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Acculabs, Inc.
4663 Table Mountain Drive - Golden, CO 80403-1650 - (303) 277-9514

Date: 02/26/99 Federal ID#: 86-0807126 ISS01
Page 1

* * * **INVOICE** * * *

Invoice Number: 029397L

To: MS Mary Goldade
ISSI
999 18th Street Suite 1180
Denver CO 80202

Acculabs Job Number: 027901 Acculabs Project Number: ISS001B
Date Received: 01/14/99 Client Project Number: EPA-0098 I-70
P.O. Number: NONE
Chain of Custody Number: NONE Matrix: Soil

Analyte	Quantity	Price	Totals
M Sample Prep	26	15.00	390.00
Arsenic, Total	26	15.00	390.00
Cadmium, Total	26	15.00	390.00
Lead, Total	26	15.00	390.00
Zinc, Total	26	15.00	390.00

Total $: 1,950.00

Terms: Net 30 days

CUSTOMER COPY

Acculabs, Inc.
4663 Table Mountain Drive - Golden, CO 80403-1650 - (303) 277-9514

Date: 02/26/99 Federal ID#: 86-0807126 ISS01
Page 1

*** * * INVOICE - REMITTANCE COPY * * ***

Invoice Number: 029397L

To: MS Mary Goldade
ISSI
999 18th Street Suite 1180
Denver CO 80202

Acculabs Job Number: 027901 Acculabs Project Number: ISS001B
Date Received: 01/14/99 Client Project Number: EPA-0098 I-70
P.O. Number: NONE
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Cadmium, Total	26	15.00	390.00
Lead, Total	26	15.00	390.00
Zinc, Total	26	15.00	390.00

Total $: 1,950.00

Terms: Net 30 days

PLEASE RETURN THIS COPY TO ACCULABS INC WITH PAYMENT

Acculabs Inc.
Golden 4663 Table Mountain Drive, Golden CO 80403 • 303-277-9514 • Fax 277-9512

Date: 02/26/99
Page 1 - A

CASE NARRATIVE

MS Mary Goldade
ISSI
999 18th Street Suite 1180
Denver, CO 80202

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

The following samples were received at the laboratory:

99-A730	Soil
99-A731	Soil
99-A732	Soil
99-A733	Soil
99-A734	Soil
99-A735	Soil
99-A736	Soil
99-A737	Soil
99-A738	Soil
99-A739	Soil
99-A740	Soil
99-A741	Soil
99-A742	Soil
99-A743	Soil
99-A744	Soil
99-A745	Soil
99-A746	Soil
99-A747	Soil
99-A748	Soil
99-A749	Soil
99-A750	Soil
99-A751	Soil
99-A752	Soil
99-A753	Soil
99-A754	Soil
99-A755	Soil

The samples were received within EPA recommended holding times and in good condition. The radioactivity screen was performed at sample login, if required, and all results were within acceptable limits. If required, a pH screen confirmed that all samples were preserved to acceptable pH levels. Samples were analyzed within holding times as prescribed by the analytical method. Exceptions to these statements, additional information and any analytical anomalies are noted below.

We received these samples 1/14/99. Samples were returned to the client on 1/15/99 for more sample volume. Samples were returned to the laboratory on 1/27/99.

Acculabs Inc.

Date: 02/26/99
Page 2 - A

CASE NARRATIVE

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

The temperature of the samples upon arrival was 21 degrees C.

Sections A, B and C of this report contain a total of 21 pages.

Trudy L. Scott
Laboratory Manager

Acculabs Inc.

Date: 02/26/99
Page 1 - B

REPORT OF ANALYSIS

MS Mary Goldade
ISSI
999 18th Street Suite 1180
Denver, CO 80202

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A730
Client Designation:	ND-98-336
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	1900
Cadmium, Total (mg/kg)	9.0
Lead, Total (mg/kg)	1000
Zinc, Total (mg/kg)	290

Acculabs Designation:	99-A731
Client Designation:	ND-98-387
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	820
Cadmium, Total (mg/kg)	6.7
Lead, Total (mg/kg)	1900
Zinc, Total (mg/kg)	310

Acculabs Designation:	99-A732
Client Designation:	ND-98-356
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	490
Cadmium, Total (mg/kg)	4.9
Lead, Total (mg/kg)	450
Zinc, Total (mg/kg)	240

Acculabs Inc.

Date: 02/26/99
Page 2 - B

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A733
Client Designation:	ND-98-435
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	95
Cadmium, Total (mg/kg)	1.9
Lead, Total (mg/kg)	110
Zinc, Total (mg/kg)	83

Acculabs Designation:	99-A734
Client Designation:	ND-98-586
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	540
Cadmium, Total (mg/kg)	8.3
Lead, Total (mg/kg)	1200
Zinc, Total (mg/kg)	280

Acculabs Designation:	99-A735
Client Designation:	ND-98-721
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	73
Cadmium, Total (mg/kg)	4.3
Lead, Total (mg/kg)	270
Zinc, Total (mg/kg)	150

Acculabs Inc.

