.19	0.00000	0.00000
Tl	6.24	2.2925	6.18	0.00000	0.00000
U	82.42	33.705	0.45	0.00000	0.00000
V	512.89	9.8795	0.21	0.00000	0.00000
Zn	620.70	9.8206	0.36	0.00000	0.00000
Zr	316.22	9.8753	0.20	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1707
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Sample number   : 1707
Programme       : ALLELE          17-Sep-90  11:00:57
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.31000 Al 11.2800 As 14.8800 B  5.78000 Ba 6.96000 Be 7.54000 Ca 4.89000
Cd 9.18000 Ce 14.3900 Co 41.1100 Cr 6.60000 Cu 12.6600 Dy 8.29000 Fe 7.14000
K  27.8500 La 9.17000 Li 6.14000 Mg 3.99000 Mn 6.57000 Mo 5.65000 Na 6.87000
Nd 6.23000 Ni 5.74000 P  7.18000 Pb 8.97000 Re 5.90000 Rh 9.80000 Ru 10.4100
Sb 4.73000 Se 9.48000 Si 6.68000 Sr 7.00000 Te 5.34000 Th 8.61000 Ti 4.68000
Tl 5.63000 U  36.8200 V  10.9900 Zn 5.26000 Zr 8.18000
[1] Direct Intensities
Ag 6.29000 Al 11.3100 As 14.4300 B  5.74000 Ba 6.97000 Be 7.52000 Ca 4.92000
Cd 9.23000 Ce 14.3800 Co 41.1200 Cr 6.59000 Cu 12.6700 Dy 8.26000 Fe 7.13000
K  28.1600 La 9.14000 Li 6.14000 Mg 3.99000 Mn 6.60000 Mo 5.62000 Na 6.88000
Nd 6.20000 Ni 5.74000 P  7.24000 Pb 8.99000 Re 5.90000 Rh 9.80000 Ru 10.4000
Sb 4.68000 Se 9.39000 Si 6.65000 Sr 6.96000 Te 5.39000 Th 8.64000 Ti 4.68000
Tl 5.64000 U  36.8000 V  10.9800 Zn 5.27000 Zr 8.16000
[1] Direct Intensities
Ag 6.30000 Al 11.2900 As 15.0000 B  5.70000 Ba 6.94000 Be 7.55000 Ca 4.96000
Cd 9.09000 Ce 14.3800 Co 41.1400 Cr 6.61000 Cu 12.6500 Dy 8.28000 Fe 7.11000
K  27.9500 La 9.17000 Li 6.13000 Mg 4.00000 Mn 6.58000 Mo 5.54000 Na 6.84000
Nd 6.25000 Ni 5.77000 P  7.51000 Pb 8.95000 Re 5.81000 Rh 9.80000 Ru 10.5000
Sb 4.67000 Se 9.28000 Si 6.67000 Sr 6.99000 Te 5.41000 Th 8.65000 Ti 4.68000
Tl 5.63000 U  36.8100 V  11.0200 Zn 5.26000 Zr 8.14000

NAME      MV INT  . CONCEN      RSD      BCOR      SCOR
```

Ag	6.59	-0.001	-100.00	0.00000	0.00000
Al	12.95	0.0364	12.06	0.00000	0.00000
As	16.20	-0.005	-1001.6	0.00000	0.00000
B	6.08	0.0028	120.00	0.00000	0.00000
Ba	7.25	0.0000		0.00000	0.00000
Be	8.24	0.0002	24.12	0.00000	0.00000
Ca	4.50	0.0001	95.78	0.00000	0.00000
Cd	10.10	-0.002	-125.20	0.00000	0.00000
Ce	15.44	-0.011	-21.65	0.00000	0.00000
Co	43.90	-0.040	-9.75	0.00000	0.00000
Cr	6.98	0.0013	60.00	0.00000	0.00000
Cu	14.02	-0.000	-149.96	0.00000	0.00000
Dy	8.65	-0.001	-57.28	0.00000	0.00000
Fe	7.43	0.0013	50.92	0.00000	0.00000
K	28.10	-0.024	-395.56	0.00000	0.00000
La	9.71	-0.000	-259.90	0.00000	0.00000
Li	6.22	0.0002	173.21	0.00000	0.00000
Mg	3.98	0.0001	57.73	0.00000	0.00000
Mn	7.20	0.0001	114.57	0.00000	0.00000
Mo	6.55	0.0003	852.85	0.00000	0.00000
Na	7.06	0.0020	624.51	0.00000	0.00000
Nd	6.44	-0.010	-125.82	0.00000	0.00000
Ni	6.12	-0.000	-519.54	0.00000	0.00000
P	8.25	-0.064	-229.29	0.00000	0.00000
Pb	9.94	0.0177	28.57	0.00000	0.00000
Re	6.28	0.0023	222.69	0.00000	0.00000
Rh	10.89	-0.001	0.00	0.00000	0.00000
Ru	11.40	-0.006	-118.02	0.00000	0.00000
Sb	4.89	-0.009	-482.14	0.00000	0.00000
Se	10.07	0.0333	143.10	0.00000	0.00000
Si	7.10	-0.000	*******	0.00000	0.00000
Sr	7.22	0.0000		0.00000	0.00000
Te	5.72	-0.018	-90.14	0.00000	0.00000
Th	9.50	-0.033	-36.73	0.00000	0.00000
Ti	4.92	0.0022	0.00	0.00000	0.00000
Tl	5.83	0.0454	86.66	0.00000	0.00000
U	39.02	-0.134	-6.98	0.00000	0.00000
V	12.11	0.0004	156.12	0.00000	0.00000
Zn	5.58	0.0006	19.24	0.00000	0.00000
Zr	8.96	0.0017	50.00	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901275
Sample number   = 1708
Sample code 1   = A5
Sample code 2   = DIRECT
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 901275
Sample number   : 1708
Sample code 1   : A5
Sample code 2   : DIRECT
Programme       : ALLELE          17-Sep-90  11:06:44
[******] +5 volt power supply out.
[4] Direct Intensities
```

```
Ag 6.32000 Al 11.7500 As 15.0000 B  9.15000 Ba 7.15000 Be 7.65000 Ca 183.500
Cd 9.12000 Ce 14.2600 Co 40.7600 Cr 7.00000 Cu 12.7100 Dy 8.20000 Fe 9.09000
K  27.9700 La 9.10000 Li 6.12000 Mg 28.5700 Mn 6.38000 Mo 5.50000 Na 9.69000
Nd 6.19000 Ni 5.75000 P  7.31000 Pb 9.15000 Re 5.87000 Rh 9.76000 Ru 10.4000
Sb 4.69000 Se 9.36000 Si 7.48000 Sr 7.39000 Te 5.39000 Th 8.59000 Ti 4.74000
   5.60000 U  36.7000 V  10.9200 Zn 5.50000 Zr 22.4800
[1] Direct Intensities
Ag 6.33000 Al 11.7700 As 14.6000 B  9.28000 Ba 7.20000 Be 7.70000 Ca 187.500
Cd 9.19000 Ce 14.3800 Co 41.0600 Cr 7.03000 Cu 12.7300 Dy 8.28000 Fe 9.15000
K  28.0000 La 9.22000 Li 6.11000 Mg 28.5300 Mn 6.88000 Mo 5.59000 Na 9.74000
Nd 6.26000 Ni 5.79000 P  7.49000 Pb 9.39000 Re 5.94000 Rh 9.80000 Ru 10.3900
Sb 4.66000 Se 9.33000 Si 7.50000 Sr 7.47000 Te 5.42000 Th 8.60000 Ti 4.73000
Tl 5.64000 U  37.0100 V  11.0100 Zn 5.54000 Zr 22.4200
[1] Direct Intensities
Ag 6.30000 Al 11.7700 As 14.8000 B  9.31000 Ba 7.18000 Be 7.69000 Ca 189.600
Cd 9.14000 Ce 14.3600 Co 41.0300 Cr 7.00000 Cu 12.7500 Dy 8.26000 Fe 9.14000
K  27.9900 La 9.17000 Li 6.11000 Mg 28.7800 Mn 6.86000 Mo 5.65000 Na 9.77000
Nd 6.24000 Ni 5.76000 P  7.39000 Pb 9.24000 Re 5.87000 Rh 9.78000 Ru 10.4000
Sb 4.65000 Se 9.35000 Si 7.50000 Sr 7.46000 Te 5.37000 Th 8.58000 Ti 4.70000
Tl 5.64000 U  36.8900 V  10.9600 Zn 5.54000 Zr 22.5800
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.61	0.0006	229.13	0.00000	0.00000
Al	13.53	0.1713	1.94	0.00000	0.00000
As	16.24	-0.000	*******	0.00000	0.00000
B	10.54	0.2946	2.40	0.00000	0.00000
Ba	7.52	0.0040	11.44	0.00000	0.00000
Be	8.42	0.0005	12.80	0.00000	0.00000
Ca	224.34	0.6678	0.57	0.00000	0.00000
Cd	10.08	-0.002	-49.17	0.00000	0.00000
Ce	15.38	-0.032	-83.86	0.00000	0.00000
Co	43.66	-0.084	-50.07	0.00000	0.00000
Cr	7.54	0.0321	4.06	0.00000	0.00000
Cu	14.09	0.0016	31.58	0.00000	0.00000
Dy	8.61	-0.003	-73.47	0.00000	0.00000
Fe	10.14	0.0900	1.58	0.00000	0.00000
K	28.10	-0.024	-38.19	0.00000	0.00000
La	9.71	-0.000	-1809.2	0.00000	0.00000
Li	6.19	-0.001	-28.87	0.00000	0.00000
Mg	36.90	0.1250	0.54	0.00000	0.00000
Mn	7.60	0.0030	2.81	0.00000	0.00000
Mo	6.51	-0.001	-452.99	0.00000	0.00000
Na	10.32	1.6973	1.41	0.00000	0.00000
Nd	6.44	-0.009	-216.31	0.00000	0.00000
Ni	6.14	0.0019	156.12	0.00000	0.00000
P	8.33	0.0083	901.83	0.00000	0.00000
Pb	10.33	0.0908	33.69	0.00000	0.00000
Re	6.31	0.0045	86.60	0.00000	0.00000
Rh	10.37	-0.009	-85.71	0.00000	0.00000
Ru	11.35	-0.010	-6.66	0.00000	0.00000
Sb	4.85	-0.044	-62.45	0.00000	0.00000
Se	9.99	0.0063	138.76	0.00000	0.00000
Si	8.15	0.2934	1.40	0.00000	0.00000
Sr	7.78	0.0026	9.55	0.00000	0.00000
Te	5.74	-0.012	-94.37	0.00000	0.00000
Th	9.44	-0.059	-16.00	0.00000	0.00000
Ti	4.98	0.0068	32.87	0.00000	0.00000
Tl	5.83	-0.000	-598914	0.00000	0.00000
U*	39.08	-0.081	-130.36	0.00000	0.00000

```
V          12.07   -0.001  -225.46  0.00000  0.00000
Zn          5.92   0.0061     7.27  0.00000  0.00000
Zr         27.50   0.5975     0.56  0.00000  0.00000


 ore samples [Y/N] ?
Sample name     = 901275
Sample number   = 1709
Sample code 1   = A4
Sample code 2   = SPIKE
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 901275
Sample number   : 1709
Sample code 1   : A4
Sample code 2   : SPIKE
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  11:14:14
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.25000 Al 11.5100 As 25.3400 B  8.41000 Ba 116.300 Be 26.5100 Ca 192.300
Cd 10.9500 Ce 14.2400 Co 42.5000 Cr 6.76000 Cu 22.5800 Dy 8.24000 Fe 8.99000
K  27.9000 La 9.09000 Li 6.13000 Mg 30.2400 Mn 56.1000 Mo 5.63000 Na 8.44000
Nd 6.19000 Ni 9.11000 P  7.37000 Pb 10.7000 Re 5.84000 Rh 9.72000 Ru 10.3300
Sb 5.08000 Se 11.8100 Si 7.80000 Sr 7.34000 Te 5.38000 Th 8.60000 Ti 4.70000
Tl 5.79000 U  36.4000 V  29.2500 Zn 28.9500 Zr 8.52000
[1] Direct Intensities
Ag 6.30000 Al 11.5200 As 24.9000 B  8.45000 Ba 116.200 Be 26.4900 Ca 191.800
Cd 11.0900 Ce 14.3400 Co 42.7600 Cr 6.80000 Cu 22.6400 Dy 8.27000 Fe 9.08000
K  28.0000 La 9.11000 Li 6.12000 Mg 30.2600 Mn 56.2400 Mo 5.67000 Na 8.45000
Nd 6.23000 Ni 9.18000 P  7.41000 Pb 10.8000 Re 5.80000 Rh 9.75000 Ru 10.4000
Sb 5.01000 Se 11.8800 Si 7.80000 Sr 7.41000 Te 5.48000 Th 8.58000 Ti 4.72000
Tl 5.83000 U  36.6600 V  29.3500 Zn 29.1400 Zr 8.54000
[1] Direct Intensities
Ag 6.33000 Al 11.5500 As 24.6600 B  8.51000 Ba 116.400 Be 26.5900 Ca 192.300
Cd 11.0000 Ce 14.3200 Co 42.8800 Cr 6.81000 Cu 22.6600 Dy 8.28000 Fe 9.04000
K  28.2800 La 9.14000 Li 6.15000 Mg 30.3500 Mn 56.4000 Mo 5.69000 Na 8.48000
Nd 6.22000 Ni 9.20000 P  7.30000 Pb 10.8000 Re 5.88000 Rh 9.79000 Ru 10.3000
Sb 5.04000 Se 11.8900 Si 7.85000 Sr 7.45000 Te 5.43000 Th 8.60000 Ti 4.74000
Tl 5.88000 U  36.7400 V  29.4800 Zn 29.0600 Zr 8.58000

NAME       MV INT   CONCEN      RSD     BCOR     SCOR

Ag          6.58   -0.001  -242.49  0.00000  0.00000
Al         13.24   0.1033     5.78  0.00000  0.00000
As         29.47   1.7329     3.39  0.00000  0.00000
B           9.53   0.2289     1.83  0.00000  0.00000
Ba        143.55   1.9795     0.09  0.00000  0.00000
Be         32.56   0.0470     0.28  0.00000  0.00000
Ca        228.66   0.6809     0.15  0.00000  0.00000
Cd         12.73   0.0508     3.96  0.00000  0.00000
Ce         15.34   -0.046   -48.11  0.00000  0.00000
Co         46.10   0.3644    13.55  0.00000  0.00000
Cr          7.24   0.0156    12.80  0.00000  0.00000
Cu         25.11   0.2459     0.42  0.00000  0.00000
Dy          8.63   -0.002   -52.04  0.00000  0.00000
Fe         10.02   0.0860     2.32  0.00000  0.00000
```

K	28.19	0.0203	590.96	0.00000	0.00000
La	9.65	-0.003	-47.19	0.00000	0.00000
Li	6.21	0.0000		0.00000	0.00000
Mg	39.11	0.1334	0.22	0.00000	0.00000
Mn	75.44	0.4952	0.30	0.00000	0.00000
Mo	6.64	0.0034	45.83	0.00000	0.00000
Na	8.87	0.9434	1.30	0.00000	0.00000
Nd	6.42	-0.017	-62.45	0.00000	0.00000
Ni	10.86	0.4928	1.39	0.00000	0.00000
P	8.30	-0.022	-208.80	0.00000	0.00000
Pb	12.38	0.4709	3.09	0.00000	0.00000
Re	6.24	-0.001	-600.02	0.00000	0.00000
Rh	10.83	-0.019	-70.23	0.00000	0.00000
Ru	11.31	-0.014	-31.81	0.00000	0.00000
Sb	5.39	0.4577	10.23	0.00000	0.00000
Se	13.35	1.2121	1.71	0.00000	0.00000
Si	8.56	0.4081	2.51	0.00000	0.00000
Sr	7.73	0.0024	13.36	0.00000	0.00000
Te	5.79	0.0044	499.98	0.00000	0.00000
Th	9.45	-0.057	-11.95	0.00000	0.00000
Ti	4.98	0.0065	33.33	0.00000	0.00000
Tl	6.08	1.4073	21.82	0.00000	0.00000
U	38.76	-0.330	-56.31	0.00000	0.00000
V	36.67	0.4849	0.63	0.00000	0.00000
Zn	36.54	0.4949	0.40	0.00000	0.00000
Zr	9.46	0.0177	7.16	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901275
Sample number   = 1710
Sample code 1   = A3
Sample code 2   = 1P0955
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901275
Sample number   : 1710
Sample code 1   : A3
Sample code 2   : 1P0955
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  11:18:44
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 7.15000 Al 13.7400 As 26.8300 B  9.88000 Ba 116.800 Be 26.2500 Ca 704.000
Cd 11.4200 Ce 14.4000 Co 42.7900 Cr 49.7300 Cu 27.2800 Dy 8.24000 Fe 1336.00
K  30.1800 La 9.35000 Li 6.13000 Mg 134.100 Mn 73.9500 Mo 5.94000 Na 691.100
Nd 6.24000 Ni 9.36000 P  87.6600 Pb 12.8200 Re 6.09000 Rh 9.76000 Ru 15.0000
Sb 5.07000 Se 13.5300 Si 33.3800 Sr 121.400 Te 5.53000 Th 8.66000 Ti 4.81000
Tl 5.80000 U  39.4500 V  29.4000 Zn 35.0400 Zr 11.5600
[1] Direct Intensities
Ag 7.17000 Al 13.7500 As 26.7200 B  9.82000 Ba 116.300 Be 26.2900 Ca 700.800
Cd 11.5400 Ce 14.5200 Co 43.0500 Cr 49.7000 Cu 27.3200 Dy 8.32000 Fe 1334.00
K  30.3400 La 9.45000 Li 6.16000 Mg 134.100 Mn 73.9000 Mo 6.04000 Na 685.700
Nd 6.21000 Ni 9.40000 P  87.4600 Pb 12.9000 Re 6.12000 Rh 9.79000 Ru 15.0000
Sb 5.07000 Se 13.6200 Si 33.3300 Sr 121.000 Te 5.58000 Th 8.70000 Ti 4.81000
Tl 5.81000 U  39.6400 V  29.4800 Zn 35.0400 Zr 11.5800
[1] Direct Intensities
```

Ag 7.18000 Al 13.7500 As 27.0800 B 9.90000 Ba 116.700 Be 26.3300 Ca 703.200
Cd 11.4000 Ce 14.5200 Co 43.0100 Cr 49.8000 Cu 27.3400 Dy 8.29000 Fe 1338.00
K 30.2700 La 9.41000 Li 6.16000 Mg 134.400 Mn 74.0600 Mo 5.98000 Na 688.300
Nd 6.20000 Ni 9.39000 P 88.0100 Pb 12.8900 Re 6.15000 Rh 9.79000 Ru 15.0700
Sb 5.08000 Se 13.5800 Si 33.4200 Sr 121.400 Te 5.54000 Th 8.68000 Ti 4.80000
Tl 5.85000 U 39.6300 V 29.5200 Zn 35.1300 Zr 11.5600

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.57	0.0718	1.78	0.00000	0.00000
Al	15.97	0.7405	0.22	0.00000	0.00000
As	31.96	2.0584	1.53	0.00000	0.00000
B	11.32	0.3462	1.00	0.00000	0.00000
Ba	143.92	1.9849	0.24	0.00000	0.00000
Be	32.25	0.0464	0.21	0.00000	0.00000
Ca	839.95	2.5373	0.24	0.00000	0.00000
Cd	13.36	0.0633	3.40	0.00000	0.00000
Ce	15.57	0.0290	98.97	0.00000	0.00000
Co	46.43	0.4245	8.38	0.00000	0.00000
Cr	65.21	3.2488	0.12	0.00000	0.00000
Cu	30.33	0.3616	0.21	0.00000	0.00000
Dy	8.66	-0.001	-202.06	0.00000	0.00000
Fe	1808.76	)58.931	0.15	0.00000	0.00000
K	30.58	1.3620	3.59	0.00000	0.00000
La	10.01	0.0147	21.27	0.00000	0.00000
Li	6.23	0.0012	103.92	0.00000	0.00000
Mg	178.00	0.6605	0.13	0.00000	0.00000
Mn	99.79	0.6719	0.12	0.00000	0.00000
Mo	7.14	0.0197	12.91	0.00000	0.00000
Na	780.24	)402.69	0.40	0.00000	0.00000
Nd	6.43	-0.015	-69.39	0.00000	0.00000
Ni	11.17	0.5246	0.57	0.00000	0.00000
P	81.40	)67.029	0.35	0.00000	0.00000
Pb	15.23	1.0007	1.05	0.00000	0.00000
Re	6.60	0.0265	10.98	0.00000	0.00000
Rh	10.87	-0.009	-74.22	0.00000	0.00000
Ru	17.64	0.5468	0.89	0.00000	0.00000
Sb	5.44	0.4977	1.55	0.00000	0.00000
Se	15.63	2.0292	1.06	0.00000	0.00000
Si	41.10	9.4795	0.17	0.00000	0.00000
Sr	146.17	0.6519	0.20	0.00000	0.00000
Te	5.95	0.0574	20.35	0.00000	0.00000
Th	9.55	-0.006	-200.02	0.00000	0.00000
Ti	5.10	0.0158	3.94	0.00000	0.00000
Tl	6.06	1.3165	13.69	0.00000	0.00000
U	42.32	2.4452	4.08	0.00000	0.00000
V	36.81	0.4877	0.33	0.00000	0.00000
Zn	44.37	0.6200	0.17	0.00000	0.00000
Zr	13.37	0.1433	0.34	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901275
Sample number = 1711
Sample code 1 = A2
Sample code 2 = 1P0688
Sample code 3 = DIRECT
Weight =

Press <CR> when ready to start measurement

24;132H6n
Sample name : 901275
Sample number : 1711
Sample code 1 : A2
Sample code 2 : 1F0688
Sample code 3 : DIRECT
Programme : ALLELE 17-Sep-90 11:23:41
[******] +5 volt power supply out.
[1] Direct Intensities

Ag	7.15000	Al	14.2000	As	16.4900	B	10.0800	Ba	9.52000	Be	7.54000	Ca	719.500
Cd	9.67000	Ce	14.4700	Co	41.0700	Cr	49.1500	Cu	17.6900	Dy	8.28000	Fe	1321.00
K	30.1800	La	9.39000	Li	6.18000	Mg	134.400	Mn	25.6300	Mo	5.99000	Na	679.000
Nd	6.19000	Ni	6.10000	P	88.9400	Pb	11.1300	Re	6.16000	Rh	9.79000	Ru	14.9200
Sb	4.71000	Se	11.0800	Si	13.0800	Sr	120.000	Te	5.47000	Th	8.65000	Ti	4.81000
Tl	5.57000	U	39.5000	V	11.2600	Zn	11.7900	Zr	9.51000				

[1] Direct Intensities

Ag	7.16000	Al	14.1800	As	17.1400	B	10.0600	Ba	9.52000	Be	7.54000	Ca	716.200
Cd	9.66000	Ce	14.4800	Co	41.1000	Cr	49.0200	Cu	17.6800	Dy	8.33000	Fe	1316.00
K	30.2600	La	9.41000	Li	6.16000	Mg	134.000	Mn	25.5700	Mo	5.96000	Na	675.700
Nd	6.20000	Ni	6.12000	P	88.0000	Pb	11.0100	Re	6.08000	Rh	9.79000	Ru	14.9400
Sb	4.74000	Se	11.1400	Si	13.0700	Sr	119.600	Te	5.55000	Th	8.65000	Ti	4.80000
Tl	5.59000	U	39.4800	V	11.2000	Zn	11.8000	Zr	9.50000				

[1] Direct Intensities

Ag	7.16000	Al	14.2100	As	16.3800	B	10.0100	Ba	9.52000	Be	7.55000	Ca	716.900
Cd	9.80000	Ce	14.4800	Co	41.1400	Cr	49.0700	Cu	17.7600	Dy	8.30000	Fe	1318.00
K	30.2200	La	9.38000	Li	6.15000	Mg	134.200	Mn	25.6100	Mo	6.18000	Na	676.400
Nd	6.24000	Ni	6.13000	P	86.4100	Pb	11.1600	Re	6.11000	Rh	9.78000	Ru	14.9500
Sb	4.67000	Se	10.8700	Si	13.0900	Sr	119.600	Te	5.50000	Th	8.68000	Ti	4.80000
Tl	5.59000	U	39.5800	V	11.2300	Zn	11.8400	Zr	9.49000				

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.56	0.0709	0.68	0.00000	0.00000
Al	16.53	0.8697	0.50	0.00000	0.00000
As	18.67	0.3187	21.96	0.00000	0.00000
B	11.56	0.3615	0.83	0.00000	0.00000
Ba	10.44	0.0464	0.00	0.00000	0.00000
Be	8.25	0.0002	8.25	0.00000	0.00000
Ca	857.75	2.5913	0.24	0.00000	0.00000
Cd	10.87	0.0138	16.05	0.00000	0.00000
Ce	15.56	0.0277	8.66	0.00000	0.00000
Co	43.87	-0.045	-19.88	0.00000	0.00000
Cr	64.32	3.1988	0.15	0.00000	0.00000
Cu	19.64	0.1245	0.86	0.00000	0.00000
Dy	8.68	-0.000	*******	0.00000	0.00000
Fe	1784.81	)58.147	0.19	0.00000	0.00000
K	30.53	1.3357	1.82	0.00000	0.00000
La	9.99	0.0140	6.74	0.00000	0.00000
Li	6.25	0.0021	50.92	0.00000	0.00000
Mg	178.00	0.6605	0.15	0.00000	0.00000
Mn	33.33	0.1898	0.16	0.00000	0.00000
Mo	7.23	0.0226	26.71	0.00000	0.00000
Na	767.39	)395.99	0.26	0.00000	0.00000
Nd	6.42	-0.019	-72.15	0.00000	0.00000
Ni	6.63	0.0525	4.20	0.00000	0.00000
P	81.47	)67.090	1.59	0.00000	0.00000
Pb	12.83	0.5550	3.61	0.00000	0.00000
Re	6.59	0.0262	14.97	0.00000	0.00000
Rh	10.88	-0.006	-34.64	0.00000	0.00000
Ru	17.52	0.5364	0.34	0.00000	0.00000

Sb	4.91	0.0089	526.84	0.00000	0.00000
Se	12.25	0.3171	9.26	0.00000	0.00000
Si	15.26	2.2761	0.16	0.00000	0.00000
Sr	144.31	0.6432	0.20	0.00000	0.00000
Te	5.89	0.0382	46.63	0.00000	0.00000
h	9.53	-0.018	-57.74	0.00300	0.00000
ıi	5.10	0.0155	4.03	0.00000	0.00000
Tl	5.77	-0.295	-26.64	0.00000	0.00000
U	42.26	2.3955	2.06	0.00000	0.00000
V	12.42	0.0065	12.16	0.00000	0.00000
Zn	14.09	0.1366	0.46	0.00000	0.00000
Zr	10.69	0.0574	0.72	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901275
Sample number   = 1712
Sample code 1   = A1
Sample code 2   = 1P0064
Sample code 3   = DIRECT

Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901275
Sample number   : 1712
Sample code 1   : A1
Sample code 2   : 1P0064
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  11:28:06
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 7.13000 Al 13.5800 As 16.5200 B  9.52000 Ba 9.30000 Be 7.53000 Ca 661.000
Cd 9.72000 Ce 14.4600 Co 41.0000 Cr 46.4300 Cu 17.4300 Dy 8.25000 Fe 1238.00
K  30.0000 La 9.38000 Li 6.15000 Mg 128.000 Mn 24.4800 Mo 5.91000 Na 636.500
Nd 6.22000 Ni 6.12000 P  83.3700 Pb 10.9600 Re 6.09000 Rh 9.75000 Ru 14.6300
Sb 4.70000 Se 10.8700 Si 13.7000 Sr 112.700 Te 5.54000 Th 8.67000 Ti 4.80000
Tl 5.60000 U  39.2100 V  11.2400 Zn 11.3400 Zr 9.55000
[1] Direct Intensities
Ag 7.09000 Al 13.6000 As 16.6500 B  9.56000 Ba 9.31000 Be 7.55000 Ca 661.000
Cd 9.69000 Ce 14.4500 Co 41.0400 Cr 46.5400 Cu 17.4600 Dy 8.32000 Fe 1238.00
K  30.0800 La 9.35000 Li 6.15000 Mg 128.100 Mn 24.5000 Mo 5.96000 Na 636.000
Nd 6.24000 Ni 6.08000 P  82.7500 Pb 10.8400 Re 6.08000 Rh 9.79000 Ru 14.6000
Sb 4.71000 Se 10.8900 Si 13.7300 Sr 112.700 Te 5.54000 Th 8.63000 Ti 4.80000
Tl 5.61000 U  39.3400 V  11.2000 Zn 11.4500 Zr 9.54000
[1] Direct Intensities
Ag 7.08000 Al 13.5600 As 16.5900 B  9.55000 Ba 9.30000 Be 7.51000 Ca 661.600
Cd 9.74000 Ce 14.4100 Co 40.9900 Cr 46.4900 Cu 17.4700 Dy 8.29000 Fe 1239.00
K  30.0000 La 9.31000 Li 6.15000 Mg 128.200 Mn 24.5300 Mo 5.80000 Na 637.900
Nd 6.23000 Ni 6.07000 P  81.5500 Pb 10.9300 Re 6.00000 Rh 9.80000 Ru 14.5800
Sb 4.65000 Se 11.0000 Si 13.7300 Sr 112.800 Te 5.50000 Th 8.61000 Ti 4.80000
Tl 5.60000 U  39.2600 V  11.1700 Zn 11.3600 Zr 9.53000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.50	0.0662	3.35	0.00000	0.00000
Al	15.77	0.6927	0.83	0.00000	0.00000
As	18.57	0.3045	3.64	0.00000	0.00000
B	10.91	0.3193	0.54	0.00000	0.00000

Ba	10.17	0.0425	0.25	0.00000	0.00000
Be	8.23	0.0001	35.29	0.00000	0.00000
Ca	790.30	2.3865	0.05	0.00000	0.00000
Cd	10.88	0.0140	5.10	0.00000	0.00000
Ce	15.52	0.0124	88.19	0.00000	0.00000
Co	43.74	-0.069	-9.80	0.00000	0.00000
Cr	60.82	3.0036	0.14	0.00000	0.00000
Cu	19.35	0.1182	0.43	0.00000	0.00000
Dy	8.66	-0.001	-210.70	0.00000	0.00000
Fe	1676.37	)54.599	0.05	0.00000	0.00000
K	30.32	1.2179	2.31	0.00000	0.00000
La	9.94	0.0112	19.51	0.00000	0.00000
Li	6.23	0.0012	0.00	0.00000	0.00000
Mg	169.84	0.6296	0.08	0.00000	0.00000
Mn	31.82	0.1788	0.14	0.00000	0.00000
Mo	7.00	0.0148	27.90	0.00000	0.00000
Na	721.74	)372.22	0.16	0.00000	0.00000
Nd	6.44	-0.009	-60.00	0.00000	0.00000
Ni	6.59	0.0487	7.86	0.00000	0.00000
P	76.72	)62.729	1.23	0.00000	0.00000
Pb	12.57	0.5071	3.11	0.00000	0.00000
Re	6.52	0.0204	23.49	0.00000	0.00000
Rh	10.87	-0.009	-113.38	0.00000	0.00000
Ru	17.07	0.4962	0.61	0.00000	0.00000
Sb	4.88	-0.018	-241.09	0.00000	0.00000
Se	12.11	0.7647	4.36	0.00000	0.00000
Si	16.08	2.5033	0.25	0.00000	0.00000
Sr	135.80	0.6032	0.05	0.00000	0.00000
Te	5.92	0.0471	21.65	0.00000	0.00000
Th	9.50	-0.031	-57.28	0.00000	0.00000
Ti	5.09	0.0151	0.00	0.00000	0.00000
Tl	5.80	-0.159	-24.74	0.00000	0.00000
U	41.96	2.1621	2.83	0.00000	0.00000
V	12.39	0.0058	15.96	0.00000	0.00000
Zn	13.54	0.1278	0.95	0.00000	0.00000
Zr	10.74	0.0590	0.70	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CH3
Sample number   = 1713
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CH3
Sample number   : 1713
Programme       : ALLELE            17-Sep-90  11:33:07
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.80000 Al 45.2500 As 26.4900 B  122.400 Ba 7.07000 Be 7.96000 Ca 2697.00
Cd 353.000 Ce 15.0500 Co 42.0000 Cr 136.700 Cu 14.8600 Dy 218.100 Fe 7.49000
K  107.700 La 167.200 Li 288.700 Mg 4.93000 Mn 986.400 Mo 6.25000 Na 173.000
Nd 25.3900 Ni 6.35000 P  18.9500 Pb 10.3200 Re 106.900 Rh 10.9800 Ru 91.2000
Sb 4.78000 Se 29.9300 Si 34.2900 Sr 17.7900 Te 6.29000 Th 25.2900 Ti 5.02000
Tl 7.16000 U  38.2600 V  12.5300 Zn 5.77000 Zr 29.3700
[1] Direct Intensities
```

```
Ag 6.81000 Al 45.0800 As 26.2600 B  122.900 Ba 7.13000 Be 8.00000 Ca 2681.00
Cd 353.600 Ce 15.1100 Co 42.0500 Cr 136.300 Cu 14.8500 Dy 217.200 Fe 7.46000
K  107.000 La 166.400 Li 287.300 Mg 4.91000 Mn 982.800 Mo 6.11000 Na 172.300
Nd 25.2800 Ni 6.34000 P  19.1600 Pb 10.2600 Re 106.200 Rh 11.0100 Ru 91.3200
Sb 4.78000 Se 29.9800 Si 34.2200 Sr 17.7900 Te 6.30000 Th 25.2200 Ti 5.01000
 l 7.12000 U  38.3600 V  12.5300 Zn 5.79000 Zr 29.2900
.1] Direct Intensities
Ag 6.80000 Al 45.1300 As 26.2100 B  123.300 Ba 7.10000 Be 8.00000 Ca 2683.00
Cd 353.700 Ce 15.0900 Co 42.0000 Cr 136.400 Cu 14.9100 Dy 217.500 Fe 7.46000
K  107.500 La 166.800 Li 287.600 Mg 4.94000 Mn 983.900 Mo 6.13000 Na 172.500
Nd 25.3400 Ni 6.32000 P  19.0100 Pb 10.1900 Re 106.700 Rh 11.0000 Ru 91.1400
Sb 4.78000 Se 29.8000 Si 34.2800 Sr 17.7900 Te 6.34000 Th 25.2600 Ti 4.99000
Tl 7.14000 U  38.3300 V  12.5000 Zn 5.70000 Zr 29.2300
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.16	0.0413	1.17	0.00000	0.00000
Al	54.65	9.7551	0.26	0.00000	0.00000
As	31.22	1.9635	1.30	0.00000	0.00000
B	154.92	9.7503	0.38	0.00000	0.00000
Ba	7.43	0.0026	20.93	0.00000	0.00000
Be	8.82	0.0013	4.50	0.00000	0.00000
Ca	3217.91	9.7588	0.30	0.00000	0.00000
Cd	501.74	9.7721	0.03	0.00000	0.00000
Ce	16.34	0.2793	4.54	0.00000	0.00000
Co	45.13	0.1873	3.92	0.00000	0.00000
Cr	182.26	9.7767	0.16	0.00000	0.00000
Cu	16.48	0.0545	1.46	0.00000	0.00000
Dy	263.48	9.8432	0.22	0.00000	0.00000
Fe	7.90	0.0166	4.64	0.00000	0.00000
K	114.33	48.335	0.45	0.00000	0.00000
a	202.42	9.7646	0.25	0.00000	0.00000
_i	314.23	19.553	0.26	0.00000	0.00000
Mg	5.22	0.0048	1.62	0.00000	0.00000
Mn	1350.62	9.7481	0.19	0.00000	0.00000
Mo	7.42	0.0287	13.36	0.00000	0.00000
Na	195.10	97.932	0.22	0.00000	0.00000
Nd	28.52	9.7564	0.29	0.00000	0.00000
Ni	6.93	0.0843	2.62	0.00000	0.00000
P	18.92	9.7246	0.93	0.00000	0.00000
Pb	11.68	0.3422	4.80	0.00000	0.00000
Re	133.62	9.7737	0.36	0.00000	0.00000
Rh	12.38	0.4497	1.28	0.00000	0.00000
Ru	121.13	9.7238	0.11	0.00000	0.00000
Sb	5.02	0.1066	0.00	0.00000	0.00000
Se	37.28	9.8001	0.45	0.00000	0.00000
Si	42.23	9.7942	0.14	0.00000	0.00000
Sr	20.36	0.0616	3.00	0.00000	0.00000
Te	7.00	0.3928	2.97	0.00000	0.00000
Th	30.27	9.7662	0.21	0.00000	0.00000
Ti	5.38	0.0374	4.41	0.00000	0.00000
Tl	7.68	10.305	1.32	0.00000	0.00000
U	40.82	1.2724	3.76	0.00000	0.00000
V	14.15	0.0405	1.13	0.00000	0.00000
Zn	6.21	0.0108	9.09	0.00000	0.00000
Zr	36.32	0.8810	0.23	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
```

```
Sample number  = 1714
Sample code 1  =
Sample code 2  =
Sample code 3  =
Weight         =

Press <CR> when ready to start measurement
24;132H6n
Sample name    : CL1
Sample number  : 1714
Programme      : ALLELE          17-Sep-90  11:40:15
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.19000 Al 11.1300 As 14.9500 B  6.44000 Ba 6.92000 Be 7.37000 Ca 4.96000
Cd 9.01000 Ce 14.2500 Co 40.6600 Cr 6.58000 Cu 12.5800 Dy 8.24000 Fe 7.14000
K  27.7800 La 9.14000 Li 6.12000 Mg 3.95000 Mn 6.58000 Mo 5.52000 Na 6.81000
Nd 6.18000 Ni 5.70000 P  7.18000 Pb 8.87000 Re 5.81000 Rh 9.76000 Ru 10.3400
Sb 4.67000 Se 9.24000 Si 6.62000 Sr 6.92000 Te 5.44000 Th 8.55000 Ti 4.62000
Tl 5.55000 U  36.4000 V  10.9900 Zn 5.23000 Zr 8.06000
[1] Direct Intensities
Ag 6.27000 Al 11.1200 As 14.7400 B  6.29000 Ba 6.90000 Be 7.44000 Ca 4.92000
Cd 9.10000 Ce 14.2700 Co 40.6100 Cr 6.55000 Cu 12.5200 Dy 8.26000 Fe 7.16000
K  27.7300 La 9.05000 Li 6.08000 Mg 3.94000 Mn 6.53000 Mo 5.49000 Na 6.81000
Nd 6.19000 Ni 5.73000 P  7.20000 Pb 8.91000 Re 5.81000 Rh 9.70000 Ru 10.3100
Sb 4.61000 Se 9.20000 Si 6.59000 Sr 6.94000 Te 5.39000 Th 8.58000 Ti 4.64000
Tl 5.58000 U  36.3600 V  10.8000 Zn 5.22000 Zr 8.01000
[1] Direct Intensities
Ag 6.23000 Al 11.1200 As 14.5600 B  6.28000 Ba 6.88000 Be 7.44000 Ca 4.93000
Cd 9.13000 Ce 14.2200 Co 40.5900 Cr 6.54000 Cu 12.5200 Dy 8.26000 Fe 7.12000
K  27.7600 La 9.04000 Li 6.08000 Mg 3.98000 Mn 6.54000 Mo 5.45000 Na 6.81000
Nd 6.16000 Ni 5.72000 P  7.26000 Pb 8.76000 Re 5.80000 Rh 9.70000 Ru 10.2500
Sb 4.69000 Se 9.18000 Si 6.60000 Sr 6.94000 Te 5.34000 Th 8.58000 Ti 4.61000
Tl 5.52000 U  36.3800 V  10.8000 Zn 5.21000 Zr 8.01000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.51	-0.007	-50.00	0.00000	0.00000
Al	12.74	-0.012	-13.32	0.00000	0.00000
As	16.13	-0.014	-175.60	0.00000	0.00000
B	6.84	0.0524	14.23	0.00000	0.00000
Ba	7.18	-0.001	-35.29	0.00000	0.00000
Be	8.09	-0.000	-71.32	0.00000	0.00000
Ca	4.51	0.0002	41.63	0.00000	0.00000
Cd	9.98	-0.004	-43.57	0.00000	0.00000
Ce	15.27	-0.068	-15.41	0.00000	0.00000
Co	43.20	-0.168	-5.46	0.00000	0.00000
Cr	6.92	-0.002	-78.06	0.00000	0.00000
Cu	13.88	-0.003	-27.35	0.00000	0.00000
Dy	8.62	-0.002	-23.09	0.00000	0.00000
Fe	7.45	0.0019	46.15	0.00000	0.00000
K	27.85	-0.164	-9.32	0.00000	0.00000
La	9.61	-0.006	-61.20	0.00000	0.00000
Li	6.17	-0.003	-57.74	0.00000	0.00000
Mg	3.93	-0.000	-78.06	0.00000	0.00000
Mn	7.16	-0.000	-132.29	0.00000	0.00000
Mo	6.37	-0.006	-31.93	0.00000	0.00000
Na	7.00	-0.030	0.00	0.00000	0.00000
Nd	6.38	-0.036	-21.82	0.00000	0.00000
Ni	6.07	-0.005	-41.66	0.00000	0.00000

P	8.16	-0.145	-24.02	0.00000	0.00000
Pb	9.77	-0.013	-145.64	0.00000	0.00000
Re	6.20	-0.004	-14.43	0.00000	0.00000
Rh	10.79	-0.031	-41.57	0.00000	0.00000
Ru	11.22	-0.022	-25.00	0.00000	0.00000
Sb	4.84	-0.058	-96.00	0.00000	0.00000
Se	9.84	-0.051	-28.64	0.00000	0.00000
Si	7.02	-0.022	-24.12	0.00000	0.00000
Sr	7.16	-0.000	-23.09	0.00000	0.00000
Te	5.73	-0.013	-166.67	0.00000	0.00000
Th	9.42	-0.071	-14.43	0.00000	0.00000
Ti	4.85	-0.004	-41.66	0.00000	0.00000
Tl	5.73	-0.522	-39.13	0.00000	0.00000
U	38.50	-0.535	-3.49	0.00000	0.00000
V	11.93	-0.003	-91.41	0.00000	0.00000
Zn	5.52	-0.000	-75.00	0.00000	0.00000
Zr	8.79	-0.004	-30.93	0.00000	0.00000