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A736
Client Designation:	ND-98-607
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	490
Cadmium, Total (mg/kg)	11
Lead, Total (mg/kg)	1100
Zinc, Total (mg/kg)	390

Acculabs Designation:	99-A737
Client Designation:	ND-98-1786
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	630
Cadmium, Total (mg/kg)	5.5
Lead, Total (mg/kg)	1100
Zinc, Total (mg/kg)	180

Acculabs Designation:	99-A738
Client Designation:	ND-98-350
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	370
Cadmium, Total (mg/kg)	11
Lead, Total (mg/kg)	920
Zinc, Total (mg/kg)	410

Acculabs Inc.

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A739
Client Designation:	ND-98-1715
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	2700
Cadmium, Total (mg/kg)	10
Lead, Total (mg/kg)	1300
Zinc, Total (mg/kg)	220

Acculabs Designation:	99-A740
Client Designation:	ND-98-381
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	410
Cadmium, Total (mg/kg)	8.3
Lead, Total (mg/kg)	1500
Zinc, Total (mg/kg)	280

Acculabs Designation:	99-A741
Client Designation:	ND-98-391
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	1500
Cadmium, Total (mg/kg)	13
Lead, Total (mg/kg)	1900
Zinc, Total (mg/kg)	390

Acculabs Inc.

Date: 02/26/99
Page 5 - B

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A742
Client Designation:	ND-98-389
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	620
Cadmium, Total (mg/kg)	7.8
Lead, Total (mg/kg)	2000
Zinc, Total (mg/kg)	290

Acculabs Designation:	99-A743
Client Designation:	ND-98-348
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	57
Cadmium, Total (mg/kg)	2.8
Lead, Total (mg/kg)	220
Zinc, Total (mg/kg)	230

Acculabs Designation:	99-A744
Client Designation:	ND-98-650
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	13
Cadmium, Total (mg/kg)	4.3
Lead, Total (mg/kg)	270
Zinc, Total (mg/kg)	160

Acculabs Inc.

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A745
Client Designation:	ND-98-400
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	940
Cadmium, Total (mg/kg)	12
Lead, Total (mg/kg)	2400
Zinc, Total (mg/kg)	460

Acculabs Designation:	99-A746
Client Designation:	ND-98-738
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	55
Cadmium, Total (mg/kg)	3.9
Lead, Total (mg/kg)	240
Zinc, Total (mg/kg)	180

Acculabs Designation:	99-A747
Client Designation:	ND-98-616
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	400
Cadmium, Total (mg/kg)	5.7
Lead, Total (mg/kg)	530
Zinc, Total (mg/kg)	350

Acculabs Inc.

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A748
Client Designation:	ND-98-745
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	25
Cadmium, Total (mg/kg)	2.1
Lead, Total (mg/kg)	130
Zinc, Total (mg/kg)	200

Acculabs Designation:	99-A749
Client Designation:	ND-98-825
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	140
Cadmium, Total (mg/kg)	5.7
Lead, Total (mg/kg)	370
Zinc, Total (mg/kg)	390

Acculabs Designation:	99-A750
Client Designation:	ND-98-946
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	220
Cadmium, Total (mg/kg)	5.2
Lead, Total (mg/kg)	390
Zinc, Total (mg/kg)	340

Acculabs Inc.

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A751
Client Designation:	ND-98-269
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	38
Cadmium, Total (mg/kg)	4.4
Lead, Total (mg/kg)	310
Zinc, Total (mg/kg)	570

Acculabs Designation:	99-A752
Client Designation:	ND-98-1721
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	1000
Cadmium, Total (mg/kg)	5.5
Lead, Total (mg/kg)	730
Zinc, Total (mg/kg)	140

Acculabs Designation:	99-A753
Client Designation:	ND-98-1743
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	2200
Cadmium, Total (mg/kg)	7.9
Lead, Total (mg/kg)	1500
Zinc, Total (mg/kg)	190

Acculabs Inc.

Date: 02/26/99
Page 9 - B

REPORT OF ANALYSIS

MS Mary Goldade
ISSI

Lab Job Number: 027901 ISS001
Date Samples Received: 01/14/99

Acculabs Designation:	99-A754
Client Designation:	ND-98-572
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	520
Cadmium, Total (mg/kg)	7.6
Lead, Total (mg/kg)	1100
Zinc, Total (mg/kg)	230

Acculabs Designation:	99-A755
Client Designation:	ND-98-649
Sample Location:	
Location II:	
Date/Time Collected	01/13/99

General Chemistry (results in mg/L unless noted):

Arsenic, Total (mg/kg)	1300
Cadmium, Total (mg/kg)	8.5
Lead, Total (mg/kg)	740
Zinc, Total (mg/kg)	200

NOTES:
All results reported on a dry weight basis.