More samples [Y/N] ? N
>LGF

```
>NORM ALLELE
Result file (<CR> for no storage) = SIMN1
Do you wish to normalise all standards [Y/N] ?

The following standards are used in this programme(s) :
 CL1    CH4     CH3     CH2
Sample name    : CL1

Press <CR> when ready to start measurement
24;132H6n
Sample name    : CL1
Programme      : ALLELE          17-Sep-90  14:52:03
[******] +5 volt power supply out.
[1] Direct Intensities
AG 6.17000 AL 11.2000 AS 14.7900 BO 5.64000 BA 6.77000 BE 7.46000 CA 4.93000
CD 9.06000 CE 13.9300 CO 39.5300 CR 6.46000 CU 12.2900 DY 8.09000 FE 7.09000
K1 27.2700 LA 8.96000 LI 6.02000 MG 3.97000 MN 6.50000 MO 5.86000 NA 6.75000
ND 6.11000 NI 5.68000 P4 7.06000 PB 8.75000 RE 5.80000 RH 9.58000 RU 10.5800
SB 4.64000 SE 9.22000 SI 6.54000 SR 6.85000 TE 5.38000 TH 8.42000 TI 4.62000
TL 5.58000 U  35.4400 V  10.6400 ZN 5.18000 ZR 7.95000
[1] Direct Intensities
AG 6.17000 AL 11.2000 AS 14.4500 BO 5.71000 BA 6.79000 BE 7.46000 CA 4.98000
CD 8.98000 CE 13.9500 CO 39.5600 CR 6.48000 CU 12.3100 DY 8.13000 FE 7.10000
K1 27.2200 LA 8.90000 LI 6.01000 MG 3.98000 MN 6.49000 MO 5.94000 NA 6.78000
ND 6.09000 NI 5.69000 P4 7.13000 PB 8.71000 RE 5.80000 RH 9.58000 RU 10.5800
SB 4.69000 SE 9.15000 SI 6.54000 SR 6.82000 TE 5.36000 TH 8.43000 TI 4.61000
TL 5.54000 U  35.4400 V  10.5700 ZN 5.20000 ZR 7.95000
[1] Direct Intensities
AG 6.19000 AL 11.2000 AS 14.5700 BO 5.63000 BA 6.81000 BE 7.47000 CA 4.99000
CD 9.04000 CE 13.9700 CO 39.6300 CR 6.49000 CU 12.3500 DY 8.16000 FE 7.12000
K1 27.3800 LA 8.98000 LI 6.06300 MG 3.99000 MN 6.48000 MO 5.87000 NA 6.75000
ND 6.13000 NI 5.69000 P4 7.17000 PB 8.74000 RE 5.86000 RH 9.58000 RU 10.4900
SB 4.61000 SE 9.04000 SI 6.55000 SR 6.80000 TE 5.36000 TH 8.44000 TI 4.64000
TL 5.54000 U  35.4900 V  10.7000 ZN 5.19000 ZR 7.94000
```

NAME	MV INT	RSD	BCOR
AG	6.18	0.19	0.00000
AL	11.20	0.00	0.00000
AS	14.60	1.18	0.00000
BO	5.66	0.77	0.00000
BA	6.79	0.29	0.00000
BE	7.46	0.08	0.00000
CA	4.97	0.65	0.00000
CD	9.03	0.46	0.00000
CE	13.95	0.14	0.00000
CO	39.57	0.13	0.00000
CR	6.48	0.24	0.00000
CU	12.32	0.25	0.00000
DY	8.13	0.43	0.00000
FE	7.10	0.22	0.00000
K1	27.29	0.30	0.00000
LA	8.93	0.52	0.00000
LI	6.03	0.44	0.00000
MG	3.98	0.25	0.00000
MN	6.49	0.15	0.00000
MO	5.89	0.74	0.00000
NA	6.76	0.26	0.00000
ND	6.11	0.33	0.00000
NI*	5.69	0.10	0.00000

P4	7.12	0.78	0.00000
PB	8.73	0.24	0.00000
RE	5.82	0.60	0.00000
RH	9.58	0.00	0.00000
RU	10.55	0.49	0.00000
SB	4.65	0.87	0.00000
SE	9.14	0.99	0.00000
SI	6.54	0.09	0.00000
SR	6.82	0.37	0.00000
TE	5.37	0.22	0.00000
TH	8.43	0.12	0.00000
TI	4.62	0.33	0.00000
TL	5.55	0.42	0.00000
U	35.46	0.08	0.00000
V	10.64	0.61	0.00000
ZN	5.19	0.19	0.00000
ZR	7.95	0.07	0.00000

Store [N/Y] ? Y

Channel	Old	New	Nominal	Drift
AG	6.31000	6.17667	6.60333	*
AL8	11.1667	11.2000	12.7967	*
AS	14.8000	14.6033	16.2400	*
B04	5.70667	5.66000	6.03667	*
BA02	6.95667	6.79000	7.24667	*
BE	7.47333	7.46333	8.16000	*
CA15	4.88667	4.96667	4.45333	*
CD	9.22333	9.02667	10.1000	*
CE18	14.4100	13.9500	15.4767	*
CO	41.2800	39.5733	44.1133	*
CR21	6.58333	6.47667	6.96000	*
CU	12.6667	12.3167	14.0233	*
DY26	8.30333	8.12667	8.68333	*
FE05	7.09667	7.10333	7.39000	*
K14	28.0267	27.2900	28.1467	*
LA13	9.16667	8.92667	9.71667	*
LI10	6.13333	6.03000	6.21333	*
MG6	3.98333	3.98000	3.96333	*
MN20	6.57000	6.49000	7.18333	*
MO23	5.59667	5.89000	6.54000	*
NA22	6.86000	6.76000	7.06000	*
ND16	6.24667	6.11000	6.46000	*
NI19	5.75333	5.68667	6.12000	*
P4	7.38667	7.12000	8.32000	*
PB	8.90000	8.73333	9.84000	*
RE25	5.84667	5.82000	6.25333	*
RH12	9.80333	9.58000	10.8967	*
RU03	10.4833	10.5500	11.4667	*
SB	4.70000	4.64667	4.90000	*
SE	9.31333	9.13667	9.97667	*
SI7	6.66667	6.54333	7.09667	*
SR17	6.98333	6.82333	7.22000	*
TE01	5.42000	5.36667	5.77333	*
TH	8.69000	8.43000	9.56667	*
TI11	4.66000	4.62333	4.89667	*
TL	5.62667	5.55333	5.82667	*
U	36.9533	35.4567	39.1867	*
V	10.9333	10.6367	12.0933	*

```
ZN9      5.23333 5.19000 5.53667   *
ZR24     8.12000 7.94667 8.90667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

 ample name    : CH4

Press <CR> when ready to start measurement
24;132H6n
Sample name    : CH4
Programme      : ALLELE          17-Sep-90  14:55:06
[******] +5 volt power supply out.
[1] Direct Intensities
AG 124.500 U  143.600
[1] Direct Intensities
AG 124.000 U  143.400
[1] Direct Intensities
AG 124.700 U  144.000

NAME       MV INT      RSD     BCOR

AG         124.40     0.29  0.00000
U          143.67     0.21  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal Drift
AG       125.667 124.400 141.667   *
U        144.100 143.667 167.467   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name    : CH3

Press <CR> when ready to start measurement
24;132H6n
Sample name    : CH3
Programme      : ALLELE          17-Sep-90  14:58:58
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AL 45.4200 B0 123.800 CA 2732.00 CD 355.000 CR 137.200 DY 223.200 K1 108.400
LA 169.400 LI 295.200 MN 989.900 NA 176.300 ND 25.6800 P4 19.1300 RE 107.700
RU 91.2800 SE 30.0100 SI 34.4400 TH 25.4800 TL 7.06000
[1] Direct Intensities
AL 45.4700 B0 124.300 CA 2737.00 CD 355.100 CR 137.200 DY 223.300 K1 108.600
LA 169.400 LI 295.600 MN 990.000 NA 176.400 ND 25.6800 P4 18.9700 RE 107.800
RU 91.0000 SE 30.0500 SI 34.4000 TH 25.5200 TL 7.12000
[1] Direct Intensities
AL 45.5600 B0 125.500 CA 2749.00 CD 356.000 CR 137.600 DY 224.100 K1 109.100
LA 170.000 LI 297.400 MN 992.600 NA 177.600 ND 25.7700 P4 19.2700 RE 108.200
RU 91.2600 SE 30.0900 SI 34.5400 TH 25.5500 TL 7.16000

NAME       MV INT      RSD     BCOR

AL          45.48     0.16  0.00000
B0         124.53     0.70  0.00000
CA        2739.33     0.32  0.00000
CD         355.37     0.15  0.00000
```

```
CR        137.33     0.17  0.00000
DY        223.53     0.22  0.00000
K1        108.70     0.33  0.00000
LA        169.60     0.20  0.00000
LI        296.07     0.40  0.00000
 N        990.83     0.15  0.00000
NA        176.77     0.41  0.00000
ND         25.71     0.20  0.00000
P4         19.12     0.78  0.00000
RE        107.90     0.25  0.00000
RU         91.18     0.17  0.00000
SE         30.05     0.13  0.00000
SI         34.46     0.21  0.00000
TH         25.52     0.14  0.00000
TL          7.11     0.71  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal  Drift
AL8      46.0067  45.4833  55.7033   *
B04      125.867  124.533  158.733   *
CA15     2755.00  2739.33  3297.33   *
CD       361.733  355.367  513.200   *
CR21     139.433  137.333  186.267   *
DY26     220.933  223.533  267.533   *
K14      110.133  108.700  117.300   *
LA13     170.600  169.600  207.067   *
LI10     294.300  296.067  321.267   *
MN20     1009.63  990.833  1385.33   *
NA22     176.100  176.767  199.067   *
 D16     25.8133  25.7100  29.0733   *
 P4      19.3700  19.1233  19.2233
RE25     108.933  107.900  136.567   *
RU03     93.5133  91.1800  124.300   *
SE       30.3233  30.0500  37.8333   *
SI7      34.8433  34.4600  42.9700   *
TH       25.6533  25.5167  30.7667   *
TL       7.18333  7.11333  7.73667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name     : CH2

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH2
Programme       : ALLELE          17-Sep-90  15:03:16
[******] +5 volt power supply out.
[1] Direct Intensities
AS 71.3400 BA 566.600 BE 407.700 CE 38.1900 CO 78.6000 CU 421.700 FE 231.100
MG 1959.00 MO 215.000 NI 73.8000 PB 47.5300 RH 36.2900 SB 20.1000 SR 1771.00
TE 28.3100 TI 97.8000 V  388.200 ZN 476.300 ZR 247.000
[1] Direct Intensities
AS 71.7300 BA 567.700 BE 408.600 CE 38.2600 CO 78.6300 CU 422.500 FE 231.500
MG 1963.00 MO 215.200 NI 73.8100 PB 47.5800 RH 36.3400 SB 20.1400 SR 1774.00
TE 28.2000 TI 98.0000 V  389.100 ZN 477.200 ZR 247.600
 1] Direct Intensities
 S 72.1400 BA 567.500 BE 408.100 CE 38.2000 CO 78.6600 CU 422.400 FE 231.400
MG 1962.00 MO 214.300 NI 73.8200 PB 47.6400 RH 36.3900 SB 20.2600 SR 1772.00
```

TE 28.2000 TI 97.9800 V 388.800 ZN 477.000 ZR 247.300

NAME	MV INT	RSD	BCOR
AS	71.74	0.56	0.00000
A	567.27	0.10	0.00000
BE	408.13	0.11	0.00000
CE	38.22	0.10	0.00000
CO	78.63	0.04	0.00000
CU	422.20	0.10	0.00000
FE	231.33	0.09	0.00000
MG	1961.33	0.11	0.00000
MO	214.83	0.22	0.00000
NI	73.81	0.01	0.00000
PB	47.58	0.12	0.00000
RH	36.34	0.14	0.00000
SB	20.17	0.41	0.00000
SR	1772.33	0.09	0.00000
TE	28.24	0.22	0.00000
TI	97.93	0.11	0.00000
V	388.70	0.12	0.00000
ZN	476.83	0.10	0.00000
ZR	247.30	0.12	0.00000

Store [N/Y] ? Y

Channel	Old	New	Nominal	Drift
AS	73.5867	71.7367	92.7400	*
BA02	559.333	567.267	695.800	*
BE	412.700	408.133	527.033	*
CE18	38.5200	38.2167	46.3933	*
CO	80.6167	78.6300	98.5933	*
CU	417.733	422.200	464.933	*
FE05	232.600	231.333	313.067	*
MG6	1975.33	1961.33	2638.67	*
MO23	203.333	214.833	313.267	*
NI19	74.9433	73.8100	102.367	*
PB	48.5400	47.5833	63.7433	*
RH12	36.3400	36.3400	43.8900	*
SB	19.7567	20.1667	26.5967	*
SR17	1760.00	1772.33	2138.67	*
TE01	28.0800	28.2367	37.1200	*
TI11	97.2900	97.9267	133.867	*
V	390.000	388.700	519.000	*
ZN9	486.500	476.833	631.933	*
ZR24	248.667	247.300	320.100	*

[******] Excessive drift - check correct standard used

Update standard file [Y/N] ? Y

>

```
 SAMP ALLELE
Result file (<CR> for no storage) = SST1
Sample name     = CH3
Sample number   = 1715
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Sample number   : 1715
Programme       : ALLELE          17-Sep-90  15:09:17
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.72000 Al 45.8200 As 26.2600 B  125.400 Ba 7.00000 Be 7.93000 Ca 2772.00
Cd 358.700 Ce 14.6800 Co 40.5800 Cr 138.500 Cu 14.6200 Dy 225.800 Fe 7.32000
K  109.300 La 171.200 Li 299.500 Mg 4.93000 Mn 999.700 Mo 6.59000 Na 178.800
Nd 25.9400 Ni 6.28000 P  18.7400 Pb 10.1900 Re 108.800 Rh 10.7900 Ru 92.2200
Sb 4.76000 Se 30.3500 Si 34.6600 Sr 18.1300 Te 6.33000 Th 25.6600 Ti 4.98000
Tl 7.22000 U  37.0200 V  12.2500 Zn 5.74000 Zr 29.9000
[1] Direct Intensities
Ag 6.73000 Al 45.9900 As 26.4500 B  126.400 Ba 6.98000 Be 7.96000 Ca 2780.00
Cd 359.400 Ce 14.6800 Co 40.4800 Cr 138.800 Cu 14.6000 Dy 226.800 Fe 7.29000
K  110.000 La 171.700 Li 301.800 Mg 4.89000 Mn 1002.30 Mo 6.70000 Na 180.000
Nd 25.9800 Ni 6.29000 P  18.9900 Pb 10.1500 Re 109.200 Rh 10.7800 Ru 92.3200
Sb 4.74000 Se 30.4500 Si 34.7900 Sr 18.1700 Te 6.25000 Th 25.7200 Ti 4.97000
Tl 7.21000 U  37.0200 V  12.2500 Zn 5.80000 Zr 29.9900
[1] Direct Intensities
Ag 6.73000 Al 46.0000 As 26.6600 B  127.200 Ba 6.99000 Be 8.00000 Ca 2783.00
Cd 360.400 Ce 14.6800 Co 40.5900 Cr 139.000 Cu 14.6500 Dy 226.800 Fe 7.28000
K  109.200 La 171.900 Li 300.100 Mg 4.91000 Mn 1003.10 Mo 6.48000 Na 179.200
Nd 25.9800 Ni 6.29000 P  19.2100 Pb 10.1100 Re 109.200 Rh 10.8100 Ru 92.5400
Sb 4.79000 Se 30.2900 Si 34.7700 Sr 18.1700 Te 6.36000 Th 25.7000 Ti 4.98000
Tl 7.22000 U  37.0200 V  12.2800 Zn 5.77000 Zr 29.9500
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.23	0.0465	1.05	0.00000	0.00000
Al	56.27	10.132	0.29	0.00000	0.00000
As	32.11	2.0788	1.69	0.00000	0.00000
B	161.05	10.151	0.75	0.00000	0.00000
Ba	7.49	0.0036	5.00	0.00000	0.00000
Be	8.83	0.0013	3.87	0.00000	0.00000
Ca	3343.90	10.141	0.19	0.00000	0.00000
Cd	519.20	10.119	0.24	0.00000	0.00000
Ce	16.41	0.3008	0.00	0.00000	0.00000
Co	45.48	0.2501	6.23	0.00000	0.00000
Cr	188.23	10.110	0.19	0.00000	0.00000
Cu	16.56	0.0563	1.09	0.00000	0.00000
Dy	271.06	10.136	0.26	0.00000	0.00000
Fe	7.65	0.0086	10.77	0.00000	0.00000
K	118.18	50.491	0.53	0.00000	0.00000
La	209.52	10.124	0.22	0.00000	0.00000
Li	326.05	20.303	0.41	0.00000	0.00000
Mg	5.22	0.0048	2.15	0.00000	0.00000
Mn	1400.55	10.110	0.18	0.00000	0.00000
Mo	7.57	0.0335	15.71	0.00000	0.00000
Na*	201.97	101.51	0.35	0.00000	0.00000

Nd	29.37	10.131	0.12	0.00000	0.00000
Ni	6.97	0.0881	0.96	0.00000	0.00000
P	19.09	9.8806	1.90	0.00000	0.00000
Pb	11.81	0.3647	2.82	0.00000	0.00000
Re	138.06	10.114	0.22	0.00000	0.00000
Rh	12.39	0.4534	1.26	0.00000	0.00000
Ru	125.95	10.146	0.20	0.00000	0.00000
Sb	5.06	0.1509	21.57	0.00000	0.00000
Se	38.25	10.150	0.38	0.00000	0.00000
Si	43.33	10.100	0.25	0.00000	0.00000
Sr	20.90	0.0642	0.20	0.00000	0.00000
Te	7.07	0.4139	6.01	0.00000	0.00000
Th	30.99	10.103	0.10	0.00000	0.00000
Ti	5.39	0.0379	1.63	0.00000	0.00000
Tl	7.86	11.302	0.35	0.00000	0.00000
U	41.04	1.4447	0.00	0.00000	0.00000
V	14.27	0.0429	1.07	0.00000	0.00000
Zn	6.31	0.0123	5.17	0.00000	0.00000
Zr	37.51	0.9191	0.20	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1716
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132Hón
Sample name     : CL1
Sample number   : 1716
Programme       : ALLELE          17-Sep-90  15:15:26
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.18000 Al 11.2400 As 14.5600 B  6.78000 Ba 6.82000 Be 7.48000 Ca 5.01000
Cd 8.99000 Ce 13.9200 Co 39.4900 Cr 6.50000 Cu 12.3100 Dy 8.10000 Fe 7.07000
K  27.2200 La 8.92000 Li 6.07000 Mg 3.96000 Mn 6.48000 Mo 5.82000 Na 6.76000
Nd 6.06000 Ni 5.66000 P  7.14000 Pb 8.81000 Re 5.81000 Rh 9.56000 Ru 10.1400
Sb 4.65000 Se 9.07000 Si 6.54000 Sr 6.82000 Te 5.31000 Th 8.40000 Ti 4.59000
Tl 5.59000 U  35.4000 V  10.6500 Zn 5.19000 Zr 7.94000
[1] Direct Intensities
Ag 6.16000 Al 11.2500 As 14.1900 B  6.63000 Ba 6.80000 Be 7.43000 Ca 4.96000
Cd 8.99000 Ce 13.9100 Co 39.5200 Cr 6.49000 Cu 12.2600 Dy 8.10000 Fe 7.09000
K  27.2400 La 8.89000 Li 6.04000 Mg 3.97000 Mn 6.49000 Mo 5.80000 Na 6.74000
Nd 6.08000 Ni 5.65000 P  6.97000 Pb 8.70000 Re 5.81000 Rh 9.56000 Ru 10.1300
Sb 4.56000 Se 9.09000 Si 6.53000 Sr 6.80000 Te 5.30000 Th 8.38000 Ti 4.61000
Tl 5.64000 U  35.3800 V  10.5600 Zn 5.20000 Zr 7.95000
[1] Direct Intensities
Ag 6.18000 Al 11.2000 As 14.3400 B  6.51000 Ba 6.80000 Be 7.48000 Ca 5.00000
Cd 9.00000 Ce 13.9300 Co 39.4700 Cr 6.49000 Cu 12.3300 Dy 8.11000 Fe 7.09000
K  27.3300 La 8.94000 Li 6.02000 Mg 3.95000 Mn 6.49000 Mo 5.84000 Na 6.76000
Nd 6.08000 Ni 5.65000 P  7.01000 Pb 8.78000 Re 5.81000 Rh 9.54000 Ru 10.1600
Sb 4.65000 Se 9.15000 Si 6.51000 Sr 6.82000 Te 5.40000 Th 8.38000 Ti 4.61000
Tl 5.55000 U  35.4000 V  10.6200 Zn 5.14000 Zr 7.94000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.60	-0.000	-346.41	0.00000	0.00000

Al	12.83	0.0088	98.19	0.00000	0.00000
As	15.92	-0.042	-77.54	0.00000	0.00000
B	7.30	0.0824	13.80	0.00000	0.00000
Ba	7.27	0.0003	69.28	0.00000	0.00000
Be	8.16	0.0000	3868000	0.00000	0.00000
Ca	4.48	0.0001	113.39	0.00000	0.00000
Cd	10.13	-0.001	-17.32	0.00000	0.00000
Ce	15.44	-0.012	-33.33	0.00000	0.00000
Co	44.00	-0.020	-31.46	0.00000	0.00000
Cr	6.98	0.0013	34.64	0.00000	0.00000
Cu	14.01	-0.000	-216.31	0.00000	0.00000
Dy	8.66	-0.001	-24.74	0.00000	0.00000
Fe	7.36	-0.001	-57.73	0.00000	0.00000
K	28.12	-0.016	-219.73	0.00000	0.00000
La	9.70	-0.001	-251.72	0.00000	0.00000
Li	6.23	0.0009	198.74	0.00000	0.00000
Mg	3.94	-0.000	-50.00	0.00000	0.00000
Mn	7.18	-0.000	-173.22	0.00000	0.00000
Mo	6.44	-0.003	-29.57	0.00000	0.00000
Na	7.05	-0.004	-173.22	0.00000	0.00000
Nd	6.42	-0.019	-31.49	0.00000	0.00000
Ni	6.07	-0.005	-17.32	0.00000	0.00000
P	8.25	-0.067	-111.10	0.00000	0.00000
Pb	9.88	0.0077	189.54	0.00000	0.00000
Re	6.24	-0.001	0.00	0.00000	0.00000
Rh	10.86	-0.010	-43.30	0.00000	0.00000
Ru	10.90	-0.050	-3.76	0.00000	0.00000
Sb	4.86	-0.034	-194.86	0.00000	0.00000
Se	9.93	-0.016	-124.90	0.00000	0.00000
Si	7.08	-0.006	-91.65	0.00000	0.00000
Sr	7.21	-0.000	-115.47	0.00000	0.00000
Te	5.73	-0.013	-183.50	0.00000	0.00000
Th	9.51	-0.025	-26.65	0.00000	0.00000
Ti	4.87	-0.002	-57.74	0.00000	0.00000
Tl	5.98	0.2718	112.74	0.00000	0.00000
U	39.11	-0.059	-18.23	0.00000	0.00000
V	12.06	-0.001	-171.85	0.00000	0.00000
Zn	5.52	-0.000	-241.09	0.00000	0.00000
Zr	8.90	-0.000	-173.17	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901276
Sample number   = 1717
Sample code 1   = A5
Sample code 2   = DIRECT
Sample code 3   = BLK
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 901276
Sample number   : 1717
Sample code 1   : A5
Sample code 2   : DIRECT
Sample code 3   : BLK
Programme       : ALLELE            17-Sep-90   15:19:49
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
```

Ag 6.17000 Al 11.3100 As 14.5200 B 7.40000 Ba 6.94000 Be 7.43000 Ca 82.2600
Cd 9.13000 Ce 13.8500 Co 39.3500 Cr 6.65000 Cu 12.3700 Dy 8.00000 Fe 8.32000
K 27.2500 La 8.93000 Li 6.00000 Mg 15.3900 Mn 6.65000 Mo 5.80000 Na 7.16000
Nd 6.10000 Ni 5.65000 P 7.05000 Pb 8.72600 Re 5.80000 Rh 9.52000 Ru 10.1700
Sb 4.61000 Se 9.00000 Si 7.35000 Sr 7.00000 Te 5.36000 Th 8.38000 Ti 4.67000
Tl 5.74000 U 35.2500 V 10.6800 Zn 5.39000 Zr 8.00000
[1] Direct Intensities
Ag 6.15000 Al 11.3600 As 14.2800 B 7.39000 Ba 6.98000 Be 7.40000 Ca 81.8800
Cd 9.00000 Ce 13.9300 Co 39.5200 Cr 6.66000 Cu 12.4000 Dy 8.06000 Fe 8.36000
K 27.2300 La 8.88000 Li 6.06000 Mg 15.3300 Mn 6.63000 Mo 5.80000 Na 7.18000
Nd 6.07000 Ni 5.68000 P 7.08000 Pb 8.79000 Re 5.76000 Rh 9.55000 Ru 10.0600
Sb 4.64000 Se 9.19000 Si 7.35000 Sr 7.01000 Te 5.31000 Th 8.40000 Ti 4.64000
Tl 5.63000 U 35.3900 V 10.6400 Zn 5.40000 Zr 8.01000
[1] Direct Intensities
Ag 6.18000 Al 11.3400 As 14.2100 B 7.31000 Ba 6.96000 Be 7.42000 Ca 82.4000
Cd 9.06000 Ce 13.8900 Co 39.4500 Cr 6.64000 Cu 12.3800 Dy 8.01000 Fe 8.32000
K 27.2900 La 8.92000 Li 6.02000 Mg 15.4500 Mn 6.67000 Mo 5.80000 Na 7.19000
Nd 6.09000 Ni 5.68000 P 7.00000 Pb 8.78000 Re 5.81000 Rh 9.52000 Ru 10.1400
Sb 4.66000 Se 9.10000 Si 7.36000 Sr 7.00000 Te 5.35000 Th 8.38000 Ti 4.66000
Tl 5.69000 U 35.3500 V 10.5900 Zn 5.49000 Zr 8.00000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.59	-0.001	-152.74	0.00000	0.00000
Al	12.97	0.0399	18.41	0.00000	0.00000
As	15.88	-0.047	-60.97	0.00000	0.00000
B	8.23	0.1436	2.89	0.00000	0.00000
Ba	7.46	0.0030	11.76	0.00000	0.00000
Be	8.13	-0.000	-160.73	0.00000	0.00000
Ca	97.44	0.2824	6.75	0.00000	0.00000
Cd	10.23	0.0011	177.45	0.00000	0.00000
Ce	15.40	-0.025	-66.67	0.00000	0.00000
Co	43.93	-0.034	-64.08	0.00000	0.00000
Cr	7.20	0.0132	5.77	0.00000	0.00000
Cu	14.10	0.0016	22.91	0.00000	0.00000
Dy	8.56	-0.005	-21.11	0.00000	0.00000
Fe	9.07	0.0549	1.09	0.00000	0.00000
K	28.11	-0.020	-91.64	0.00000	0.00000
La	9.70	-0.001	-158.77	0.00000	0.00000
Li	6.21	-0.000	-916.60	0.00000	0.00000
Mg	19.32	0.0583	0.53	0.00000	0.00000
Mn	7.41	0.0016	12.50	0.00000	0.00000
Mo	6.41	-0.004	-0.80	0.00000	0.00000
Na	7.53	0.2451	3.67	0.00000	0.00000
Nd	6.43	-0.012	-65.46	0.00000	0.00000
Ni	6.10	-0.002	-103.92	0.00000	0.00000
P	8.25	-0.064	-52.72	0.00000	0.00000
Pb	9.88	0.0077	126.20	0.00000	0.00000
Re	6.22	-0.003	-88.19	0.00000	0.00000
Rh	10.84	-0.019	-34.64	0.00000	0.00000
Ru	10.87	(-0.053	-13.33	0.00000	0.00000
Sb	4.89	-0.013	-251.65	0.00000	0.00000
Se	9.92	-0.019	-237.60	0.00000	0.00000
Si	8.14	0.2901	0.71	0.00000	0.00000
Sr	7.44	0.0010	3.21	0.00000	0.00000
Te	5.74	-0.012	-99.22	0.00000	0.00000
Th	9.51	-0.025	-26.65	0.00000	0.00000
Ti	4.94	0.0036	45.83	0.00000	0.00000
Tl	5.99	0.9060	41.31	0.00000	0.00000
U*	39.04	-0.117	-56.93	0.00000	0.00000

```
V          12.09   0.0000  8004200  0.00000  0.00000
Zn          5.85   0.0050    23.27  0.00000  0.00000
Zr          8.78   0.0024    10.19  0.00000  0.00000


 ore samples [Y/N] ?
Sample name     = 901276
Sample number   = 1718
Sample code 1   = A4
Sample code 2   = SPIKE
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901276
Sample number   : 1718
Sample code 1   : A4
Sample code 2   : SPIKE
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  15:25:11
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.08000 Al 11.6400 As 24.1600 B  7.33000 Ba 117.800 Be 26.3600 Ca 104.110
Cd 10.6600 Ce 13.7900 Co 41.0100 Cr 6.63000 Cu 22.4200 Dy 8.05000 Fe 8.56000
K  27.2800 La 8.81000 Li 6.01000 Mg 17.8200 Mn 55.5600 Mo 5.79000 Na 7.69000
Nd 6.08000 Ni 9.02000 P  7.16000 Pb 10.7200 Re 5.78000 Rh 9.51000 Ru 10.0500
Sb 5.02000 Se 11.7100 Si 7.63000 Sr 7.00000 Te 5.32000 Th 8.30000 Ti 4.64000
Tl 5.97000 U  34.9900 V  29.1200 Zn 28.4600 Zr 7.91000
[1] Direct Intensities
Ag 6.18000 Al 11.6600 As 24.5800 B  7.30000 Ba 118.300 Be 26.5000 Ca 104.600
Cd 10.7900 Ce 13.8600 Co 41.1500 Cr 6.63000 Cu 22.4300 Dy 8.00000 Fe 8.54000
K  27.2300 La 8.85000 Li 6.00000 Mg 17.9300 Mn 55.8600 Mo 5.76000 Na 7.69000
Nd 6.07000 Ni 9.03000 P  7.14000 Pb 10.6800 Re 5.74000 Rh 9.49000 Ru 10.1000
Sb 4.97000 Se 11.8800 Si 7.60000 Sr 7.04000 Te 5.30000 Th 8.35000 Ti 4.68000
Tl 5.95000 U  35.1400 V  29.0200 Zn 28.5200 Zr 7.94000
[1] Direct Intensities
Ag 6.16000 Al 11.6400 As 23.7500 B  7.30000 Ba 118.000 Be 26.5100 Ca 104.400
Cd 10.6900 Ce 13.8800 Co 41.2900 Cr 6.64000 Cu 22.4000 Dy 8.05000 Fe 8.54000
K  27.2300 La 8.93000 Li 6.00000 Mg 17.9430 Mn 55.9600 Mo 5.88000 Na 7.70000
Nd 6.07000 Ni 9.07000 P  7.12000 Pb 10.6900 Re 5.78000 Rh 9.51000 Ru 10.0800
Sb 5.06000 Se 11.8800 Si 7.64000 Sr 7.06000 Te 5.38000 Th 8.40000 Ti 4.66000
Tl 5.94000 U  35.3200 V  29.0800 Zn 28.6700 Zr 7.94000

NAME       MV INT   CONCEN      RSD     BCOR     SCOR

Ag          6.56   -0.003  -144.31  0.00000  0.00000
Al         13.36   0.1303     2.58  0.00000  0.00000
As         29.04   1.6766     4.34  0.00000  0.00000
B           8.16   0.1388     1.05  0.00000  0.00000
Ba        143.91   1.9848     0.23  0.00000  0.00000
Be         32.76   0.0474     0.44  0.00000  0.00000
Ca        124.16   0.3635     0.25  0.00000  0.00000
Cd         12.63   0.0487     4.04  0.00000  0.00000
Ce         15.34   -0.044   -44.30  0.00000  0.00000
Co         46.31   0.4037     8.88  0.00000  0.00000
Cr          7.17   0.0120     3.69  0.00000  0.00000
Cu         25.13   0.2464     0.15  0.00000  0.00000
Dy          8.57   -0.004   -30.93  0.00000  0.00000
```

Fe	9.36	0.0644	0.00	0.00000	0.00000
K	28.10	-0.027	-66.62	0.00000	0.00000
La	9.64	-0.004	-96.48	0.00000	0.00000
Li	6.18	-0.002	-21.65	0.00000	0.00000
Mg	22.70	0.0711	0.48	0.00000	0.00000
n	76.21	0.5009	0.42	0.00000	0.00000
,o	6.42	-0.004	-78.86	0.00000	0.00000
Na	8.11	0.5490	0.62	0.00000	0.00000
Nd	6.42	-0.019	-15.75	0.00000	0.00000
Ni	10.86	0.4922	0.79	0.00000	0.00000
P	8.34	0.0167	100.00	0.00000	0.00000
Pb	12.56	0.5045	1.10	0.00000	0.00000
Re	6.19	-0.005	-43.30	0.00000	0.00000
Rh	10.80	-0.029	-15.06	0.00000	0.00000
Ru	10.80	(-0.059	-5.32	0.00000	0.00000
Sb	5.42	0.4785	12.19	0.00000	0.00000
Se	13.56	1.2847	2.65	0.00000	0.00000
Si	8.48	0.3869	1.93	0.00000	0.00000
Sr	7.47	0.0012	14.55	0.00000	0.00000
Te	5.73	-0.015	-124.90	0.00000	0.00000
Th	9.47	-0.047	-62.50	0.00000	0.00000
Ti	4.95	0.0039	54.55	0.00000	0.00000
Tl	6.32	2.7179	3.82	0.00000	0.00000
U	38.82	-0.283	-53.88	0.00000	0.00000
V	36.81	0.4877	0.27	0.00000	0.00000
Zn	36.56	0.4953	0.46	0.00000	0.00000
Zr	8.88	-0.001	-103.92	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901276
Sample number   = 1719
Sample code 1   = A3
Sample code 2   = 1P0641
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901276
Sample number   : 1719
Sample code 1   : A3
Sample code 2   : 1P0641
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  15:29:35
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.20000 Al 12.7800 As 26.6600 B  10.2500 Ba 121.000 Be 26.4900 Ca 583.800
Cd 11.3000 Ce 13.9800 Co 41.2800 Cr 46.9900 Cu 25.8100 Dy 8.01000 Fe 1530.00
K  28.4400 La 9.17000 Li 6.02000 Mg 110.700 Mn 75.9500 Mo 5.92000 Na 724.400
Nd 6.04000 Ni 9.56000 P  89.0100 Pb 15.9900 Re 6.08000 Rh 9.49000 Ru 15.3600
Sb 4.99000 Se 13.3800 Si 19.9400 Sr 173.100 Te 5.47000 Th 8.40000 Ti 4.72000
Tl 6.02000 U  38.3600 V  29.5700 Zn 49.3300 Zr 8.21000
[1] Direct Intensities
Ag 6.21000 Al 12.8000 As 27.1300 B  10.2700 Ba 121.000 Be 26.5800 Ca 584.100
Cd 11.3600 Ce 14.0100 Co 41.4900 Cr 47.1800 Cu 25.9300 Dy 8.09000 Fe 1535.00
K  28.7500 La 9.17000 Li 6.03000 Mg 111.000 Mn 76.1500 Mo 5.95000 Na 721.700
Nd 6.07000 Ni 9.62000 P  88.4300 Pb 16.0500 Re 5.99000 Rh 9.51000 Ru 15.4300
Sb 5.06000 Se 13.5000 Si 20.0100 Sr 173.000 Te 5.52000 Th 8.48000 Ti 4.74000
```

Tl 5.93000 U 38.6300 V 29.5300 Zn 49.5100 Zr 8.28000
[1] Direct Intensities
Ag 6.20000 Al 12.8000 As 26.5700 B 10.2400 Ba 121.100 Be 26.5300 Ca 583.900
Cd 11.2600 Ce 13.9900 Co 41.4000 Cr 47.1400 Cu 25.9000 Dy 8.09000 Fe 1532.00
K 28.6000 La 9.17000 Li 6.02000 Mg 110.900 Mn 76.1000 Mo 6.18000 Na 723.300
Nd 6.08000 Ni 9.59000 P 89.8700 Pb 15.9500 Re 6.07000 Rh 9.49000 Ru 15.3400
Sb 4.98000 Se 13.3400 Si 19.9900 Sr 173.200 Te 5.48000 Th 8.41000 Ti 4.73000
Tl 5.90000 U 38.5100 V 29.5900 Zn 49.3600 Zr 8.24000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.63	0.0023	21.65	0.00000	0.00000
Al	14.79	0.4648	0.72	0.00000	0.00000
As	32.55	2.1367	2.47	0.00000	0.00000
B	11.94	0.3864	0.33	0.00000	0.00000
Ba	147.60	2.0383	0.05	0.00000	0.00000
Be	32.86	0.0476	0.24	0.00000	0.00000
Ca	701.68	2.1174	0.03	0.00000	0.00000
Cd	13.49	0.0658	2.21	0.00000	0.00000
Ce	15.53	0.0179	35.25	0.00000	0.00000
Co	46.65	0.4651	5.80	0.00000	0.00000
Cr	62.63	3.1047	0.25	0.00000	0.00000
Cu	28.94	0.3309	0.46	0.00000	0.00000
Dy	8.61	-0.003	-72.93	0.00000	0.00000
Fe	2086.63	)68.021	0.16	0.00000	0.00000
K	29.58	0.8025	11.86	0.00000	0.00000
La	10.02	0.0151	0.00	0.00000	0.00000
Li	6.21	-0.000	-86.60	0.00000	0.00000
Mg	147.84	0.5461	0.14	0.00000	0.00000
Mn	104.60	0.7068	0.15	0.00000	0.00000
Mo	6.73	0.0061	112.30	0.00000	0.00000
Na	816.14	)421.38	0.19	0.00000	0.00000
Nd	6.41	-0.024	-44.61	0.00000	0.00000
Ni	11.63	0.5730	0.77	0.00000	0.00000
P	82.79	)68.300	0.08	0.00000	0.00000
Pb	19.92	1.8696	0.69	0.00000	0.00000
Re	6.54	0.0222	21.76	0.00000	0.00000
Rh	10.79	-0.031	-13.86	0.00000	0.00000
Ru	18.22	0.5986	0.98	0.00000	0.00000
Sb	5.41	0.4699	12.00	0.00000	0.00000
Se	15.66	2.0418	1.75	0.00000	0.00000
Si	24.36	4.8131	0.27	0.00000	0.00000
Sr	207.96	0.9418	0.06	0.00000	0.00000
Te	5.94	0.0539	21.45	0.00000	0.00000
Th	9.57	-0.000	*******	0.00000	0.00000
Ti	5.04	0.0114	9.38	0.00000	0.00000
Tl	6.31	2.6953	15.74	0.00000	0.00000
U	42.79	2.8124	4.44	0.00000	0.00000
V	37.47	0.5006	0.16	0.00000	0.00000
Zn	64.25	0.9374	0.22	0.00000	0.00000
Zr	9.29	0.0124	11.84	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901276
Sample number = 1720
Sample code 1 = A2
Sample code 2 = 1P0481
Sample code 3 = DIRECT

```
Weight        =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901276
 ample number   : 1720
Sample code 1   : A2
Sample code 2   : 1P0481
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  15:34:36
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.24000 Al 12.7900 As 16.4400 B  10.0700 Ba 9.99000 Be 7.42000 Ca 572.400
Cd 9.59000 Ce 13.9800 Co 39.5000 Cr 46.7400 Cu 19.1500 Dy 8.09000 Fe 1520.00
K  28.4900 La 9.16000 Li 6.06000 Mg 109.700 Mn 27.0300 Mo 6.05000 Na 716.500
Nd 6.11000 Ni 6.25000 P  89.0300 Pb 13.9800 Re 6.10000 Rh 9.53000 Ru 15.3300
Sb 4.66000 Se 10.7000 Si 10.5200 Sr 171.100 Te 5.42000 Th 8.42000 Ti 4.73000
Tl 5.80000 U  38.3800 V  10.9200 Zn 27.7300 Zr 8.28000
[1] Direct Intensities
Ag 6.28000 Al 12.7900 As 16.5800 B  10.0000 Ba 9.99000 Be 7.48000 Ca 571.600
Cd 9.60000 Ce 14.0600 Co 39.6500 Cr 46.9200 Cu 19.1400 Dy 8.05000 Fe 1525.00
K  28.7900 La 9.19000 Li 6.05000 Mg 110.100 Mn 27.1300 Mo 5.92000 Na 713.600
Nd 6.08000 Ni 6.28000 P  87.8900 Pb 14.0100 Re 6.02000 Rh 9.54000 Ru 15.3500
Sb 4.68000 Se 10.7800 Si 10.5800 Sr 171.000 Te 5.48000 Th 8.44000 Ti 4.74000
Tl 5.74000 U  38.5600 V  10.9000 Zn 27.7600 Zr 8.34000
[1] Direct Intensities
Ag 6.23000 Al 12.7500 As 16.5500 B  10.1200 Ba 9.99000 Be 7.48000 Ca 570.800
Cd 9.62000 Ce 14.0200 Co 39.6400 Cr 46.8400 Cu 19.0800 Dy 8.09000 Fe 1524.00
K  28.6100 La 9.19000 Li 6.02000 Mg 109.800 Mn 27.0400 Mo 6.18000 Na 712.600
Nd 6.08000 Ni 6.25000 P  87.8200 Pb 13.9300 Re 6.00000 Rh 9.49000 Ru 15.3000
Sb 4.67000 Se 10.6900 Si 10.4900 Sr 170.800 Te 5.45000 Th 8.44000 Ti 4.73000
Tl 5.74000 U  38.5400 V  10.8600 Zn 27.6800 Zr 8.31000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.69	0.0062	36.08	0.00000	0.00000
Al	14.77	0.4599	1.46	0.00000	0.00000
As	18.81	0.3367	3.84	0.00000	0.00000
B	11.73	0.3727	0.60	0.00000	0.00000
Ba	11.18	0.0571	0.00	0.00000	0.00000
Be	8.16	-0.000	-1039.8	0.00000	0.00000
Ca	686.83	2.0723	0.14	0.00000	0.00000
Cd	11.02	0.0167	2.65	0.00000	0.00000
Ce	15.57	0.0288	57.14	0.00000	0.00000
Co	44.15	0.0060	359.47	0.00000	0.00000
Cr	62.26	3.0840	0.22	0.00000	0.00000
Cu	21.51	0.1661	0.56	0.00000	0.00000
Dy	8.62	-0.002	-46.19	0.00000	0.00000
Fe	2073.90	)67.605	0.17	0.00000	0.00000
K	29.61	0.8230	11.27	0.00000	0.00000
La	10.03	0.0158	6.84	0.00000	0.00000
Li	6.23	0.0009	156.12	0.00000	0.00000
Mg	146.49	0.5410	0.20	0.00000	0.00000
Mn	35.99	0.2090	0.27	0.00000	0.00000
Mo	6.77	0.0077	81.25	0.00000	0.00000
Na	806.09	)416.14	0.29	0.00000	0.00000
Nd	6.44	-0.010	-96.60	0.00000	0.00000
Ni	6.93	0.0842	3.02	0.00000	0.00000
P*	82.01	)67.584	0.84	0.00000	0.00000