Scheduled sample disposal/return date: March 28, 1999.

Trudy L. Scott
Laboratory Manager

Acculabs Inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A730					
Client Sample ID: ND-98-336					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A731					
Client Sample ID: ND-98-387					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A732					
Client Sample ID: ND-98-356					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A733					
Client Sample ID: ND-98-435					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020

Acculabs Inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A733					
Client Sample ID: ND-98-435					
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A734					
Client Sample ID: ND-98-586					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A735					
Client Sample ID: ND-98-721					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A736					
Client Sample ID: ND-98-607					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020

Acculabs Inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A737					
Client Sample ID: ND-98-1786					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A738					
Client Sample ID: ND-98-350					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A739					
Client Sample ID: ND-98-1715					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A740					
Client Sample ID: ND-98-381					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020

Acculabs Inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A740					
Client Sample ID: ND-98-381					
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A741					
Client Sample ID: ND-98-391					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A742					
Client Sample ID: ND-98-389					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A743					
Client Sample ID: ND-98-348					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020

Acculabs Inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A744					
Client Sample ID: ND-98-650					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A745					
Client Sample ID: ND-98-400					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A746					
Client Sample ID: ND-98-738					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A747					
Client Sample ID: ND-98-616					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020

Acculabs Inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A747					
Client Sample ID: ND-98-616					
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A748					
Client Sample ID: ND-98-745					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A749					
Client Sample ID: ND-98-825					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A750					
Client Sample ID: ND-98-946					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020

Acculabs Inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A751					
Client Sample ID: ND-98-269					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A752					
Client Sample ID: ND-98-1721					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A753					
Client Sample ID: ND-98-1743					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A754					
Client Sample ID: ND-98-572					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020

Acculabs inc.

QA/QC Report for Acculabs Job Number 027901

PARAMETER	DETECTION LIMIT	DATE OF ANALYSIS	TIME OF ANALYSIS	ANALYST	METHOD
Lab Sample Number: 99-A754					
Client Sample ID: ND-98-572					
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Lab Sample Number: 99-A755					
Client Sample ID: ND-98-649					
M Sample Prep	NA				D421
Total Digestion Solids	NA	2/ 3/99	8:00	BR	3050
Arsenic, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Cadmium, Total	0.01 mg/kg	2/24/99	15:34	MG	6020
Lead, Total	0.1 mg/kg	2/24/99	15:34	MG	6020
Zinc, Total	0.1 mg/kg	2/24/99	15:34	MG	6020

Approved by : EoA Date : 3/1/99

000019

Acculabs Inc

QA/QC DATA SHEET

Acculabs Inc.

ALR Job #: 027901

Date Rec: 01/14/99

Analyte	Calibration Verification			Calibration Blank		Lab Control Sample / Spike Blank			Reagent Blank
	True mg/L	Initial %R	Continue %R	Initial	Continue	True	Found	%R	
Arsenic	0.10	99	100	<0.001	0.002*	917	990	108	<0.001
		97	98	<0.001	<0.001		949	103	<0.001
			95		<0.001				
			92		<0.001				
			96		<0.001				
	0.10	97	97	<0.001	<0.001				
			97		<0.001				
Cadmium	0.010	102	100	<0.0001	<0.0001	45.4	44	97	<0.0001
		97	97	<0.0001	<0.0001		39	86	<0.0001
			96		<0.0001				
			92		<0.0001				
			98		<0.0001				
	0.010	99	97	<0.0001	<0.0001				
			99		<0.0001				
Lead	0.10	99	99	<0.001	<0.001	236	210	89	<0.001
		96	98	<0.001	<0.001		195	83	<0.001
			97		<0.001				
			95		<0.001				
			97		<0.001				
	0.10	100	99	<0.001	<0.001				
			99		<0.001				
Zinc	0.10	102	98	<0.001	<0.001	187	166	89	0.006*
		98	102	<0.001	<0.001		174	93	0.014*
			102		<0.001				
			98		<0.001				
			102		<0.001				
	0.10	101	103	<0.001	<0.001				
			102		<0.001				

*Sample concentration 5 times greater than blank reading.

Approved: [illegible]

Date: 3/1/99

000020

Acculabs Inc.

Acculabs Inc.

SPIKE/DUPLICATE DATA SHEET

ALR Job #: 027901

Date Rec: 01/14/99

Analyte	Sample #	Spike Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R	Sample #	Sample (S) mg/Kg	Duplicate (D) mg/Kg	RPD
Arsenic	99-A748	0.0269	0.0024(10000x)	0.025	98	99-A730	1900	1900	0
	99-A762	0.0929	0.065 (10000x)	0.025	112	99-A751	38	41	8
Cadmium	99-A748	0.0246	0.0002(10000x)	0.025	98	99-A730	9.0	9.5	5
	99-A762	0.0266	0.0009(10000x)	0.025	103	99-A751	4.4	4.1	7
Lead	99-A748	0.0387	0.0134(10000x)	0.025	101	99-A730	1000	1100	10
	99-A762	0.113	0.0836(10000x)	0.025	118	99-A751	310	329	6
Zinc	99-A748	0.0687	0.020(10000x)	0.050	97	99-A730	290	296	2
	99-A762	0.086	0.035(10000x)	0.050	102	99-A751	570	576	1

%R = [SSR-SR/SA] x 100
RPD = [S-D] /([S+D])/2

Approved: [illegible]
Date: 3/1/99

000021

QUALITY ASSURANCE LABORATORY
ENVIRONMENTAL RESEARCH CENTER

UNIVERSITY OF NEVADA, LAS VEGAS
4505 MARYLAND PARKWAY • LAS VEGAS, NEVADA 89154 • (702) 739-3142

June 3, 1987

SOLID LABORATORY CONTROL SAMPLE LCS (0287)

The solid laboratory control sample LCS (0287) was prepared by the UNLV Quality Assurance Laboratory. The "True Value" concentrations were derived from the results of an EPA multi-laboratory analysis of the solid material by Contract Laboratory Program procedures. The "True Value" concentrations are given in Table 1.

TABLE 1. "TRUE VALUE" CONCENTRATIONS AND CONTROL LIMITS FOR THE ELEMENTS IN THE SOLID LABORATORY CONTROL SAMPLE LCS (0287)

Element	"True Value" (mg/kg)	Control Limits (mg/kg)		
Al	325	225	to	424
Sb	211	127	to	294
As	917	635	to	1199
Ba *	[4.8]	0	to	40
Be	19.4	16.5	to	22.3
Cd	45.4	35.7	to	55.1
Ca	196200	166800	to	225600
Cr	99.6	79.2	to	120
Co	144	125	to	162
Cu	6910	6006	to	7820
Fe	22430	17770	to	27080
Pb	236	188	to	285
Mg	118100	100400	to	129900
Mn	208	177	to	239
Hg	12.7	8.5	to	17.0
Ni	60.9	49.2	to	72.6
K *	[50]	0	to	1000
Ag	22.2	15.5	to	29.0
Se	39.2	19.1	to	59.4
Na *	[50]	0	to	1000
Tl	39.0	24.6	to	53.5
V	65.8	51.7	to	79.9
Zn	187	138	to	236

[x] Denotes values which are greater than or equal to the instrument detection limit but less than the contract required detection limit.

* Values for these elements are below the CRDL and the windows are given for advisory purposes only.

ERC

Acculabs Inc.

F 8741 Rev.__

SAMPLE DIGESTION SOIL (01)

Analysis: Acid Dig - Solids

Digestion Date: 2-3-99

Procedure No. I090220

Hot Plate Temp. 85 °C

Analyst: RR

Method No.: 3050

Sample ID	Sample Weight (g)		Matrix	Final Volume (mL)
	As Received	Dried		
MB	—		—	50
SOIL-SRM	0.2541		SOIL	
02790-SM-A730	0.5015			
↓ /R	0.5016			
731	0.4979			
732	0.4992			
733	0.4990			
734	0.5045			
735	0.5008			
736	0.5014			
737	0.5013			
738	0.5034			
739	0.5043			
740	0.4972			
741	0.4970			
742	0.5022			
743	0.4982			
744	0.5029			
745	0.4965			
746	0.5032			
747	0.5015			
748	0.4987			

Comments:

QC Checked: mm

F 8741 Rev.__

SAMPLE DIGESTION SOIL (01)

Analysis: Acid Dig - Solids

Digestion Date: 2-3-99

Procedure No. I09022C

Hot Plate Temp. 85 °C

Analyst: BR

Method No.: 350

Sample ID	Sample Weight (g)		Matrix	Final Volume (mL)
	As Received	Dried		
MB	—	—	—	50
SOIL-SRM	0.2527		SOIL	
99-A749	0.5034			
750	0.4992			
751	0.5031			
d /R	0.5012			
752	0.5005			
753	0.5049			
754	0.4997			
755	0.4956			
27903 - BR ~~756~~ 759	0.4997			
BR ~~757~~ 760	0.5046			
BR ~~758~~ 761	0.5045			
BR ~~759~~ 762	0.5033			
BR ~~760~~				
BR ~~761~~				
BR ~~762~~			BR	BR

Comments:

QC Checked: M.M

Acculabs Inc. F8625 Rev. B

Date: 2-24-99

AL # 27901, 27903, (Part.)