Pb	17.11	1.3488	0.77	0.00000	0.00000
Re	6.53	0.0216	24.05	0.00000	0.00000
Rh	10.82	-0.022	-44.07	0.00000	0.00000
Ru	18.15	0.5924	0.53	0.00000	0.00000
Sb	4.93	0.0302	42.86	0.00000	0.00000
e	12.09	0.7587	3.11	0.00000	0.00000
i	12.22	1.4281	1.15	0.00000	0.00000
Sr	205.39	0.9297	0.09	0.00000	0.00000
Te	5.89	0.0364	36.00	0.00000	0.00000
Th	9.57	0.0020	346.50	0.00000	0.00000
Ti	5.05	0.0118	5.25	0.00000	0.00000
Tl	6.08	1.4043	16.76	0.00000	0.00000
U	42.79	2.8063	3.25	0.00000	0.00000
V	12.44	0.0068	11.90	0.00000	0.00000
Zn	35.46	0.4778	0.19	0.00000	0.00000
Zr	9.38	0.0152	8.26	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901276
Sample number   = 1751
Sample code 1   = A1
Sample code 2   = 1P0798
Sample code 3   = DIRECT
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901276
Sample number   : 1721
Sample code 1   : A1
Sample code 2   : 1P0798
Sample code 3   : DIRECT
Programme       : ALLELE          17-Sep-90  15:39:26
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.24000 Al 13.3300 As 16.5000 B  9.50000 Ba 10.1500 Be 7.46000 Ca 567.000
Cd 9.63000 Ce 14.0700 Co 39.7000 Cr 47.9100 Cu 16.0800 Dy 8.10000 Fe 1540.00
K  28.8200 La 9.17000 Li 6.35000 Mg 110.500 Mn 27.5800 Mo 6.11000 Na 719.800
Nd 6.12000 Ni 6.38000 P  88.8600 Pb 14.3500 Re 6.06000 Rh 9.58000 Ru 15.3400
Sb 4.70000 Se 10.8800 Si 9.88000 Sr 172.600 Te 5.49000 Th 8.48000 Ti 4.74000
Tl 5.78000 U  38.6900 V  10.9800 Zn 26.4600 Zr 8.25000
[1] Direct Intensities
Ag 6.22000 Al 13.2800 As 16.6700 B  9.58000 Ba 10.1400 Be 7.41000 Ca 570.700
Cd 9.59000 Ce 14.0000 Co 39.6200 Cr 48.0000 Cu 16.1700 Dy 8.00000 Fe 1545.00
K  28.6800 La 9.18000 Li 6.02000 Mg 110.900 Mn 27.6000 Mo 6.01000 Na 724.700
Nd 6.08000 Ni 6.38000 P  88.8000 Pb 14.3000 Re 5.99000 Rh 9.52000 Ru 15.3400
Sb 4.65000 Se 10.7300 Si 9.86000 Sr 173.600 Te 5.47000 Th 8.44000 Ti 4.74000
Tl 5.65000 U  38.4900 V  10.8900 Zn 26.6100 Zr 8.22000
[1] Direct Intensities
Ag 6.22000 Al 13.3000 As 16.7900 B  9.50000 Ba 10.1000 Be 7.43000 Ca 567.900
Cd 9.52000 Ce 14.0300 Co 39.7200 Cr 47.8800 Cu 16.0800 Dy 8.03000 Fe 1542.00
K  28.6700 La 9.14000 Li 6.01000 Mg 110.600 Mn 27.5100 Mo 5.97000 Na 720.200
Nd 6.10000 Ni 6.38000 P  88.5000 Pb 14.2800 Re 6.06000 Rh 9.55000 Ru 15.3800
Sb 4.65000 Se 10.6700 Si 9.81000 Sr 172.800 Te 5.44000 Th 8.45000 Ti 4.73000
Tl 5.50000 U  38.6400 V  10.9500 Zn 26.4900 Zr 8.25000

NAME      MV INT   CONCEN      RSD     BCOR     SCOR
```

Ag	6.66	0.0042	23.09	0.00000	0.00000
Al	15.43	0.6135	1.30	0.00000	0.00000
As	18.98	0.3595	7.11	0.00000	0.00000
B	11.04	0.3275	1.19	0.00000	0.00000
Ba	11.35	0.0596	0.79	0.00000	0.00000
Be	8.12	-0.000	-83.89	0.00000	0.00000
Ca	683.13	2.0610	0.34	0.00000	0.00000
Cd	10.98	0.0160	10.06	0.00000	0.00000
Ce	15.58	0.0343	42.14	0.00000	0.00000
Co	44.26	0.0273	49.61	0.00000	0.00000
Cr	63.76	3.1678	0.15	0.00000	0.00000
Cu	18.20	0.0925	1.37	0.00000	0.00000
Dy	8.58	-0.004	-61.58	0.00000	0.00000
Fe	2100.26	)68.467	0.16	0.00000	0.00000
K	29.72	0.8803	5.85	0.00000	0.00000
La	10.01	0.0147	8.80	0.00000	0.00000
Li	6.21	-0.000	-624.65	0.00000	0.00000
Mg	147.57	0.5451	0.20	0.00000	0.00000
Mn	36.69	0.2141	0.22	0.00000	0.00000
Mo	6.75	0.0067	51.51	0.00000	0.00000
Na	814.37	)420.46	0.38	0.00000	0.00000
Nd	6.45	-0.005	-199.98	0.00000	0.00000
Ni	7.10	0.1018	0.00	0.00000	0.00000
P	82.44	)67.981	0.24	0.00000	0.00000
Pb	17.58	1.4354	0.65	0.00000	0.00000
Re	6.53	0.0212	18.65	0.00000	0.00000
Rh	10.86	-0.011	-99.99	0.00000	0.00000
Ru	18.19	0.5957	0.48	0.00000	0.00000
Sb	4.93	0.0259	144.34	0.00000	0.00000
Se	12.14	0.7762	6.66	0.00000	0.00000
Si	11.35	1.1845	1.09	0.00000	0.00000
Sr	207.84	0.9412	0.32	0.00000	0.00000
Te	5.91	0.0437	25.17	0.00000	0.00000
Th	9.60	0.0156	78.07	0.00000	0.00000
Ti	5.05	0.0121	5.09	0.00000	0.00000
Tl	5.94	0.6115	155.69	0.00000	0.00000
U	42.92	2.9110	3.36	0.00000	0.00000
V	12.50	0.0080	15.11	0.00000	0.00000
Zn	33.87	0.4522	0.37	0.00000	0.00000
Zr	9.29	0.0123	5.90	0.00000	0.00000

```
More samples [Y/N] ?
Sample name    = CH2
Sample number  = 1722
Sample code 1  =
Sample code 2  =
Sample code 3  =
Weight         =

Press <CR> when ready to start measurement
24:132H6n
Sample name    : CH2
Sample number  : 1722
Programme      : ALLELE          17-Sep-90  15:44:35
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 7.24000 Al 12.5900 As 71.1400 B  6.03000 Ba 567.900 Be 407.600 Ca 14.2900
Cd 9.54000 Ce 38.1300 Co 78.0000 Cr 6.69000 Cu 422.300 Dy 8.47000 Fe 230.400
```

K 27.2800 La 9.99000 Li 6.03000 Mg 1952.00 Mn 6.80000 Mo 210.700 Na 24.1200
Nd 6.32000 Ni 73.2900 P 8.08000 Pb 47.0200 Re 5.97000 Rh 36.2800 Ru 11.1500
Sb 20.0500 Se 11.6100 Si 7.39000 Sr 1775.00 Te 28.1900 Th 9.99000 Ti 97.6600
Tl 5.80000 U 71.7900 V 387.300 Zn 473.600 Zr 247.100
[1] Direct Intensities
g 7.28000 Al 12.6200 As 71.1300 B 6.04000 Ba 569.600 Be 408.800 Ca 14.3600
Cd 9.54000 Ce 38.2100 Co 78.2900 Cr 6.74000 Cu 423.500 Dy 8.52000 Fe 231.400
K 27.2900 La 10.0000 Li 6.03000 Mg 1961.00 Mn 6.81000 Mo 210.600 Na 24.1100
Nd 6.34000 Ni 73.7000 P 8.19000 Pb 47.4400 Re 5.98000 Rh 36.3000 Ru 11.1600
Sb 20.2800 Se 11.5900 Si 7.39000 Sr 1778.00 Te 28.1300 Th 9.98000 Ti 97.9400
Tl 6.04000 U 72.0700 V 388.900 Zn 476.100 Zr 247.600
[1] Direct Intensities
Ag 7.26000 Al 12.6000 As 71.1100 B 6.11000 Ba 567.600 Be 408.100 Ca 14.2800
Cd 9.55000 Ce 38.1400 Co 78.2800 Cr 6.70000 Cu 422.000 Dy 8.50000 Fe 231.000
K 27.2100 La 10.0000 Li 6.06000 Mg 1959.00 Mn 6.79000 Mo 209.500 Na 23.9800
Nd 6.33000 Ni 73.6100 P 8.19000 Pb 47.1000 Re 5.89000 Rh 36.2600 Ru 11.1400
Sb 20.0900 Se 11.7500 Si 7.40000 Sr 1772.00 Te 28.1700 Th 9.98000 Ti 97.7300
Tl 6.02000 U 71.9400 V 387.800 Zn 474.700 Zr 247.300

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.84	0.0916	1.85	0.00000	0.00000
Al	14.55	0.4093	1.09	0.00000	0.00000
As	91.92	9.9130	0.83	0.00000	0.00000
B	6.55	0.0336	10.90	0.00000	0.00000
Ba	697.15	10.020	0.19	0.00000	0.00000
Be	527.08	1.0001	0.15	0.00000	0.00000
Ca	15.71	0.0342	0.47	0.00000	0.00000
Cd	10.93	0.0149	1.12	0.00000	0.00000
Ce	46.32	9.9766	0.18	0.00000	0.00000
Co	97.98	9.8873	0.43	0.00000	0.00000
Cr	7.28	0.0178	11.34	0.00000	0.00000
Cu	465.37	10.010	0.19	0.00000	0.00000
Dy	9.13	0.0172	6.80	0.00000	0.00000
Fe	312.52	9.9822	0.22	0.00000	0.00000
K	28.11	-0.018	-145.29	0.00000	0.00000
La	11.03	0.0666	0.54	0.00000	0.00000
Li	6.22	0.0007	173.19	0.00000	0.00000
Mg	2633.28	9.9796	0.24	0.00000	0.00000
Mn	7.62	0.0031	3.23	0.00000	0.00000
Mo	306.56	9.7814	0.33	0.00000	0.00000
Na	26.61	10.182	0.45	0.00000	0.00000
Nd	6.71	0.1122	4.55	0.00000	0.00000
Ni	101.98	9.9594	0.32	0.00000	0.00000
P	9.26	0.8609	6.15	0.00000	0.00000
Pb	63.19	9.8979	0.58	0.00000	0.00000
Re	6.42	0.0124	38.94	0.00000	0.00000
Rh	43.82	9.9776	0.07	0.00000	0.00000
Ru	12.28	0.0719	4.56	0.00000	0.00000
Sb	26.56	20.038	0.79	0.00000	0.00000
Se	13.32	1.2018	3.47	0.00000	0.00000
Si	8.19	0.3045	0.68	0.00000	0.00000
Sr	2141.89	10.015	0.17	0.00000	0.00000
Te	37.02	9.9679	0.13	0.00000	0.00000
Th	11.49	0.9091	0.37	0.00000	0.00000
Ti	133.66	9.9839	0.16	0.00000	0.00000
Tl	6.32	2.7179	33.29	0.00000	0.00000
U	82.43	33.709	0.38	0.00000	0.00000
V	518.06	9.9815	0.22	0.00000	0.00000
Zn	629.32	9.9583	0.25	0.00000	0.00000

```
Zr        320.14   10.001     3.11  0.00000  0.00000


More samples [Y/N] ?
Sample name     = CL1
 ample number   = 1723
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CL1
Sample number   : 1723
Programme       : ALLELE          17-Sep-90  15:51:32
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.16000 Al 11.2300 As 14.6900 B  5.67000 Ba 6.78000 Be 7.45000 Ca 4.95000
Cd 8.98000 Ce 13.8100 Co 39.2800 Cr 6.48000 Cu 12.2300 Dy 8.06000 Fe 7.08000
K  27.1200 La 8.90000 Li 5.99000 Mg 4.01000 Mn 6.44000 Mo 5.80000 Na 6.76000
Nd 6.04000 Ni 5.63000 P  7.06000 Pb 8.76000 Re 5.76000 Rh 9.48000 Ru 10.1300
Sb 4.64000 Se 9.07000 Si 6.52000 Sr 6.81000 Te 5.38000 Th 8.35000 Ti 4.59000
Tl 5.72000 U  35.1900 V  10.5500 Zn 5.19000 Zr 7.90000
[1] Direct Intensities
Ag 6.16000 Al 11.2700 As 14.5000 B  5.66000 Ba 6.75000 Be 7.46000 Ca 4.94000
Cd 8.97000 Ce 13.8600 Co 39.3600 Cr 6.47000 Cu 12.2600 Dy 8.08000 Fe 7.05000
K  27.0200 La 8.85000 Li 6.00000 Mg 3.98000 Mn 6.47000 Mo 5.68000 Na 6.72000
Nd 6.04000 Ni 5.61000 P  7.02000 Pb 8.72000 Re 5.78000 Rh 9.53000 Ru 10.1800
Sb 4.62000 Se 9.12000 Si 6.51000 Sr 6.80000 Te 5.34000 Th 8.35000 Ti 4.59000
Tl 5.69000 U  35.2500 V  10.5800 Zn 5.16000 Zr 7.94000
[1] Direct Intensities
Ag 6.13000 Al 11.2500 As 14.5600 B  5.66000 Ba 6.79000 Be 7.46000 Ca 4.96000
Cd 8.92000 Ce 13.8900 Co 39.4300 Cr 6.47000 Cu 12.3100 Dy 8.09000 Fe 7.09000
K  27.1400 La 8.90000 Li 5.99000 Mg 3.98000 Mn 6.47000 Mo 5.74000 Na 6.75000
Nd 6.06000 Ni 5.63000 P  7.04000 Pb 8.71000 Re 5.72000 Rh 9.53000 Ru 10.0900
Sb 4.65000 Se 9.17000 Si 6.53000 Sr 6.81000 Te 5.27000 Th 8.39000 Ti 4.58000
Tl 5.64000 U  35.3500 V  10.5900 Zn 5.18000 Zr 7.94000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.57	-0.002	-64.95	0.00000	0.00000
Al	12.86	0.0146	40.00	0.00000	0.00000
As	16.21	-0.004	-485.58	0.00000	0.00000
B	6.04	0.0003	173.21	0.00000	0.00000
Ba	7.23	-0.000	-124.98	0.00000	0.00000
Be	8.15	-0.000	-86.62	0.00000	0.00000
Ca	4.43	-0.000	-60.00	0.00000	0.00000
Cd	10.08	-0.002	-45.92	0.00000	0.00000
Ce	15.35	-0.040	-41.81	0.00000	0.00000
Co	43.81	-0.055	-34.64	0.00000	0.00000
Cr	6.96	-0.000	-173.22	0.00000	0.00000
Cu	13.97	-0.001	-30.83	0.00000	0.00000
Dy	8.62	-0.002	-21.65	0.00000	0.00000
Fe	7.34	-0.001	-51.96	0.00000	0.00000
K	27.93	-0.121	-32.69	0.00000	0.00000
La	9.66	-0.003	-66.62	0.00000	0.00000
Li	6.17	-0.003	-15.75	0.00000	0.00000
Mg	3.98	0.0001	173.23	0.00000	0.00000

Mn	7.14	-0.000	-57.73	0.00000	0.00000
Mo	6.32	-0.007	-40.80	0.00000	0.00000
Na	7.04	-0.010	-124.90	0.00000	0.00000
Nd	6.39	-0.032	-18.23	0.00000	0.00000
Ni	6.03	-0.009	-18.23	0.00000	0.00000
P	9.25	-0.067	-25.00	0.00000	0.00000
Pb	9.84	-0.001	-793.66	0.00000	0.00000
Re	6.17	-0.007	-45.83	0.00000	0.00000
Rh	10.81	-0.025	-43.30	0.00000	0.00000
Ru	10.88	(-0.052	-10.82	0.00000	0.00000
Sb	4.89	-0.013	-152.74	0.00000	0.00000
Se	9.95	-0.008	-299.98	0.00000	0.00000
Si	7.07	-0.008	-42.86	0.00000	0.00000
Sr	7.20	-0.000	-34.64	0.00000	0.00000
Te	5.72	-0.016	-151.85	0.00000	0.00000
Th	9.48	-0.039	-34.64	0.00000	0.00000
Ti	4.85	-0.004	-15.75	0.00000	0.00000
Tl	5.99	0.8833	31.09	0.00000	0.00000
U	38.96	-0.179	-41.81	0.00000	0.00000
V	12.01	-0.002	-32.87	0.00000	0.00000
Zn	5.52	-0.000	-114.57	0.00000	0.00000
Zr	8.88	-0.001	-115.47	0.00000	0.00000

More samples [Y/N] ? N
>LGF

Samp Log#:	90-0300a1	90-0300a2		90-0301a1	90-0300a2		90-0300a3	90-0301a3			
Dilution:	1.00	1.00		1.00	1.00		1.00	1.00			
Wt% Fctr:	0.49820	0.43861		0.47429	0.47535		0.47063	0.47063			
ICP Run#:	1642	1641		1643	1644		1640	1645			
	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	DL (ug/mL)	QL (ug/mL)
Ag	<DL	<DL		<DL	<DL		<DL	<DL		0.0199	0.0665
Al	<DL	<DL		<DL	<DL		<DL	<DL		0.0591	0.1969
As	<DL	<DL		<DL	<DL		<DL	<DL		0.1171	0.3904
B	<DL	<DL		<DL	<DL		<DL	<DL		0.1148	0.3826
Ba	<DL	<DL		<DL	<DL		<DL	<DL		0.0044	0.0146
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0003	0.0009
Ca	0.0691	0.0594	15.1%	0.0544	0.0580	6.4%	0.0082	0.0103	22.4%	0.0013	0.0045
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.0101	0.0335
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.3217	1.0722
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.5001	1.6668
Cr	0.0701	0.0697	0.6%	0.0704	0.0707	0.4%	<DL	<DL		0.0167	0.0557
Cu	<DL	<DL		<DL	<DL		<DL	<DL		0.0152	0.0508
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0181	0.0604
Fe	1.3704	1.3792	0.6%	1.3607	1.3904	2.2%	<DL	<DL		0.0118	0.0395
K										0.7315	2.4385
La	<DL	<DL		<DL	<DL		<DL	<DL		0.0247	0.0823
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0214	0.0712
Mg	0.0157	0.0162	3.3%	0.0132	0.0146	10.5%	<DL	(0.0009)		0.0015	0.0050
Mn	0.0048	0.0052	8.7%	0.0047	0.0055	16.1%	<DL	<DL		0.0019	0.0063
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0363	0.1210
Na	9.4444	9.4091	0.4%	9.4598	9.5913	1.4%	<DL	<DL		0.2702	0.9006
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.1111	0.3702
Ni										0.0231	0.0769
P	1.5579	1.5076	3.3%	1.4882	1.5079	1.3%	<DL	<DL		0.3481	1.1604
Pb	<DL	<DL		<DL	<DL		<DL	<DL		0.1055	0.3518
Re	<DL	<DL		<DL	<DL		<DL	<DL		0.0249	0.0830
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.1541	0.5137
Ru	<DL	<DL		<DL	<DL		<DL	<DL		0.0820	0.2733
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.3449	1.1496
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.2326	0.7755
Si	0.7394	0.7517	1.6%	0.7380	0.7738	4.7%	<DL	<DL		0.0927	0.3090
Sr	0.0149	0.0149	0.1%	0.0149	0.0152	1.8%	<DL	<DL		0.0017	0.0058
Te	<DL	<DL		<DL	<DL		<DL	<DL		0.1011	0.3369
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.1754	0.5845
Ti	<DL	<DL		<DL	<DL		<DL	<DL		0.0135	0.0450
Tl	<DL	<DL		<DL	<DL		<DL	<DL		2.5070	8.3567
U	<DL	<DL		<DL	<DL		<DL	<DL		1.6162	5.3874
V	<DL	<DL		<DL	<DL		<DL	<DL		0.0173	0.0578
Zn	(0.0055)	(0.0044)	21.2%	(0.0024)	(0.0028)	14.9%	<DL	<DL		0.0044	0.0146
Zr	<DL	<DL		<DL	<DL		<DL	<DL		0.0143	0.0478
Bi	1.5743	1.6185	2.8%	1.5557	1.5259	1.9%	0.0094	0.0188	66.7%		

09/26/90

Date: 9/13/90
Project: SST
Procedure: PNL-SP-7

Analyst: D. P. [illegible] 10/12/90
Reviewer: M. [illegible] 10/12/90

File: icp0300f
Reported: 09/26/90

Sample Log#	90-0300a1	90-0300a2	90-0301a1	90-0300a2	90-0300a3	90-0301a3
ID	S1	S2	S1	S2	S1	S2
Prep Type	Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g	0.554	0.629	0.581	0.580	0.586	0.586
Makeup Vol-mL	250.0	250.0	250.0	250.0	250.0	250.0
Dil: Smpl-mL	0.9971	0.9971	0.9971	0.9971	0.9971	0.9971
Dil: Vol-mL	10.00	10.00	10.00	10.00	10.00	10.00
Prep Factor	4981.97	4386.07	4742.90	4753.53	4706.27	4706.27
Spike ID						
Spike Vol-mL						
Spike Dilution						
ICP Dilution	1.00	1.00	1.00	1.00	1.00	1.00
Wt% Factor	0.49820	0.43861	0.47429	0.47535	0.47063	0.47063
ICP Run #	1642	1641	1643	1644	1640	1645
Weight % Ag	-0.0045	-0.0031	-0.0033	-0.0047	-0.0061	-0.0052
Al	-0.0025	0.0042	-0.0061	-0.0043	-0.0216	-0.0263
As	-0.0408	-0.0491	-0.0308	-0.0356	-0.0409	-0.0447
B	-0.0133	-0.0092	-0.0139	-0.0144	-0.0119	-0.0148
Ba	0.0013	0.0005	0.0006	0.0003	-0.0008	-0.0003
Be	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
Ca	0.0691	0.0594	0.0544	0.0580	0.0082	0.0103
Cd	-0.0019	-0.0026	-0.0028	-0.0028	-0.0028	-0.0023
Ce	-0.0711	-0.0652	-0.0738	-0.0826	-0.0756	-0.0747
Co	-0.1215	-0.1057	-0.1162	-0.1383	-0.1209	-0.1251
Cr	0.0701	0.0697	0.0704	0.0707	-0.0039	-0.0044
Cu	0.0018	0.0014	0.0015	0.0007	-0.0017	-0.0012
Dy	-0.0052	-0.0042	-0.0045	-0.0050	-0.0045	-0.0045
Fe	1.3704	1.3792	1.3607	1.3904	-0.0012	-0.0007
K	249.0324	229.2586	245.8326	265.8112	235.0157	250.8288
La	-0.0063	-0.0047	-0.0065	-0.0060	-0.0065	-0.0060
Li	-0.0014	-0.0017	-0.0014	-0.0023	-0.0018	-0.0014
Mg	0.0157	0.0162	0.0132	0.0146	0.0004	0.0009
Mn	0.0048	0.0052	0.0047	0.0055	-0.0001	-0.0001
Mo	-0.0161	-0.0129	-0.0149	-0.0149	-0.0180	-0.0157
Na	9.4444	9.4091	9.4598	9.5913	0.0594	0.0632
Nd	-0.0183	-0.0121	-0.0141	-0.0245	-0.0276	-0.0116
Ni	0.1674	0.2169	0.1003	0.1293	0.0343	0.0255
P	1.5579	1.5076	1.4882	1.5079	-0.0102	0.0099
Pb	-0.0096	-0.0023	-0.0059	-0.0063	-0.0265	-0.0223
Re	-0.0084	-0.0048	-0.0066	-0.0071	-0.0084	-0.0066
Rh	-0.0393	-0.0386	-0.0417	-0.0461	-0.0405	-0.0414
Ru	-0.0151	-0.0111	-0.0158	-0.0144	-0.0256	-0.0270
Sb	-0.1311	-0.1023	-0.0983	-0.1151	-0.1140	-0.1116
Se	-0.0588	-0.0285	-0.0455	-0.0622	-0.0659	-0.0475
Si	0.7394	0.7517	0.7380	0.7738	0.0332	-0.0033
Sr	0.0149	0.0149	0.0149	0.0152	-0.0001	-0.0001
Te	-0.0137	-0.0199	-0.0149	-0.0240	-0.0162	-0.0176
Th	-0.0479	-0.0387	-0.0428	-0.0505	-0.0415	-0.0434
Ti	-0.0024	-0.0025	-0.0037	-0.0037	-0.0041	-0.0032
Tl	-0.4217	-0.2366	-0.6400	-0.8810	-0.3776	-0.8826
U	-0.3461	-0.2911	-0.3309	-0.3992	-0.3938	-0.4070
V	-0.0047	-0.0041	-0.0044	-0.0044	-0.0049	-0.0044
Zn	0.0055	0.0044	0.0024	0.0028	-0.0006	-0.0006
Zr	-0.0039	-0.0030	-0.0037	-0.0028	-0.0037	0.0024
Bi	1.5743	1.6185	1.5557	1.5259	0.0094	0.0188

Date: 9/13/90
Project: SST
Procedure: PNL-SP-7
MT&E: WA55672

Data Entry By: JAG 10/12/90
Data Verified By: TMC 10/12/90

File: icp0300f

Sample ID:		90-0300a1	90-0300a2	90-0301a1	90-0300a2	90-0300a3	90-0301a3
ICP Run #		1642	1641	1643	1644	1640	1645
(ug/mL)	Ag	-0.0080	-0.0060	-0.0060	-0.0090	-0.0120	-0.0100
	Al	0.0088	0.0235	0.0010	0.0049	-0.0320	-0.0420
	As	-0.0650	-0.0950	-0.0480	-0.0580	-0.0700	-0.0780
	B	0.0016	0.0074	-0.0010	-0.0020	0.0030	-0.0030
	Ba	0.0032	0.0018	0.0019	0.0013	-0.0010	-0.0000
	Be	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
	Ca	0.1385	0.1352	0.1145	0.1218	0.0173	0.0217
	Cd	-0.0040	-0.0060	-0.0060	-0.0060	-0.0060	-0.0050
	Ce	-0.1140	-0.1200	-0.1270	-0.1450	-0.1320	-0.1300
	Co	-0.2510	-0.2480	-0.2520	-0.2980	-0.2640	-0.2730
	Cr	0.1421	0.1603	0.1497	0.1500	-0.0070	-0.0080
	Cu	0.0051	0.0047	0.0048	0.0030	-0.0020	-0.0010
	Dy	-0.0090	-0.0080	-0.0080	-0.0090	-0.0080	-0.0080
	Fe	2.7513	3.1452	2.8696	2.9256	-0.0020	-0.0010
	K	499.9500	522.7800	518.4000	559.2700	499.4500	533.0500
	La	-0.0100	-0.0080	-0.0110	-0.0100	-0.0110	-0.0100
	Li	-0.0040	-0.0050	-0.0040	-0.0060	-0.0050	-0.0040
	Mg	0.0315	0.0370	0.0277	0.0307	0.0009	0.0019
	Mn	0.0099	0.0122	0.0101	0.0118	-0.0000	-0.0000
(ug/mL)	Mo	-0.0330	-0.0300	-0.0320	-0.0320	-0.0390	-0.0340
	Na	18.9350	21.4300	19.9230	20.1550	0.1040	0.1120
	Nd	-0.0260	-0.0170	-0.0190	-0.0410	-0.0480	-0.0140
	Ni	0.3410	0.4995	0.2163	0.2770	0.0778	0.0592
	P	3.1248	3.4349	3.1354	3.1699	-0.0240	0.0186
	Pb	-0.0100	0.0042	-0.0030	-0.0040	-0.0470	-0.0380
	Re	-0.0140	-0.0080	-0.0110	-0.0120	-0.0150	-0.0110
	Rh	-0.0630	-0.0720	-0.0720	-0.0810	-0.0700	-0.0720
	Ru	-0.0500	-0.0450	-0.0530	-0.0500	-0.0740	-0.0770
	Sb	-0.1610	-0.1310	-0.1050	-0.1400	-0.1400	-0.1350
	Se	-0.0900	-0.0370	-0.0680	-0.1030	-0.1120	-0.0730
	Si	1.4936	1.7232	1.5654	1.6372	0.0800	0.0024
	Sr	0.0302	0.0343	0.0317	0.0322	-0.0000	-0.0000
	Te	-0.0430	-0.0310	-0.0170	-0.0360	-0.0200	-0.0230
	Th	-0.0900	-0.0820	-0.0840	-0.1000	-0.0820	-0.0860
	Ti	-0.0040	-0.0050	-0.0070	-0.0070	-0.0080	-0.0060
	Tl	-0.7670	-0.4600	-1.2700	-1.7740	-0.7230	-1.7960
	U	-0.6770	-0.6460	-0.6800	-0.8220	-0.8190	-0.8470
	V	-0.0070	-0.0070	-0.0070	-0.0070	-0.0080	-0.0070
	Zn	0.0113	0.0104	0.0054	0.0062	-0.0010	-0.0010
	Zr	-0.0060	-0.0050	-0.0060	-0.0040	-0.0060	0.0070
(ug/mL)	Bi	3.1600	3.6900	3.2800	3.2100	0.02	0.0400

Samp Log#:	90-0304a1	90-0304a2		90-0305a1	90-0305a2		90-0304a3	90-0305a3			
Dilution:	1.00	1.00		1.00	1.00		1.00	1.00			
Wt% Fctr:	0.49560	0.49498		0.47725	0.48651		0.48847	0.48847			
ICP Run#:	1652	1651		1653	1654		1650	1655		DL	QL
	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(ug/mL)	(ug/mL)
Ag	<DL	<DL		<DL	<DL		<DL	<DL		0.0199	0.0665
Al	<DL	<DL		<DL	<DL		<DL	<DL		0.0591	0.1969
As	<DL	<DL		<DL	<DL		<DL	<DL		0.1171	0.3904
B	<DL	<DL		<DL	<DL		<DL	<DL		0.1148	0.3826
Ba	<DL	(0.0023)		(0.0022)	(0.0024)	8.3%	<DL	<DL		0.0044	0.0146
Be	<DL	<DL		<DL	<DL		<DL	<DL		0.0003	0.0009
Ca	0.0500	0.0446	11.5%	0.0467	0.0478	2.2%	0.0101	0.0482	130.6%	0.0013	0.0045
Cd	<DL	<DL		<DL	<DL		<DL	<DL		0.0101	0.0335
Ce	<DL	<DL		<DL	<DL		<DL	<DL		0.3217	1.0722
Co	<DL	<DL		<DL	<DL		<DL	<DL		0.5001	1.6668
Cr	0.0715	0.0730	2.1%	0.0723	0.0721	0.2%	<DL	<DL		0.0167	0.0557
Cu	<DL	<DL		<DL	<DL		<DL	<DL		0.0152	0.0508
Dy	<DL	<DL		<DL	<DL		<DL	<DL		0.0181	0.0604
Fe	1.5347	1.5589	1.6%	1.5392	1.5712	2.1%	<DL	<DL		0.0118	0.0395
K										0.7315	2.4385
La	<DL	<DL		<DL	<DL		<DL	<DL		0.0247	0.0823
Li	<DL	<DL		<DL	<DL		<DL	<DL		0.0214	0.0712
Mg	0.0107	0.0108	0.3%	0.0099	0.0124	22.2%	(0.0008)	(0.0008)	6.3%	0.0015	0.0050
Mn	0.0065	0.0064	0.9%	0.0066	0.0072	7.5%	<DL	<DL		0.0019	0.0063
Mo	<DL	<DL		<DL	<DL		<DL	<DL		0.0363	0.1210
Na	9.6168	9.7675	1.6%	9.6815	9.7993	1.2%	<DL	<DL		0.2702	0.9006
Nd	<DL	<DL		<DL	<DL		<DL	<DL		0.1111	0.3702
Ni										0.0231	0.0769
P	1.5542	1.6192	4.1%	1.5523	1.5979	2.9%	<DL	<DL		0.3481	1.1604
Pb	<DL	<DL		<DL	<DL		<DL	<DL		0.1055	0.3518
Re	<DL	<DL		<DL	<DL		<DL	<DL		0.0249	0.0830
Rh	<DL	<DL		<DL	<DL		<DL	<DL		0.1541	0.5137
Ru	<DL	<DL		<DL	<DL		<DL	<DL		0.0820	0.2733
Sb	<DL	<DL		<DL	<DL		<DL	<DL		0.3449	1.1496
Se	<DL	<DL		<DL	<DL		<DL	<DL		0.2326	0.7755
Si	0.8068	0.8146	1.0%	0.8124	0.8310	2.3%	<DL	<DL		0.0927	0.3090
Sr	0.0212	0.0216	1.5%	0.0213	0.0215	1.0%	<DL	<DL		0.0017	0.0058
Te	<DL	<DL		<DL	<DL		<DL	<DL		0.1011	0.3369
Th	<DL	<DL		<DL	<DL		<DL	<DL		0.1754	0.5845
Ti	<DL	<DL		<DL	<DL		<DL	<DL		0.0135	0.0450
Tl	<DL	<DL		<DL	<DL		<DL	<DL		2.5070	8.3567
U	<DL	<DL		<DL	<DL		<DL	<DL		1.6162	5.3874
V	<DL	<DL		<DL	<DL		<DL	<DL		0.0173	0.0578
Zn	0.0122	0.0115	6.4%	0.0129	0.0134	3.8%	<DL	<DL		0.0044	0.0146
Zr	<DL	<DL		<DL	<DL		<DL	<DL		0.0143	0.0478
Bi	1.5810	1.6384	3.6%	1.5558	1.5228	2.1%	<DL	<DL			

09/26/90

mwll 10/15/90

Date: 9/13/90
Project: SST
Procedure: PNL-SP-7

Analyst: D. P. [illegible] 10/12/90
Reviewer: MW [illegible] 10/12/90

File: icp0308f
Reported: 09/26/90

Sample Log#		90-0304a1	90-0304a2	90-0305a1	90-0305a2	90-0304a3	90-0305a3
ID		S1	S2	s1	S2	S1	S2
Prep Type		Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g		0.556	0.557	0.578	0.567	0.565	0.565
Makeup Vol-mL		250.0	250.0	250.0	250.0	250.0	250.0
Dil: Smpl-mL		0.9971	0.9971	0.9971	0.9971	0.9971	0.9971
Dil: Vol-mL		10.00	10.00	10.00	10.00	10.00	10.00
Prep Factor		4956.01	4949.78	4772.45	4865.07	4884.68	4884.68
Spike ID							
Spike Vol-mL							
Spike Dilution							
ICP Dilution		1.00	1.00	1.00	1.00	1.00	1.00
Wt% Factor		0.49560	0.49498	0.47725	0.48651	0.48847	0.48847
ICP Run #		1652	1651	1653	1654	1650	1655
Weight %	Ag	0.0031	0.0022	0.0023	0.0006	0.0007	0.0019
	Al	0.0114	0.0143	0.0110	0.0217	-0.0030	-0.0025
	As	0.0444	0.0107	0.0020	0.0325	-0.0171	0.0117
	B	0.0083	0.0138	0.0029	0.0007	0.0189	-0.0045
	Ba	0.0022	0.0023	0.0022	0.0024	0.0007	0.0010
	Be	0.0000	0.0001	0.0001	-0.0000	0.0000	0.0000
	Ca	0.0500	0.0446	0.0467	0.0478	0.0101	0.0482
	Cd	0.0016	0.0018	0.0013	0.0008	0.0002	0.0015
	Ce	0.0338	0.0310	0.0397	0.0358	0.0067	0.0406
	Co	0.0985	0.0787	0.0961	0.0850	0.0343	0.1032
	Cr	0.0715	0.0730	0.0723	0.0721	0.0004	0.0011
	Cu	0.0061	0.0059	0.0062	0.0071	0.0027	0.0042
	Dy	0.0011	0.0011	0.0009	0.0019	-0.0000	0.0017
	Fe	1.5347	1.5589	1.5392	1.5712	0.0021	-0.0001
	K	252.3336	243.5970	242.4248	258.3241	247.1632	252.5608
	La	0.0025	0.0026	0.0034	0.0030	0.0010	0.0030
	Li	0.0024	0.0022	0.0021	0.0016	0.0018	0.0020
	Mg	0.0107	0.0108	0.0099	0.0124	0.0008	0.0008
	Mn	0.0065	0.0064	0.0066	0.0072	0.0004	0.0006
	Mo	0.0043	0.0051	0.0023	0.0033	0.0060	0.0029
	Na	9.6168	9.7675	9.6815	9.7993	0.0880	0.1092
	Nd	0.0157	0.0090	0.0087	0.0089	-0.0019	0.0155
	Ni	0.3728	0.1301	0.3006	0.4514	0.0292	0.0245
	P	1.5542	1.6192	1.5523	1.5979	-0.0521	-0.0247
	Pb	0.0434	0.0355	0.0430	0.0414	0.0048	0.0142
	Re	0.0041	0.0025	0.0029	0.0034	0.0003	0.0022
	Rh	0.0134	0.0077	0.0135	0.0101	-0.0022	0.0113
	Ru	0.0191	0.0182	0.0178	0.0197	-0.0011	0.0042
	Sb	-0.0332	-0.0353	-0.0425	-0.0090	-0.0543	-0.0262
	Se	0.0406	0.0175	0.0302	0.0278	0.0045	0.0203
	Si	0.8068	0.8146	0.8124	0.8310	0.0162	0.0225
	Sr	0.0212	0.0216	0.0213	0.0215	0.0002	0.0002
	Te	0.0195	0.0087	0.0153	0.0121	0.0100	0.0093
	Th	0.0288	0.0335	0.0361	0.0131	0.0046	0.0350
	Ti	0.0021	0.0016	0.0015	0.0016	-0.0009	-0.0009
	Tl	0.1773	0.0581	0.0143	-0.0068	0.0466	-0.0068
	U	0.3644	0.3087	0.3672	0.3412	0.0867	0.3168
	V	0.0019	0.0017	0.0019	0.0026	0.0001	0.0018
	Zn	0.0122	0.0115	0.0129	0.0134	0.0012	0.0015
	Zr	0.0016	0.0011	0.0015	0.0013	0.0002	0.0009
	Bi	1.5810	1.6384	1.5558	1.5228	-0.0000	-0.0195

Date: 9/13/90
Project: SST
Procedure: PNL-SP-7
MT&E: WA55672

Data Entry By: JAG 10/12/90
Data Verified By: TMC 10/12/90

File: icp0309f 4 mull 10/15/90

Sample ID:		90-0304a1	90-0304a2	90-0305a1	90-0305a2	90-0304a3	90-0305a3
ICP Run #		1652	1651	1653	1654	1650	1655
(ug/mL)	Ag	0.0073	0.0054	0.0059	0.0023	0.0025	0.0048
	Al	0.0370	0.0429	0.0370	0.0585	0.0078	0.0088
	As	0.1065	0.0386	0.0211	0.0837	-0.0180	0.0410
	B	0.0451	0.0563	0.0344	0.0297	0.0671	0.0192
	Ba	0.0050	0.0052	0.0052	0.0055	0.0020	0.0027
	Be	0.0001	0.0002	0.0002	0.0000	0.0001	0.0001
	Ca	0.1008	0.0899	0.0978	0.0981	0.0206	0.0986
	Cd	0.0032	0.0036	0.0026	0.0015	0.0003	0.0029
	Ce	0.0968	0.0914	0.1118	0.1023	0.0423	0.1118
	Co	0.1917	0.1518	0.1942	0.1676	0.0631	0.2041
	Cr	0.1456	0.1488	0.1528	0.1496	0.0022	0.0035
	Cu	0.0139	0.0134	0.0145	0.0161	0.0070	0.0102
	Dy	0.0037	0.0037	0.0034	0.0054	0.0014	0.0050
	Fe	3.0972	3.1501	3.2257	3.2302	0.0048	0.0004
	K	509.2300	492.2200	508.0500	531.0600	506.0800	517.1300
	La	0.0078	0.0080	0.0099	0.0088	0.0047	0.0088
	Li	0.0037	0.0033	0.0033	0.0021	0.0026	0.0030
	Mg	0.0216	0.0217	0.0208	0.0255	0.0016	0.0015
	Mn	0.0134	0.0133	0.0142	0.0150	0.0011	0.0015
(ug/mL)	Mo	0.0081	0.0096	0.0042	0.0062	0.0116	0.0052
	Na	19.3820	19.7110	20.2640	20.1200	0.1579	0.2013
	Nd	0.0424	0.0289	0.0289	0.0289	0.0068	0.0424
	Ni	0.7571	0.2678	0.6347	0.9327	0.0646	0.0550
	P	3.1336	3.2688	3.2503	3.2821	-0.1090	-0.0530
	Pb	0.0970	0.0811	0.0995	0.0945	0.0192	0.0385
	Re	0.0112	0.0080	0.0090	0.0099	0.0035	0.0074
	Rh	0.0430	0.0316	0.0443	0.0367	0.0114	0.0392
	Ru	0.0188	0.0172	0.0176	0.0208	-0.0220	-0.0110
	Sb	0.0352	0.0308	0.0132	0.0837	-0.0090	0.0485
	Se	0.1099	0.0634	0.0913	0.0851	0.0371	0.0696
	Si	1.6374	1.6551	1.7117	1.7176	0.0425	0.0554
	Sr	0.0431	0.0438	0.0449	0.0445	0.0006	0.0007
	Te	0.0538	0.0320	0.0465	0.0393	0.0349	0.0334
	Th	0.0642	0.0739	0.0817	0.0331	0.0156	0.0778
	Ti	0.0050	0.0040	0.0040	0.0040	-0.0010	-0.0010
	Tl	0.4371	0.1967	0.1093	0.0655	0.1748	0.0655
	U	0.7531	0.6415	0.7872	0.7190	0.1952	0.6663
	V	0.0062	0.0057	0.0064	0.0076	0.0025	0.0060
	Zn	0.0250	0.0235	0.0273	0.0278	0.0028	0.0033
	Zr	0.0050	0.0040	0.0050	0.0046	0.0022	0.0037
(ug/mL)	Bi	3.1900	3.3100	3.2600	3.1300	-0.0000	-0.0400