Analyst: MG/M.M.

ICP-MS COVER SHEET

Perkin-Elmer/Sciex Elan 5000 Control #I073
Procedure #I09029___ EPA Method 200.8
Procedure #I09035_A_ SW846 Method 6020

Std. Prep Log #	Expiration Date	Blank
		Std#1
M50506	3-2-99	10.0 ppb As, Ba, Be, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Tl, V, Zn 1.0 ppb, Ag, Cd, Th, U
M50507	3-2-99	Std#2 200.0 ppb As, Ba, Be, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Tl, V, Zn 20.0 ppb, Ag, Cd, Th, U
		MSG Std#1 10 ppb Ag, As, Bi, Cd, Cu, Pb, Sb, Sn
		MSG Std#2 200 ppb Ag, As, Bi, Cd, Cu, Pb, Sb, Sn
		LiCs Std#1 10 ppb
		LiCs Std#2 200 ppb
		Other:
		Calibration Verification
M13-20	3-10-99	ICP-MS CV 100 ppb As,Ba,Be, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se,Th, Tl, V, Zn 10 ppb, Ag, Cd, U
		MSG-CV 100 ppb Ag, As, Bi, Cd, Cu, Pb, Sb, Sn
		Other:

Method Detection Limits (μ/L)

Ag	0.5	Bi	1.0	Cs	1.0	Mo	1.0	Se	5.0	U	0.1
As	1.0	Cd	0.1	Cu	1.0	Ni	5.0	Sn	1.0	V	5.0
Ba	1.0	Co	0.1	Li	5.0	Pb	1.0	Th	0.5	Zn	5.0
Ba	1.0	Cr	1.0	Mn	1.0	Sb	1.0	Tl	1.0		___

Reviewed & Approved: M.M.

Sample Entry Report

Data Set: 22499B
Data Set Description:

Sample Id	Type	Seq #	AS Pos.
STD0	Standard	1	1
STD1	Standard	2	1
STD2	Standard	3	1
ICV	Sample	4	1
ICB	Sample	5	1
ICS A	Sample	6	1
ICS AB	Sample	7	1
MB	Sample	8	1
MB	Sample	9	1
SRM 0287	Sample	10	1
99-A730	Sample	11	1
99-A730	Sample	12	1
99-A730 MD	Sample	13	1
99-A730 MD	Sample	14	1
CCV	Sample	15	1
CCB	Sample	16	1
CCB	Sample	17	1
RINSE	Sample	18	1
STD0	Standard	19	1
STD1	Standard	20	1
STD2	Standard	21	1
CCV	Sample	22	1
CCV	Sample	23	1
CCB	Sample	24	1
99-A731	Sample	25	1
99-A731	Sample	26	1
99-A732	Sample	27	1
99-A732	Sample	28	1
99-A733	Sample	29	1
99-A733	Sample	30	1
99-A733	Sample	31	1
99-A734	Sample	32	1
99-A735	Sample	33	1
99-A736	Sample	34	1
CCV	Sample	35	1
CCB	Sample	36	1
99-A736	Sample	37	1
99-A737	Sample	38	1
99-A738	Sample	39	1
99-A739	Sample	40	1
99-A~~739~~740 MS 2-24-99	Sample	41	1
99-A741	Sample	42	1
99-A742	Sample	43	1
99-A743	Sample	44	1
99-A744	Sample	45	1
99-A744	Sample	46	1
CCV	Sample	47	1
CCB	Sample	48	1
99-A745	Sample	49	1
99-A746	Sample	50	1
99-A747	Sample	51	1
99-A748	Sample	52	1
99-A748 MS	Sample	53	1
99-A748 MSD	Sample	54	1
MB #2	Sample	55	1
SRM 0287	Sample	56	1
99-A749	Sample	57	1
99-A750	Sample	58	1
CCV	Sample	59	1
CCB	Sample	60	1
99-A751	Sample	61	1
99-A751 MD	Sample	62	1
99-A752	Sample	63	1
99-A753	Sample	64	1
99-A754	Sample	65	1
99-A755	Sample	66	1
99-A759	Sample	67	1
99-A760	Sample	68	1
99-A761	Sample	69	1
99-A761	Sample	70	1
CCV	Sample	71	1
CCB	Sample	72	1
99-A762	Sample	73	1
99-A762 MS	Sample	74	1
99-A762 MSD PDS	Sample	75	1
CCV	Sample	76	1
CCB	Sample	77	1

027901

027903

No data reported 3/1/99 GA

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	STD0
Sample Description:	
Sample Type:	Standard
Sequence Number:	001
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	14:54:57 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	81	9.9475	0	0.0000
Ge 73	80995	469.9674	0	0.0000
As 75	-57	23.9355	0	0.0000
Cd 111	7	0.5710	0	0.0000
In 115	163531	1009.1704	0	0.0000
Pb 208	191	11.1058	0	0.0000
Bi 209	314944	1926.2511	0	0.0000
Cl 35	2033	85.8321	0	0.0000
Ca 44	39	5.1316	0	0.0000
Ti 47	211	15.2755	0	0.0000
Br 81	5050	15.7218	0	0.0000
Kr 83	20	4.0415	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		1.000E-03	1.228E-04			ppb	
Ge 73	<	80995	469.9674			ions/sec	
As 75		-7.072E-04	2.955E-04			ppb	
Cd 111		4.447E-05	3.491E-06			ppb	
In 115	<	163531	1009.1704			ions/sec	
Pb 208		6.063E-04	3.526E-05			ppb	
Bi 209	<	314944	1926.2511			ions/sec	
Cl 35		2033	85.8321				
Ca 44		39	5.1316				
Ti 47		211	15.2755				
Br 81		5050	15.7218				
Kr 83		20	4.0415				

		Entered Conc.
Zn 66		0.0000
Ge 73	<	
As 75		0.0000
Cd 111		0.0000
In 115	<	
Pb 208		0.0000
Bi 209	<	
Cl 35		
Ca 44		
Ti 47		
Br 81		
Kr 83		

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	STD1
Sample Description:	
Sample Type:	Standard
Sequence Number:	002
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	14:58:31 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	3218	77.8343	0	0.0000
Ge 73	80939	1115.3102	0	0.0000
As 75	2581	113.9701	0	0.0000
Cd 111	520	17.7529	0	0.0000
In 115	164493	2423.4797	0	0.0000
Pb 208	71173	2342.3574	0	0.0000
Bi 209	319530	6295.6157	0	0.0000
Cl 35	1799	6.0835	0	0.0000
Ca 44	60	2.8867	0	0.0000
Ti 47	268	5.0349	0	0.0000
Br 81	4991	100.9698	0	0.0000
Kr 83	23	5.5076	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.0398	9.616E-04	10.0000	0.2481	ppb	2.4810
Ge 73	<	80939	1115.3102			ions/sec	
As 75		0.0319	1.408E-03	10.0000	0.4320	ppb	4.3199
Cd 111		3.160E-03	1.079E-04	1.0000	0.0346	ppb	3.4646
In 115	<	164493	2423.4797			ions/sec	
Pb 208		0.2227	7.331E-03	10.0000	0.3300	ppb	3.3000
Bi 209	<	319530	6295.6157			ions/sec	
Cl 35		1799	6.0835				
Ca 44		60	2.8867				
Ti 47		268	5.0349				
Br 81		4991	100.9698				
Kr 83		23	5.5076				

		Entered Conc.
Zn 66		10.0000
Ge 73	<	
As 75		10.0000
Cd 111		1.0000
In 115	<	
Pb 208		10.0000
Bi 209	<	
Cl 35		
Ca 44		
Ti 47		
Br 81		
Kr 83		

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	STD2
Sample Description:	
Sample Type:	Standard
Sequence Number:	003
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:00:49 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	57924	101.0930	0	0.0000
Ge 73	81034	504.8353	0	0.0000
As 75	53529	330.6150	0	0.0000
Cd 111	9685	94.1303	0	0.0000
In 115	163133	2234.0286	0	0.0000
Pb 208	1390279	2.462E+04	0	0.0000
Bi 209	319974	7483.4775	0	0.0000
Cl 35	1621	27.5118	0	0.0000
Ca 44	39	4.3589	0	0.0000
Ti 47	231	15.1439	0	0.0000
Br 81	4953	77.1176	0	0.0000
Kr 83	26	7.0000	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	<]	0.7148	1.248E-03	199.9774	0.3503	ppb	0.1751
Ge 73		81034	504.8353			ions/sec	
As 75		0.6606	4.080E-03	200.0037	1.2335	ppb	0.6168
Cd 111	<]	0.0594	5.770E-04	19.9987	0.1948	ppb	0.9739
In 115		163133	2234.0286			ions/sec	
Pb 208	<]	4.3450	0.0769	199.9940	3.5439	ppb	1.7720
Bi 209		319974	7483.4775			ions/sec	
Cl 35		1621	27.5118				
Ca 44		39	4.3589				
Ti 47		231	15.1439				
Br 81		4953	77.1176				
Kr 83		26	7.0000				

		Entered Conc.
Zn 66	<]	200.0000
Ge 73		
As 75		200.0000
Cd 111	<]	20.0000
In 115		
Pb 208	<]	200.0000
Bi 209		
Cl 35		
Ca 44		
Ti 47		
Br 81		
Kr 83		