Samp Log#:	90-1255a1	90-1255a2		90-1256a1	90-1256a2		90-1255a3				
Dilution:	1.00	1.00		1.00	1.00		1.00				
Wt% Fctr:	0.49641	0.48009		0.52552	0.46607		0.49104				
ICP Run#:	1661	1660		1662	1663		1659			DL	QL
	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(Wt %)	(Wt %)	RPD	(ug/mL)	(ug/mL)
Ag	(0.0144)	(0.0182)	23.6%	(0.0152)	(0.0131)	15.1%	<DL			0.0199	0.0665
Al	(0.0405)	(0.0387)	4.6%	(0.0362)	(0.0339)	6.5%	<DL			0.0591	0.1969
As	<DL	<DL		<DL	<DL		<DL			0.1171	0.3904
B	<DL	<DL		<DL	<DL		<DL			0.1148	0.3826
Ba	(0.0035)	(0.0029)	21.6%	(0.0031)	(0.0031)	2.4%	<DL			0.0044	0.0146
Be	<DL	(0.0002)		<DL	<DL		<DL			0.0003	0.0009
Ca	0.0622	0.0610	1.9%	0.0577	0.0648	11.6%	0.0208			0.0013	0.0045
Cd	<DL	<DL		<DL	<DL		<DL			0.0101	0.0335
Ce	<DL	<DL		<DL	<DL		<DL			0.3217	1.0722
Co	<DL	<DL		<DL	<DL		<DL			0.5001	1.6668
Cr	0.0753	0.0739	1.8%	0.0753	0.0753	0.1%	<DL			0.0167	0.0557
Cu	(0.0238)	0.0283	17.2%	(0.0176)	(0.0166)	6.2%	<DL			0.0152	0.0508
Dy	<DL	<DL		<DL	<DL		<DL			0.0181	0.0604
Fe	1.4629	1.4582	0.3%	1.4667	1.4413	1.8%	<DL			0.0118	0.0395
K										0.7315	2.4385
La	<DL	<DL		<DL	<DL		<DL			0.0247	0.0823
Li	<DL	<DL		<DL	<DL		<DL			0.0214	0.0712
Mg	0.0143	0.0137	4.7%	0.0137	0.0138	0.6%	(0.0015)			0.0015	0.0050
Mn	0.0088	0.0093	6.4%	0.0101	0.0091	9.9%	<DL			0.0019	0.0063
Mo	<DL	<DL		<DL	<DL		<DL			0.0363	0.1210
Na	9.2363	9.2663	0.3%	9.1537	9.1741	0.2%	<DL			0.2702	0.9006
Nd	<DL	<DL		<DL	<DL		<DL			0.1111	0.3702
Ni										0.0231	0.0769
P	1.5567	1.5539	0.2%	1.6132	1.5530	3.8%	<DL			0.3481	1.1604
Pb	<DL	<DL		(0.0557)	<DL		<DL			0.1055	0.3518
Re	<DL	<DL		<DL	<DL		<DL			0.0249	0.0830
Rh	<DL	<DL		<DL	<DL		<DL			0.1541	0.5137
Ru	<DL	<DL		<DL	<DL		<DL			0.0820	0.2733
Sb	<DL	<DL		<DL	<DL		<DL			0.3449	1.1496
Se	<DL	<DL		<DL	<DL		<DL			0.2326	0.7755
Si	0.8386	0.8195	2.3%	0.8171	0.8209	0.5%	<DL			0.0927	0.3090
Sr	0.0174	0.0174	0.3%	0.0173	0.0172	0.6%	<DL			0.0017	0.0058
Te	<DL	<DL		<DL	<DL		<DL			0.1011	0.3369
Th	<DL	<DL		<DL	<DL		<DL			0.1754	0.5845
Ti	<DL	<DL		<DL	<DL		<DL			0.0135	0.0450
Tl	<DL	<DL		<DL	<DL		<DL			2.5070	8.3567
U	<DL	<DL		<DL	<DL		<DL			1.6162	5.3874
V	<DL	<DL		<DL	<DL		<DL			0.0173	0.0578
Zn	0.0131	0.0167	23.8%	0.0121	0.0117	2.9%	<DL			0.0044	0.0146
Zr	<DL	<DL		<DL	<DL		<DL			0.0143	0.0478
Bi	1.5389	1.4787	4.0%	1.5450	1.4448	6.7%	<DL				

09/26/90

10/15/90 MWM

Date: 9/13/90
Project: SST
Procedure: PNL-SP-7

Analyst: H. P. [illegible] 10/12/90
Reviewer: MWM 10/12/90

File: icp~~0300f~~ ICP 1256f
Reported: 09/26/90

Sample Log#		90-1255a1	90-1255a2	90-1256a1	90-1256a2	90-1255a3	
ID		S1	S2	S1	S2	S1	S2
Prep Type		Fusion	Fusion	Fusion	Fusion	Fusion	Fusion
Sample Wt-g		0.556	0.575	0.525	0.592	0.562	
Makeup Vol-mL		250.0	250.0	250.0	250.0	250.0	
Dil: Smpl-mL		0.9961	0.9961	0.9961	0.9961	0.9961	
Dil: Vol-mL		10.00	10.00	10.00	10.00	10.00	
Prep Factor		4964.10	4800.90	5255.22	4660.65	4910.45	
Spike ID							
Spike Vol-mL							
Spike Dilution							
ICP Dilution		1.00	1.00	1.00	1.00	1.00	
Wt% Factor		0.49641	0.48009	0.52552	0.46607	0.49104	
ICP Run #		1661	1660	1662	1663	1659	
Weight %	Ag	0.0144	0.0182	0.0152	0.0131	0.0097	
	Al	0.0405	0.0387	0.0362	0.0339	-0.0025	
	As	0.0113	0.0562	0.0344	0.0423	0.0060	
	B	-0.0044	-0.0049	-0.0066	-0.0057	-0.0077	
	Ba	0.0035	0.0029	0.0031	0.0031	0.0015	
	Be	0.0001	0.0002	0.0001	0.0001	0.0001	
	Ca	0.0622	0.0610	0.0577	0.0648	0.0208	
	Cd	0.0030	0.0029	0.0024	0.0028	0.0009	
	Ce	0.0812	0.0589	0.0888	0.0737	0.0502	
	Co	0.1740	0.1349	0.2017	0.1630	0.1200	
	Cr	0.0753	0.0739	0.0753	0.0753	0.0014	
	Cu	0.0238	0.0283	0.0176	0.0166	0.0041	
	Dy	0.0042	0.0029	0.0043	0.0036	0.0024	
	Fe	1.4629	1.4582	1.4667	1.4413	0.0022	
	K	266.0991	249.0407	265.9860	249.1525	222.4271	
	La	0.0074	0.0056	0.0085	0.0068	0.0040	
	Li	0.0041	0.0031	0.0044	0.0038	0.0026	
	Mg	0.0143	0.0137	0.0137	0.0138	0.0015	
	Mn	0.0088	0.0093	0.0101	0.0091	0.0007	
	Mo	0.0035	0.0037	0.0041	0.0051	0.0032	
	Na	9.2363	9.2663	9.1537	9.1741	0.1127	
	Nd	0.0310	0.0267	0.0337	0.0291	0.0148	
	Ni	0.3952	0.3630	0.1890	0.2806	0.0206	
	P	1.5567	1.5539	1.6132	1.5530	0.0558	
	Pb	0.0485	0.0429	0.0557	0.0416	0.0168	
	Re	0.0049	0.0040	0.0052	0.0045	0.0022	
	Rh	0.0366	0.0300	0.0428	0.0350	0.0257	
	Ru	0.0223	0.0202	0.0263	0.0250	0.0052	
	Sb	-0.0070	-0.0215	-0.0166	-0.0025	-0.0156	
	Se	0.0437	0.0579	0.0308	0.0547	0.0205	
	Si	0.8386	0.8195	0.8171	0.8209	0.0261	
	Sr	0.0174	0.0174	0.0173	0.0172	0.0004	
	Te	0.0239	0.0161	0.0245	0.0143	0.0201	
	Th	0.0607	0.0662	0.0765	0.0552	0.0381	
	Ti	0.0043	0.0034	0.0047	0.0041	0.0016	
	Tl	0.2318	0.1507	0.3028	0.2787	0.1220	
	U	0.6142	0.5553	0.7138	0.5810	0.3778	
	V	0.0036	0.0031	0.0042	0.0037	0.0020	
	Zn	0.0131	0.0167	0.0121	0.0117	0.0018	
	Zr	0.0036	0.0023	0.0045	0.0066	0.0019	
	Bi	1.5389	1.4787	1.5450	1.4448	-0.0049	

Date: 9/13/90
Project: SST
Procedure: PNL-SP-7
MT&E: WA55672

Data Entry By: JAG 10/12/90
Data Verified By: TM L 10/12/90

mou 10/16/90

File: icp~~0300~~1266f

Sample ID:		90-1255a1	90-1255a2	90-1256a1	90-1256a2	90-1255a3
ICP Run #		1661	1660	1662	1663	1659
(ug/mL)	Ag	0.0299	0.0389	0.0299	0.0290	0.0208
	Al	0.0955	0.0945	0.0828	0.0867	0.0088
	As	0.0398	0.1340	0.0825	0.1077	0.0293
	B	0.0195	0.0181	0.0157	0.0162	0.0126
	Ba	0.0078	0.0066	0.0066	0.0072	0.0037
	Be	0.0002	0.0004	0.0002	0.0002	0.0002
	Ca	0.1252	0.1270	0.1097	0.1389	0.0422
	Cd	0.0060	0.0059	0.0044	0.0059	0.0017
	Ce	0.1923	0.1514	0.1977	0.1868	0.1309
	Co	0.3435	0.2738	0.3767	0.3427	0.2373
	Cr	0.1530	0.1553	0.1446	0.1630	0.0042
	Cu	0.0496	0.0606	0.0351	0.0371	0.0100
	Dy	0.0100	0.0076	0.0097	0.0092	0.0064
	Fe	2.9475	3.0379	2.7916	3.0930	0.0050
	K	536.1300	518.8200	506.2200	534.6700	453.0500
	La	0.0177	0.0144	0.0189	0.0173	0.0109
	Li	0.0072	0.0053	0.0072	0.0070	0.0042
	Mg	0.0288	0.0284	0.0260	0.0295	0.0031
	Mn	0.0179	0.0197	0.0194	0.0198	0.0016
(ug/mL)	Mo	0.0063	0.0071	0.0072	0.0103	0.0058
	Na	18.5840	19.2790	17.3960	19.6620	0.2072
	Nd	0.0730	0.0662	0.0747	0.0730	0.0407
	Ni	0.8011	0.7610	0.3645	0.6069	0.0469
	P	3.1336	3.2344	3.0673	3.3298	0.1113
	Pb	0.1071	0.0987	0.1154	0.0987	0.0435
	Re	0.0128	0.0112	0.0128	0.0125	0.0074
	Rh	0.0898	0.0785	0.0974	0.0911	0.0683
	Ru	0.0252	0.0224	0.0304	0.0340	-0.0090
	Sb	0.0881	0.0573	0.0705	0.0969	0.0705
	Se	0.1160	0.1485	0.0866	0.1454	0.0696
	Si	1.6987	1.7164	1.5642	1.7707	0.0625
	Sr	0.0353	0.0364	0.0332	0.0372	0.0010
	Te	0.0625	0.0480	0.0611	0.0451	0.0553
	Th	0.1284	0.1440	0.1518	0.1245	0.0837
	Ti	0.0094	0.0079	0.0097	0.0097	0.0040
	Tl	0.5464	0.3934	0.6557	0.6775	0.3278
	U	1.2551	1.1745	1.3760	1.2644	0.7872
	V	0.0095	0.0088	0.0103	0.0102	0.0065
	Zn	0.0268	0.0351	0.0233	0.0255	0.0040
	Zr	0.0090	0.0066	0.0104	0.0159	0.0057
(ug/mL)	Bi	3.1000	3.0800	2.9400	3.1000	-0.0100

Date: 3/13/90

Analyst: 6-3089 P7-22

Review: COC#204

SAMPLE PREP DATA SHEET
325-B. Hot Cells)

Core ID: TK110B-C9

Segment(s): Com

☑ Composite

☐ Prehomogenized ☐ Homogenized

325-A ID	ALO ID	Analyte or Analysis	Sample Wt Wet (g)	Sample Wt Dry (g)	Percent Solids	Water Wt (g)	Total Vol (ml)	Spike ID	Spike Vol (ml)	Dilution Factor	Diluent Matrix	Pipet Calib (ml)	Miscellaneou
110B-C9-T	90-1255-A-1	ICP	0.5560				250				2% HCL		.9961/10.001
↓	90-1255-A-2	"	0.5749				250				↓		↓
↓	90-1255-A-3	"	—				250				↓		↓
110B-C9-B	90-1256-A-1	"	0.5252				250				↓		↓
↓	90-1256-A-2	"	0.5922				250				↓		↓

E03-148

Date: 2/16/90

Analyst: [illegible] 6-3089 P7-22

Review: RES

SAMPLE PREP DATA SHEET
325-B Hot Cells)

Core ID: 110B-C9

Segment(s): 5

☐ Composite

☐ Prehomogenized ☒ Homogenized

325-A ID	ALO ID	Analyte or Analysis	Sample Wt Wet (g)	Sample Wt Dry (g)	Percent Solids	Water Wt (g)	Total Vol (ml)	Spike ID	Spike Vol (ml)	Dilution Factor	Diluent Matrix	Pipet Calib (ml)	Miscellaneous
110B-C9-5T	90-0304-A-1	ICP	0.5564				250			11.03 ~~HX~~	2% HCl		.9971/10.001 ml
	90-0304-A-2		0.5571										
	90-0304-A-3		—										BLANK
110B-C9-5B	90-0305-A-1		0.5778										
	90-0305-A-2		0.5668										
	90-0305-A-3		—										BLANK

E03-149

Date: 2/16/90

Analyst: ~~[illegible]~~ 6-3089 P7-22

Review: RTS

SAMPLE PREP DATA SHEET
325-B Hot Cells)

Core ID: 110B-C9

Segment(s): 3

☐ Composite

☐ Prehomogenized ☒ Homogenized

325-A ID	ALO ID	Analyte or Analysis	Sample Wt Wet (g)	Sample Wt Dry (g)	Percent Solids	Water Wt (g)	Total Vol (ml)	Spike ID	Spike Vol (ml)	Dilution Factor	Diluent Matrix	Pipet Calib (ml)	Miscellaneous
110B-C9-3T	90-0300-A-1	ICP	0.5535				250			11.03 X ~~11X~~	2% HCl		.9971/10.001 ml
	90-0300-A-2		0.6287										
	90-0300-A-3		—										BLANK
110B-C9-3B	90-0301-A-1		0.5814										
	90-0301-A-2		0.5801										
	90-0302-A-3		—										BLANK

E03-150

Base ICP entry template

verified 9/23/90
YM Longaker

Sample Analysis Date: 09/13/90

Sample ID:		90-0300A3	90-0300A2	90-0300A1	90-0301A1	90-0301A2	90-0301A3	
ICP Run #		1640	1641	1642	1643	1644	1645	
		OK	OK	OK	OK	OK	—	
(ug/mL)	Ag	-0.012	-0.006	-0.008	-0.006	-0.009	-0.01	
	Al	-0.032	0.0235	0.0088	0.001	0.0049	-0.042	
	As	-0.07	-0.095	-0.065	-0.048	-0.058	-0.078	
	B	0.003	0.0074	0.0016	-0.001	-0.002	-0.003	
	Ba	-0.001	0.0018	0.0032	0.0019	0.0013	-0.00001	
	Be	-0.00001	-0.00001	-0.000001	-0.000001	-0.00001	-0.00001	
	Ca	0.0173	0.1352	0.1385	0.1145	0.1218	0.0217	
	Cd	-0.006	-0.006	-0.004	-0.006	-0.006	-0.005	
	Ce	-0.132	-0.12	-0.114	-0.127	-0.145	-0.13	
	Co	-0.264	-0.248	-0.251	-0.252	-0.298	-0.273	
	Cr	-0.01	0.16	0.14	0.15	0.15	-0.01	
	Cu	-0.002	0.0047	0.0051	0.0048	0.003	-0.001	
	Dy	-0.0080	-0.0080	-0.0090	-0.0080	-0.0090	-0.0080	
	Fe	-0.0020	3.1452	2.7513	2.8696	2.9256	-0.0010	
	K	499.4500	522.7800	499.9500	518.4000	559.2700	533.0500	
	La	-0.0110	-0.0080	-0.0100	-0.0110	-0.0100	-0.0100	
	Li	-0.0050	-0.0050	-0.0040	-0.0040	-0.0060	-0.0040	
	Mg	0.0009	0.0370	0.0315	0.0277	0.0307	0.0019	
	Mn	0.0000	0.0122	0.0099	0.0101	0.0118	0.0000	
(ug/mL)	Mo	-0.0390	-0.0300	-0.0330	-0.0320	-0.0320	-0.0340	
	Na	0.1040	21.4300	18.9350	19.9230	20.1550	0.1120	
	Nd	-0.0480	-0.0170	-0.0260	-0.0190	-0.0410	-0.0140	
	Ni	0.0778	0.4995	0.3410	0.2163	0.2770	0.0592	
	P	-0.0240	3.4349	3.1248	3.1354	3.1699	0.0186	
	Pb	-0.0470	0.0042	-0.0100	-0.0030	-0.0040	-0.0380	
	Re	-0.0150	-0.0080	-0.0140	-0.0110	-0.0120	-0.0110	
	Rh	-0.0700	-0.0720	-0.0630	-0.0720	-0.0810	-0.0720	
	Ru	-0.0740	-0.0450	-0.0500	-0.0530	-0.0500	-0.0770	
	Sb	-0.1400	-0.1310	-0.1610	-0.1050	-0.1400	-0.1350	
	Se	-0.1120	-0.0370	-0.0900	-0.0680	-0.1030	-0.0730	
	Si	0.0800	1.7232	1.4936	1.5654	1.6372	0.0024	
	Sr	0.0000	0.0343	0.0302	0.0317	0.0322	0.0000	
	Te	-0.0200	-0.0310	-0.0130	-0.0170	-0.0360	-0.0230	
	Th	-0.0820	-0.0820	-0.0900	-0.0840	-0.1000	-0.0860	
	Ti	-0.0080	-0.0050	-0.0040	-0.0070	-0.0070	-0.0060	
	Tl	-0.7230	-0.4600	-0.7670	-1.2700	-1.7740	-1.7960	
	U	-0.8190	-0.6460	-0.6770	-0.6800	-0.8220	-0.8470	
	V	-0.0080	-0.0070	-0.0070	-0.0070	-0.0070	-0.0070	
	Zn	-0.0010	0.0104	0.0113	0.0054	0.0062	-0.0010	
	Zr	-0.0060	-0.0050	-0.0060	-0.0060	-0.0040	-0.0010	0.007

	CL1 1646	CH3 1647	CH3 1648	CL1 1649	90-0304A3 1650	90-0304A2 1651	90-0304A1 1652	90-0305A1 1653
	—	OK	OK	OK	—	—	OK	OK
	-0.014	0.0329	0.0493	0.0076	0.0025	0.0 .0054	0.0 .0073	0.0 .0059
	-0.039	10.21	10.004	0.0273	0.0078	0.0429	0.037	0.037
	-0.082	2.0379	2.1098	0.062	-0.048 -0.018	0.04	0.11	0.02
	-0.009	10.137	10.071	0.1127	0.0671	0.06	0.05	0.03
	-0.002	0.0012	0.0043	0.0013	0.002	0.0052	0.005	0.0052
	-0.000001	0.0011	0.0014	0.0002	0.0001	0.0002	0.0001	0.0002
	-0.000001	10.289	10.001	0.0003	0.0206	0.09	0.10	0.10
	-0.008	9.9331	9.9813	0.0016	0.0003	0.00 .0036	0.00	0.00
	-0.152	0.1799	0.3996	0.1009	0.0423	0.0914	0.0968	0.1118
	-0.308	-0.029	0.4182	0.1776	0.0631	0.15	0.19	0.19
	-0.01	10.01	9.98	0.00	0.0022	0.1488	0.1456	0.1528
	-0.008	0.0505	0.0621	0.0038	0.007	0.0134	0.0139	0.0145
	-0.0100	10.2840	10.0030	0.0056	0.0014	0.0037	0.0037	0.0034
	-0.0070	0.0069	0.0173	0.0032	0.0048	3.1501	3.0972	3.2257
.224	-0.2440	50.9140	50.0620	0.2161	506.08	492.2200	509.2300	508.0500
	-0.0120	10.1940	9.9959	0.0078	0.0047	0.0080	0.0078	0.0099
	-0.0060	20.9200	20.0470	0.0033	0.0026	0.0033	0.0037	0.0033
	0.0000	0.0047	0.0051	0.0003	0.0016	0.0217	0.0216	0.0208
	-0.0010	10.0450	9.9828	0.0008	0.0011	0.0133	0.0134	0.0142
	-0.0350	-0.0030	0.0414	0.0062	0.0116	0.0096	0.0081	0.0042
	-0.0620	103.6000	100.0800	0.0474	0.1579	19.7110	19.3820	20.2640
	-0.0430	10.2690	10.0120	0.0306	0.0068	0.0289	0.0424	0.0289
	-0.0110	0.0797	0.0990	0.0105	0.0646	0.2678	0.7571	0.6347
	-0.1270	9.7297	10.0000	0.0398	-0.109	3.2688	3.1336	3.2503
	-0.0590	0.3012	0.3730	0.0401	0.0192	0.0811	0.0970	0.0995
	-0.0170	10.1120	9.9904	0.0086	0.0035	0.0080	0.0112	0.0090
	-0.0800	0.4148	0.5213	0.0468	0.0114	0.0316	0.0430	0.0443
	-0.0780	9.9905	10.0030	-0.0040	-0.022	0.0172	0.0188	0.0176
	-0.1480	0.0698	0.2202	0.0837	-0.009	0.0308	0.0352	0.0132
	-0.1420	10.0120	9.8809	0.0464	0.0371	0.0634	0.1099	0.0913
	-0.0460	10.0670	9.9894	0.0354	0.0425	1.6551	1.6374	1.7117
	-0.0010	0.0645	0.0630	0.0006	0.0006	0.0438	0.0431	0.0449
	-0.0460	0.3981	0.4581	0.0480	0.0349	0.0320	0.0538	0.0465
	-0.1060	10.2000	10.0000	0.0642	0.0156	0.0739	0.0642	0.0817
	-0.0090	0.0363	0.0461	0.0040	-0.001	0.0040	0.0050	0.0040
	-2.2340	8.5194	10.5780	0.6338	0.1748	0.1967	0.4371	0.1093
	-0.9890	0.5963	2.0392	0.5950	0.1952	0.6415	0.7531	0.7872
	-0.0090	0.0343	0.0495	0.0053	0.0025	0.0057	0.0062	0.0064
	-0.0030	0.0081	0.0119	0.0017	0.0028	0.0235	0.0250	0.0273
	-0.0070	0.9277	0.9033	0.0048	0.0022	0.0040	0.0050	0.0050

90-0305A2	90-0305A3	CL1	CH2	CL1	90-1255A3	90-1255A2	90-1255-A1
1654	1655	1656	1657	1658	1659	1660	1661
ok	ok	ok	—	ok	ok	—	ok
0.0	0.0	0.0	0.1	0.0	0.0208	0.0389	0.0299
0.0585	0.0088	0.0234	0.4249	0.0175	0.0088	0.0945	0.0955
0.08	0.04	0.04	10.156	0.0421	0.0293	0.134	0.0398
0.03	0.02	0.02	0.05	0.01	0.0126	0.0181	0.0195
0.0055	0.0027	0.0022	9.9759	0.002	0.0037	0.0066	0.0078
0.00001	0.0001	0.0002	0.9998	0.0002	0.0002	0.0004	0.0002
0.10	0.10	0.00	0.03	0.00	0.0422	0.127	0.1252
0.00	0.00	0.00	0.02	0.00	0.0017	0.0059	0.006
0.1023	0.1118	0.1418	10.045	0.1227	0.1309	0.1514	0.1923
0.17	0.20	0.25	10.13600	0.23400	0.2373	0.2738	0.3435
0.1496	0.0035	0.0067	0.0289	0.0045	0.0042	0.1553	0.153
0.0161	0.0102	0.0077	9.9785	0.0052	0.01	0.0606	0.0496
0.0054	0.0050	0.0073	0.0286	0.0069	0.0064	0.0076	0.01
3.2302	0.0004	0.0046	10.0250	0.0053	0.005	3.0379	2.9475
531.0600	517.1300	0.3767	0.3273	0.2223	453.05	518.82	536.13
0.0088	0.0088	0.0111	0.0823	0.0105	0.0109	0.0144	0.0177
0.0021	0.0030	0.0056	0.0056	0.0037	0.0042	0.0053	0.0072
0.0255	0.0015	0.0002	10.0240	0.0005	0.0031	0.0284	0.0288
0.0150	0.0015	0.0007	0.0055	0.0008	0.0016	0.0197	0.0179
0.0062	0.0052	0.0056	10.4990	0.0069	0.0058	0.0071	0.0063
20.1200	0.2013	0.0533	10.1000	0.0414	0.2072	19.279	18.584
0.0289	0.0424	0.0424	0.1714	0.0492	0.0407	0.0662	0.073
0.9327	0.0550	0.0110	10.0280	0.0100	0.0469	0.761	0.8011
3.2821	-0.0530	0.0954	0.8404	0.1246	0.1113	3.2344	3.1336
0.0945	0.0385	0.0343	10.0540	0.0401	0.0435	0.0987	0.1071
0.0099	0.0074	0.0074	0.0240	0.0080	0.0074	0.0112	0.0128
0.0367	0.0392	0.0734	10.0250	0.0519	0.0683	0.0785	0.0898
0.0208	-0.0110	-0.0080	0.1212	-0.0070	-0.009	0.0224	0.0252
0.0837	0.0485	0.1145	20.0680	0.0705	0.0705	0.0573	0.0881
0.0851	0.0696	0.1130	1.3399	0.0866	0.0696	0.1485	0.116
1.7176	0.0554	0.0389	0.3527	0.0389	0.0625	0.7164 1.7164	1.6987
0.0445	0.0007	0.0007	9.9716	0.0008	0.001	0.0364	0.0353
0.0393	0.0334	0.0524	10.0440	0.0509	0.0553	0.048	0.0625
0.0331	0.0778	0.0895	1.0389	0.0798	0.0837	0.144	0.1284
0.0040	-0.0010	0.0050	10.0440 10.04	0.0032	0.004	0.0079	0.0094
0.0655	0.0655	0.2185	2.6227	0.3060	0.3278	0.3934	0.5464
0.7190	0.6663	0.8646	34.7620	0.7779	0.7872	1.1745	1.2551
0.0076	0.0060	0.0081	10.0130	0.0067	0.0065	0.0088	0.0095
0.0278	0.0033	0.0010	10.0420	0.0019	0.004	0.0351	0.0268
0.0046	0.0037	0.0064	9.9986	0.0065	0.0057	0.0066	0.009

90-1256A1	90-1256A2	CL1	CH3
1662	1663	1664	1665
OK	OK	OK	OK
0.0299	0.029	0.0065	0.0572
0.0828	0.0867	0.0146	9.9912
0.08	0.11	0.0544	2.14
0.0157	0.0162	0.0077	9.978
0.0066	0.0072	0.0031	0.006
0.0002	0.0002	-0.00001	0.0016
0.11	0.14	0.00	9.93
0.0044	0.0059	-0.002	9.9329
0.20	0.19	0.22	0.51
0.3767	0.3427	-0.029	0.6273
0.1446	0.163	0.0117	9.9652
0.0351	0.0371	0.0103	0.0653
0.0097	0.0092	0.0120	9.8910
2.7916	3.0930	0.0057	0.0204
506.2200	534.6700	0.4837	49.8970
0.0189	0.0173	0.0171	9.9280
0.0072	0.0070	0.0093	19.8930
0.0260	0.0295	0.0003	0.0052
0.0194	0.0198	0.0014	9.9584
0.0072	0.0103	0.0067	0.0416
17.3960	19.6620	0.0849	99.4080
0.0747	0.0730	0.0832	9.9661
0.3645	0.6069	0.0182	0.1062
3.0673	3.3298	0.1193	10.2170
0.1154	0.0987	0.0669	0.4082
0.0128	0.0125	0.0138	9.9391
0.0974	0.0911	0.1063	0.5719
0.0304	0.0340	0.0052	9.9784
0.0705	0.0969	0.1498	0.2731
0.0866	0.1454	0.1207	9.9165
1.5642	1.7707	0.0578	10.0090
0.0332	0.0372	0.0012	0.0629
0.0611	0.0451	0.0553	0.4916
0.1518	0.1245	0.0409	10.0080
0.0097	0.0097	0.0083	0.0507
0.6557	0.6775	0.7649	10.8400
1.3760	1.2644	-0.0710	2.7210
0.0103	0.0102	0.0128	0.0530
0.0233	0.0255	0.0022	0.0126
0.0104	0.0159	0.0101	0.8995

90-1275A2	90-1275A1	CH3	CL1	90-1276A5	90-1276A4	90-1276A3	90-1276A1
1738	1739	1740	1741	1742	1743	1744	1745
OK	OK	OK	OK	OK	OK	OK	OK
0.0	0.0	0.0	0.0	0.0	-0.001	-0.002	0.0007
0.1902	0.148	10.27	-0.006	0.0022	0.027	0.0875	0.0864
0.07	0.11	2.10	0.074	0.0273	0.391	0.5089	0.0841
0.08	0.07	10.32	0.08	0.06	0.0493	0.0963	0.086
0.01	0.0096	0.0033	0.00001	0.0008	0.4074	0.423	0.0122
0.000001	0.0001	0.0014	-0.00001	-0.000001	0.0099	0.0099	-0.00001
0.56	0.52	10.26	0.00	0.07	0.0867	0.4501	0.4343
0.01	0.01	10.11	0.00	0.01	0.0223	0.0206	0.0106
0.0402	0.0494	0.3275	0.0077	0.0108	0.0062	-0.012	0.0355
0.06	0.07	0.33	0.01130	0.01540	0.1027	0.0565	0.0308
0.6802	0.6425	10.239	0.0022	0.0044	0.0038	0.6387	0.6334
0.0278	0.027	0.0526	-0.001	0.0017	0.0524	0.0714	0.0357
0.0015	0.0015	10.3000	0.0003	0.0000	0.0003	-0.000001	0.0024
12.4310	11.6890	0.0150	0.0007	0.0052	0.009	14.278	14.099
0.2973	0.2951	50.9030	-0.0870	-0.0630	-0.083	0.0546	0.0809
0.0045	0.0054	10.2550	0.0019	-0.0010	-0.000001	0.0045	0.0052
0.0016	0.0012	20.5450	0.0009	0.0000	0.000001	-0.002	0.0012
0.1423	0.1363	0.0050	0.0001	0.0145	0.0174	0.1164	0.1145
0.0406	0.0385	10.2250	0.0006	0.0007	0.1027	0.1454	0.043
0.0054	0.0152	0.0483	0.0058	0.0008	0.0116	0.0094	0.0144
83.8670	79.2170	102.6900	-0.0510	-0.0040	0.053	88.578	86.111
0.0055	0.0222	10.2770	-0.0070	0.0092	0.0055	-0.011	0.0129
0.0115	0.0134	0.0923	-0.0020	0.0024	0.0996	0.1147	0.0194
14.4110	13.8630	10.6530	-0.0850	-0.0730	-0.097	15.19	15.399
0.1032	0.1097	0.3537	-0.0110	-0.0080	0.0882	0.3881	0.2849
0.0046	0.0069	10.2300	0.0011	-0.0010	-0.001	0.0015	0.0046
-0.0030	-0.0070	0.4393	-0.0120	-0.0080	-0.015	-0.025	-0.006
0.1191	0.1165	10.2320	0.0051	-0.0010	-0.006	0.1267	0.1272
0.0154	0.0462	0.2052	0.0462	0.0000	0.1077	0.1282	0.0462
0.2207	0.1773	10.3920	0.0057	0.0075	0.2905	0.4244	0.1716
0.4728	0.5245	10.2780	-0.0100	0.0601	0.0769	0.9778	0.2979
0.1352	0.1273	0.0665	0.0001	0.0002	0.0004	0.1953	0.1912
-0.0030	0.0069	0.4051	0.0000	-0.0050	-0.003	0.000001	0.0017
0.0127	0.0212	10.3360	-0.0020	-0.0020	-0.017	-0.015	0.0106
0.0054	0.0054	0.0421	0.0025	0.0021	0.0042	0.0037	0.0054
-0.3010	-1.1110	12.4730	0.0634	-0.9200	0.2539	0.5395	-0.095
0.6666	0.6968	1.5678	0.0301	0.0703	0.0134	0.4321	0.6398
0.0037	0.0041	0.0435	0.0007	0.0013	0.1003	0.1022	0.0037
0.0355	0.0339	0.0487	0.0015	0.0108	0.116	0.2051	0.1072
0.0135	0.0138	0.9713	0.0003	0.0011	0.0002	0.0016	0.0036

90-1276A1	CH2	CH3	CL1
1746	1747	1748R	1749
OK	OK	OK	OK
-0.000001	0.0957	0.0438	0.0013
0.1178	0.3728	10.198	0.0043
0.0992 [redacted]	10.48	2.1411	0.01
0.0768	0.0406	10.39	0.1487
0.013	10.19	0.0037	0.0014
0.000001	1.0325	0.0014	0.000001
0.44	0.03	10.19	0.00
0.0079	0.0263	9.9536	0.0021
0.04	10.14	0.35	0.06
0.0688	9.9897	0.3461	0.1232
0.6588	0.0245	10.079	0.0091
0.0221	10.451	0.0526	0.0008
0.0017	0.0216	10.1810	0.0024
14.4130	10.0900	0.0152	-0.0020
0.1552	0.0153	50.5770	-0.0020
0.0062	0.0783	10.1490	0.0045
0.0000	0.0012	20.4150	0.0019
0.1164	10.1120	0.0049	0.0001
0.0447	0.0045	10.0630	0.0009
0.0096	10.2660	0.0377	0.0064
87.9460	10.2100	101.7900	-0.0510
0.0166	0.1424	10.2240	0.0166
0.0225	10.0760	0.0941	0.0018
15.4560	2.0121	10.8390	0.0000
0.3042	10.0810	0.3601	0.0151
0.0065	0.0222	10.0500	0.0023
0.0069	10.1980	0.4380	0.0179
0.1368	0.1292	10.0670	0.0198
0.0513	20.6210	0.1949	0.0667
0.1754	1.2486	10.2470	0.0189
0.2490	0.3385	10.1850	0.0224
0.1958	10.1800	0.0658	0.0003
0.0017	10.2470	0.4120	-0.0020
0.0276	0.9414	10.2800	0.0361
0.0062	10.1370	0.0446	0.0021
-0.7300	3.1102	13.6470	0.0634
0.7571	32.4880	1.6113	0.3216
0.0042	10.1100	0.0441	0.0031
0.1022	10.0210	0.0437	0.0035
0.0049	10.1460	0.9606	0.0032

```
                    90-300
Sample number  = 1640
Sample code 1  = A3
Sample code 2  = KOH-NI
Sample code 3  =
Weight         =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 90-300
Sample number   : 1640
Sample code 1   : A3
Sample code 2   : KOH-NI
Programme       : ALLELE          13-Sep-90  19:04:08
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.41000 Al 11.6100 As 14.9500 B  5.97000 Ba 7.12000 Be 7.73000 Ca 9.95000
Cd 9.40000 Ce 14.3600 Co 40.6000 Cr 6.73000 Cu 12.9500 Dy 8.40000 Fe 7.34000
K  831.900 La 9.24000 Li 6.24000 Mg 4.30000 Mn 6.81000 Mo 5.71000 Na 7.24000
Nd 6.28000 Ni 6.51000 P  7.11000 Pb 9.07000 Re 6.01000 Rh 9.89000 Ru 10.5600
Sb 4.81000 Se 9.39000 Si 7.15000 Sr 7.08000 Te 5.62000 Th 8.75000 Ti 4.30000
Tl 5.97000 U  36.3900 V  11.0300 Zn 5.52000 Zr 8.22000
[1] Direct Intensities
Ag 6.40000 Al 11.6000 As 14.2600 B  6.04000 Ba 7.12000 Be 7.73000 Ca 9.92000
Cd 9.33000 Ce 14.4100 Co 40.7800 Cr 6.74000 Cu 13.0200 Dy 8.39000 Fe 7.38000
K  831.000 La 9.26000 Li 6.25000 Mg 4.33000 Mn 6.87000 Mo 5.66000 Na 7.26000
Nd 6.32000 Ni 6.56000 P  7.17000 Pb 9.13000 Re 5.99000 Rh 9.89000 Ru 10.5200
Sb 4.81000 Se 9.56000 Si 7.16000 Sr 7.13000 Te 5.58000 Th 8.72000 Ti 4.79000
Tl 5.97000 U  36.5800 V  11.1000 Zn 5.49000 Zr 8.25000
[1] Direct Intensities
Ag 6.48000 Al 11.6300 As 14.2900 B  6.04000 Ba 7.16000 Be 7.76000 Ca 9.97000
Cd 9.47000 Ce 14.4800 Co 40.9100 Cr 6.75000 Cu 13.0900 Dy 8.45000 Fe 7.36000
K  825.400 La 9.25000 Li 6.23000 Mg 4.32000 Mn 6.87000 Mo 5.75000 Na 7.25000
Nd 6.31000 Ni 6.58000 P  7.06000 Pb 9.05000 Re 6.10000 Rh 9.92000 Ru 10.6700
Sb 4.86000 Se 9.56000 Si 7.13000 Sr 7.14000 Te 5.60000 Th 8.79000 Ti 4.81000
Tl 5.93000 U  36.7000 V  11.1100 Zn 5.49000 Zr 8.27000

NAME        MV INT    CONCEN       SDD      BCOR      SCOR

Ag          6.45     -0.012    -31.13   0.00000   0.00000
Al         12.66     -0.032    -13.69   0.00000   0.00000
As         15.71     -0.070    -11.55   0.00000   0.00000
B           6.03      0.0030   110.22   0.00000   0.00000
Ba          7.20     -0.001    -69.20   0.00000   0.00000
Be          8.06     -0.000    -19.09   0.00000   0.00000
Ca         10.15      0.0173     0.53   0.00000   0.00000
Cd          9.39     -0.006    -22.87   0.00000   0.00000
Ce         15.07     -0.132    -19.04   0.00000   0.00000
Co         42.68     -0.264    -14.97   0.00000   0.00000
Cr          6.84     -0.007    -28.35   0.00000   0.00000
Cu         13.94     -0.002    -95.45   0.00000   0.00000
Dy          8.47     -0.008    -18.20   0.00000   0.00000
Fe          7.34     -0.002    -50.00   0.00000   0.00000
K         918.69   )499.45      0.44   0.00000   0.00000
La          9.50     -0.011     -5.56   0.00000   0.00000
Li          6.13     -0.005    -14.29   0.00000   0.00000
Mg          4.19      0.0009     9.99   0.00000   0.00000
Mn          7.14     -0.000   -115.47   0.00000   0.00000
Mo          5.73    (-0.009     -5.73   0.00000   0.00000
Na          7.16      0.1040     5.73   0.00000   0.00000
```