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	ICV
Sample Description:	
Sample Type:	Sample
Sequence Number:	004
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:03:46 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	29391	358.7345	0	0.0000
Ge 73	80282	1241.5979	0	0.0000
As 75	26225	451.1375	0	0.0000
Cd 111	4866	107.8278	0	0.0000
In 115	160645	1409.0925	0	0.0000
Pb 208	683890	3861.4380	0	0.0000
Bi 209	317452	794.2506	0	0.0000
Cl 35	1456	64.0587	0	0.0000
Ca 44	119	12.7672	0	0.0000
Ti 47	265	7.7681	0	0.0000
Br 81	4830	85.7477	0	0.0000
Kr 83	17	2.5166	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.3661	4.468E-03	102.0724	102%	1.2545	ppb	1.2291
Ge 73	<	80282	1241.5979				ions/sec	
As 75		0.3267	5.619E-03	99.0480	99%	1.6990	ppb	1.7153
Cd 111	<	0.0303	6.712E-04	10.1838	102%	0.2266	ppb	2.2247
In 115		160645	1409.0925				ions/sec	
Pb 208	<	2.1543	0.0122	99.0895	99%	0.5603	ppb	0.5654
Bi 209		317452	794.2506				ions/sec	
Cl 35		1456	64.0587					
Ca 44		119	12.7672					
Ti 47		265	7.7681					
Br 81		4830	85.7477					
Kr 83		17	2.5166					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	ICB
Sample Description:	
Sample Type:	Sample
Sequence Number:	005
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:06:51 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	84	8.8044	0	0.0000
Ge 73	81303	478.1059	0	0.0000
As 75	-37	15.3518	0	0.0000
Cd 111	10	3.0036	0	0.0000
In 115	160511	964.1979	0	0.0000
Pb 208	930	111.4935	0	0.0000
Bi 209	319938	1611.4521	0	0.0000
Cl 35	1316	28.8757	0	0.0000
Ca 44	30	7.0000	0	0.0000
Ti 47	237	17.4359	0	0.0000
Br 81	4828	65.4791	0	0.0000
Kr 83	24	2.5166	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		1.032E-03	1.083E-04	-0.4206	ok	0.0304	ppb	7.2281
Ge 73	<	81303	478.1059				ions/sec	
As 75		-4.597E-04	1.888E-04	0.1455	ok	0.0571	ppb	39.2388
Cd 111		5.927E-05	1.871E-05	-0.0201	ok	6.316E-03	ppb	31.4806
In 115	<	160511	964.1979				ions/sec	
Pb 208		2.905E-03	3.485E-04	-7.105E-03	ok	0.0161	ppb	225.9334
Bi 209	<	319938	1611.4521				ions/sec	
Cl 35		1316	28.8757					
Ca 44		30	7.0000					
Ti 47		237	17.4359					
Br 81		4828	65.4791					
Kr 83		24	2.5166					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	ICS A
Sample Description:	S5753 (10X)
Sample Type:	Sample
Sequence Number:	006
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:10:47 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	615	42.3980	0	0.0000
Ge 73	88398	1993.3021	0	0.0000
As 75	-108	65.3921	0	0.0000
Cd 111	-70	64.9558	0	0.0000
In 115	168798	2006.6515	0	0.0000
Pb 208	7490	100.3123	0	0.0000
Bi 209	261716	5491.0786	0	0.0000
Cl 35	12050	445.8022	0	0.0000
Ca 44	123321	6038.8594	0	0.0000
Ti 47	373963	3074.7578	0	0.0000
Br 81	6101	15.7229	0	0.0000
Kr 83	111	19.0527	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	]	6.956E-03	4.796E-04	1.2425	0.1347	ppb	10.8377
Ge 73	<	88398	1993.3021			ions/sec	
As 75	]	-1.225E-03	7.397E-04	-0.0859	0.2237	ppb	260.3382
Cd 111	]	-4.169E-04	3.848E-04	-0.1808	0.1299	ppb	71.8419
In 115	<	168798	2006.6515			ions/sec	
Pb 208	]	0.0286	3.833E-04	1.1773	0.0177	ppb	1.4996
Bi 209	<	261716	5491.0786			ions/sec	
Cl 35		12050	445.8022				
Ca 44		123321	6038.8594				
Ti 47		373963	3074.7578				
Br 81		6101	15.7229				
Kr 83		111	19.0527				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	ICS AB
Sample Description:	S5753 (10X) S5745 (100X)
Sample Type:	Sample
Sequence Number:	007
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:13:43 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	6697	95.7350	0	0.0000
Ge 73	89855	773.4720	0	0.0000
As 75	6345	165.3597	0	0.0000
Cd 111	9672	238.8087	0	0.0000
In 115	171754	3451.3816	0	0.0000
Pb 208	7030	144.0001	0	0.0000
Bi 209	264103	6785.3457	0	0.0000
Cl 35	9602	36.2281	0	0.0000
Ca 44	96318	1205.8206	0	0.0000
Ti 47	340411	2264.4512	0	0.0000
Br 81	5932	53.7260	0	0.0000
Kr 83	107	1.5275	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0745	1.065E-03	20.2143	101%	0.2991	ppb	1.4798
Ge 73	<	89855	773.4720				ions/sec	
As 75		0.0706	1.840E-03	21.6334	108%	0.5564	ppb	2.5719
Cd 111		0.0563	1.390E-03	18.9665	95%	0.4693	ppb	2.4744
In 115	<	171754	3451.3816				ions/sec	
Pb 208		0.0266	5.452E-04	1.0851		0.0251	ppb	2.3145
Bi 209	<	264103	6785.3457				ions/sec	
Cl 35		9602	36.2281					
Ca 44		96318	1205.8206					
Ti 47		340411	2264.4512					
Br 81		5932	53.7260					
Kr 83		107	1.5275					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set: 22499B
Data Set Description:
Parameter File: ISSI