Cal with 90-640 also initial cal check with 90-640 MWW 9/21/90

```
Nd          6.35   -0.040   -22.30  0.00000  0.00000
Ni          6.87   0.0778     6.64  0.00000  0.00000
P           9.29   -0.024  -183.53  0.00000  0.00000
Pb          9.59   -0.047   -22.36  0.00000  0.00000
Re          6.06   -0.015   -37.40  0.00000  0.00000
Rh         10.67   -0.070    -9.50  0.00000  0.00000
Ru         10.63  (-0.074   -12.46  0.00000  0.00000
Sb          4.75   -0.140   -27.05  0.00000  0.00000
Se          9.66   -0.112   -40.76  0.00000  0.00000
Si          7.38   0.0000     4.41  0.00000  0.00000
Sr          7.16   -0.000   -64.29  0.00000  0.00000
Te          5.71   -0.020   -42.36  0.00000  0.00000
Th          9.39   -0.082   -25.09  0.00000  0.00000
Ti          4.79   -0.008   -13.64  0.00000  0.00000
Tl          5.70   -0.723   -29.99  0.00000  0.00000
U          38.14   -0.919   -17.70  0.00000  0.00000
V          11.67   -0.003   -13.91  0.00000  0.00000
Zn          5.45   -0.001   -17.35  0.00000  0.00000
Zr          8.72   -0.006   -17.56  0.00000  0.00000


More samples [Y/N] ?
Sample name     = 90-300
Sample number   = 1641
Sample code 1   = A2
Sample code 2   = P62870
Sample code 3   = KOH-NI
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : 90-300
Sample number   : 1641
Sample code 1   : A2
Sample code 2   : P62870
Sample code 3   : KOH-NI
Programme       : ALLELE          13-Sep-90  18:08:37
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.53000 Al 11.8100 As 14.6800 B  6.06600 Ba 7.24000 Be 7.73000 Ca 42.2830
Cd 9.37000 Ce 14.4000 Co 40.7500 Cr 9.05000 Cu 13.2800 Dy 8.42000 Fe 78.7500
K  868.400 La 9.31000 Li 6.25000 Mg 11.4700 Mn 8.14000 Mo 5.39000 Na 42.8900
Nd 6.39000 Ni 9.51000 P  11.5500 Pb 9.28000 Re 6.13000 Rh 9.87000 Ru 10.8100
Sb 4.90000 Se 9.68000 Si 11.3100 Sr 13.0900 Te 5.57000 Th 8.76000 Ti 4.84000
Tl 5.99000 U  36.7300 V  11.0800 Zn 6.01000 Zr 8.26000
[1] Direct Intensities
Ag 6.47000 Al 11.8000 As 14.7400 B  6.06000 Ba 7.29000 Be 7.74000 Ca 42.2800
Cd 9.37000 Ce 14.4200 Co 40.7000 Cr 8.97000 Cu 13.2400 Dy 8.40000 Fe 78.4100
K  868.300 La 9.27000 Li 6.25000 Mg 11.4500 Mn 8.08000 Mo 5.88000 Na 42.8000
Nd 6.34000 Ni 9.44000 P  11.3600 Pb 9.31000 Re 6.06000 Rh 9.89000 Ru 10.7700
Sb 4.80000 Se 9.66000 Si 11.7900 Sr 13.1300 Te 5.53000 Th 8.74000 Ti 4.81000
Tl 6.00000 U  36.6900 V  11.0900 Zn 6.09000 Zr 8.25000
[1] Direct Intensities
Ag 6.49000 Al 11.8000 As 14.8600 B  6.09000 Ba 7.26000 Be 7.77000 Ca 42.2300
Cd 9.49000 Ce 14.5200 Co 41.0200 Cr 9.02000 Cu 13.3200 Dy 8.41000 Fe 78.6600
K  863.900 La 9.32000 Li 6.26000 Mg 11.4700 Mn 8.15000 Mo 5.92000 Na 42.6600
Nd 6.36000 Ni 9.53000 P  11.4800 Pb 9.27000 Re 6.14000 Rh 9.92000 Ru 10.9000
Sb 4.80000 Se 9.65000 Si 11.8100 Sr 13.1200 Te 5.63000 Th 8.76000 Ti 4.82000
Tl 6.00000 U  36.8100 V  11.1900 Zn 6.08000 Zr 8.28000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.52	-0.006	-41.66	0.00000	0.00000
Al	12.90	0.0235	7.22	0.00000	0.00000
s	15.52	-0.095	-17.08	0.00000	0.00000
B	6.15	0.0074	19.25	0.00000	0.00000
Ba	7.37	0.0018	26.03	0.00000	0.00000
Be	8.06	-0.000	-36.02	0.00000	0.00000
Ca	48.97	0.1352	0.08	0.00000	0.00000
Cd	9.88	-0.006	-32.48	0.00000	0.00000
Ce	15.11	-0.120	-22.43	0.00000	0.00000
Co	42.76	-0.248	-17.57	0.00000	0.00000
Cr	9.83	0.1603	1.86	0.00000	0.00000
Cu	14.24	0.0047	21.43	0.00000	0.00000
Dy	8.47	-0.008	-5.56	0.00000	0.00000
Fe	103.53	3.1452	0.25	0.00000	0.00000
K	960.30	)522.78	0.31	0.00000	0.00000
La	9.56	-0.008	-20.35	0.00000	0.00000
Li	6.14	-0.005	-2.66	0.00000	0.00000
Mg	13.71	0.0370	0.16	0.00000	0.00000
Mn	8.87	0.0122	3.04	0.00000	0.00000
Mo	5.62	(-0.030	-3.49	0.00000	0.00000
Na	48.21	21.430	0.32	0.00000	0.00000
Nd	6.42	-0.017	-75.50	0.00000	0.00000
Ni	10.93	0.4995	1.36	0.00000	0.00000
P	12.07	3.4349	2.22	0.00000	0.00000
Pb	9.86	0.0042	124.90	0.00000	0.00000
Re	6.15	-0.008	-54.49	0.00000	0.00000
Rh	10.66	-0.072	-13.40	0.00000	0.00000
Ru	10.96	-0.045	-17.52	0.00000	0.00000
Sb	4.76	-0.131	-57.74	0.00000	0.00000
Se	9.87	-0.037	-19.89	0.00000	0.00000
Si	13.28	1.7232	0.24	0.00000	0.00000
Sr	14.52	0.0343	0.35	0.00000	0.00000
Te	5.68	-0.031	-71.90	0.00000	0.00000
Th	9.39	-0.082	-8.15	0.00000	0.00000
Ti	4.83	-0.005	-30.55	0.00000	0.00000
Tl	5.74	-0.460	-8.25	0.00000	0.00000
U	38.36	-0.646	-8.77	0.00000	0.00000
V	11.73	-0.007	-22.25	0.00000	0.00000
Zn	6.19	0.0104	8.78	0.00000	0.00000
Zr	8.74	-0.005	-12.36	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 90-300
Sample number   = 1642
Sample code 1   = A1
Sample code 2   = P5535G
Sample code 3   = KOH-HI
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-300
Sample number   : 1642
Sample code 1   : A1
Sample code 2   : P5535G
Sample code 3   : KOH-HI
```

```
Programme      : ALLELE          13-Sep-90  10:13:17
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.48000 Al 11.7500 As 15.1400 B  6.02000 Ba 7.35000 Be 7.75000 Ca 43.1000
 d 9.46000 Ce 14.4600 Co 40.8600 Cr 8.79000 Cu 13.3000 Dy 8.40000 Fe 69.5600
K  828.200 La 9.26000 Li 6.25000 Mg 10.3800 Mn 7.89000 Mo 5.91000 Na 38.5400
Nd 6.35000 Ni 8.38000 P  11.0500 Pb 9.22000 Re 6.07000 Rh 9.92000 Ru 10.7700
Sb 4.82000 Se 9.57000 Si 11.1600 Sr 12.3800 Te 5.59000 Th 8.72000 Ti 4.82000
Tl 5.98000 U  36.7400 V  11.1500 Zn 6.09000 Zr 8.23000
[1] Direct Intensities
Ag 6.48000 Al 11.7500 As 14.6600 B  5.99000 Ba 7.34000 Be 7.72000 Ca 43.2500
Cd 9.55000 Ce 14.4400 Co 40.7900 Cr 8.77000 Cu 13.2800 Dy 8.40000 Fe 69.7900
K  831.800 La 9.29000 Li 6.28000 Mg 10.3900 Mn 7.90000 Mo 5.85000 Na 38.6900
Nd 6.33000 Ni 8.39000 P  11.0900 Pb 9.18000 Re 6.01000 Rh 9.92000 Ru 10.8000
Sb 4.81000 Se 9.55000 Si 11.1500 Sr 12.4500 Te 5.58000 Th 8.78000 Ti 4.82000
Tl 5.95000 U  36.7000 V  11.0900 Zn 6.11000 Zr 8.27000
[1] Direct Intensities
Ag 6.48000 Al 11.7600 As 14.9800 B  5.99000 Ba 7.34000 Be 7.74000 Ca 43.1700
Cd 9.42000 Ce 14.4800 Co 40.7900 Cr 8.74000 Cu 13.3100 Dy 8.39000 Fe 69.7200
K  830.700 La 9.23000 Li 6.25000 Mg 10.3900 Mn 7.88000 Mo 5.74000 Na 38.6500
Nd 6.36000 Ni 8.39000 P  11.0800 Pb 9.29000 Re 6.06000 Rh 9.91000 Ru 10.7800
Sb 4.80000 Se 9.53000 Si 11.1500 Sr 12.4000 Te 5.68000 Th 8.72000 Ti 4.87000
Tl 5.92000 U  36.6900 V  11.1500 Zn 6.12000 Zr 8.23000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.50	-0.008	0.00	0.00000	0.00000
Al	12.83	0.0088	19.25	0.00000	0.00000
As	15.74	-0.065	-66.05	0.00000	0.00000
B	6.06	0.0016	86.60	0.00000	0.00000
Ba	7.47	0.0032	3.27	0.00000	0.00000
Be	8.05	-0.000	-16.97	0.00000	0.00000
Ca	50.07	0.1385	0.20	0.00000	0.00000
Cd	9.98	-0.004	-45.40	0.00000	0.00000
Ce	15.12	-0.114	-7.32	0.00000	0.00000
Co	42.75	-0.251	-4.08	0.00000	0.00000
Cr	9.51	0.1421	1.31	0.00000	0.00000
Cu	14.25	0.0051	7.51	0.00000	0.00000
Dy	8.45	-0.009	-2.99	0.00000	0.00000
Fe	91.49	2.7513	0.19	0.00000	0.00000
K	919.58	)499.95	0.23	0.00000	0.00000
La	9.51	-0.010	-17.65	0.00000	0.00000
Li	6.15	-0.004	-28.87	0.00000	0.00000
Mg	12.28	0.0315	0.09	0.00000	0.00000
Mn	8.55	0.0099	0.99	0.00000	0.00000
Mo	5.53	(-0.033	-13.06	0.00000	0.00000
Na	43.42	18.935	0.25	0.00000	0.00000
Nd	6.40	-0.026	-30.55	0.00000	0.00000
Ni	9.40	0.3410	0.24	0.00000	0.00000
P	11.73	3.1248	0.53	0.00000	0.00000
Pb	9.79	-0.010	-139.20	0.00000	0.00000
Re	6.07	-0.014	-22.43	0.00000	0.00000
Rh	10.69	-0.063	-3.53	0.00000	0.00000
Ru	10.90	-0.050	-3.61	0.00000	0.00000
Sb	4.73	-0.161	-8.11	0.00000	0.00000
Se	9.73	-0.090	-10.34	0.00000	0.00000
Si	12.45	1.4936	0.14	0.00000	0.00000
Sr	13.66	0.0302	0.69	0.00000	0.00000
Te	5.73	-0.013	-183.58	0.00000	0.00000

Th	9.38	-0.090	-22.59	0.00000	0.00000
Ti	4.85	-0.004	-78.73	0.00000	0.00000
Tl	5.69	-0.767	-25.71	0.00000	0.00000
U	38.32	-0.677	-3.62	0.00000	0.00000
[illegible]	11.74	-0.007	-13.15	0.00000	0.00000
n	6.25	0.0113	2.81	0.00000	0.00000
Zr	8.71	-0.006	-15.75	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 90-301
Sample number   = 1643
Sample code 1   = A1
Sample code 2   = P5814G
Sample code 3   = KOH-NI
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-301
Sample number   : 1643
Sample code 1   : A1
Sample code 2   : P5814G
Sample code 3   : KOH-NI
Programme       : ALLELE          13-Sep-90  18:18:06
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.47000 Al 11.7100 As 14.9900 B  5.96000 Ba 7.25000 Be 7.70000 Ca 36.6700
Cd 9.44000 Ce 14.3800 Co 40.6600 Cr 8.86000 Cu 13.2500 Dy 8.38000 Fe 72.4400
K  863.700 La 9.21000 Li 6.26000 Mg 9.65000 Mn 7.89000 Mo 5.88000 Na 40.4500
Nd 6.35000 Ni 7.51000 P  11.1500 Pb 9.24000 Re 6.08000 Rh 9.87000 Ru 10.7500
Sb 4.80000 Se 9.66000 Si 11.3500 Sr 12.6500 Te 5.58000 Th 8.72000 Ti 4.80000
Tl 5.89000 U  36.6300 V  11.0500 Zn 5.81000 Zr 8.22000
[1] Direct Intensities
Ag 6.49000 Al 11.7200 As 15.1600 B  5.96000 Ba 7.26000 Be 7.71000 Ca 36.5800
Cd 9.37000 Ce 14.4300 Co 40.7900 Cr 8.87000 Cu 13.2800 Dy 8.46000 Fe 72.3300
K  860.200 La 9.27000 Li 6.25000 Mg 9.61000 Mn 7.90000 Mo 5.80000 Na 40.2900
Nd 6.37000 Ni 7.52000 P  11.1000 Pb 9.22000 Re 6.08000 Rh 9.91000 Ru 10.8000
Sb 4.88000 Se 9.50000 Si 11.3500 Sr 12.6600 Te 5.64000 Th 8.74000 Ti 4.90000
Tl 5.87000 U  36.7000 V  11.1000 Zn 5.84000 Zr 8.25000
[1] Direct Intensities
Ag 6.52000 Al 11.7500 As 14.9200 B  5.98000 Ba 7.30000 Be 7.72000 Ca 36.4900
Cd 9.40000 Ce 14.4800 Co 40.9800 Cr 8.88000 Cu 13.3200 Dy 8.48000 Fe 72.3300
K  855.600 La 9.29000 Li 6.28000 Mg 9.64000 Mn 7.92000 Mo 5.88000 Na 40.0800
Nd 6.36000 Ni 7.52000 P  11.0100 Pb 9.32000 Re 6.07000 Rh 9.90000 Ru 10.7400
Sb 4.88000 Se 9.63000 Si 11.3700 Sr 12.6800 Te 5.60000 Th 8.79000 Ti 4.82000
Tl 5.86000 U  36.7900 V  11.1900 Zn 5.81000 Zr 8.25000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.52	-0.006	-32.82	0.00000	0.00000
Al	12.80	0.0010	624.59	0.00000	0.00000
As	15.87	-0.043	-45.15	0.00000	0.00000
B	6.02	-0.001	-86.60	0.00000	0.00000
Ba	7.38	0.0019	25.60	0.00000	0.00000
Be	8.01	-0.000	-8.57	0.00000	0.00000
Ca	42.15	0.1145	0.29	0.00000	0.00000
Cd	9.88	-0.006	-15.96	0.00000	0.00000
Ce	15.08	-0.127	-16.48	0.00000	0.00000
Co	42.74	-0.252	-16.20	0.00000	0.00000

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Cr          9.64   0.1497     0.49  0.00000  0.00000
Cu         14.24   0.0048    18.48  0.00000  0.00000
Dy          8.48   -0.008   -31.13  0.00000  0.00000
Fe         95.11   2.8696     0.10  0.00000  0.00000
K         952.48  )518.40     0.49  0.00000  0.00000
 a          9.51   -0.011   -24.02  0.00000  0.00000
Li          6.15   -0.004   -26.96  0.00000  0.00000
Mg         11.27   0.0277     0.38  0.00000  0.00000
Mn          8.57   0.0101     1.49  0.00000  0.00000
Mo          5.56  (-0.032    -7.22  0.00000  0.00000
Na         45.31   19.923     0.56  0.00000  0.00000
Nd          6.42   -0.019   -27.27  0.00000  0.00000
Ni          8.20   0.2163     0.38  0.00000  0.00000
P          11.74   3.1354     1.80  0.00000  0.00000
Pb          9.83   -0.003  -529.17  0.00000  0.00000
Re          6.11   -0.011    -5.09  0.00000  0.00000
Rh         10.66   -0.072   -11.15  0.00000  0.00000
Ru         10.87  (-0.053    -7.25  0.00000  0.00000
Sb          4.79   -0.105   -57.73  0.00000  0.00000
Se          9.79   -0.068   -57.99  0.00000  0.00000
Si         12.71   1.5654     0.26  0.00000  0.00000
Sr         13.97   0.0317     0.28  0.00000  0.00000
Te          5.72   -0.017   -76.37  0.00000  0.00000
Th          9.39   -0.084   -25.15  0.00000  0.00000
Ti          4.80   -0.007   -17.32  0.00000  0.00000
Tl          5.60   -1.270    -7.90  0.00000  0.00000
U          38.31   -0.680   -10.94  0.00000  0.00000
V          11.72   -0.007   -25.34  0.00000  0.00000
Zn          5.87   0.0054     6.75  0.00000  0.00000
Zr          8.71   -0.006   -11.55  0.00000  0.00000


More samples [Y/N] ?
Sample name     = 90-301
Sample number   = 1644
Sample code 1   = A2
Sample code 2   = P5801G
Sample code 3   = KOH-NI
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-301
Sample number   : 1644
Sample code 1   : A2
Sample code 2   : P5801G
Sample code 3   : KOH-NI
Programme       : ALLELE          13-Sep-90  18:23:00
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.48000 Al 11.7500 As 15.1400 B  5.97000 Ba 7.24000 Be 7.75000 Ca 38.4900
Cd 9.40000 Ce 14.3900 Co 40.6400 Cr 8.88000 Cu 13.2700 Dy 8.40000 Fe 73.3800
K  921.600 La 9.30000 Li 6.25000 Mg 10.2200 Mn 8.08000 Mo 5.81000 Na 40.5200
Nd 6.33000 Ni 7.95000 P  11.0500 Pb 9.18000 Re 6.07000 Rh 9.88000 Ru 10.8100
Sb 4.89000 Se 9.56000 Si 11.5400 Sr 12.7500 Te 5.59000 Th 8.74000 Ti 4.80000
Tl 5.85000 U  36.6100 V  11.1500 Zn 5.82000 Zr 8.31000
[1] Direct Intensities
Ag 6.47000 Al 11.7300 As 14.8000 B  5.96000 Ba 7.25000 Be 7.73000 Ca 38.6100
Cd 9.41000 Ce 14.3900 Co 40.6400 Cr 8.88000 Cu 13.1600 Dy 8.38000 Fe 73.7900
K' 925.900 La 9.28000 Li 6.24000 Mg 10.2100 Mn 8.08000 Mo 5.88000 Na 40.6800
```

Nd 6.34000 Ni 7.96000 P 11.1900 Pb 9.30000 Re 6.07000 Rh 9.86000 Ru 10.7600
Sb 4.78000 Se 9.51000 Si 11.5800 Sr 12.7500 Te 5.54000 Th 8.70000 Ti 4.81000
Tl 5.74000 U 36.5600 V 11.0800 Zn 5.88000 Zr 8.29000
[1] Direct Intensities
Ag 6.44000 Al 11.7400 As 14.9700 B 5.95000 Ba 7.22000 Be 7.69000 Ca 38.6600
Cd 9.44000 Ce 14.3800 Co 40.6000 Cr 8.86000 Cu 13.2100 Dy 8.39000 Fe 73.7400
K 928.700 La 9.24000 Li 6.21000 Mg 10.2400 Mn 8.09000 Mo 5.86000 Na 40.7800
Nd 6.28000 Ni 7.91000 P 11.1500 Pb 9.28000 Re 6.04000 Rh 9.87000 Ru 10.7800
Sb 4.81000 Se 9.50000 Si 11.5600 Sr 12.7800 Te 5.56000 Th 8.73000 Ti 4.81000
Tl 5.80000 U 36.4900 V 11.1000 Zn 5.88000 Zr 8.29000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.48	-0.009	-19.52	0.00000	0.00000
Al	12.82	0.0049	60.00	0.00000	0.00000
As	15.80	-0.058	-52.04	0.00000	0.00000
B	6.01	-0.002	-50.00	0.00000	0.00000
Ba	7.33	0.0013	21.82	0.00000	0.00000
Be	8.03	-0.000	-29.57	0.00000	0.00000
Ca	44.56	0.1218	0.26	0.00000	0.00000
Cd	9.89	-0.006	-10.07	0.00000	0.00000
Ce	15.03	-0.145	-1.67	0.00000	0.00000
Co	42.49	-0.298	-1.96	0.00000	0.00000
Cr	9.65	0.1500	0.57	0.00000	0.00000
Cu	14.16	0.0030	45.90	0.00000	0.00000
Dy	8.44	-0.009	-5.00	0.00000	0.00000
Fe	96.82	2.9256	0.34	0.00000	0.00000
K	1025.36	)559.27	0.40	0.00000	0.00000
La	9.53	-0.010	-19.59	0.00000	0.00000
Li	6.12	-0.006	-24.02	0.00000	0.00000
Mg	12.06	0.0307	0.25	0.00000	0.00000
Mn	8.81	0.0118	0.48	0.00000	0.00000
Mo	5.55	(-0.032	-5.60	0.00000	0.00000
Na	45.76	20.155	6.39	0.00000	0.00000
Nd	6.37	-0.041	-40.18	0.00000	0.00000
Ni	8.79	0.2770	1.37	0.00000	0.00000
P	11.78	3.1699	1.81	0.00000	0.00000
Pb	9.82	-0.004	-385.76	0.00000	0.00000
Re	6.09	-0.012	-13.32	0.00000	0.00000
Rh	10.63	-0.081	-4.76	0.00000	0.00000
Ru	10.90	-0.050	-5.94	0.00000	0.00000
Sb	4.75	-0.140	-53.31	0.00000	0.00000
Se	9.69	-0.103	-14.61	0.00000	0.00000
Si	12.97	1.6372	0.43	0.00000	0.00000
Sr	14.09	0.0322	0.31	0.00000	0.00000
Te	5.66	-0.036	-30.20	0.00000	0.00000
Th	9.35	-0.100	-12.24	0.00000	0.00000
Ti	4.80	-0.007	-8.66	0.00000	0.00000
Tl	5.51	(-1.774	-20.40	0.00000	0.00000
U	38.13	-0.822	-6.80	0.00000	0.00000
V	11.71	-0.007	-12.73	0.00000	0.00000
Zn	5.92	0.0062	11.68	0.00000	0.00000
Zr	8.78	-0.004	-12.37	0.00000	0.00000

More samples [Y/N] ?
Sample name = 90-301
Sample number = 1645
Sample code 1 = A3
Sample code 2 = KOH-NI

```
Sample code 3  = BLK
Weight         =

Press <CR> when ready to start measurement
?4;132H6n
 ample name     : 90-301
sample number   : 1645
Sample code 1   : A3
Sample code 2   : KOH-NI
Sample code 3   : BLK
Programme       : ALLELE          13-Sep-90  18:27:35
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.46000 Al 11.5700 As 15.0400 B  5.92000 Ba 7.10000 Be 7.70000 Ca 10.9000
Cd 9.46000 Ce 14.3700 Co 40.6200 Cr 6.70000 Cu 13.0100 Dy 8.38000 Fe 7.34000
K  859.300 La 9.24000 Li 6.28000 Mg 4.48000 Mn 6.82000 Mo 5.90000 Na 7.25000
Nd 6.37000 Ni 6.37000 P  7.07000 Pb 9.05000 Re 6.09000 Rh 9.85000 Ru 10.4800
Sb 4.90000 Se 9.65000 Si 6.90000 Sr 7.06000 Te 5.58000 Th 8.75000 Ti 4.80000
Tl 5.87000 U  36.4000 V  11.0100 Zn 5.49000 Zr 8.22000
[1] Direct Intensities
Ag 6.42000 Al 11.5600 As 14.7400 B  5.94000 Ba 7.13000 Be 7.75000 Ca 10.9400
Cd 9.38000 Ce 14.3800 Co 40.5600 Cr 6.72000 Cu 12.9800 Dy 8.40000 Fe 7.34000
K  860.400 La 9.26000 Li 6.27000 Mg 4.48000 Mn 6.86000 Mo 5.74000 Na 7.24000
Nd 6.36000 Ni 6.40000 P  7.17000 Pb 9.08000 Re 6.05000 Rh 9.88000 Ru 10.5300
Sb 4.79000 Se 9.61000 Si 6.92000 Sr 7.08000 Te 5.62000 Th 8.71000 Ti 4.80000
Tl 5.76000 U  36.4200 V  11.0800 Zn 5.50000 Zr 8.20000
[1] Direct Intensities
Ag 6.48000 Al 11.6100 As 14.7800 B  5.98000 Ba 7.19000 Be 7.76000 Ca 11.6400
Cd 9.48000 Ce 14.5200 Co 41.0000 Cr 6.79000 Cu 13.1400 Dy 8.48000 Fe 7.44000
K  930.300 La 9.29000 Li 6.26000 Mg 4.59000 Mn 6.89000 Mo 5.81000 Na 7.30000
Nd 6.38000 Ni 6.49000 P  7.26000 Pb 9.23000 Re 6.09000 Rh 9.95000 Ru 10.6600
Sb 4.80000 Se 9.50000 Si 6.97000 Sr 7.11000 Te 5.58000 Th 8.78000 Ti 4.86000
Tl 5.75000 U  36.7600 V  11.2600 Zn 5.58000 Zr 8.27000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.47	-0.010	-26.19	0.00000	0.00000
Al	12.62	-0.042	-18.46	0.00000	0.00000
As	15.64	-0.078	-36.74	0.00000	0.00000
B	5.99	-0.003	-91.65	0.00000	0.00000
Ba	7.21	-0.000	-171.85	0.00000	0.00000
Be	8.05	-0.000	-35.72	0.00000	0.00000
Ca	11.61	0.0217	6.99	0.00000	0.00000
Cd	9.93	-0.005	-28.86	0.00000	0.00000
Ce	15.08	-0.130	-27.05	0.00000	0.00000
Co	42.63	-0.273	-22.16	0.00000	0.00000
Cr	6.82	-0.008	-44.30	0.00000	0.00000
Cu	13.97	-0.001	-170.10	0.00000	0.00000
Dy	8.48	-0.008	-31.13	0.00000	0.00000
Fe	7.35	-0.001	-216.50	0.00000	0.00000
K	978.60	)533.05	4.76	0.00000	0.00000
La	9.51	-0.010	-15.10	0.00000	0.00000
Li	6.16	-0.004	-20.00	0.00000	0.00000
Mg	4.46	0.0019	17.16	0.00000	0.00000
Mn	7.15	-0.000	-150.51	0.00000	0.00000
Mo	5.50	(-0.034	-11.85	0.00000	0.00000
Na	7.28	0.1120	17.22	0.00000	0.00000
Nd	6.43	-0.014	-37.50	0.00000	0.00000
Ni	6.69	0.0592	15.11	0.00000	0.00000

P	8.34	0.0186	407.31	0.00000	0.00000
Pb	9.64	-0.038	-64.29	0.00000	0.00000
Re	6.11	-0.011	-20.38	0.00000	0.00000
Rh	10.66	-0.072	-27.49	0.00000	0.00000
Ru	10.59	(-0.077	-14.29	0.00000	0.00000
[illegible]	4.75	-0.135	-58.87	0.00000	0.00000
[illegible]	9.77	-0.073	-49.58	0.00000	0.00000
Si	7.11	0.0024	540.89	0.00000	0.00000
Sr	7.12	-0.000	-30.20	0.00000	0.00000
Te	5.70	-0.023	-43.30	0.00000	0.00000
Th	9.38	-0.086	-23.94	0.00000	0.00000
Ti	4.82	-0.006	-64.95	0.00000	0.00000
Tl	5.50	(-1.796	-24.36	0.00000	0.00000
U	38.10	-0.847	-22.15	0.00000	0.00000
V	11.72	-0.007	-46.62	0.00000	0.00000
Zn	5.48	-0.001	-123.32	0.00000	0.00000
Zr	8.70	-0.007	-22.53	0.00000	0.00000

More samples [Y/N] ?
Sample name = CL1
Sample number = 1646
Sample code 1 =
Sample code 2 =
Sample code 3 =
Weight =

Press <CR> when ready to start measurement
24;132H6n
Sample name : CL1
Sample number : 1646
Programme : ALLELE 13-Sep-90 18:32:45
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.40000 Al 11.6000 As 14.6700 B 5.37000 Ba 7.05000 Be 7.74000 Ca 5.12000
Cd 9.22000 Ce 14.3400 Co 40.5900 Cr 6.73000 Cu 12.7900 Dy 8.37000 Fe 7.26000
K 27.8900 La 9.20000 Li 6.24000 Mg 4.14000 Mn 6.73000 Mo 5.98000 Na 6.97000
Nd 6.30000 Ni 5.95000 P 7.06000 Pb 8.99000 Re 5.99000 Rh 9.88000 Ru 10.5400
Sb 4.82000 Se 9.37000 Si 6.80000 Sr 7.06000 Te 5.55000 Th 8.70000 Ti 4.79000
Tl 5.80000 U 36.3800 V 11.0600 Zn 5.40000 Zr 8.22000
[1] Direct Intensities
Ag 6.40000 Al 11.5800 As 15.0800 B 5.86000 Ba 7.08000 Be 7.75000 Ca 5.16000
Cd 9.38000 Ce 14.4100 Co 40.5600 Cr 6.74000 Cu 12.7600 Dy 8.39000 Fe 7.22000
K 27.7900 La 9.29000 Li 6.23000 Mg 4.17000 Mn 6.73000 Mo 5.72000 Na 6.97000
Nd 6.34000 Ni 5.91000 P 6.91000 Pb 9.06000 Re 5.99000 Rh 9.86000 Ru 10.5500
Sb 4.81000 Se 9.39000 Si 6.70000 Sr 7.07000 Te 5.57000 Th 8.71000 Ti 4.79000
Tl 5.70000 U 36.3900 V 11.0800 Zn 5.47000 Zr 8.22000
[1] Direct Intensities
Ag 6.42000 Al 11.5900 As 14.7400 B 5.90000 Ba 7.07000 Be 7.68000 Ca 5.17000
Cd 9.41000 Ce 14.3600 Co 40.6100 Cr 6.73000 Cu 12.7800 Dy 8.39000 Fe 7.24000
K 27.8100 La 9.22000 Li 6.24000 Mg 4.11000 Mn 6.73000 Mo 5.67000 Na 6.98000
Nd 6.30000 Ni 5.93000 P 6.98000 Pb 9.06000 Re 6.06000 Rh 9.88000 Ru 10.5700
Sb 4.83000 Se 9.56000 Si 6.80000 Sr 7.09000 Te 5.50000 Th 8.73000 Ti 4.80000
Tl 5.68000 U 36.3500 V 11.0300 Zn 5.38000 Zr 8.20000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.42	-0.014	-7.07	0.00000	0.00000
Al	12.63	-0.039	-7.50	0.00000	0.00000
As*	15.61	-0.082	-47.00	0.00000	0.00000

B	5.91	-0.009	-20.14	0.00000	0.00000
Ba	7.12	-0.002	-15.28	0.00000	0.00000
Be	8.03	-0.000	-36.64	0.00000	0.00000
Ca	4.39	-0.000	-46.69	0.00000	0.00000
Cd	9.78	-0.008	-35.63	0.00000	0.00000
Ce	15.01	-0.152	-9.92	0.00000	0.00000
Co	42.43	-0.308	-2.07	0.00000	0.00000
Cr	6.81	-0.008	-5.25	0.00000	0.00000
Cu	13.66	-0.008	-3.61	0.00000	0.00000
Dy	8.43	-0.010	-5.59	0.00000	0.00000
Fe	7.17	-0.007	-12.50	0.00000	0.00000
K	27.75	-0.224	-13.13	0.00000	0.00000
La	9.48	-0.012	-24.44	0.00000	0.00000
Li	6.12	-0.006	-6.93	0.00000	0.00000
Mg	3.95	-0.000	-450.07	0.00000	0.00000
Mn	6.98	-0.001	0.00	0.00000	0.00000
Mo	5.46	(-0.035	-23.66	0.00000	0.00000
Na	6.94	-0.062	-5.59	0.00000	0.00000
Nd	6.36	-0.043	-27.71	0.00000	0.00000
Ni	6.01	-0.011	-26.09	0.00000	0.00000
P	8.18	-0.127	-46.91	0.00000	0.00000
Pb	9.52	-0.059	-17.32	0.00000	0.00000
Re	6.03	-0.017	-22.88	0.00000	0.00000
Rh	10.63	-0.080	-5.59	0.00000	0.00000
Ru	10.59	(-0.078	-2.34	0.00000	0.00000
Sb	4.74	-0.148	-8.82	0.00000	0.00000
Se	9.58	-0.142	-34.42	0.00000	0.00000
Si	6.93	-0.046	-8.88	0.00000	0.00000
Sr	7.11	-0.001	-16.37	0.00000	0.00000
Te	5.63	-0.046	-33.80	0.00000	0.00000
Th	9.34	-0.106	-8.49	0.00000	0.00000
Ti	4.78	-0.009	-7.22	0.00000	0.00000
Tl	5.42	(-2.234	-18.91	0.00000	0.00000
U	37.92	-0.989	-1.95	0.00000	0.00000
V	11.64	-0.009	-7.48	0.00000	0.00000
Zn	5.34	-0.003	-32.22	0.00000	0.00000
Zr	8.67	-0.007	-6.54	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CH3
Sample number   = 1647
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Sample number   : 1647
Programme       : ALLELE            13-Sep-90  18:37:00
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.99000 Al 46.3400 As 26.9300 B  127.900 Ba 7.19000 Be 8.28000 Ca 2819.00
Cd 369.500 Ce 15.1500 Co 41.6700 Cr 141.900 Cu 15.1200 Dy 227.700 Fe 7.58000
K  109.800 La 174.300 Li 299.800 Mg 5.07000 Mn 1025.50 Mo 6.36000 Na 179.500
Nd 26.3200 Ni 6.56000 P  19.3600 Pb 10.4500 Re 111.300 Rh 11.1800 Ru 94.5400
Sb 4.99000 Se 31.2600 Si 35.3500 Sr 18.3200 Te 6.57000 Th 26.1600 Ti 5.20000
Tl 7.33000 U  38.0700 V  12.6600 Zn 5.99000 Zr 30.3100
```

[1] Direct Intensities
Ag 6.95000 Al 46.4500 As 26.9200 B 129.100 Ba 7.25000 Be 8.26000 Ca 2828.00
Cd 371.100 Ce 15.1900 Co 41.6600 Cr 142.600 Cu 15.1300 Dy 228.700 Fe 7.54000
K 109.900 La 174.600 Li 300.700 Mg 5.03000 Mn 1029.90 Mo 6.37000 Na 179.800
Nd 26.4000 Ni 6.56000 P 19.3700 Pb 10.4700 Re 111.700 Rh 11.1400 Ru 95.3400
Sb 4.98000 Se 30.9800 Si 35.4600 Sr 18.3900 Te 6.56000 Th 26.2200 Ti 5.23000
Tl 7.34000 U 38.1000 V 12.6700 Zn 5.91000 Zr 30.4500
[1] Direct Intensities
Ag 6.95000 Al 46.5100 As 26.7500 B 130.000 Ba 7.26000 Be 8.26000 Ca 2829.00
Cd 371.700 Ce 15.1500 Co 41.7200 Cr 142.600 Cu 15.0800 Dy 228.600 Fe 7.55000
K 109.900 La 174.800 Li 300.500 Mg 5.08000 Mn 1030.00 Mo 6.56000 Na 179.800
Nd 26.4000 Ni 6.57000 P 19.4100 Pb 10.4900 Re 111.700 Rh 11.1300 Ru 95.1900
Sb 4.99000 Se 31.3500 Si 35.4900 Sr 18.4000 Te 6.55000 Th 26.2400 Ti 5.19000
Tl 7.42000 U 38.0800 V 12.7500 Zn 5.96000 Zr 30.4500

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.05	0.0329	5.37	0.00000	0.00000
Al	56.60	10.210	0.25	0.00000	0.00000
As	31.80	2.0379	0.87	0.00000	0.00000
B	160.93	10.137	0.36	0.00000	0.00000
Ba	7.33	0.0012	56.79	0.00000	0.00000
Be	8.72	0.0011	2.62	0.00000	0.00000
Ca	3392.65	10.289	0.20	0.00000	0.00000
Cd	509.83	9.9331	0.31	0.00000	0.00000
Ce	16.03	0.1799	5.37	0.00000	0.00000
Co	43.96	-0.029	-23.34	0.00000	0.00000
Cr	186.49	10.012	0.30	0.00000	0.00000
Cu	16.30	0.0505	1.00	0.00000	0.00000
Dy	274.88	10.284	0.25	0.00000	0.00000
Fe	7.60	0.0069	13.29	0.00000	0.00000
K	118.93	50.914	0.07	0.00000	0.00000
La	210.89	10.194	0.25	0.00000	0.00000
Li	335.76	20.920	0.16	0.00000	0.00000
Mg	5.20	0.0047	0.62	0.00000	0.00000
Mn	1391.52	10.045	0.25	0.00000	0.00000
Mo	6.44	-0.003	-177.94	0.00000	0.00000
Na	205.98	103.60	0.10	0.00000	0.00000
Nd	29.68	10.269	0.23	0.00000	0.00000
Ni	6.89	0.0797	1.04	0.00000	0.00000
P	18.93	9.7297	0.22	0.00000	0.00000
Pb	11.46	0.3012	1.67	0.00000	0.00000
Re	138.03	10.112	0.22	0.00000	0.00000
Rh	12.27	0.4148	2.47	0.00000	0.00000
Ru	124.19	9.9905	0.51	0.00000	0.00000
Sb	4.98	0.0698	10.82	0.00000	0.00000
Se	37.87	10.012	0.90	0.00000	0.00000
Si	43.21	10.067	0.26	0.00000	0.00000
Sr	20.97	0.0645	0.39	0.00000	0.00000
Te	7.02	0.3981	1.69	0.00000	0.00000
Th	31.19	10.200	0.24	0.00000	0.00000
Ti	5.36	0.0363	6.25	0.00000	0.00000
Tl	7.36	8.5194	3.80	0.00000	0.00000
U	39.95	0.5963	2.37	0.00000	0.00000
V	13.83	0.0343	3.79	0.00000	0.00000
Zn	6.05	0.0081	10.36	0.00000	0.00000
Zr	37.78	0.9277	0.37	0.00000	0.00000

More samples [Y/N] ? N

```
 LGF
>NORM ALLELE
Result file (<CR> for no storage) = SIMN1
Do you wish to normalise all standards [Y/N] ?

The following standards are used in this programme(s) :
 CL1    CH4     CH3     CH2
Sample name    : CL1

Press <CR> when ready to start measurement
24;132H6n
Sample name    : CL1
Programme      : ALLELE          13-Sep-90  20:14:59
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AG 6.45000 AL 11.5300 AS 14.7600 BO 5.91000 BA 7.05000 BE 7.69000 CA 5.11000
CD 9.45000 CE 14.4300 CO 40.7400 CR 6.75000 CU 12.7700 DY 8.44000 FE 7.24000
K1 27.8000 LA 9.29000 LI 6.26000 MG 4.09000 MN 6.73000 MO 5.65000 NA 6.98000
ND 6.34000 NI 5.94000 P4 7.36000 PB 9.10000 RE 6.06000 RH 9.90000 RU 10.8000
SB 4.87000 SE 9.46000 SI 6.79000 SR 7.07000 TE 5.55000 TH 8.79000 TI 4.85000
TL 5.74000 U  36.5100 V  11.0100 ZN 5.39000 ZR 8.24000
[1] Direct Intensities
AG 6.40000 AL 11.5200 AS 14.6500 BO 5.89000 BA 7.07000 BE 7.69000 CA 5.09000
CD 9.39000 CE 14.4000 CO 40.7900 CR 6.76000 CU 12.7800 DY 8.43000 FE 7.29000
K1 27.7000 LA 9.25000 LI 6.25000 MG 4.06000 MN 6.74000 MO 5.60000 NA 6.98000
ND 6.34000 NI 5.89000 P4 7.30000 PB 8.98000 RE 6.00000 RH 9.89000 RU 10.7900
SB 4.87000 SE 9.38000 SI 6.79000 SR 7.06000 TE 5.56000 TH 8.77000 TI 4.81000
TL 5.80000 U  36.5300 V  11.0500 ZN 5.37000 ZR 8.23000
[1] Direct Intensities
AG 6.47000 AL 11.5200 AS 14.8800 BO 5.35000 BA 7.07000 BE 7.72000 CA 5.06000
CD 9.39000 CE 14.4600 CO 40.9100 CR 6.73000 CU 12.8500 DY 8.43000 FE 7.22000
K1 27.9800 LA 9.24000 LI 6.27000 MG 4.05000 MN 6.74000 MO 5.57000 NA 7.02000
ND 6.36000 NI 5.92000 P4 7.25000 PB 9.18000 RE 6.06000 RH 9.95000 RU 10.8000
SB 4.81000 SE 9.48000 SI 6.80000 SR 7.08000 TE 5.55000 TH 8.77000 TI 4.80000
TL 5.78000 U  36.6800 V  11.1000 ZN 5.45000 ZR 8.26000
```

NAME	MV INT	RSD	BCOR
AG	6.44	0.56	0.00000
AL	11.52	0.05	0.00000
AS	14.76	0.78	0.00000
BO	5.88	0.52	0.00000
BA	7.06	0.16	0.00000
BE	7.70	0.22	0.00000
CA	5.09	0.49	0.00000
CD	9.41	0.37	0.00000
CE	14.43	0.21	0.00000
CO	40.81	0.21	0.00000
CR	6.75	0.23	0.00000
CU	12.80	0.34	0.00000
DY	8.43	0.07	0.00000
FE	7.25	0.50	0.00000
K1	27.83	0.51	0.00000
LA	9.26	0.29	0.00000
LI	6.26	0.16	0.00000
MG	4.07	0.51	0.00000
MN	6.74	0.09	0.00000
MO	5.61	0.72	0.00000
NA	6.99	0.33	0.00000

ND	6.35	0.18	0.00000
NI	5.92	0.43	0.00000
P4	7.30	0.75	0.00000
PB	9.09	1.11	0.00000
RE	6.04	0.57	0.00000
RH	9.91	0.32	0.00000
RU	10.90	0.05	0.00000
SB	4.85	0.71	0.00000
SE	9.44	0.56	0.00000
SI	6.79	0.08	0.00000
SR	7.07	0.14	0.00000
TE	5.53	0.52	0.00000
TH	8.78	0.13	0.00000
TI	4.82	0.55	0.00000
TL	5.77	0.53	0.00000
U	36.57	0.25	0.00000
V	11.05	0.41	0.00000
ZN	5.40	0.77	0.00000
ZR	8.24	0.19	0.00000

Store [N/Y] ? Y

Channel	Old	New	Nominal	Drift
AG	6.57000	6.44000	6.60333	*
AL8	11.7233	11.5233	12.7967	*
AS	15.2967	14.7633	16.2400	*
B04	5.98000	5.88333	6.03667	*
BA02	7.16667	7.06333	7.24667	*
BE	7.82667	7.70000	8.16000	*
CA15	5.20667	5.08667	4.45333	*
CD	9.62333	9.41000	10.1800	*
CE18	14.7333	14.4300	15.4767	*
CO	41.8033	40.8133	44.1133	*
CR21	6.84333	6.74667	6.96000	*
CU	13.0933	12.8000	14.0233	*
DY26	8.59000	8.43333	8.68333	*
FE05	7.40000	7.25000	7.39000	*
K14	28.1867	27.8267	28.1467	*
LA13	9.43000	9.26000	9.71667	*
LI10	6.32000	6.26000	6.21333	*
MG6	4.14667	4.06667	3.96333	*
MN20	6.88000	6.73667	7.18333	*
MO23	6.49333	5.60667	6.54000	*
NA22	7.07667	6.99333	7.06000	*
ND16	6.39667	6.34667	6.46000	*
NI19	6.00667	5.91667	6.12000	*
P4	7.14333	7.30333	8.32000	*
PB	9.27000	9.08667	9.84000	*
RE25	6.19000	6.04000	6.25333	*
RH12	10.0800	9.91333	10.8967	*
RU03	11.2067	10.7967	11.4667	*
SB	4.93333	4.85000	4.90000	
SE	9.74333	9.44000	9.97667	*
SI7	6.92333	6.79333	7.09667	*
SR17	7.16667	7.07000	7.22000	*
TE01	5.64667	5.53333	5.77333	*
TH	8.89333	8.77667	9.56667	*
TI11	4.87333	4.82000	4.89667	*
TL	6.06667	5.77333	5.82667	

```
U        37.4400 36.5733 39.1867   *
V        11.3933 11.0533 12.0933   *
ZN9      5.56333 5.40333 5.53667   *
ZR24     8.39000 8.24333 8.90667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name    : CH4

Press <CR> when ready to start measurement
24;132H6n
Sample name    : CH4
Programme      : ALLELE          13-Sep-90  20:18:03
[******] +5 volt power supply out.
[1] Direct Intensities
AG 124.800 U  144.200
[1] Direct Intensities
AG 124.600 U  143.900
[1] Direct Intensities
AG 125.000 U  144.300

NAME       MV INT      RSD     BCOR

AG         124.80     0.16  0.00000
U          144.13     0.14  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal Drift
AG       126.033 124.800 141.667   *
U        145.333 144.133 167.467   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y

Sample name    : CH3

Press <CR> when ready to start measurement
24:132H6n
Sample name    : CH3
Programme      : ALLELE          13-Sep-90  20:23:01
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
AL 45.7400 B0 126.200 CA 2772.00 CD [illegible] CR 139.700 DY 223.700 K1 109.000
LA 171.300 LI 295.800 MN 1008.90 NA 175.800 ND 26.0600 P4 19.5400 RE 109.700
RU 93.4100 SE 30.8600 SI 34.9000 [illegible] 7.39000
[1] Direct Intensities
AL 45.9300 B0 127.400 CA 2789.00 CD [illegible] CR 140.500 DY 224.600 K1 109.700
LA 172.200 LI 297.100 MN 1014.80 NA 177.600 ND 26.1600 P4 20.0600 RE 110.300
RU 93.8600 SE 30.9900 SI 35.0800 [illegible] TL 7.42000
[1] Direct Intensities
AL 45.8700 B0 127.800 CA 2784.00 CD [illegible] CR 140.700 DY 224.200 K1 109.200
LA 172.000 LI 295.100 MN 1016.10 NA [illegible] ND 26.1200 P4 19.9400 RE 110.200
RU 94.0700 SE 30.9400 SI 35.0600 [illegible] TL 7.32000

NAME       MV INT      RSD     BCOR

AL          45.85     0.21  0.00000
B0         127.13     0.65  0.00000
```

CA	2781.67	0.31	0.00000
CD	[illegible]	[illegible]	0.00000
CR	140.30	0.38	0.00000
DY	224.17	0.20	0.00000
K1	109.30	0.33	0.00000
LA	171.83	0.28	0.00000
LI	296.00	0.34	0.00000
MN	1013.27	0.39	0.00000
NA	177.03	0.28	0.00000
ND	26.11	0.19	0.00000
P4	19.85	1.37	0.00000
RE	110.07	0.29	0.00000
RU	93.78	0.36	0.00000
SE	30.93	0.20	0.00000
SI	35.01	0.28	0.00000
TH	[illegible]	[illegible]	0.00000
TL	7.38	0.70	0.00000

```
Store [N/Y] ? N

Channel  Old      New      Nominal Drift
AL8      45.7200 45.8467 55.7033   *
B04      127.333 127.133 158.733   *
CA15     2746.00 2781.67 3297.33   *
CD       373.200 256.200 513.200   *
CR21     142.200 140.300 186.267   *
DY26     222.267 224.167 267.533   *
K14      108.400 109.300 117.300   *
LA13     171.333 171.833 207.067   *
LI10     287.400 296.000 321.267   *
MN20     1023.90 1013.27 1385.33   *
NA22     173.700 177.033 199.067   *
ND16     25.8500 26.1133 29.0733   *
P4       19.7200 19.8467 19.2233   *
RE25     110.400 110.067 136.567   *
RU03     95.1033 93.7800 124.300   *
SE       31.1700 30.9267 37.8333   *
SI7      35.2433 35.0133 42.9700   *
TH       25.8667 29.3967 30.7667   *
TL       7.68000 7.37667 7.73667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? N

Sample name    : CH2

Press <CR> when ready to start measurement
24;132H6n
Sample name    : CH2
Programme      : ALLELE          13-Sep-90  20:26:50
[******] +5 volt power supply out.
[1] Direct Intensities
AS 71.4000 BA 561.400 BE 419.000 CE 38.7900 CO 80.8400 CU 415.600 FE 234.000
MG 1982.00 MO 189.700 NI 75.5000 PB 48.9000 RH 36.2200 SB 20.0100 SR 1769.00
TE 28.4200 TI 97.3900 V  391.400 ZN 485.300 ZR 248.600
[1] Direct Intensities
AS 71.6500 BA 562.000 BE 420.800 CE 38.9600 CO 81.1200 CU 416.400 FE 234.800
MG 1988.00 MO 190.000 NI 75.7600 PB 49.0200 RH 36.3200 SB 20.1100 SR 1772.00
TE 28.5500 TI 97.5900 V  392.500 ZN 487.000 ZR 249.400
[1] Direct Intensities
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```
AS 72.4500 BA 560.400 BE 419.600 CE 38.8700 CO 81.0000 CU 414.800 FE 234.200
MG 1984.00 MO 189.800 NI 75.5700 PB 48.9000 RH 36.2300 SB 20.0000 SR 1765.00
TE 28.3900 TI 97.3300 V  391.400 ZN 485.400 ZR 248.600

NAME       MV INT       RSD      BCOR

AS          71.83      0.76  0.00000
BA         561.27      0.14  0.00000
BE         419.80      0.22  0.00000
CE          38.87      0.22  0.00000
CO          80.99      0.17  0.00000
CU         415.60      0.19  0.00000
FE         234.33      0.18  0.00000
MG        1984.67      0.15  0.00000
MO         189.83      0.08  0.00000
NI          75.61      0.18  0.00000
PB          48.94      0.14  0.00000
RH          36.26      0.15  0.00000
SB          20.04      0.30  0.00000
SR        1768.67      0.20  0.00000
TE          28.45      0.30  0.00000
TI          97.44      0.14  0.00000
V          391.77      0.16  0.00000
ZN         485.90      0.20  0.00000
ZR         248.87      0.19  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal Drift
AS       72.1833 71.8333 92.7400   *
BA02     554.267 561.267 695.800   *
BE       414.433 419.800 527.033   *
CE18     38.6333 38.8733 46.3933   *
CO       81.2467 80.9867 98.5933   *
CU       410.633 415.600 464.933   *
FE05     233.800 234.333 313.067   *
MG6      1982.00 1984.67 2638.67   *
MO23     206.467 189.833 313.267   *
NI19     75.8100 75.6100 102.367   *
PB       49.1100 48.9400 63.7433   *
RH12     35.8767 36.2567 43.8900   *
SB       20.2800 20.0400 26.5967   *
SR17     1743.33 1768.67 2138.67   *
TE01     28.5867 28.4533 37.1200   *
TI11     96.7000 97.4367 133.867   *
V        389.933 391.767 519.000   *
ZN9      484.600 485.900 631.933   *
ZR24     245.667 248.867 320.100   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y?
>NORM ALLELE
Result file (<CR> for no storage) = SIMN1
Do you wish to normalise all standards [Y/N] ? N

The following standards are used in this programme(s) :
 CL1    CH4     CH3     CH2

Do you want to run CL1     [Y/N] ? N
```

```
Do you want to run CH4    [Y/N] ? N


Do you want to run CH3    [Y/N] ?

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Programme       : ALLELE          13-Sep-90  20:30:30
[******] +5 volt power supply out.
[1] Direct Intensities
AL 45.7000 B0 126.600 CA 2772.00 CD 366.800 CR 140.700 DY 222.600 K1 108.600
LA 171.200 LI 293.000 MN 1015.80 NA 175.900 ND 25.9900 P4 20.0000 RE 110.100
RU 94.1300 SE 31.0000 SI 35.0600 TH 25.9200 TL 7.39000
[1] Direct Intensities
AL 45.7700 B0 127.200 CA 2772.00 CD 366.200 CR 140.600 DY 222.700 K1 109.000
LA 171.400 LI 293.500 MN 1014.80 NA 176.300 ND 25.9800 P4 19.7800 RE 110.100
RU 94.0200 SE 30.8000 SI 35.0500 TH 25.9200 TL 7.38000
[1] Direct Intensities
AL 45.7100 B0 127.700 CA 2771.00 CD 367.600 CR 140.300 DY 222.300 K1 108.800
LA 171.400 LI 292.200 MN 1016.20 NA 175.500 ND 25.9900 P4 19.8500 RE 110.100
RU 94.1500 SE 31.1500 SI 35.0400 TH 25.8900 TL 7.40000

NAME      MV INT      RSD     RCOR

AL         45.73      0.08  0.00000
B0        127.17      0.43  0.00000
CA       2771.67      0.02  0.00000
CD        366.87      0.19  0.00000
CR        140.70      0.07  0.00000
DY        222.53      0.09  0.00000
K1        108.30      0.18  0.00000
LA        171.33      0.07  0.00000
LI        292.90      0.22  0.00000
MN       1015.60      0.07  0.00000
NA        175.90      0.23  0.00000
ND         25.99      0.02  0.00000
P4         19.88      0.57  0.00000
RE        110.10      0.00  0.00000
RU         94.10      0.07  0.00000
SE         30.98      0.57  0.00000
SI         35.05      0.03  0.00000
TH         25.91      0.07  0.00000
TL          7.39      0.14  0.00000


Store [N/Y] ? Y

Channel  Old      New      Nominal Drift
AL8     45.7200 45.7267 55.7033   *
B04     127.333 127.167 158.733   *
CA15    2746.00 2771.67 3297.33   *
CD      373.200 366.867 513.200   *
CR21    142.200 140.700 186.267   *
DY26    222.267 222.533 267.533   *
K14     108.400 108.800 117.300   *
LA13    171.333 171.333 207.067   *
LI10    287.400 292.900 321.267   *
MN20    1023.90 1015.60 1385.33   *
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NA22     173.700 175.900 199.067   *
ND16     25.8500 25.9867 29.0733   *
P4       19.7200 19.8767 19.2233   *
RE25     110.400 110.100 136.567   *
RU03     95.1033 94.1000 124.300   *
SE       31.1700 30.9833 37.8333   *
SI7      35.2433 35.0500 42.9700   *
TH       25.8667 25.9100 30.7667   *
TL       7.68000 7.39000 7.73667   *
[******] Excessive drift - check correct standard used
Update standard file [Y/N] ? Y


Do you want to run CH2    [Y/N] ? N
More standards [Y/N] ? N
>
```

```
 SAMP ALLELE
Result file (<CR> for no storage) = SST1
Sample name     = CH3
Sample number   = 1648
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight         =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Sample number   : 1648
Programme       : ALLELE          13-Sep-90  20:35:04
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.99000 Al 45.7000 As 26.9100 B  127.400 Ba 7.28000 Be 8.23000 Ca 2773.00
Cd 366.700 Ce 15.3900 Co 42.5700 Cr 140.500 Cu 15.3700 Dy 222.500 Fe 7.65000
K  108.600 La 171.300 Li 292.600 Mg 5.10000 Mn 1014.70 Mo 6.34000 Na 175.400
Nd 26.0300 Ni 6.60000 P  19.7800 Pb 10.5300 Re 110.000 Rh 11.3100 Ru 94.1000
Sb 5.08000 Se 30.7500 Si 35.0000 Sr 18.1600 Te 6.57000 Th 25.8800 Ti 5.25000
Tl 7.39000 U  38.8100 V  13.0500 Zn 6.01000 Zr 29.9700
[1] Direct Intensities
Ag 7.07000 Al 45.7800 As 26.3700 B  128.400 Ba 7.32000 Be 8.30000 Ca 2775.00
Cd 366.100 Ce 15.4300 Co 42.4200 Cr 140.600 Cu 15.2500 Dy 222.800 Fe 7.63000
K  109.200 La 171.400 Li 294.500 Mg 5.09000 Mn 1014.40 Mo 6.39000 Na 176.600
Nd 26.0000 Ni 6.60000 P  19.9400 Pb 10.5400 Re 110.200 Rh 11.2700 Ru 94.2400
Sb 4.98000 Se 30.8100 Si 35.0600 Sr 18.1700 Te 6.59000 Th 25.9600 Ti 5.24000
Tl 7.41000 U  38.7000 V  12.8900 Zn 5.96000 Zr 30.0000
[1] Direct Intensities
Ag 7.01000 Al 45.7400 As 27.0600 B  128.300 Ba 7.30000 Be 8.32000 Ca 2768.00
Cd 365.800 Ce 15.4000 Co 42.4900 Cr 140.300 Cu 15.2900 Dy 222.500 Fe 7.65000
K  108.900 La 171.100 Li 293.600 Mg 5.06000 Mn 1012.50 Mo 6.38000 Na 176.100
Nd 26.0000 Ni 6.62000 P  19.9100 Pb 10.6500 Re 109.800 Rh 11.2800 Ru 94.0300
Sb 4.99000 Se 30.6200 Si 35.0000 Sr 18.1900 Te 6.59000 Th 25.8900 Ti 5.25000
Tl 7.36000 U  38.7900 V  12.8700 Zn 5.96000 Zr 29.9700
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.27	0.0493	7.14	0.00000	0.00000
Al	55.72	10.004	0.12	0.00000	0.00000
As	32.35	2.1098	3.02	0.00000	0.00000
B	159.82	10.071	0.45	0.00000	0.00000
Ba	7.54	0.0043	8.45	0.00000	0.00000
Be	8.89	0.0014	3.10	0.00000	0.00000
Ca	3297.73	10.001	0.13	0.00000	0.00000
Cd	512.26	9.9813	0.13	0.00000	0.00000
Ce	16.71	0.3996	2.13	0.00000	0.00000
Co	46.39	0.4182	4.47	0.00000	0.00000
Cr	185.95	9.9826	0.11	0.00000	0.00000
Cu	16.83	0.0621	2.44	0.00000	0.00000
Dy	267.61	10.003	0.08	0.00000	0.00000
Fe	7.92	0.0173	2.94	0.00000	0.00000
K	117.41	50.062	0.37	0.00000	0.00000
La	206.99	9.9959	0.09	0.00000	0.00000
Li	322.00	20.047	0.33	0.00000	0.00000
Mg	5.32	0.0051	2.05	0.00000	0.00000
Mn	1382.97	9.9828	0.12	0.00000	0.00000
Mo	7.81	0.0414	3.47	0.00000	0.00000
Na	199.22	100.08	0.36	0.00000	0.00000

Nd	29.10	10.012	3.09	0.00000	0.00000
Ni	7.07	0.0990	1.67	0.00000	0.00000
P	19.22	10.000	0.68	0.00000	0.00000
Pb	11.85	0.3730	4.48	0.00000	0.00000
Re	136.44	9.9904	0.19	0.00000	0.00000
Rh	12.62	0.5213	1.52	0.00000	0.00000
Ru	124.33	10.003	0.13	0.00000	0.00000
Sb	5.14	0.2202	33.05	0.00000	0.00000
Se	37.50	9.8809	0.46	0.00000	0.00000
Si	42.93	9.9894	0.12	0.00000	0.00000
Sr	20.65	0.0630	0.14	0.00000	0.00000
Te	7.21	0.4581	1.10	0.00000	0.00000
Th	30.77	10.000	0.25	0.00000	0.00000
Ti	5.49	0.0461	1.35	0.00000	0.00000
Tl	7.73	10.578	1.56	0.00000	0.00000
U	41.80	2.0392	2.67	0.00000	0.00000
V	14.60	0.0495	5.24	0.00000	0.00000
Zn	6.28	0.0119	5.04	0.00000	0.00000
Zr	37.02	0.9033	0.05	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1649
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Sample number   : 1649
Programme       : ALLELE          13-Sep-90  20:41:17
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.51000 Al 11.6400 As 15.0800 B  7.41000 Ba 7.13000 Be 7.77000 Ca 5.16000
Cd 9.45000 Ce 14.6500 Co 41.4800 Cr 6.80000 Cu 12.9200 Dy 8.57000 Fe 7.33000
K  28.2400 La 9.38000 Li 6.32000 Mg 4.12000 Mn 6.82000 Mo 5.69000 Na 7.08000
Nd 6.40000 Ni 5.99000 P  7.49000 Pb 9.24000 Re 6.14000 Rh 10.0300 Ru 10.7200
Sb 4.94000 Se 9.43000 Si 6.90000 Sr 7.15000 Te 5.61000 Th 8.89000 Ti 4.88000
Tl 5.90000 U  37.1500 V  11.2200 Zn 5.48000 Zr 8.36000
[1] Direct Intensities
Ag 6.54000 Al 11.6200 As 15.0000 B  7.21000 Ba 7.14000 Be 7.79000 Ca 5.17000
Cd 9.50000 Ce 14.6600 Co 41.5800 Cr 6.82000 Cu 12.9900 Dy 8.51000 Fe 7.33000
K  28.1400 La 9.40000 Li 6.30000 Mg 4.10000 Mn 6.81000 Mo 5.69000 Na 7.06000
Nd 6.41000 Ni 5.99000 P  7.29000 Pb 9.22000 Re 6.14000 Rh 10.0800 Ru 10.8000
Sb 4.90000 Se 9.54000 Si 6.90000 Sr 7.19000 Te 5.64000 Th 8.88000 Ti 4.86000
Tl 5.81000 U  37.2500 V  11.2800 Zn 5.52000 Zr 8.37000
[1] Direct Intensities
Ag 6.54000 Al 11.5900 As 15.2700 B  7.13000 Ba 7.14000 Be 7.80000 Ca 5.18000
Cd 9.45000 Ce 14.7200 Co 41.5200 Cr 6.81000 Cu 12.9500 Dy 8.58000 Fe 7.31000
K  28.1500 La 9.38000 Li 6.30000 Mg 4.14000 Mn 6.81000 Mo 5.78000 Na 7.08000
Nd 6.41000 Ni 5.99000 P  7.28000 Pb 9.28000 Re 6.11000 Rh 10.0000 Ru 10.7600
Sb 4.90000 Se 9.60000 Si 6.88000 Sr 7.18000 Te 5.68000 Th 8.89000 Ti 4.83000
Tl 5.90000 U  37.2400 V  11.2700 Zn 5.46000 Zr 8.35000

NAME      MV INT   CONCEN      RSD     BCOR     SCOR
```

Ag	6.71	0.0076	19.24	0.00000	0.00000
Al	12.91	0.0273	26.96	0.00000	0.00000
As	16.71	0.0620	39.25	0.00000	0.00000
B	7.76	0.1127	10.55	0.00000	0.00000
Ba	7.34	0.0013	7.87	0.00000	0.00000
Be	8.27	0.0002	17.63	0.00000	0.00000
Ca	4.55	0.0003	12.00	0.00000	0.00000
Cd	10.26	0.0016	50.94	0.00000	0.00000
Ce	15.79	0.1009	15.35	0.00000	0.00000
Co	45.08	0.1776	7.06	0.00000	0.00000
Cr	7.04	0.0047	15.79	0.00000	0.00000
Cu	14.19	0.0038	22.90	0.00000	0.00000
Dy	8.83	0.0056	31.55	0.00000	0.00000
Fe	7.49	0.0032	15.75	0.00000	0.00000
K	28.53	0.2161	15.74	0.00000	0.00000
La	9.87	0.0078	9.12	0.00000	0.00000
Li	6.26	0.0033	24.74	0.00000	0.00000
Mg	4.03	0.0003	37.50	0.00000	0.00000
Mn	7.29	0.0008	7.53	0.00000	0.00000
Mo	6.73	0.0062	45.85	0.00000	0.00000
Na	7.15	0.0474	14.43	0.00000	0.00000
Nd	6.53	0.0306	9.62	0.00000	0.00000
Ni	6.22	0.0105	0.00	0.00000	0.00000
P	8.36	0.0398	236.92	0.00000	0.00000
Pb	10.06	0.0401	19.09	0.00000	0.00000
Re	6.37	0.0086	19.24	0.00000	0.00000
Rh	11.05	0.0468	32.77	0.00000	0.00000
Ru	11.42	-0.004	-109.09	0.00000	0.00000
Sb	4.99	0.0037	36.46	0.00000	0.00000
Se	10.11	0.0464	60.00	0.00000	0.00000
Si	7.22	0.0354	11.55	0.00000	0.00000
Sr	7.35	0.0006	20.14	0.00000	0.00000
Te	5.92	0.0480	31.93	0.00000	0.00000
Th	9.70	0.0642	5.25	0.00000	0.00000
Ti	4.95	0.0040	68.63	0.00000	0.00000
Tl	5.94	0.6338	53.76	0.00000	0.00000
U	39.95	0.5950	8.61	0.00000	0.00000
V	12.36	0.0053	15.81	0.00000	0.00000
Zn	5.65	0.0017	36.66	0.00000	0.00000
Zr	9.06	0.0048	8.57	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 90-304
Sample number   = 1650
Sample code 1   = A3
Sample code 2   = KOH-NI
Sample code 3   = BLK
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-304
Sample number   : 1650
Sample code 1   : A3
Sample code 2   : KOH-NI
Sample code 3   : BLK
Programme       : ALLELE            13-Sep-90  20:46:25
[******] +5 volt power supply out.
[******] -100 volt power supply out.
```

[1] Direct Intensities
Ag 6.47000 Al 11.5700 As 14.5600 B 6.72000 Ba 7.15000 Be 7.74000 Ca 10.8600
Cd 9.49000 Ce 14.5200 Co 40.9500 Cr 6.76000 Cu 13.0800 Dy 8.48000 Fe 7.38000
K 856.300 La 9.32000 Li 6.27000 Mg 4.39000 Mn 6.83000 Mo 5.80000 Na 7.27000
Nd 6.36000 Ni 6.37000 P 7.14000 Pb 9.26000 Re 6.08000 Rh 9.94000 Ru 10.6200
Sb 4.87000 Se 9.51000 Si 6.93000 Sr 7.16000 Te 5.59000 Th 8.81000 Ti 4.81000
Tl 5.80000 U 36.7000 V 11.1400 Zn 5.59000 Zr 8.30000
[1] Direct Intensities
Ag 6.45000 Al 11.5400 As 14.9800 B 6.71000 Ba 7.18000 Be 7.71000 Ca 10.8100
Cd 9.43000 Ce 14.5100 Co 41.0800 Cr 6.78000 Cu 13.0600 Dy 8.46000 Fe 7.33000
K 848.400 La 9.34000 Li 6.30000 Mg 4.37000 Mn 6.86000 Mo 5.94000 Na 7.24000
Nd 6.36000 Ni 6.33000 P 7.17000 Pb 9.18000 Re 6.06000 Rh 9.93000 Ru 10.6400
Sb 4.84000 Se 9.58000 Si 6.91000 Sr 7.18000 Te 5.62000 Th 8.80000 Ti 4.80000
Tl 5.81000 U 36.7700 V 11.1500 Zn 5.51000 Zr 8.29000
[1] Direct Intensities
Ag 6.49000 Al 11.5400 As 14.4500 B 6.66000 Ba 7.19000 Be 7.72000 Ca 10.7100
Cd 9.34000 Ce 14.5700 Co 41.1700 Cr 6.79000 Cu 13.1100 Dy 8.45000 Fe 7.37000
K 837.500 La 9.35000 Li 6.32000 Mg 4.37000 Mn 6.86000 Mo 5.72000 Na 7.27000
Nd 6.36000 Ni 6.40000 P 7.19000 Pb 9.05000 Re 6.09000 Rh 9.96000 Ru 10.5800
Sb 4.82000 Se 9.47000 Si 6.90000 Sr 7.19000 Te 5.63000 Th 8.80000 Ti 4.81000
Tl 5.79000 U 36.8000 V 11.1600 Zn 5.52000 Zr 8.30000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.64	0.0025	66.67	0.00000	0.00000
Al	12.83	0.0078	64.95	0.00000	0.00000
As	16.11	-0.018	-279.70	0.00000	0.00000
B	7.06	0.0671	3.75	0.00000	0.00000
Ba	7.38	0.0020	18.92	0.00000	0.00000
Be	8.19	0.0001	65.46	0.00000	0.00000
Ca	11.25	0.0206	1.34	0.00000	0.00000
Cd	10.19	0.0003	755.07	0.00000	0.00000
Ce	15.61	0.0423	31.11	0.00000	0.00000
Co	44.46	0.0631	43.66	0.00000	0.00000
Cr	7.00	0.0022	50.92	0.00000	0.00000
Cu	14.34	0.0070	8.88	0.00000	0.00000
Dy	8.72	0.0014	50.92	0.00000	0.00000
Fe	7.54	0.0048	24.05	0.00000	0.00000
K	930.51	)506.08	1.15	0.00000	0.00000
La	9.81	0.0047	19.92	0.00000	0.00000
Li	6.25	0.0026	68.63	0.00000	0.00000
Mg	4.38	0.0016	3.72	0.00000	0.00000
Mn	7.34	0.0011	15.28	0.00000	0.00000
Mo	6.90	0.0116	52.20	0.00000	0.00000
Na	7.36	0.1579	6.50	0.00000	0.00000
Nd	6.48	0.0068	0.00	0.00000	0.00000
Ni	6.74	0.0646	7.80	0.00000	0.00000
P	8.20	-0.109	-18.41	0.00000	0.00000
Pb	9.94	0.0192	138.25	0.00000	0.00000
Re	6.30	0.0035	41.66	0.00000	0.00000
Rh	10.93	0.0114	50.92	0.00000	0.00000
Ru	11.22	-0.022	-16.66	0.00000	0.00000
Sb	4.89	-0.009	-377.52	0.00000	0.00000
Se	10.08	0.0371	69.60	0.00000	0.00000
Si	7.25	0.0425	12.73	0.00000	0.00000
Sr	7.35	0.0006	14.32	0.00000	0.00000
Te	5.88	0.0349	26.02	0.00000	0.00000
Th	9.60	0.0156	21.65	0.00000	0.00000
Ti	4.88	-0.001	-43.30	0.00000	0.00000
Tl	5.86	0.1748	37.51	0.00000	0.00000

U	39.44	0.1952	43.21	0.00000	0.00000
V	12.22	0.0025	10.34	0.00000	0.00000
Zn	5.71	0.0028	31.89	0.00000	0.00000
Zr	8.98	0.0022	10.83	0.00000	0.00000

More samples [Y/N] ?
Sample name = 90-304
Sample number = 1651
Sample code 1 = A2
Sample code 2 = P5571G
Sample code 3 = KOH-NI
Weight =

Press <CR> when ready to start measurement
24;132H6n
Sample name : 90-304
Sample number : 1651
Sample code 1 : A2
Sample code 2 : P5571G
Sample code 3 : KOH-NI
Programme : ALLELE 13-Sep-90 20:50:43
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.50000 Al 11.7000 As 15.0800 B 6.59000 Ba 7.35000 Be 7.76000 Ca 29.9800
Cd 9.56000 Ce 14.6600 Co 41.3500 Cr 8.74000 Cu 13.3400 Dy 8.50000 Fe 78.6000
K 825.400 La 9.40000 Li 6.29000 Mg 8.36000 Mn 8.06000 Mo 5.89000 Na 40.2900
Nd 6.40000 Ni 7.78000 P 11.4100 Pb 9.41000 Re 6.15000 Rh 9.99000 Ru 10.9800
Sb 4.84000 Se 9.61000 Si 11.4500 Sr 14.7600 Te 5.59000 Th 8.90000 Ti 4.88000
Tl 5.81000 U 37.2500 V 11.2900 Zn 6.58000 Zr 8.33000
[1] Direct Intensities
Ag 6.50000 Al 11.6500 As 15.0900 B 6.57000 Ba 7.36000 Be 7.75000 Ca 30.0000
Cd 9.53000 Ce 14.6400 Co 41.4200 Cr 8.74000 Cu 13.3200 Dy 8.50000 Fe 78.9800
K 826.000 La 9.39000 Li 6.32000 Mg 8.36000 Mn 8.10000 Mo 5.73000 Na 40.3500
Nd 6.41000 Ni 7.79000 P 11.5200 Pb 9.33000 Re 6.14000 Rh 10.0000 Ru 10.8800
Sb 4.88000 Se 9.67000 Si 11.4800 Sr 14.8100 Te 5.58000 Th 8.91000 Ti 4.84000
Tl 5.80000 U 37.2100 V 11.2800 Zn 6.48000 Zr 8.34000
[1] Direct Intensities
Ag 6.51000 Al 11.6600 As 14.7800 B 6.54000 Ba 7.34000 Be 7.78000 Ca 29.9300
Cd 9.53000 Ce 14.6600 Co 41.5000 Cr 8.74000 Cu 13.3600 Dy 8.54000 Fe 78.7700
K 823.500 La 9.38000 Li 6.31000 Mg 8.38000 Mn 8.09000 Mo 5.73000 Na 40.2200
Nd 6.40000 Ni 7.78000 P 11.3100 Pb 9.49000 Re 6.08000 Rh 10.0000 Ru 10.9600
Sb 4.90000 Se 9.45000 Si 11.4800 Sr 14.7900 Te 5.65000 Th 8.90000 Ti 4.85000
Tl 5.80000 U 37.3300 V 11.2400 Zn 6.54000 Zr 8.35000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.68	0.0054	9.12	0.00000	0.00000
Al	12.98	0.0429	18.04	0.00000	0.00000
As	16.53	0.0386	80.08	0.00000	0.00000
B	6.90	0.0563	3.68	0.00000	0.00000
Ba	7.60	0.0052	3.49	0.00000	0.00000
Be	8.24	0.0002	24.12	0.00000	0.00000
Ca	34.07	0.0899	0.14	0.00000	0.00000
Cd	10.36	0.0036	13.32	0.00000	0.00000
Ce	15.76	0.0914	5.17	0.00000	0.00000
Co	44.94	0.1518	12.30	0.00000	0.00000
Cr	9.63	0.1488	0.00	0.00000	0.00000
Cu	14.63	0.0134	3.70	0.00000	0.00000

Dy	8.78	0.0037	28.87	0.00000	0.00000
Fe	103.68	3.1501	0.27	0.00000	0.00000
K	905.81	)492.22	0.16	0.00000	0.00000
La	9.87	0.0080	7.69	0.00000	0.00000
Li	6.26	0.0033	32.73	0.00000	0.00000
Mg	9.68	0.0217	0.27	0.00000	0.00000
Mn	9.02	0.0133	1.55	0.00000	0.00000
Mo	6.83	0.0096	52.29	0.00000	0.00000
Na	44.91	19.711	0.20	0.00000	0.00000
Nd	6.53	0.0289	10.19	0.00000	0.00000
Ni	8.70	0.2678	0.31	0.00000	0.00000
P	11.88	3.2688	2.56	0.00000	0.00000
Pb	10.28	0.0811	24.74	0.00000	0.00000
Re	6.36	0.0080	45.43	0.00000	0.00000
Rh	11.00	0.0316	6.93	0.00000	0.00000
Ru	11.66	0.0172	36.92	0.00000	0.00000
Sb	4.93	0.0308	130.93	0.00000	0.00000
Se	10.15	0.0634	83.21	0.00000	0.00000
Si	13.03	1.6551	0.37	0.00000	0.00000
Sr	16.56	0.0438	0.33	0.00000	0.00000
Te	5.87	0.0320	51.63	0.00000	0.00000
Th	9.72	0.0739	4.56	0.00000	0.00000
Ti	4.95	0.0040	56.77	0.00000	0.00000
Tl	5.86	0.1967	19.25	0.00000	0.00000
U	40.01	0.6415	8.86	0.00000	0.00000
V	12.38	0.0057	12.21	0.00000	0.00000
Zn	7.01	0.0235	4.45	0.00000	0.00000
Zr	9.03	0.0040	10.34	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 90-304
Sample number   = 1652
Sample code 1   = A1
Sample code 2   = P5564G
Sample code 3   = KOH-NI
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-304
Sample number   : 1652
Sample code 1   : A1
Sample code 2   : P5564G
Sample code 3   : KOH-NI
Programme       : ALLELE          13-Sep-90  20:55:19
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.53000 Al 11.6300 As 15.5900 B  6.44000 Ba 7.30000 Be 7.76000 Ca 32.9200
Cd 9.52000 Ce 14.6600 Co 41.5600 Cr 8.69000 Cu 13.3300 Dy 8.53000 Fe 77.3800
K  850.800 La 9.39000 Li 6.31000 Mg 8.35000 Mn 8.06000 Mo 5.76000 Na 39.6500
Nd 6.43000 Ni 11.2000 P  11.1000 Pb 9.46000 Re 6.15000 Rh 10.0500 Ru 10.9700
Sb 4.87000 Se 9.71000 Si 11.4000 Sr 14.6200 Te 5.68000 Th 8.88000 Ti 4.88000
Tl 5.80000 U  37.3800 V  11.2500 Zn 6.59000 Zr 8.36000
[1] Direct Intensities
Ag 6.54000 Al 11.6600 As 15.2700 B  6.40000 Ba 7.38000 Be 7.74000 Ca 32.9600
Cd 9.51000 Ce 14.6800 Co 41.6400 Cr 8.70000 Cu 13.3900 Dy 8.53000 Fe 77.7300
K  852.700 La 9.38000 Li 6.34000 Mg 8.36000 Mn 8.12000 Mo 5.80000 Na 39.7400
Nd 6.44000 Ni 11.1800 P  11.2300 Pb 9.43000 Re 6.17000 Rh 10.0200 Ru 10.9500
```

Sb 4.88000 Se 9.68000 Si 11.4600 Sr 14.6800 Te 5.66000 Th 8.89000 Ti 4.86000
Tl 5.89000 U 37.4200 V 11.3200 Zn 6.63000 Zr 8.37000
[1] Direct Intensities
Ag 6.51000 Al 11.6600 As 15.2500 B 6.45000 Ba 7.34000 Be 7.74000 Ca 33.0000
Cd 9.54000 Ce 14.6600 Co 41.5500 Cr 8.70000 Cu 13.3600 Dy 8.48000 Fe 77.6400
K 854.000 La 9.39000 Li 6.29000 Mg 8.34000 Mn 8.10000 Mo 5.71000 Na 39.8000
Nd 6.42000 Ni 11.2000 P 11.4000 Pb 9.53000 Re 6.15000 Rh 10.0100 Ru 10.9400
Sb 4.88000 Se 9.64000 Si 11.4000 Sr 14.6900 Te 5.63000 Th 8.89000 Ti 4.86000
Tl 5.83000 U 37.3500 V 11.3000 Zn 6.60000 Zr 8.36000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.70	0.0073	17.63	0.00000	0.00000
Al	12.96	0.0370	13.67	0.00000	0.00000
As	17.05	0.1065	31.45	0.00000	0.00000
B	6.72	0.0451	4.84	0.00000	0.00000
Ba	7.59	0.0050	14.46	0.00000	0.00000
Be	8.22	0.0001	24.75	0.00000	0.00000
Ca	37.63	0.1008	0.14	0.00000	0.00000
Cd	10.34	0.0032	13.48	0.00000	0.00000
Ce	15.78	0.0968	4.88	0.00000	0.00000
Co	45.16	0.1917	6.41	0.00000	0.00000
Cr	9.57	0.1456	0.30	0.00000	0.00000
Cu	14.65	0.0139	5.36	0.00000	0.00000
Dy	8.78	0.0037	36.09	0.00000	0.00000
Fe	102.07	3.0972	0.26	0.00000	0.00000
K	936.13	)589.23	0.20	0.00000	0.00000
La	9.87	0.0078	4.56	0.00000	0.00000
Li	6.27	0.0037	47.19	0.00000	0.00000
Mg	9.66	0.0216	0.23	0.00000	0.00000
Mn	9.04	0.0134	2.25	0.00000	0.00000
Mo	6.79	0.0081	30.06	0.00000	0.00000
Na	44.27	19.382	0.23	0.00000	0.00000
Nd	6.56	0.0424	12.00	0.00000	0.00000
Ni	13.41	0.7571	0.22	0.00000	0.00000
P	11.74	3.1336	3.82	0.00000	0.00000
Pb	10.36	0.0970	13.27	0.00000	0.00000
Re	6.40	0.0112	9.90	0.00000	0.00000
Rh	11.04	0.0430	18.37	0.00000	0.00000
Ru	11.68	0.0188	9.75	0.00000	0.00000
Sb	4.94	0.0352	21.65	0.00000	0.00000
Se	10.28	0.1099	14.84	0.00000	0.00000
Si	12.97	1.6374	0.75	0.00000	0.00000
Sr	16.41	0.0431	0.50	0.00000	0.00000
Te	5.94	0.0538	20.40	0.00000	0.00000
Th	9.70	0.0642	5.25	0.00000	0.00000
Ti	4.96	0.0050	24.74	0.00000	0.00000
Tl	5.91	0.4371	68.74	0.00000	0.00000
U	40.15	0.7531	4.34	0.00000	0.00000
V	12.41	0.0062	15.23	0.00000	0.00000
Zn	7.11	0.0250	1.73	0.00000	0.00000
Zr	9.06	0.0050	4.31	0.00000	0.00000

More samples [Y/N] ?
Sample name = 90-305
Sample number = 1653
Sample code 1 = A1
Sample code 2 = P57780
Sample code 3 = KOH-NI

```
Weight        =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-305
Sample number   : 1653
Sample code 1   : A1
Sample code 2   : F5778G
Sample code 3   : KOH-NI
Programme       : ALLELE          13-Sep-90  20:59:37
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.53000 Al 11.6800 As 15.1200 B  6.34000 Ba 7.33000 Be 7.77000 Ca 32.1800
Cd 9.48000 Ce 14.6900 Co 41.5700 Cr 8.81000 Cu 13.3800 Dy 8.50000 Fe 80.6400
K  852.400 La 9.42000 Li 6.30000 Mg 8.21000 Mn 8.18000 Mo 5.69000 Na 41.3100
Nd 6.41000 Ni 10.3600 P  11.2800 Pb 9.53000 Re 6.15000 Rh 10.0700 Ru 10.9500
Sb 4.88000 Se 9.64000 Si 11.6400 Sr 15.0000 Te 5.68000 Th 8.93000 Ti 4.87000
Tl 5.80000 U  37.4100 V  11.3400 Zn 6.74000 Zr 8.38000
[1] Direct Intensities
Ag 6.52000 Al 11.6600 As 14.6500 B  6.29000 Ba 7.37000 Be 7.80000 Ca 32.1300
Cd 9.47000 Ce 14.7500 Co 41.6300 Cr 8.79000 Cu 13.4100 Dy 8.54000 Fe 80.5900
K  848.700 La 9.46000 Li 6.31000 Mg 8.20000 Mn 8.18000 Mo 5.68000 Na 41.1100
Nd 6.42000 Ni 10.3400 P  11.4800 Pb 9.49000 Re 6.12000 Rh 10.0100 Ru 10.9400
Sb 4.90000 Se 9.68000 Si 11.6300 Sr 14.9700 Te 5.60000 Th 8.93000 Ti 4.84000
Tl 5.77000 U  37.4500 V  11.2800 Zn 6.70000 Zr 8.36000
[1] Direct Intensities
Ag 6.48000 Al 11.6100 As 14.8800 B  6.27000 Ba 7.35000 Be 7.75000 Ca 32.0800
Cd 9.56000 Ce 14.6700 Co 41.5800 Cr 8.78000 Cu 13.3600 Dy 8.48000 Fe 80.2700
K  850.700 La 9.38000 Li 6.31000 Mg 8.17000 Mn 8.15000 Mo 5.68000 Na 41.2400
Nd 6.38000 Ni 10.3200 P  11.4100 Pb 9.43000 Re 6.13000 Rh 10.0100 Ru 10.9400
Sb 4.80000 Se 9.59000 Si 11.6200 Sr 14.9900 Te 5.64000 Th 8.89000 Ti 4.86000
Tl 5.80000 U  37.4000 V  11.2700 Zn 6.70000 Zr 8.35000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.68	0.0059	37.80	0.00000	0.00000
Al	12.96	0.0370	28.46	0.00000	0.00000
As	16.40	0.0211	195.85	0.00000	0.00000
B	6.56	0.0344	8.65	0.00000	0.00000
Ba	7.60	0.0052	6.98	0.00000	0.00000
Be	8.25	0.0002	34.32	0.00000	0.00000
Ca	36.64	0.0978	0.18	0.00000	0.00000
Cd	10.31	0.0026	52.85	0.00000	0.00000
Ce	15.82	0.1118	15.23	0.00000	0.00000
Co	45.17	0.1942	4.12	0.00000	0.00000
Cr	9.70	0.1528	0.75	0.00000	0.00000
Cu	14.68	0.0145	4.31	0.00000	0.00000
Dy	8.77	0.0034	41.66	0.00000	0.00000
Fe	105.99	3.2257	0.27	0.00000	0.00000
K	934.04	)508.05	0.23	0.00000	0.00000
La	9.91	0.0099	25.00	0.00000	0.00000
Li	6.26	0.0033	12.37	0.00000	0.00000
Mg	9.45	0.0208	0.50	0.00000	0.00000
Mn	9.14	0.0142	1.21	0.00000	0.00000
Mo	6.67	0.0042	7.53	0.00000	0.00000
Na	45.97	20.264	0.30	0.00000	0.00000
Nd	6.53	0.0289	36.74	0.00000	0.00000
Ni	12.23	0.6347	0.45	0.00000	0.00000
P	11.86	3.2503	2.48	0.00000	0.00000

Pb	10.38	0.0995	12.69	0.00000	0.00000
Re	6.37	0.0090	16.37	0.00000	0.00000
Rh	11.04	0.0443	29.67	0.00000	0.00000
Ru	11.67	0.8176	3.94	0.00000	0.00000
Sb	4.91	0.0132	529.15	0.00000	0.00000
Se	10.23	0.3913	22.93	0.00000	0.00000
Si	13.24	1.7117	0.21	0.00000	0.00000
Sr	16.80	0.0449	0.19	0.00000	0.00000
Te	5.92	0.0465	37.50	0.00000	0.00000
Th	9.74	0.0817	16.50	0.00000	0.00000
Ti	4.95	0.0040	41.66	0.00000	0.00000
Tl	5.85	0.1093	103.95	0.00000	0.00000
U	40.20	0.7872	3.13	0.00000	0.00000
V	12.42	0.0064	15.56	0.00000	0.00000
Zn	7.24	0.0273	1.76	0.00000	0.00000
Zr	9.36	0.0050	12.73	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 90-305
Sample number   = 1654
Sample code 1   = A2
Sample code 2   = P5668G
Sample code 3   = KOH-NI
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-305
Sample number   : 1654
Sample code 1   : A2
Sample code 2   : P5668G
Sample code 3   : KOH-NI
Programme       : ALLELE            13-Sep-90  21:04:41
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.44000 Al 11.7300 As 15.3000 B  6.26000 Ba 7.39000 Be 7.70000 Ca 32.2300
Cd 9.54000 Ce 14.6800 Co 41.4600 Cr 8.75000 Cu 13.4700 Dy 8.54000 Fe 80.4900
K  889.000 La 9.40000 Li 6.30000 Mg 9.11000 Mn 8.25000 Mo 5.74000 Na 40.9800
Nd 6.41000 Ni 12.4000 P  11.4500 Pb 9.34000 Re 6.17000 Rh 10.0100 Ru 10.9100
Sb 4.86000 Se 9.63000 Si 11.6500 Sr 14.9000 Te 5.63000 Th 8.81000 Ti 4.86000
Tl 5.79000 U  37.2900 V  11.4200 Zn 6.70000 Zr 8.36000
[1] Direct Intensities
Ag 6.51000 Al 11.7100 As 15.2400 B  6.26000 Ba 7.38000 Be 7.78000 Ca 32.1800
Cd 9.54000 Ce 14.6800 Co 41.5600 Cr 8.76000 Cu 13.3800 Dy 8.54000 Fe 80.5400
K  884.600 La 9.40000 Li 6.29000 Mg 9.11000 Mn 8.25000 Mo 5.68000 Na 40.8200
Nd 6.40000 Ni 12.4000 P  11.5900 Pb 9.59000 Re 6.11000 Rh 10.0000 Ru 11.0100
Sb 4.94000 Se 9.64000 Si 11.6400 Sr 14.9000 Te 5.62000 Th 8.88000 Ti 4.87000
Tl 5.78000 U  37.3800 V  11.2600 Zn 6.74000 Zr 8.34000
[1] Direct Intensities
Ag 6.45000 Al 11.7300 As 15.1800 B  6.21000 Ba 7.34000 Be 7.68000 Ca 32.2900
Cd 9.31000 Ce 14.6800 Co 41.4400 Cr 8.74000 Cu 13.5000 Dy 8.57000 Fe 80.7800
K  890.000 La 9.41000 Li 6.28000 Mg 9.12000 Mn 8.25000 Mo 5.74000 Na 41.1300
Nd 6.40000 Ni 12.4500 P  11.2500 Pb 9.46000 Re 6.15000 Rh 10.0200 Ru 10.9900
Sb 4.94000 Se 9.60000 Si 11.6500 Sr 14.9400 Te 5.62000 Th 8.81000 Ti 4.84000
Tl 5.78000 U  37.3700 V  11.3500 Zn 6.78000 Zr 8.36000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.63	0.0023	141.98	0.00000	0.00000

Al	13.85	0.0585	5.77	0.00000	0.00000
As	16.88	0.0837	12.59	0.00000	0.00000
B	6.49	0.0297	3.02	0.00000	0.00000
Ba	7.63	0.0055	8.63	0.00000	0.00000
Be	8.19	0.0000	264.58	0.00000	0.00000
Ca	36.76	0.0981	0.20	0.00000	0.00000
Cd	10.26	0.0015	248.99	0.00000	0.00000
Ce	15.79	0.1023	0.00	0.00000	0.00000
Co	45.03	0.1676	9.55	0.00000	0.00000
Cr	9.64	0.1496	0.56	0.00000	0.00000
Cu	14.75	0.0161	9.61	0.00000	0.00000
Dy	8.82	0.0054	14.85	0.00000	0.00000
Fe	106.13	3.2302	0.21	0.00000	0.00000
K	975.07	)531.06	0.33	0.00000	0.00000
La	9.89	0.0088	4.03	0.00000	0.00000
Li	6.25	0.0021	33.33	0.00000	0.00000
Mg	10.68	0.0255	0.11	0.00000	0.00000
Mn	9.25	0.0150	0.00	0.00000	0.00000
Mo	6.73	0.0062	30.57	0.00000	0.00000
Na	45.69	20.120	0.46	0.00000	0.00000
Nd	6.53	0.0289	10.19	0.00000	0.00000
Ni	15.10	0.9327	0.44	0.00000	0.00000
P	11.90	3.2821	4.14	0.00000	0.00000
Pb	10.35	0.0945	33.19	0.00000	0.00000
Re	6.38	0.0099	29.56	0.00000	0.00000
Rh	11.02	0.0367	10.35	0.00000	0.00000
Ru	11.70	0.0208	30.53	0.00000	0.00000
Sb	4.99	0.0837	72.93	0.00000	0.00000
Se	10.21	0.0851	11.35	0.00000	0.00000
Si	13.26	1.7176	0.12	0.00000	0.00000
Sr	16.71	0.0445	0.29	0.00000	0.00000
Te	5.90	0.0393	6.42	0.00000	0.00000
Th	9.64	0.0331	71.32	0.00000	0.00000
Ti	4.95	0.0040	41.66	0.00000	0.00000
Tl	5.84	0.0655	57.75	0.00000	0.00000
U	40.11	0.7190	6.38	0.00000	0.00000
V	12.48	0.0076	27.66	0.00000	0.00000
Zn	7.28	0.0278	2.99	0.00000	0.00000
Zr	9.05	0.0046	10.50	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 90-305
Sample number   = 1655
Sample code 1   = A3
Sample code 2   = KOH-NI
Sample code 3   = BLK
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 90-305
Sample number   : 1655
Sample code 1   : A3
Sample code 2   : KOH-NI
Sample code 3   : BLK
Programme       : ALLELE          13-Sep-90  21:10:16
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.50000 Al 11.5600 As 14.8100 B  6.16000 Ba 7.23000 Be 7.76000 Ca 32.4100
```

Cd 9.58000 Ce 14.7200 Co 41.6700 Cr 6.79000 Cu 13.2000 Dy 8.54000 Fe 7.28000
K 864.800 La 9.42000 Li 6.32000 Mg 4.38000 Mn 6.90000 Mo 5.61000 Na 7.34000
Nd 6.44000 Ni 6.33000 P 7.27000 Pb 9.35000 Re 6.14000 Rh 10.0300 Ru 10.7300
Sb 4.86000 Se 9.48000 Si 6.98000 Sr 7.19000 Te 5.59000 Th 8.92000 Ti 4.81000
Tl 5.78000 U 37.2900 V 11.2900 Zn 5.56000 Zr 8.35000
[1] Direct Intensities
Ag 6.49000 Al 11.5500 As 15.0300 B 6.11000 Ba 7.20000 Be 7.74000 Ca 32.3900
Cd 9.48000 Ce 14.6900 Co 41.5500 Cr 6.79000 Cu 13.2000 Dy 8.52000 Fe 7.24000
K 866.900 La 9.38000 Li 6.30000 Mg 4.35000 Mn 6.88000 Mo 5.78000 Na 7.32000
Nd 6.42000 Ni 6.29000 P 7.24000 Pb 9.19000 Re 6.08000 Rh 10.0100 Ru 10.7500
Sb 4.88000 Se 9.64000 Si 6.94000 Sr 7.18000 Te 5.59000 Th 8.89000 Ti 4.81000
Tl 5.77000 U 37.2400 V 11.2500 Zn 5.57000 Zr 8.32000
[1] Direct Intensities
Ag 6.50000 Al 11.5500 As 15.1500 B 6.08000 Ba 7.21000 Be 7.77000 Ca 32.2900
Cd 9.48000 Ce 14.7000 Co 41.6000 Cr 6.80000 Cu 13.2300 Dy 8.56000 Fe 7.26000
K 864.200 La 9.41000 Li 6.29000 Mg 4.38000 Mn 6.89000 Mo 5.72000 Na 7.34000
Nd 6.43000 Ni 6.28000 P 7.20000 Pb 9.18000 Re 6.13000 Rh 10.0100 Ru 10.6400
Sb 4.92000 Se 9.65000 Si 6.93000 Sr 7.19000 Te 5.65000 Th 8.92000 Ti 4.81000
Tl 5.80000 U 37.3400 V 11.3100 Zn 5.56000 Zr 8.33000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.67	0.0048	10.19	0.00000	0.00000
Al	12.83	0.0088	19.25	0.00000	0.00000
As	16.55	0.0410	73.90	0.00000	0.00000
B	6.33	0.0192	17.32	0.00000	0.00000
Ba	7.43	0.0027	10.18	0.00000	0.00000
Be	8.23	0.0001	26.95	0.00000	0.00000
Ca	36.92	0.0986	0.24	0.00000	0.00000
Cd	10.33	0.0029	55.87	0.00000	0.00000
Ce	15.82	0.1118	5.59	0.00000	0.00000
Co	45.23	0.2041	8.82	0.00000	0.00000
Cr	7.02	0.0035	12.37	0.00000	0.00000
Cu	14.48	0.0102	4.22	0.00000	0.00000
Dy	8.81	0.0050	18.75	0.00000	0.00000
Fe	7.40	0.0004	200.02	0.00000	0.00000
K	950.22	)517.13	0.17	0.00000	0.00000
La	9.89	0.0088	14.52	0.00000	0.00000
Li	6.26	0.0030	35.25	0.00000	0.00000
Mg	4.37	0.0015	5.71	0.00000	0.00000
Mn	7.39	0.0015	6.52	0.00000	0.00000
Mo	6.70	0.0052	89.19	0.00000	0.00000
Na	7.45	0.2013	3.40	0.00000	0.00000
Nd	6.56	0.0424	12.00	0.00000	0.00000
Ni	6.65	0.0550	6.90	0.00000	0.00000
P	8.26	-0.053	-52.68	0.00000	0.00000
Pb	10.05	0.0385	62.21	0.00000	0.00000
Re	6.35	0.0074	41.93	0.00000	0.00000
Rh	11.03	0.0392	11.18	0.00000	0.00000
Ru	11.34	-0.011	-65.10	0.00000	0.00000
Sb	4.95	0.0485	83.32	0.00000	0.00000
Se	10.17	0.0696	63.60	0.00000	0.00000
Si	7.30	0.0554	16.89	0.00000	0.00000
Sr	7.36	0.0007	4.95	0.00000	0.00000
Te	5.88	0.0334	45.18	0.00000	0.00000
Th	9.73	0.0778	12.99	0.00000	0.00000
Ti	4.88	-0.001	0.00	0.00000	0.00000
Tl	5.84	0.0655	152.81	0.00000	0.00000
U	40.04	0.6663	6.98	0.00000	0.00000
V	12.40	0.0060	13.28	0.00000	0.00000

Zn	5.75	0.0033	3.61	0.00000	0.00000
Zr	9.02	0.0037	16.97	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1656
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CL1
Sample number   : 1656
Programme       : ALLELE          13-Sep-90  21:14:49
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.53000 Al 11.6200 As 14.9500 B  6.11000 Ba 7.15000 Be 7.80000 Ca 5.10000
Cd 9.46000 Ce 14.7400 Co 41.8000 Cr 6.85000 Cu 13.0700 Dy 8.58000 Fe 7.32000
K  28.4200 La 9.43000 Li 6.33000 Mg 4.13000 Mn 6.82000 Mo 5.70000 Na 7.06000
Nd 6.44000 Ni 5.98000 P  7.37000 Pb 9.17000 Re 6.10000 Rh 10.1100 Ru 10.7300
Sb 4.94000 Se 9.69000 Si 6.90000 Sr 7.18000 Te 5.68000 Th 8.92000 Ti 4.88000
Tl 5.80000 U  37.4500 V  11.3000 Zn 5.48000 Zr 8.40000
[1] Direct Intensities
Ag 6.49000 Al 11.6100 As 15.0600 B  6.12000 Ba 7.22000 Be 7.71000 Ca 5.12000
Cd 9.42000 Ce 14.8000 Co 41.8100 Cr 6.86000 Cu 13.1800 Dy 8.60000 Fe 7.37000
K  28.4900 La 9.46000 Li 6.35000 Mg 4.11000 Mn 6.80000 Mo 5.78000 Na 7.08000
Nd 6.43000 Ni 6.00000 P  7.48000 Pb 9.27000 Re 6.18000 Rh 10.1200 Ru 10.7100
Sb 4.94000 Se 9.64000 Si 6.92000 Sr 7.19000 Te 5.63000 Th 8.89000 Ti 4.86000
Tl 5.81000 U  37.5400 V  11.4600 Zn 5.43000 Zr 8.41000
[1] Direct Intensities
Ag 6.54000 Al 11.5800 As 14.9700 B  6.09000 Ba 7.18000 Be 7.80000 Ca 5.12000
Cd 9.44000 Ce 14.7900 Co 41.8600 Cr 6.80000 Cu 13.0800 Dy 8.59000 Fe 7.37000
K  28.4000 La 9.43000 Li 6.34000 Mg 4.10000 Mn 6.81000 Mo 5.65000 Na 7.11000
Nd 6.42000 Ni 6.00000 P  7.42000 Pb 9.23000 Re 6.07000 Rh 10.0900 Ru 10.7400
Sb 4.93000 Se 9.72000 Si 6.89000 Sr 7.20000 Te 5.65000 Th 8.98000 Ti 4.86000
Tl 5.81000 U  37.5200 V  11.3300 Zn 5.45000 Zr 8.38000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.69	0.0068	33.07	0.00000	0.00000
Al	12.90	0.0234	26.02	0.00000	0.00000
As	16.55	0.0404	25.48	0.00000	0.00000
B	6.32	0.0184	6.84	0.00000	0.00000
Ba	7.40	0.0022	29.27	0.00000	0.00000
Be	8.25	0.0002	74.23	0.00000	0.00000
Ca	4.49	0.0001	43.30	0.00000	0.00000
Cd	10.22	0.0008	66.67	0.00000	0.00000
Ce	15.92	0.1418	9.27	0.00000	0.00000
Co	45.48	0.2514	3.18	0.00000	0.00000
Cr	7.08	0.0067	35.72	0.00000	0.00000
Cu	14.37	0.0077	19.62	0.00000	0.00000
Dy	8.87	0.0073	6.38	0.00000	0.00000
Fe	7.53	0.0046	27.94	0.00000	0.00000
K	28.82	0.3767	7.75	0.00000	0.00000
La	9.94	0.0111	9.62	0.00000	0.00000
Li	6.30	0.0056	12.50	0.00000	0.00000
Mg	4.03	0.0002	32.73	0.00000	0.00000

Mn	7.28	0.0007	13.64	0.00000	0.00000
Mo	6.71	0.0056	63.46	0.00000	0.00000
Na	7.16	0.0533	27.96	0.00000	0.00000
Nd	6.56	0.0424	12.00	0.00000	0.00000
Ni	6.23	0.0110	15.06	0.00000	0.00000
P	8.42	0.3954	45.90	0.00000	0.00000
Pb	10.02	0.0343	36.33	0.00000	0.00000
Re	6.35	0.0074	74.17	0.00000	0.00000
Rh	11.14	0.0734	7.96	0.00000	0.00000
Ru	11.37	-0.008	-21.82	0.00000	0.00000
Sb	5.02	0.1145	6.66	0.00000	0.00000
Se	10.29	0.1130	16.61	0.00000	0.00000
Si	7.24	0.0389	13.89	0.00000	0.00000
Sr	7.37	0.0007	8.33	0.00000	0.00000
Te	5.94	0.0524	20.97	0.00000	0.00000
Th	9.76	0.0895	29.89	0.00000	0.00000
Ti	4.96	0.0050	24.74	0.00000	0.00000
Tl	5.87	0.2185	17.32	0.00000	0.00000
U	40.30	0.3646	5.08	0.00000	0.00000
V	12.51	0.0081	27.44	0.00000	0.00000
Zn	5.60	0.0010	50.33	0.00000	0.00000
Zr	9.10	0.0064	9.96	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CH2
Sample number   = 1657
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CH2
Sample number   : 1657
Programme       : ALLELE          13-Sep-90  21:18:52
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 7.68000 Al 12.9700 As 72.6700 B  6.49000 Ba 558.200 Be 418.600 Ca 14.5000
Cd 10.1200 Ce 38.8800 Co 81.3500 Cr 7.12000 Cu 413.100 Dy 9.00000 Fe 234.200
K  28.3600 La 10.5600 Li 6.34000 Mg 1982.00 Mn 7.29000 Mo 190.300 Na 23.9800
Nd 6.68000 Ni 75.5300 P  8.49000 Pb 49.1100 Re 6.28000 Rh 36.2100 Ru 11.8700
Sb 19.9500 Se 12.3600 Si 7.79000 Sr 1760.00 Te 28.4400 Th 10.5200 Ti 97.1800
Tl 6.17000 U  73.7800 V  391.000 Zn 486.400 Zr 248.200
[1] Direct Intensities
Ag 7.67000 Al 12.9900 As 72.6900 B  6.45000 Ba 560.900 Be 420.200 Ca 14.5800
Cd 10.1500 Ce 39.0100 Co 81.5200 Cr 7.14000 Cu 415.800 Dy 9.04000 Fe 235.100
K  28.3800 La 10.5900 Li 6.35000 Mg 1991.00 Mn 7.29000 Mo 203.300 Na 24.0900
Nd 6.69000 Ni 75.8900 P  8.34000 Pb 49.2700 Re 6.30000 Rh 36.3900 Ru 11.8500
Sb 20.0100 Se 12.2800 Si 7.77000 Sr 1766.00 Te 28.5500 Th 10.5600 Ti 97.5900
Tl 6.18000 U  73.9400 V  392.800 Zn 488.400 Zr 249.100
[1] Direct Intensities
Ag 7.69000 Al 12.9700 As 72.4600 B  6.53000 Ba 560.700 Be 420.400 Ca 14.5600
Cd 10.1400 Ce 39.0600 Co 81.7300 Cr 7.14000 Cu 415.300 Dy 9.10000 Fe 235.400
K  28.3300 La 10.6300 Li 6.33000 Mg 1995.00 Mn 7.29000 Mo 203.500 Na 24.0900
Nd 6.68000 Ni 76.0000 P  8.25000 Pb 49.0900 Re 6.29000 Rh 36.3700 Ru 11.7000
Sb 20.1500 Se 12.3400 Si 7.81000 Sr 1765.00 Te 28.6700 Th 10.5900 Ti 97.6600
Tl 6.17000 U  74.1700 V  393.000 Zn 488.900 Zr 249.200
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	8.02	0.1048	0.21	0.00000	0.00000
Al	14.62	0.4249	0.79	0.00000	0.00000
As	93.78	10.156	0.22	0.00000	0.00000
B	6.80	0.0500	6.59	0.00000	0.00000
Ba	694.14	9.9759	0.27	0.00000	0.00000
Be	526.95	0.9998	0.24	0.00000	0.00000
Ca	15.71	0.0342	0.44	0.00000	0.00000
Cd	11.20	0.0203	2.10	0.00000	0.00000
Ce	46.53	10.045	0.38	0.00000	0.00000
Co	99.33	10.136	0.47	0.00000	0.00000
Cr	7.48	0.0289	2.99	0.00000	0.00000
Cu	463.96	9.9785	0.36	0.00000	0.00000
Dy	9.42	0.0286	8.21	0.00000	0.00000
Fe	313.83	10.025	0.27	0.00000	0.00000
K	28.73	0.3273	4.75	0.00000	0.00000
La	11.34	0.0823	2.63	0.00000	0.00000
Li	6.30	0.0056	12.50	0.00000	0.00000
Mg	2644.87	10.024	0.34	0.00000	0.00000
Mn	7.94	0.0055	0.00	0.00000	0.00000
Mo	328.58	)10.499	3.91	0.00000	0.00000
Na	26.45	10.100	0.37	0.00000	0.00000
Nd	6.85	0.1714	1.71	0.00000	0.00000
Ni	102.64	10.028	0.35	0.00000	0.00000
P	9.24	0.8404	11.47	0.00000	0.00000
Pb	64.04	10.054	0.25	0.00000	0.00000
Re	6.57	0.0240	4.00	0.00000	0.00000
Rh	43.97	10.025	0.37	0.00000	0.00000
Ru	12.83	0.1212	9.20	0.00000	0.00000
Sb	26.59	20.068	0.68	0.00000	0.00000
Se	13.71	1.3399	1.44	0.00000	0.00000
Si	8.36	0.3527	2.01	0.00000	0.00000
Sr	2132.62	9.9716	0.18	0.00000	0.00000
Te	37.26	10.044	0.50	0.00000	0.00000
Th	11.77	1.0389	1.97	0.00000	0.00000
Ti	133.92	10.004	0.28	0.00000	0.00000
Tl	6.30	2.6227	1.44	0.00000	0.00000
U	83.78	34.762	0.52	0.00000	0.00000
V	519.67	10.013	0.29	0.00000	0.00000
Zn	634.54	10.042	0.27	0.00000	0.00000
Zr	320.06	9.9986	0.23	0.00000	0.00000

More samples [Y/N] ?

```
Sample name     = CL1
Sample number   = 1658
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Sample number   : 1658
Programme       : ALLELE          13-Sep-90  21:26:34
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.54000 Al 11.6000 As 15.0700 B  6.05000 Ba 7.20000 Be 7.80000 Ca 5.17000
Cd 9.64000 Ce 14.7900 Co 41.9600 Cr 6.82000 Cu 13.0800 Dy 8.58000 Fe 7.41000
K  28.2700 La 9.48000 Li 6.33000 Mg 4.18000 Mn 6.86000 Mo 5.65000 Na 7.09000
Nd 6.48000 Ni 6.00000 P  7.49000 Pb 9.20000 Re 6.15000 Rh 10.1100 Ru 10.7800
Sb 4.89000 Se 9.64000 Si 6.94000 Sr 7.20000 Te 5.63000 Th 8.98000 Ti 4.89000
Tl 5.88600 U  37.5200 V  11.3700 Zn 5.51000 Zr 8.42000
[1] Direct Intensities
Ag 6.57000 Al 11.5800 As 14.8100 B  6.00000 Ba 7.16000 Be 7.79000 Ca 5.15000
Cd 9.56000 Ce 14.6900 Co 41.6100 Cr 6.80000 Cu 12.9700 Dy 8.58000 Fe 7.34000
K  28.1300 La 9.39000 Li 6.32000 Mg 4.14000 Mn 6.80000 Mo 5.76000 Na 7.05000
Nd 6.41000 Ni 5.98000 P  7.51000 Pb 9.30000 Re 6.09000 Rh 10.0300 Ru 10.7200
Sb 4.94000 Se 9.57000 Si 6.89000 Sr 7.19000 Te 5.66000 Th 8.88000 Ti 4.81000
Tl 5.79000 U  37.3500 V  11.2600 Zn 5.49000 Zr 8.40000
[1] Direct Intensities
Ag 6.55000 Al 11.5700 As 15.1300 B  6.04000 Ba 7.16000 Be 7.79000 Ca 5.15000
Cd 9.43000 Ce 14.7100 Co 41.6900 Cr 6.80000 Cu 12.9800 Dy 8.58000 Fe 7.36000
K  28.1600 La 9.42000 Li 6.29000 Mg 4.15000 Mn 6.80000 Mo 5.79000 Na 7.05000
Nd 6.44000 Ni 5.98000 P  7.38000 Pb 9.24000 Re 6.13000 Rh 10.0100 Ru 10.7200
Sb 4.88000 Se 9.67000 Si 6.86000 Sr 7.24000 Te 5.66000 Th 8.88000 Ti 4.85000
Tl 5.79000 U  37.3600 V  11.3000 Zn 5.49000 Zr 8.38000
```

NAME	MV INT	CONCEN	PSD	BCOR	SCOR
Ag	6.73	0.0096	13.48	0.00000	0.00000
Al	12.87	0.0175	25.46	0.00000	0.00000
As	16.56	0.0421	70.87	0.00000	0.00000
B	6.22	0.0121	18.84	3.00000	0.00000
Ba	7.38	0.0020	20.99	0.00000	0.00000
Be	8.28	0.0002	6.19	0.00000	0.00000
Ca	4.54	0.0003	16.50	0.00000	0.00000
Cd	10.37	0.0037	79.49	0.00000	0.00000
Ce	15.86	0.1227	17.64	0.00000	0.00000
Co	45.39	0.2340	19.51	0.00000	0.00000
Cr	7.04	0.0045	19.24	0.00000	0.00000
Cu	14.26	0.0052	28.97	0.00000	0.00000
Dy	8.86	0.0069	0.00	0.00000	0.00000
Fe	7.55	0.0053	30.05	0.00000	0.00000
K	28.54	0.2223	20.48	0.00000	0.00000
La	9.92	0.0105	26.96	0.00000	0.00000
Li	6.27	0.0037	39.03	0.00000	0.00000
Mg	4.08	0.0005	23.13	0.00000	0.00000
Mn	7.30	0.0008	41.57	0.00000	0.00000
Mo	6.75	0.0069	58.19	0.00000	0.00000
Na	7.14	0.0414	32.99	0.00000	0.00000
Nd	6.57	0.0492	36.33	0.00000	0.00000

Ni	6.22	0.0100	16.50	0.00000	0.00000
P	8.46	0.1246	44.68	0.00000	0.00000
Pb	10.06	0.0401	31.46	0.00000	0.00000
Re	6.36	0.0080	36.66	0.00000	0.00000
Rh	11.07	0.0519	38.72	0.00000	0.00000
Ru	11.39	-0.007	-61.13	0.00000	0.00000
Sb	4.98	0.0705	60.27	0.00000	0.00000
Se	10.22	0.0866	27.49	0.00000	0.00000
Si	7.24	0.0389	29.22	0.00000	0.00000
Sr	7.39	0.0008	22.35	0.00000	0.00000
Te	5.93	0.0509	14.85	0.00000	0.00000
Th	9.74	0.0798	42.24	0.00000	0.00000
Ti	4.94	0.0032	133.33	0.00000	0.00000
Tl	5.88	0.3060	111.35	0.00000	0.00000
U	40.18	0.7779	11.48	0.00000	0.00000
V	12.44	0.0067	21.69	0.00000	0.00000
Zn	5.66	0.0019	12.37	0.00000	0.00000
Zr	9.11	0.0065	12.77	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901255
Sample number   = 1659
Sample code 1   = A3
Sample code 2   = KOH-NI
Sample code 3   = BLK
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901255
Sample number   : 1659
Sample code 1   : A3
Sample code 2   : KOH-NI
Sample code 3   : BLK
Programme       : ALLELE          13-Sep-90  21:31:16
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.69000 Al 11.5500 As 14.9300 B  6.05000 Ba 7.25000 Be 7.75000 Ca 16.8000
Cd 9.45000 Ce 14.7200 Co 41.7000 Cr 6.80000 Cu 13.2000 Dy 8.56000 Fe 7.35000
K  763.600 La 9.42000 Li 6.32000 Mg 4.67000 Mn 6.89000 Mo 5.75000 Na 7.33000
Nd 6.42000 Ni 6.24000 P  7.46000 Pb 9.24000 Re 6.09000 Rh 10.0900 Ru 10.7600
Sb 4.89000 Se 9.52000 Si 6.96000 Sr 7.21000 Te 5.64000 Th 8.90000 Ti 4.86000
Tl 5.80000 U  37.3500 V  11.2900 Zn 5.60000 Zr 8.37000
[1] Direct Intensities
Ag 6.68000 Al 11.5500 As 14.8500 B  6.05000 Ba 7.28000 Be 7.74000 Ca 16.8000
Cd 9.45000 Ce 14.7600 Co 41.7900 Cr 6.80000 Cu 13.2100 Dy 8.55000 Fe 7.35000
K  762.900 La 9.46000 Li 6.32000 Mg 4.71000 Mn 6.92000 Mo 5.72000 Na 7.34000
Nd 6.42000 Ni 6.22000 P  7.47000 Pb 9.26000 Re 6.11000 Rh 10.0800 Ru 10.7400
Sb 4.90000 Se 9.69000 Si 6.98000 Sr 7.24000 Te 5.65000 Th 8.92000 Ti 4.87000
Tl 5.86000 U  37.4300 V  11.3100 Zn 5.60000 Zr 8.38000
[1] Direct Intensities
Ag 6.69000 Al 11.5600 As 15.0100 B  6.01000 Ba 7.28000 Be 7.80000 Ca 16.6800
Cd 9.51000 Ce 14.7700 Co 41.8100 Cr 6.81000 Cu 13.2000 Dy 8.60000 Fe 7.39000
K  758.100 La 9.43000 Li 6.32000 Mg 4.66000 Mn 6.89000 Mo 5.67000 Na 7.36000
Nd 6.44000 Ni 6.27000 P  7.40000 Pb 9.28000 Re 6.15000 Rh 10.1100 Ru 10.6700
Sb 4.92000 Se 9.56000 Si 6.97000 Sr 7.27000 Te 5.69000 Th 8.94000 Ti 4.84000
Tl 5.81000 U  37.4800 V  11.3000 Zn 5.58000 Zr 8.39000

NAME      MV INT   CONCEN      RSD      BCOR      SCOR
```

Ag	6.88	0.0208	2.34	0.00000	0.00000
Al	12.83	0.0088	19.25	0.00000	0.00000
As	16.46	0.0293	48.00	0.00000	0.00000
B	6.23	0.0126	15.06	0.00000	0.00000
Ba	7.50	0.0037	8.38	0.00000	0.00000
Be	8.24	0.0002	50.76	0.00000	0.00000
Ca	18.35	0.0422	0.59	0.00000	0.00000
Cd	10.26	0.0017	57.74	0.00000	0.00000
Ce	15.88	0.1309	8.27	0.00000	0.00000
Co	45.41	0.2373	6.15	0.00000	0.00000
Cr	7.04	0.0042	10.19	0.00000	0.00000
Cu	14.47	0.0100	1.43	0.00000	0.00000
Dy	8.85	0.0064	19.36	0.00000	0.00000
Fe	7.54	0.0050	20.38	0.00000	0.00000
K	835.97	)453.05	0.41	0.00000	0.00000
La	9.93	0.0109	11.78	0.00000	0.00000
Li	6.28	0.0042	0.00	0.00000	0.00000
Mg	4.78	0.0031	4.31	0.00000	0.00000
Mn	7.41	0.0016	10.60	0.00000	0.00000
Mo	6.72	0.0058	37.89	0.00000	0.00000
Na	7.46	0.2072	4.36	0.00000	0.00000
Nd	6.55	0.0407	14.43	0.00000	0.00000
Ni	6.57	0.0469	7.70	0.00000	0.00000
P	8.44	0.1113	27.04	0.00000	0.00000
Pb	10.07	0.0435	11.54	0.00000	0.00000
Re	6.35	0.0074	39.95	0.00000	0.00000
Rh	11.12	0.0683	0.49	0.00000	0.00000
Ru	11.37	-0.009	-64.44	0.00000	0.00000
Sb	4.98	0.0705	28.64	0.00000	0.00000
Se	10.17	0.0696	59.25	0.00000	0.00000
Si	7.32	0.0625	5.66	0.00000	0.00000
Sr	7.43	0.0010	17.65	0.00000	0.00000
Te	5.95	0.0553	20.89	0.00000	0.00000
Th	9.74	0.0837	13.95	0.00000	0.00000
Ti	4.95	0.0040	41.66	0.00000	0.00000
Tl	5.89	0.3278	64.30	0.00000	0.00000
U	40.20	0.7872	7.74	0.00000	0.00000
V	12.42	0.0065	4.05	0.00000	0.00000
Zn	5.78	0.0040	6.08	0.00000	0.00000
Zr	9.08	0.0057	7.32	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901255
Sample number   = 1660
Sample code 1   = A2
Sample code 2   = P5749G
Sample code 3   = KOH-NI
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901255
Sample number   : 1660
Sample code 1   : A2
Sample code 2   : P5749G
Sample code 3   : KOH-NI
Programme       : ALLELE            13-Sep-90  21:35:51
[******] +5 volt power supply out.
```

[1] Direct Intensities
Ag 6.79000 Al 11.8400 As 15.6700 B 6.10000 Ba 7.45000 Be 7.78000 Ca 40.3000
Cd 9.49000 Ce 14.7800 Co 41.7800 Cr 8.81000 Cu 15.1800 Dy 8.60000 Fe 76.2300
K 870.200 La 9.47000 Li 6.35000 Mg 9.68000 Mn 8.71000 Mo 5.73000 Na 39.6400
Nd 6.46000 Ni 11.1900 P 11.3000 Pb 9.57000 Re 6.14000 Rh 10.0900 Ru 10.9300
Sb 4.93000 Se 9.75000 Si 11.6400 Sr 13.4600 Te 5.64000 Th 8.94000 Ti 4.89000
Tl 5.80000 U 37.6000 V 11.3400 Zn 7.12000 Zr 8.40000
[1] Direct Intensities
Ag 7.15000 Al 11.8700 As 15.7500 B 6.09000 Ba 7.41000 Be 8.08000 Ca 40.1900
Cd 9.79000 Ce 14.9000 Co 41.9600 Cr 8.81000 Cu 15.2500 Dy 8.60000 Fe 76.1000
K 867.200 La 9.50000 Li 6.32000 Mg 9.68000 Mn 8.73000 Mo 5.71000 Na 39.4300
Nd 6.49000 Ni 11.2300 P 11.3900 Pb 9.44000 Re 6.18000 Rh 10.1300 Ru 10.9900
Sb 4.88000 Se 9.78000 Si 11.6500 Sr 13.4900 Te 5.65000 Th 9.14000 Ti 4.89000
Tl 5.85000 U 38.1400 V 11.3300 Zn 7.05000 Zr 8.39000
[1] Direct Intensities
Ag 6.76000 Al 11.8300 As 15.1600 B 6.12000 Ba 7.42000 Be 7.77000 Ca 40.2100
Cd 9.58000 Ce 14.8200 Co 42.0000 Cr 8.86000 Cu 15.2900 Dy 8.59000 Fe 76.3800
K 866.700 La 9.51000 Li 6.34000 Mg 9.69000 Mn 8.74000 Mo 5.77000 Na 39.5500
Nd 6.48000 Ni 11.2400 P 11.4200 Pb 9.43000 Re 6.15000 Rh 10.1400 Ru 11.0300
Sb 4.87000 Se 9.75000 Si 11.6400 Sr 13.5000 Te 5.64000 Th 8.99000 Ti 4.90000
Tl 5.85000 U 37.7700 V 11.4400 Zn 7.10000 Zr 8.42000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.13	0.0389	47.18	0.00000	0.00000
Al	13.20	0.0945	6.44	0.00000	0.00000
As	17.26	0.1340	41.93	0.00000	0.00000
B	6.31	0.0181	6.94	0.00000	0.00000
Ba	7.70	0.0066	5.73	0.00000	0.00000
Be	8.38	0.0004	99.71	0.00000	0.00000
Ca	46.29	0.1270	0.17	0.00000	0.00000
Cd	10.48	0.0059	73.31	0.00000	0.00000
Ce	15.94	0.1514	5.41	0.00000	0.00000
Co	45.61	0.2738	10.65	0.00000	0.00000
Cr	9.74	0.1553	1.39	0.00000	0.00000
Cu	16.75	0.0606	2.28	0.00000	0.00000
Dy	8.88	0.0076	3.53	0.00000	0.00000
Fe	100.25	3.0379	0.20	0.00000	0.00000
K	953.23	)518.82	0.23	0.00000	0.00000
La	10.00	0.0144	8.92	0.00000	0.00000
Li	6.30	0.0053	19.92	0.00000	0.00000
Mg	11.43	0.0284	0.10	0.00000	0.00000
Mn	9.90	0.0197	0.77	0.00000	0.00000
Mo	6.76	0.0071	23.50	0.00000	0.00000
Na	44.08	19.279	0.25	0.00000	0.00000
Nd	6.61	0.0662	11.75	0.00000	0.00000
Ni	13.44	0.7610	0.50	0.00000	0.00000
P	11.85	3.2344	1.54	0.00000	0.00000
Pb	10.37	0.0987	19.86	0.00000	0.00000
Re	6.40	0.0112	17.84	0.00000	0.00000
Rh	11.16	0.0785	12.80	0.00000	0.00000
Ru	11.72	0.0224	26.96	0.00000	0.00000
Sb	4.96	0.0573	74.18	0.00000	0.00000
Se	10.39	0.1485	5.41	0.00000	0.00000
Si	13.25	1.7164	0.12	0.00000	0.00000
Sr	14.98	0.0364	0.32	0.00000	0.00000
Te	5.92	0.0480	5.25	0.00000	0.00000
Th	9.87	0.1440	42.20	0.00000	0.00000
Ti	5.00	0.0079	7.87	0.00000	0.00000
Tl	5.90	0.3934	48.11	0.00000	0.00000

U	40.69	1.1745	21.96	0.00000	0.00000
V	12.54	0.0083	15.10	0.00000	0.00000
Zn	7.74	0.0351	2.14	0.00000	0.00000
Zr	9.11	0.0066	9.55	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901255
Sample number = 1661
Sample code 1 = A1
Sample code 2 = P5560G
Sample code 3 = KOH-NI
Weight =

Press <CR> when ready to start measurement
24;132H6n
Sample name : 901255
Sample number : 1661
Sample code 1 : A1
Sample code 2 : P5560G
Sample code 3 : KOH-NI
Programme : ALLELE 13-Sep-90 21:41:03
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.80000 Al 11.8600 As 14.9400 B 6.15000 Ba 7.51000 Be 7.81000 Ca 39.6800
Cd 9.58000 Ce 14.9000 Co 42.2000 Cr 8.80000 Cu 14.8000 Dy 8.67000 Fe 73.9700
K 895.000 La 9.59000 Li 6.37000 Mg 9.77000 Mn 8.55000 Mo 5.63000 Na 38.3900
Nd 6.49000 Ni 11.4800 P 11.3900 Pb 9.51000 Re 6.19000 Rh 10.1700 Ru 11.0000
Sb 4.96000 Se 9.72000 Si 11.5800 Sr 13.2800 Te 5.70000 Th 8.99000 Ti 4.92000
Tl 5.86000 U 37.9300 V 11.3800 Zn 6.74000 Zr 8.46000
[1] Direct Intensities
Ag 6.80000 Al 11.8300 As 14.9400 B 6.14000 Ba 7.48000 Be 7.80000 Ca 39.8100
Cd 9.65000 Ce 14.9100 Co 42.1900 Cr 8.80000 Cu 14.8100 Dy 8.65000 Fe 74.3700
K 898.400 La 9.56000 Li 6.35000 Mg 9.80000 Mn 8.54000 Mo 5.75000 Na 38.4600
Nd 6.48000 Ni 11.5400 P 11.1600 Pb 9.50000 Re 6.17000 Rh 10.1400 Ru 11.0200
Sb 4.94000 Se 9.69000 Si 11.6000 Sr 13.2900 Te 5.69000 Th 9.00000 Ti 4.90000
Tl 5.85000 U 37.9600 V 11.4100 Zn 6.69000 Zr 8.48000
[1] Direct Intensities
Ag 6.78000 Al 11.8600 As 15.0900 B 6.07000 Ba 7.50000 Be 7.78000 Ca 39.6800
Cd 9.64000 Ce 14.8900 Co 42.1900 Cr 8.79000 Cu 14.7800 Dy 8.62000 Fe 74.2100
K 894.800 La 9.49000 Li 6.37000 Mg 9.74000 Mn 8.53000 Mo 5.79000 Na 38.3000
Nd 6.50000 Ni 11.4800 P 11.1800 Pb 9.53000 Re 6.16000 Rh 10.1400 Ru 11.0000
Sb 4.85000 Se 9.66000 Si 11.6000 Sr 13.2900 Te 5.64000 Th 9.00000 Ti 4.90000
Tl 5.86000 U 37.3800 V 11.4600 Zn 6.64000 Zr 8.44000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.01	0.0299	3.27	0.00000	0.00000
Al	13.21	0.0955	5.30	0.00000	0.00000
As	16.54	0.0398	38.21	0.00000	0.00000
B	6.33	0.0195	18.42	0.00000	0.00000
Ba	7.79	0.0078	3.53	0.00000	0.00000
Be	8.28	0.0002	15.80	0.00000	0.00000
Ca	45.68	0.1252	0.22	0.00000	0.00000
Cd	10.48	0.0060	17.75	0.00000	0.00000
Ce	16.07	0.1923	2.13	0.00000	0.00000
Co	45.98	0.3435	0.42	0.00000	0.00000
Cr	9.70	0.1530	0.28	0.00000	0.00000
Cu	16.26	0.0496	0.77	0.00000	0.00000
Dy	8.94	0.0100	11.80	0.00000	0.00000

Fe	97.49	2.9475	0.30	0.00000	0.00000
K	934.10	)536.13	0.23	0.00000	0.00000
La	10.07	0.0177	17.90	0.00000	0.00000
Li	6.33	0.0072	11.17	0.00000	0.00000
Mg	11.55	0.0298	0.53	0.00000	0.00000
Mn	9.65	0.0179	0.55	0.00000	0.00000
Mo	6.73	0.0063	71.37	0.00000	0.00000
Na	42.74	18.584	0.26	0.00000	0.00000
Nd	6.63	0.0730	6.98	0.00000	0.00000
Ni	13.83	0.0011	0.62	0.00000	0.00000
P	11.74	3.1336	3.23	0.00000	0.00000
Pb	10.42	0.1071	3.58	0.00000	0.00000
Re	6.42	0.0128	11.46	0.00000	0.00000
Rh	11.19	0.0898	7.32	0.00000	0.00000
Ru	11.75	0.0252	5.50	0.00000	0.00000
Sb	5.00	0.0881	87.89	0.00000	0.00000
Se	10.30	0.1160	13.00	0.00000	0.00000
Si	13.19	1.6987	0.24	0.00000	0.00000
Sr	14.74	0.0353	0.09	0.00000	0.00000
Te	5.97	0.0625	22.43	0.00000	0.00000
Th	9.84	0.1284	2.62	0.00000	0.00000
Ti	5.02	0.0094	13.32	0.00000	0.00000
Tl	5.93	0.5464	6.73	0.00000	0.00000
U	40.80	1.2551	2.99	0.00000	0.00000
V	12.58	0.0095	11.12	0.00000	0.00000
Zn	7.21	0.0268	3.89	0.00000	0.00000
Zr	9.19	0.0090	9.23	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = 901256
Sample number   = 1662
Sample code 1   = A1
Sample code 2   = P5252G
Sample code 3   = KOH-NI
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : 901256
Sample number   : 1662
Sample code 1   : A1
Sample code 2   : P5252G
Sample code 3   : KOH-NI
Programme       : ALLELE          13-Sep-90  21:45:28
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.80000 Al 11.8000 As 15.7000 B  6.12000 Ba 7.42000 Be 7.80000 Ca 35.4800
Cd 9.64000 Ce 14.9100 Co 42.3500 Cr 8.70000 Cu 14.2100 Dy 8.64000 Fe 70.6900
K  846.800 La 9.56000 Li 6.38000 Mg 9.22000 Mn 8.70000 Mo 5.68000 Na 36.3200
Nd 6.48000 Ni 8.45000 P  11.0900 Pb 9.56000 Re 6.18000 Rh 10.1800 Ru 11.0800
Sb 4.92000 Se 9.65000 Si 11.2400 Sr 12.9300 Te 5.73000 Th 9.06000 Ti 4.92000
Tl 5.88000 U  38.0100 V  11.4900 Zn 6.54000 Zr 8.51000
[1] Direct Intensities
Ag 6.79000 Al 11.8100 As 14.9200 B  6.04000 Ba 7.44000 Be 7.79000 Ca 35.3700
Cd 9.50000 Ce 14.9300 Co 42.3000 Cr 8.68000 Cu 14.2300 Dy 8.62000 Fe 70.6000
K  846.700 La 9.58000 Li 6.35000 Mg 9.23000 Mn 8.69000 Mo 5.79000 Na 36.3400
Nd 6.49000 Ni 8.52000 P  11.2400 Pb 9.59000 Re 6.18000 Rh 10.1500 Ru 11.0100
Sb 4.91000 Se 9.67000 Si 11.2000 Sr 12.3900 Te 5.62000 Th 9.04000 Ti 4.91000
Tl 5.88000 U  38.0700 V  11.4300 Zn 6.55000 Zr 8.48000
```

[1] Direct Intensities

Ag 6.79000 Al 11.8100 As 15.0800 B 6.06000 Ba 7.43000 Be 7.79000 Ca 35.4700
Cd 9.56000 Ce 14.9000 Co 42.3300 Cr 8.67000 Cu 14.2000 Dy 8.66000 Fe 70.6400
K 849.400 La 9.56000 Li 6.36000 Mg 9.21000 Mn 8.68000 Mo 5.75000 Na 36.4700
Nd 6.51000 Ni 8.40000 P 11.1500 Pb 9.49000 Re 6.16000 Rh 10.1800 Ru 11.0600
Sb 4.88000 Se 9.56000 Si 11.2000 Sr 12.9300 Te 5.67000 Th 9.01000 Ti 4.90000
Tl 5.86000 U 38.0800 V 11.4200 Zn 6.48000 Zr 8.49000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.01	0.0299	1.63	0.00000	0.00000
Al	13.15	0.0828	2.04	0.00000	0.00000
As	16.87	0.0825	87.66	0.00000	0.00000
B	6.28	0.0157	21.91	0.00000	0.00000
Ba	7.70	0.0066	2.73	0.00000	0.00000
Be	8.28	0.0002	6.19	0.00000	0.00000
Ca	40.58	0.1097	0.20	0.00000	0.00000
Cd	10.40	0.0044	44.83	0.00000	0.00000
Ce	16.09	0.1977	3.16	0.00000	0.00000
Co	46.17	0.3767	1.66	0.00000	0.00000
Cr	9.55	0.1446	0.79	0.00000	0.00000
Cu	15.61	0.0351	1.08	0.00000	0.00000
Dy	8.93	0.0097	9.68	0.00000	0.00000
Fe	92.72	2.7916	0.07	0.00000	0.00000
K	930.77	)506.22	0.19	0.00000	0.00000
La	10.09	0.0189	3.77	0.00000	0.00000
Li	6.33	0.0072	14.78	0.00000	0.00000
Mg	10.82	0.0260	0.19	0.00000	0.00000
Mn	9.85	0.0194	0.51	0.00000	0.00000
Mo	6.76	0.0072	41.76	0.00000	0.00000
Na	40.46	17.396	0.28	0.00000	0.00000
Nd	6.63	0.0747	10.42	0.00000	0.00000
Ni	9.63	0.3645	2.37	0.00000	0.00000
P	11.66	3.0673	1.96	0.00000	0.00000
Pb	10.46	0.1154	11.16	0.00000	0.00000
Re	6.42	0.0128	8.66	0.00000	0.00000
Rh	11.22	0.0974	6.75	0.00000	0.00000
Ru	11.81	0.0304	14.23	0.00000	0.00000
Sb	4.98	0.0705	39.03	0.00000	0.00000
Se	10.22	0.0866	31.39	0.00000	0.00000
Si	12.71	1.5642	0.52	0.00000	0.00000
Sr	14.29	0.0332	0.39	0.00000	0.00000
Te	5.96	0.0611	39.34	0.00000	0.00000
Th	9.89	0.1518	9.69	0.00000	0.00000
Ti	5.02	0.0097	11.11	0.00000	0.00000
Tl	5.94	0.6557	11.55	0.00000	0.00000
U	40.95	1.3760	2.56	0.00000	0.00000
V	12.62	0.0103	9.63	0.00000	0.00000
Zn	7.00	0.0233	3.38	0.00000	0.00000
Zr	9.23	0.0104	6.11	0.00000	0.00000

More samples [Y/N] ?
Sample name = 901256
Sample number = 1663
Sample code 1 = A2
Sample code 2 = P6922G
Sample code 3 = KOH-NI
Weight =

Press <CR> when ready to start measurement
24;132H6n
Sample name : 901256
Sample number : 1663
Sample code 1 : A2
Sample code 2 : P59220
Sample code 3 : KOH-NI
Programme : ALLELE 13-Sep-90 21:51:21
[******] +5 volt power supply out.
[******] -100 volt power supply out.
[1] Direct Intensities
Ag 6.76000 Al 11.8100 As 15.3000 B 6.06000 Ba 7.48000 Be 7.76000 Ca 43.4600
Cd 9.68000 Ce 14.8800 Co 42.1600 Cr 8.93000 Cu 14.3100 Dy 8.62000 Fe 77.4100
K 892.800 La 9.53000 Li 6.38000 Mg 9.89000 Mn 8.73000 Mo 5.81000 Na 40.1500
Nd 6.50000 Ni 10.1400 P 11.4800 Pb 9.54000 Re 6.23000 Rh 10.1300 Ru 11.0400
Sb 4.94000 Se 9.79000 Si 11.8000 Sr 13.6100 Te 5.65000 Th 8.99000 Ti 4.90000
Tl 5.89000 U 37.9000 V 11.5100 Zn 6.63000 Zr 8.62000
[1] Direct Intensities
Ag 6.80000 Al 11.8500 As 15.2600 B 6.10000 Ba 7.45000 Be 7.78000 Ca 43.5200
Cd 9.55000 Ce 14.8900 Co 42.1800 Cr 8.95000 Cu 14.2900 Dy 8.62000 Fe 77.4000
K 893.900 La 9.54000 Li 6.34000 Mg 9.90000 Mn 8.71000 Mo 5.78000 Na 40.2600
Nd 6.47000 Ni 10.1300 P 11.5100 Pb 9.40000 Re 6.09000 Rh 10.1700 Ru 11.0900
Sb 4.90000 Se 9.69000 Si 11.7900 Sr 13.6400 Te 5.63000 Th 8.98000 Ti 4.90000
Tl 5.86000 U 37.9400 V 11.4000 Zn 6.61000 Zr 8.64000
[1] Direct Intensities
Ag 6.79000 Al 11.8000 As 15.5700 B 6.08000 Ba 7.46000 Be 7.79000 Ca 43.5800
Cd 9.63000 Ce 14.8900 Co 42.2300 Cr 8.91000 Cu 14.2800 Dy 8.65000 Fe 77.6500
K 894.400 La 9.55000 Li 6.36000 Mg 9.93000 Mn 8.75000 Mo 5.80000 Na 40.2000
Nd 6.50000 Ni 10.1700 P 11.4800 Pb 9.50000 Re 6.19000 Rh 10.1600 Ru 11.1100
Sb 4.93000 Se 9.78000 Si 11.8000 Sr 13.6100 Te 5.63000 Th 9.00000 Ti 4.93000
Tl 5.88000 U 37.9600 V 11.4100 Zn 6.64000 Zr 8.62000

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.00	0.0290	6.06	0.00000	0.00000
Al	13.17	0.0867	8.92	0.00000	0.00000
As	17.06	0.1077	27.49	0.00000	0.00000
B	6.28	0.0162	10.17	0.00000	0.00000
Ba	7.74	0.0072	3.82	0.00000	0.00000
Be	8.26	0.0002	19.93	0.00000	0.00000
Ca	50.20	0.1389	0.16	0.00000	0.00000
Cd	10.48	0.0059	31.23	0.00000	0.00000
Ce	16.05	0.1868	1.26	0.00000	0.00000
Co	45.98	0.3427	2.62	0.00000	0.00000
Cr	9.88	0.1630	0.92	0.00000	0.00000
Cu	15.70	0.0371	1.02	0.00000	0.00000
Dy	8.92	0.0092	8.81	0.00000	0.00000
Fe	101.94	3.0930	0.20	0.00000	0.00000
K	981.49	)534.67	0.09	0.00000	0.00000
La	10.06	0.0173	3.57	0.00000	0.00000
Li	6.32	0.0070	20.00	0.00000	0.00000
Mg	11.73	0.0295	0.36	0.00000	0.00000
Mn	9.91	0.0198	1.00	0.00000	0.00000
Mo	6.86	0.0103	8.04	0.00000	0.00000
Na	44.81	19.662	0.17	0.00000	0.00000
Nd	6.63	0.0730	12.08	0.00000	0.00000
Ni	11.96	0.6069	0.49	0.00000	0.00000
P	11.95	3.3298	0.41	0.00000	0.00000
Pb	10.37	0.0987	18.33	0.00000	0.00000
Re	6.42	0.0125	55.47	0.00000	0.00000

Rh	11.20	0.0911	0.67	0.00000	0.00000
Ru	11.85	0.0340	12.73	0.00000	0.00000
Sb	5.00	0.0969	28.39	0.00000	0.00000
Se	10.38	0.1454	17.58	0.00000	0.00000
Si	13.45	1.7707	0.12	0.00000	0.00000
Sr	15.15	0.0372	0.26	0.00000	0.00000
Te	5.91	0.0451	11.17	0.00000	0.00000
Th	9.83	0.1245	4.69	0.00000	0.00000
Ti	5.02	0.0097	19.24	0.00000	0.00000
Tl	5.95	0.6775	14.78	0.00000	0.00000
U	40.81	1.2644	2.25	0.00000	0.00000
V	12.61	0.0102	15.73	0.00000	0.00000
Zn	7.13	0.0255	1.25	0.00000	0.00000
Zr	9.40	0.0159	3.01	0.00000	0.00000

```
More samples [Y/N] ?
Sample name     = CL1
Sample number   = 1664
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CL1
Sample number   : 1664
Programme       : ALLELE          17-Sep-90  21:57:21
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 6.53000 Al 11.5900 As 15.1100 B  5.97000 Ba 7.22000 Be 7.74000 Ca 5.08000
Cd 9.49000 Ce 14.9600 Co 42.3900 Cr 6.91000 Cu 13.2000 Dy 8.68000 Fe 7.35000
K  28.5700 La 9.53000 Li 6.40000 Mg 4.12000 Mn 6.86000 Mo 5.73000 Na 7.13000
Nd 6.50000 Ni 6.04000 P  7.50000 Pb 9.40000 Re 6.19000 Rh 10.1800 Ru 10.8000
Sb 4.93000 Se 9.70000 Si 6.96000 Sr 7.26000 Te 5.65000 Th 8.99000 Ti 4.90000
Tl 5.91000 U  37.9900 V  11.5400 Zn 5.49000 Zr 8.48000
[1] Direct Intensities
Ag 6.49000 Al 11.5600 As 15.4500 B  5.96000 Ba 7.26000 Be 7.50000 Ca 5.09000
Cd 8.96000 Ce 14.9800 Co 37.2900 Cr 6.90000 Cu 13.2400 Dy 8.69000 Fe 7.38000
K  28.6800 La 9.52000 Li 6.40000 Mg 4.10000 Mn 6.88000 Mo 5.76000 Na 7.13000
Nd 6.49000 Ni 6.05000 P  7.37000 Pb 9.31000 Re 6.19000 Rh 10.2000 Ru 10.8600
Sb 4.98000 Se 9.68000 Si 6.97000 Sr 7.29000 Te 5.62000 Th 8.56000 Ti 4.89000
Tl 5.88000 U  33.5000 V  11.5600 Zn 5.54000 Zr 8.49000
[1] Direct Intensities
Ag 6.53000 Al 11.5700 As 14.6600 B  6.00000 Ba 7.22000 Be 7.78000 Ca 5.08000
Cd 9.53000 Ce 14.9800 Co 42.4200 Cr 6.90000 Cu 13.2100 Dy 8.70000 Fe 7.41000
K  28.5800 La 9.56000 Li 6.38000 Mg 4.13000 Mn 6.88000 Mo 5.70000 Na 7.15000
Nd 6.54000 Ni 6.04000 P  7.49000 Pb 9.35000 Re 6.17000 Rh 10.2000 Ru 10.7800
Sb 4.98000 Se 9.72000 Si 6.94000 Sr 7.29000 Te 5.71000 Th 8.99000 Ti 4.90000
Tl 5.88000 U  38.0000 V  11.5200 Zn 5.50000 Zr 8.49000
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	6.69	0.0065	30.12	0.00000	0.00000
Al	12.86	0.0146	30.55	0.00000	0.00000
As	16.66	0.0544	127.83	0.00000	0.00000
B	6.15	0.0077	22.30	0.00000	0.00000
Ba	7.46	0.0031	13.58	0.00000	0.00000
Be	8.13	-0.000	-567.90	0.00000	0.00000

Ca	4.45	-0.000	-173.19	0.00000	0.00000
Cd	10.06	-0.002	-381.80	0.00000	0.00000
Ce	16.16	0.2223	2.13	0.00000	0.00000
Co	43.96	-0.029	-2528.9	0.00000	0.00000
Cr	7.17	0.0117	3.69	0.00000	0.00000
Cu	14.49	0.0103	5.00	0.00000	0.00000
Dy	8.99	0.0120	3.90	0.00000	0.00000
Fe	7.56	0.0057	23.08	0.00000	0.00000
K	29.01	0.4837	7.77	0.00000	0.00000
La	10.05	0.0171	7.52	0.00000	0.00000
Li	6.36	0.0093	8.66	0.00000	0.00000
Mg	4.03	0.0003	30.55	0.00000	0.00000
Mn	7.37	0.0014	8.45	0.00000	0.00000
Mo	6.75	0.0067	24.32	0.00000	0.00000
Na	7.22	0.0849	8.06	0.00000	0.00000
Nd	6.65	0.0832	16.20	0.00000	0.00000
Ni	6.29	0.0182	4.56	0.00000	0.00000
P	8.45	0.1193	48.23	0.00000	0.00000
Pb	10.20	0.0669	16.91	0.00000	0.00000
Re	6.43	0.0138	9.06	0.00000	0.00000
Rh	11.25	0.1063	4.12	0.00000	0.00000
Ru	11.53	0.0052	122.11	0.00000	0.00000
Sb	5.06	0.1498	25.47	0.00000	0.00000
Se	10.31	0.1207	7.69	0.00000	0.00000
Si	7.30	0.0578	9.35	0.00000	0.00000
Sr	7.47	0.0012	8.25	0.00000	0.00000
Te	5.95	0.0553	36.18	0.00000	0.00000
Th	9.65	0.0409	354.66	0.00000	0.00000
Ti	5.00	0.0083	7.53	0.00000	0.00000
Tl	5.96	0.7649	14.85	0.00000	0.00000
U	39.10	-0.071	-3385.3	0.00000	0.00000
V	12.74	0.0128	4.11	0.00000	0.00000
Zn	5.68	0.0022	24.80	0.00000	0.00000
Zr	9.22	0.0101	2.37	0.00000	0.00000

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More samples [Y/N] ?
Sample name     = CH3
Sample number   = 1665
Sample code 1   =
Sample code 2   =
Sample code 3   =
Weight          =

Press <CR> when ready to start measurement
24;132H6n
Sample name     : CH3
Sample number   : 1665
Programme       : ALLELE          13-Sep-90  22:02:49
[******] +5 volt power supply out.
[1] Direct Intensities
Ag 7.12000 Al 44.8800 As 26.6100 B  122.800 Ba 7.39000 Be 8.35000 Ca 3282.00
Cd 357.800 Ce 15.7100 Co 43.4000 Cr 137.000 Cu 15.4400 Dy 215.000 Fe 7.74000
K  106.800 La 166.400 Li 287.900 Mg 5.10000 Mn 989.800 Mo 6.49000 Na 170.500
Nd 25.4600 Ni 6.67000 P  30.2400 Pb 10.6600 Re 107.000 Rh 11.4500 Ru 92.1100
Sb 5.00000 Se 30.4400 Si 34.4300 Sr 17.0000 Te 6.69000 Th 25.5100 Ti 5.28000
Tl 7.59000 U  39.5900 V  13.1600 Zn 5.99000 Zr 29.3900
[1] Direct Intensities
Ag 7.29000 Al 48.9000 As 7.1600 B  137.000 Ba 7.5300 Be 8.50000 Ca 3010.00
Cd 414.900 Ce 16.1300 Co 44.6100 Cr 157.300 Cu 16.0300 Dy 238.800 Fe 7.96000
```

Air

Sample

E03-196

K 115.900 La 187.000 Li 309.600 Mg 5.29000 Mn 1135.00 Mo 6.59000 Na 187.400
Nd 27.7100 Ni 6.88000 P 22.6000 Pb 11.2200 Re 121.000 Rh 11.8000 Ru 105.000
Sb 5.14000 Se 33.7000 Si 38.9300 Sr 19.2600 Te 6.97000 Th 27.5800 Ti 5.38000
Tl 7.68000 U 40.7100 V 13.9100 Zn 6.3600 Zr 32.1200
[1] Direct Intensities
Ag 7.43000 Al 49.3400 As 30.2700 B 18.90 Ba 7.60000 Be 8.64000 Ca 3034.00
Cd 426.600 Ce 16.4500 Co 45.5400 Cr 10.50 Cu 15.3800 Dy 240.400 Fe 8.09000
K 116.600 La 189.100 Li 309.600 Mg 5.37000 Mn 1157.00 Mo 6.69000 Na 187.900
Nd 27.9400 Ni 6.95000 P 22.6900 Pb 11.2000 Re 122.700 Rh 12.0300 Ru 107.800
Sb 5.18000 Se 34.3700 Si 38.9500 Sr 19.4500 Te 6.97000 Th 27.8100 Ti 5.41000
Tl 7.81000 U 41.6400 V 13.9700 Zn 6.65000 Zr 32.5100

NAME	MV INT	CONCEN	RSD	ICOR	SCOR
Ag	7.56	0.0710	18.48	0.00000	0.00000
Al	58.19	)10.579	6.79	0.00000	0.00000
As	34.89	2.4434	13.48	0.00000	0.00000
B	165.95	)10.473	6.93	0.00000	0.00000
Ba	7.80	0.0080	24.12	0.00000	0.00000
Be	9.16	0.0019	18.20	0.00000	0.00000
Ca	3460.40	)10.495	6.77	0.00000	0.00000
Cd	559.50	)10.920	9.43	0.00000	0.00000
Ce	17.59	0.6832	21.91	0.00000	0.00000
Co	49.14	0.9218	28.98	0.00000	0.00000
Cr	200.99	)10.821	8.67	0.00000	0.00000
Cu	17.55	0.0782	15.08	0.00000	0.00000
Dy	278.25	)10.414	6.38	0.00000	0.00000
Fe	8.31	0.0299	26.02	0.00000	0.00000
K	122.03	)52.655	6.41	0.00000	0.00000
La	218.63	)10.586	7.31	0.00000	0.00000
Li	329.11	)20.998	4.76	0.00000	0.00000
Mg	5.54	0.0060	11.69	0.00000	0.00000
Mn	1492.34	)10.776	8.36	0.00000	0.00000
Mo	8.18	0.0534	10.17	0.00000	0.00000
Na	205.93	)103.57	5.66	0.00000	0.00000
Nd	30.28	)10.535	6.62	0.00000	0.00000
Ni	7.39	0.1315	15.90	0.00000	0.00000
P	20.91	)11.458	9.00	0.00000	0.00000
Pb	12.46	0.4868	16.38	0.00000	0.00000
Re	145.08	)10.653	7.77	0.00000	0.00000
Rh	13.21	0.7010	15.82	0.00000	0.00000
Ru	134.54	)10.907	9.22	0.00000	0.00000
Sb	5.27	0.3392	36.82	0.00000	0.00000
Se	40.24	)10.863	9.01	0.00000	0.00000
Si	45.75	)10.774	8.05	0.00000	0.00000
Sr	21.50	0.0670	7.16	0.00000	0.00000
Te	7.56	0.5716	10.83	0.00000	0.00000
Th	32.07	)10.617	6.96	0.00000	0.00000
Ti	5.64	0.0579	12.68	0.00000	0.00000
Tl	8.10	)12.589	5.76	0.00000	0.00000
U	44.04	3.7870	25.20	0.00000	0.00000
V	15.46	0.0664	16.06	0.00000	0.00000
Zn	6.75	0.0194	35.57	0.00000	0.00000
Zr	38.78	0.9599	7.36	0.00000	0.00000

More samples [Y/N] ?
Sample name = CH3
Sample number = 1665
Sample code 1 =

```
Sample code 2  =
Sample code 3  =
Weight         =

Press <CR> when ready to start measurement
24:132H6n
Sample name     : CH3
Sample number   : 1665
Programme       : ALLELE          13-Sep-90  22:09:17
[******] +5 volt power supply cut.
[1] Direct Intensities
Ag 7.14000 Al 45.7600 As 26.6600 B  126.300 Ba 7.39000 Be 8.32000 Ca 2754.00
Cd 364.200 Ce 15.6400 Co 43.2200 Cr 140.100 Cu 15.4400 Dy 220.500 Fe 7.71000
K  109.100 La 170.300 Li 292.700 Mg 5.09000 Mn 1011.00 Mo 6.38000 Na 175.600
Nd 25.9500 Ni 6.64000 P  20.3200 Pb 10.7200 Re 109.500 Rh 11.4000 Ru 93.7900
Sb 5.06000 Se 30.5800 Si 35.0900 Sr 18.1500 Te 6.64000 Th 25.9500 Ti 5.29000
Tl 7.42000 U  39.4100 V  13.0500 Zn 6.03000 Zr 29.9000
[1] Direct Intensities
Ag 7.11000 Al 45.6700 As 27.0100 B  127.000 Ba 7.40000 Be 8.32000 Ca 2754.00
Cd 364.400 Ce 15.6700 Co 43.3300 Cr 140.300 Cu 15.4000 Dy 220.200 Fe 7.73000
K  108.600 La 170.200 Li 291.400 Mg 5.10000 Mn 1011.60 Mo 6.36000 Na 174.800
Nd 25.9200 Ni 6.67000 P  20.1500 Pb 10.8000 Re 109.400 Rh 11.4000 Ru 93.9800
Sb 5.04000 Se 30.8000 Si 35.0600 Sr 18.1400 Te 6.66000 Th 25.9300 Ti 5.30000
Tl 7.40000 U  39.4900 V  13.0800 Zn 6.01000 Zr 29.8800
[1] Direct Intensities
Ag 7.10000 Al 45.6600 As 27.2500 B  127.400 Ba 7.39000 Be 8.41000 Ca 2747.00
Cd 364.800 Ce 15.7100 Co 43.4500 Cr 140.300 Cu 15.4500 Dy 219.900 Fe 7.70000
K  108.200 La 170.000 Li 290.000 Mg 5.10000 Mn 1011.60 Mo 6.38000 Na 174.300
Nd 25.8900 Ni 6.66000 P  19.9800 Pb 10.6200 Re 109.500 Rh 11.4600 Ru 93.9900
Sb 5.07000 Se 31.0300 Si 35.0900 Sr 18.1700 Te 6.68000 Th 25.8900 Ti 5.28000
Tl 7.46000 U  39.6000 V  13.0800 Zn 5.98000 Zr 29.8800
```

NAME	MV INT	CONCEN	RSD	BCOR	SCOR
Ag	7.38	0.0572	3.08	0.00000	0.00000
Al	55.67	9.9912	0.16	0.00000	0.00000
As	32.61	2.1438	2.43	0.00000	0.00000
B	158.40	9.9780	0.46	0.00000	0.00000
Ba	7.66	0.0060	1.75	0.00000	0.00000
Be	8.98	0.0016	7.99	0.00000	0.00000
Ca	3273.53	9.9277	0.15	0.00000	0.00000
Cd	509.82	9.9329	0.09	0.00000	0.00000
Ce	17.05	0.5087	2.82	0.00000	0.00000
Co	47.53	0.6273	4.56	0.00000	0.00000
Cr	185.64	9.9652	0.09	0.00000	0.00000
Cu	16.97	0.0653	1.01	0.00000	0.00000
Dy	264.71	9.8910	0.14	0.00000	0.00000
Fe	8.01	0.0204	3.30	0.00000	0.00000
K	117.12	49.897	0.56	0.00000	0.00000
La	205.65	9.9280	0.09	0.00000	0.00000
Li	319.58	19.893	0.47	0.00000	0.00000
Mg	5.33	0.0052	0.56	0.00000	0.00000
Mn	1379.60	9.9584	0.03	0.00000	0.00000
Mo	7.82	0.0416	1.51	0.00000	0.00000
Na	197.93	99.408	0.39	0.00000	0.00000
Nd	29.00	9.9661	0.15	0.00000	0.00000
Ni	7.14	0.1062	2.06	0.00000	0.00000
P	19.46	10.217	1.32	0.00000	0.00000
Pb	12.04	0.4082	5.54	0.00000	0.00000
Sb	135.77	9.9391	0.06	0.00000	0.00000

Rh	12.78	0.5710	2.30	0.00000	0.00000
Ru	124.06	9.9784	0.14	0.00000	0.00000
Sb	5.20	0.2731	7.29	0.00000	0.00000
Se	37.50	9.9165	1.03	0.00000	0.00000
Si	43.00	10.009	0.05	0.00000	0.00000
Sr	20.63	0.0629	3.14	0.00000	0.00000
Te	7.31	0.4916	1.79	0.00000	0.00000
Th	30.78	10.008	0.18	0.00000	0.00000
Ti	5.55	0.0507	2.13	0.00000	0.00000
Tl	7.78	10.940	1.05	0.00000	0.00000
U	42.68	2.7210	3.26	0.00000	0.00000
V	14.78	0.0530	0.36	0.00000	0.00000
Zn	6.32	0.0126	4.17	0.00000	0.00000
Zr	36.90	0.8995	0.05	0.00000	0.00000

More samples [Y/N] ? N

Samp Log#:	90-1257c1	90-1257c1		90-1257c2	90-1257c2		90-1257c5					
Dilution:	2.00	10.00		2.00	10.00		2.00					
Wt% Fctr:	0.01963	0.09815		0.01990	0.09948		0.01974	0.09868			90-1257c1 90-1257c2	
ICP Run#:	1858	1851		1857	1850		1856	1849	DL	QL	Average	
	(Wt %)	(Wt %)	%Dif	(Wt %)	(Wt %)	%Dif	(Wt% *)	(Wt% *)	(ug/mL)	(ug/mL)	(Wt %)	RPD
Ag	(0.0004)	<DL		(0.0004)	<DL		<DL	<DL	0.0181	0.0603	0.0004	0.7%
Al	(0.0007)	<DL		<DL	<DL		<DL	<DL	0.0348	0.1160	N/A	
As	<DL	<DL		<DL	<DL		<DL	<DL	0.0805	0.2684	N/A	
B	<DL	<DL		(0.0020)	<DL		<DL	<DL	0.0670	0.2232	N/A	
Ba	<DL	<DL		<DL	<DL		<DL	<DL	0.0041	0.0138	N/A	
Be	<DL	<DL		<DL	<DL		<DL	<DL	0.0002	0.0006	N/A	
Ca	0.0009	0.0017	84.7%	0.0018	0.0029	58.5%	0.0008	0.0018	0.0009	0.0031	0.0014	68.5%
Cd	<DL	<DL		<DL	<DL		<DL	<DL	0.0071	0.0236	N/A	
Ce	<DL	<DL		<DL	<DL		<DL	<DL	0.2593	0.8642	N/A	
Co	<DL	<DL		<DL	<DL		<DL	<DL	0.5078	1.6928	N/A	
Cr	0.0050	(0.0053)		0.0052	(0.0055)		<DL	<DL	0.0316	0.1055	0.0051	3.6%
Cu	<DL	<DL		<DL	<DL		<DL	<DL	0.0226	0.0753	N/A	
Dy	<DL	<DL		<DL	<DL		<DL	<DL	0.0179	0.0595	N/A	
Fe	0.0025	(0.0021)		0.0049	0.0042	13.4%	<DL	<DL	0.0090	0.0300	0.0037	63.8%
K	(0.0228)	<DL		(0.0230)	<DL		<DL	<DL	0.6178	2.0592	0.0229	0.8%
La	<DL	<DL		<DL	<DL		<DL	<DL	0.0233	0.0775	N/A	
Li	<DL	<DL		<DL	<DL		<DL	<DL	0.0106	0.0355	N/A	
Mg	0.0003	0.0003	7.9%	0.0004	0.0005	6.0%	0.0002	0.0003	0.0007	0.0024	0.0004	44.2%
Mn	<DL	<DL		<DL	<DL		<DL	<DL	0.0017	0.0057	N/A	
Mo	(0.0003)	<DL		(0.0003)	<DL		<DL	<DL	0.0078	0.0260	0.0003	7.0%
Na	9.3689	9.3573	0.1%	9.5261	9.4196	1.1%	<DL	<DL	0.1149	0.3828	9.4475	1.7%
Nd	<DL	<DL		<DL	<DL		<DL	<DL	0.1118	0.3726	N/A	
Ni	<DL	<DL		<DL	<DL		<DL	<DL	0.0244	0.0812	N/A	
P	0.7452	0.7362	1.2%	0.8042	0.7788	3.2%	<DL	<DL	0.3559	1.1862	0.7747	7.6%
Pb	<DL	<DL		<DL	<DL		<DL	<DL	0.0766	0.2553	N/A	
Re	<DL	<DL		<DL	<DL		<DL	<DL	0.0193	0.0642	N/A	
Rh	<DL	<DL		<DL	<DL		<DL	<DL	0.1440	0.4801	N/A	
Ru	<DL	<DL		<DL	<DL		<DL	<DL	0.0690	0.2300	N/A	
Sb	<DL	<DL		<DL	<DL		<DL	<DL	0.1212	0.4039	N/A	
Se	<DL	<DL		<DL	<DL		<DL	<DL	0.0875	0.2916	N/A	
Si	0.0352	0.0314	10.9%	0.0576	0.0534	7.3%	<DL	<DL	0.0637	0.2124	0.0464	48.3%
Sr	<DL	<DL		(0.0000)	<DL		<DL	<DL	0.0014	0.0048	N/A	
Te	<DL	<DL		<DL	<DL		<DL	<DL	0.0625	0.2082	N/A	
Th	<DL	<DL		<DL	<DL		<DL	<DL	0.1891	0.6304	N/A	
Ti	<DL	<DL		<DL	<DL		<DL	<DL	0.0121	0.0403	N/A	
Tl	<DL	<DL		<DL	<DL		<DL	<DL	3.9597	13.1990	N/A	
U	<DL	<DL		<DL	<DL		<DL	<DL	1.6450	5.4834	N/A	
V	<DL	<DL		<DL	<DL		<DL	<DL	0.0107	0.0357	N/A	
Zn	<DL	<DL		<DL	<DL		<DL	<DL	0.0063	0.0210	N/A	
Zr	<DL	<DL		<DL	<DL		<DL	<DL	0.0114	0.0381	N/A	
Bi	N/A			N/A			N/A				N/A	

* Methods blank - average sample weight used to calculate wt%.

10/18/90

Date: Sept 24, 1990
Project: SST
Procedure: PNL-SP-7

Analyst: D.P. Dielhart 10/24/90
Reviewer: M. Wilkins 10/25/90

File: icp1257w
Reported: 10/18/90

Sample Log#	90-1257c1	90-1257c1	90-1257c2	90-1257c2	90-1257c5	90-1257c5
ID	S1 2x	S1 10x	S2 2x	S2 10x	BLK 1x	BLK 10x
Prep Type	Water	Water	Water	Water	Water	Water
Sample Wt-g	2.080	2.080	2.022	2.022	2.051	2.051
Makeup Vol-mL	202.1	202.1	199.1	199.1	200.3	200.3
Dil: Smpl-mL						
Dil: Vol-mL						
Prep Factor	98.15	98.15	99.48	99.48	98.68	98.68
Spike ID						
Spike Vol-mL						
Spike Dilution						
ICP Dilution	2.00	10.00	2.00	10.00	2.00	10.00
Wt% Factor	0.01963	0.09815	0.01990	0.09948	0.01974	0.09868
ICP Run #	1858	1851	1857	1850	1856	1849
Weight % Ag	0.0004	0.0005	0.0004	-0.0031	-0.0001	0.0000
Al	0.0007	0.0016	0.0006	-0.0005	0.0000	-0.0014
As	0.0004	-0.0010	0.0004	-0.0001	-0.0005	-0.0009
B	0.0010	-0.0001	0.0020	0.0011	-0.0000	-0.0011
Ba	0.0000	-0.0001	0.0000	-0.0001	0.0000	-0.0001
Be	-0.0000	0.0000	-0.0000	-0.0001	-0.0000	-0.0000
Ca	0.0009	0.0017	0.0018	0.0029	0.0008	0.0018
Cd	-0.0001	-0.0000	-0.0001	-0.0025	-0.0000	-0.0001
Ce	-0.0003	-0.0047	-0.0004	-0.0035	-0.0004	-0.0051
Co	-0.0011	-0.0092	-0.0014	-0.1454	-0.0012	-0.0088
Cr	0.0050	0.0053	0.0052	0.0055	-0.0000	-0.0000
Cu	0.0001	0.0000	0.0001	0.0002	0.0000	-0.0002
Dy	-0.0000	-0.0004	-0.0000	-0.0002	-0.0001	-0.0004
Fe	0.0025	0.0021	0.0049	0.0042	-0.0001	-0.0006
K	0.0228	0.0082	0.0230	0.0162	-0.0004	-0.0059
La	-0.0000	-0.0003	-0.0000	0.0001	-0.0000	-0.0002
Li	0.0000	-0.0000	-0.0000	0.0001	0.0000	-0.0000
Mg	0.0003	0.0003	0.0004	0.0005	0.0002	0.0003
Mn	0.0000	-0.0000	0.0000	-0.0000	-0.0000	-0.0000
Mo	0.0003	0.0008	0.0003	0.0006	-0.0001	0.0002
Na	9.3689	9.3573	9.5261	9.4196	0.0003	-0.0026
Nd	-0.0005	-0.0014	-0.0003	0.0002	-0.0005	-0.0020
Ni	-0.0001	-0.0002	-0.0000	-0.0002	-0.0001	-0.0005
P	0.7452	0.7362	0.8042	0.7788	0.0000	-0.0009
Pb	-0.0002	-0.0012	-0.0004	-0.0012	-0.0004	-0.0018
Re	0.0000	0.0004	-0.0000	0.0002	-0.0001	-0.0003
Rh	-0.0003	-0.0024	-0.0003	-0.0018	-0.0002	-0.0032
Ru	-0.0004	-0.0010	-0.0004	-0.0014	0.0003	0.0006
Sb	0.0004	-0.0018	0.0001	0.0080	-0.0002	-0.0023
Se	0.0010	0.0077	0.0011	0.0075	-0.0002	0.0040
Si	0.0352	0.0314	0.0576	0.0534	-0.0001	-0.0024
Sr	0.0000	-0.0000	0.0000	0.0000	-0.0000	-0.0000
Te	-0.0002	0.0011	0.0002	-0.0019	-0.0001	0.0001
Th	-0.0006	-0.0017	-0.0006	-0.0431	-0.0006	-0.0019
Ti	0.0000	-0.0001	0.0000	-0.0001	-0.0000	-0.0001
Tl	0.0033	-0.1726	0.0008	-0.1526	-0.0007	-0.1661
U	-0.0026	-0.0262	-0.0035	-0.4602	-0.0035	-0.0286
V	-0.0000	-0.0001	-0.0000	0.0001	-0.0006	-0.0002
Zn	0.0000	0.0002	0.0000	0.0001	0.0000	0.0001
Zr	-0.0000	-0.0001	-0.0000	-0.0000	-0.0000	-0.0003
Bi						

Date: Sept 24, 1990
Project: SST
Procedure: PNL-SP-7
MT&E: WA55672

Data Entry By: JAG 10/22/90
Data Verified By: TML 10/24/90

File: icp1257w

Sample ID:		90-1257c1	90-1257c1	90-1257c2	90-1257c2	90-1257c5	
ICP Run #		1858	1851	1857	1850	1856	
(ug/mL)	Ag	0.0201	0.0049	0.0197	-0.0310	-0.0030	0.0003
	Al	0.0371	0.0175	0.0295	-0.0030	0.0033	-0.0120
	As	0.0055	-0.0270	0.0023	-0.0180	-0.0400	-0.0260
	B	0.0663	0.0155	0.1158	0.0275	0.0168	0.0057
	Ba	-0.0000	-0.0010	-0.0000	-0.0010	-0.0000	-0.0010
	Be	-0.0000	0.0001	-0.0000	-0.0010	-0.0000	-0.0000
	Ca	0.0464	0.0174	0.0931	0.0298	0.0410	0.0188
	Cd	-0.0060	-0.0000	-0.0040	-0.0250	-0.0020	-0.0010
	Ce	-0.0190	-0.0540	-0.0250	-0.0410	-0.0280	-0.0570
	Co	-0.0930	-0.1310	-0.1080	-1.4990	-0.0960	-0.1260
	Cr	0.2528	0.0511	0.2586	0.0522	-0.0040	-0.0030
	Cu	0.0005	-0.0020	0.0011	0.0001	0.0002	-0.0040
	Dy	-0.0020	-0.0040	-0.0020	-0.0020	-0.0030	-0.0040
	Fe	0.1280	0.0216	0.2442	0.0426	-0.0050	-0.0060
	K	1.1276	0.0484	1.1212	0.1276	-0.0560	-0.0950
	La	-0.0030	-0.0040	-0.0020	0.0002	-0.0020	-0.0030
	Li	-0.0000	-0.0010	-0.0010	0.0005	-0.0000	-0.0010
	Mg	0.0146	0.0034	0.0224	0.0050	0.0106	0.0030
	Mn	0.0009	0.0000	0.0015	0.0002	0.0001	-0.0000
(ug/mL)	Mo	0.0136	0.0059	0.0145	0.0040	-0.0060	-0.0000
	Na	477.2900	95.3480	478.8200	94.7010	0.0253	-0.0170
	Nd	-0.0240	-0.0110	-0.0110	0.0056	-0.0200	-0.0170
	Ni	-0.0040	-0.0010	-0.0010	-0.0010	-0.0030	-0.0040
	P	37.9040	7.4420	40.3640	7.7702	-0.0570	-0.0680
	Pb	-0.0090	-0.0090	-0.0190	-0.0090	-0.0180	-0.0150
	Re	-0.0000	0.0027	-0.0020	0.0010	-0.0040	-0.0040
	Rh	-0.0220	-0.0320	-0.0220	-0.0260	-0.0180	-0.0400
	Ru	-0.0370	-0.0270	-0.0370	-0.0300	0.0005	-0.0100
	Sb	0.0054	-0.0330	-0.0110	0.0665	-0.0220	-0.0380
	Se	0.0183	0.0468	0.0224	0.0434	-0.0410	0.0087
	Si	1.7966	0.3227	2.9001	0.5399	-0.0040	-0.0210
	Sr	0.0011	-0.0000	0.0023	0.0003	0.0001	-0.0000
	Te	0.0000	0.0222	0.0238	-0.0080	0.0055	0.0127
	Th	-0.0350	-0.0222	-0.0370	-0.4380	-0.0350	-0.0240
	Ti	-0.0000	-0.0010	0.0009	-0.0010	-0.0010	-0.0010
	Tl	0.2561	-1.6710	0.1280	-1.4470	0.0512	-1.5960
	U	-0.2200	-0.3540	-0.2630	-4.7130	-0.2660	-0.3770
	V	-0.0010	-0.0020	-0.0010	-0.0000	-0.0330	-0.0030
	Zn	0.0030	0.0025	0.0022	0.0019	0.0025	0.0017
	Zr	-0.0020	-0.0020	-0.0020	-0.0010	-0.0020	-0.0040
(ug/mL)	Bi						

Pages E03-203 thru E03-211 are not included intentionally.

Battelle
Pacific Northwest Laboratories

Page ____ of ____

ENGINEERING WORKSHEET

Prepared By: | Date: | Project:

Title/Subject:

SEPT 24

1846	ICW 1		
47	CH3		
48	CL1		
49	90-1257	C5	10X
50		C2	10X
51		C1	10X
52	CH2		
53	CL1		
54	CH3	CL1	
55	90-1257	C5	2X
56		C2	2X
57		C1	2X
58	CH2		
59	CL1		
60			
61	90-1279	C5	10X
62		C2	10X
63		C1	10X
64	90-1279	C5	2X
65		C2	2X
66		C1	2X
67	CH3		
68	CL1		
69			
70			

Temp
SEPT24.WK1

ICP 1257W
~~1851, 1858, 1850, 1~~
1858, 1851, 1857, 1850, 1856, 1849

ICP 1279W
1866, 1863, 1865, 1862, 1864, 1861