Sample ID: MB
Sample Description: 1/09
Sample Type: Sample
Sequence Number: 008
Blank: Not Subtracted
Dilution Factor: 1
Number of Repeats: 3
Time: 15:17:11 Feb 24 1999
Signal Profile Processing: Average
Spectral Peak Processing: Average
Deadtime Correction: 35

Calibration File: [Untitled]
Calibration: External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	2184	14.2538	0	0.0000
Ge 73	86833	1140.2828	0	0.0000
As 75	-21	16.3526	0	0.0000
Cd 111	44	7.0216	0	0.0000
In 115	179175	1011.6766	0	0.0000
Pb 208	4618	113.4242	0	0.0000
Bi 209	348479	1783.7527	0	0.0000
Cl 35	1367	23.0637	0	0.0000
Ca 44	594	14.4344	0	0.0000
Ti 47	545	18.4470	0	0.0000
Br 81	4999	80.6680	0	0.0000
Kr 83	22	7.0000	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	0.0252	1.642E-04	6.3509	RR	0.0461	ppb	0.7257
Ge 73	<	86833	1140.2828				ions/sec	
As 75	]	-2.382E-04	1.883E-04	0.2125	OK	0.0569	ppb	26.7982
Cd 111	]	2.446E-04	3.919E-05	0.0425	OK	0.0132	ppb	31.1313
In 115	<	179175	1011.6766				ions/sec	
Pb 208	]	0.0133	3.255E-04	0.4694	OK	0.0150	ppb	3.1938
Bi 209	<	348479	1783.7527				ions/sec	
Cl 35		1367	23.0637					
Ca 44		594	14.4344					
Ti 47		545	18.4470					
Br 81		4999	80.6680					
Kr 83		22	7.0000					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	MB
Sample Description:	1/09
Sample Type:	Sample
Sequence Number:	009
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:22:08 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	2239	39.2790	0	0.0000
Ge 73	88069	556.3548	0	0.0000
As 75	-26	37.0066	0	0.0000
Cd 111	63	8.5071	0	0.0000
In 115	180656	1467.7974	0	0.0000
Pb 208	4489	91.7024	0	0.0000
Bi 209	341607	5180.5493	0	0.0000
Cl 35	1430	47.7194	0	0.0000
Ca 44	597	23.0645	0	0.0000
Ti 47	458	16.4635	0	0.0000
Br 81	4884	68.2459	0	0.0000
Kr 83	18	5.2915	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	]	0.0254	4.460E-04	6.4269	0.1252	ppb	1.9483
Ge 73	<	88069	556.3548			ions/sec	
As 75	]	-2.966E-04	4.202E-04	0.1948	0.1270	ppb	65.2168
Cd 111	]	3.484E-04	4.709E-05	0.0775	0.0159	ppb	20.5054
In 115	<	180656	1467.7974			ions/sec	
Pb 208	]	0.0131	2.684E-04	0.4644	0.0124	ppb	2.6627
Bi 209	<	341607	5180.5493			ions/sec	
Cl 35		1430	47.7194				
Ca 44		597	23.0645				
Ti 47		458	16.4635				
Br 81		4884	68.2459				
Kr 83		18	5.2915				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	SRM 0287
Sample Description:	(0.25:50)(0.1:10) 1/09
Sample Type:	Sample
Sequence Number:	010
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:26:58 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	3097	36.4883	0	0.0000
Ge 73	96425	517.1103	0	0.0000
As 75	15701	107.4964	0	0.0000
Cd 111	1224	33.9018	0	0.0000
In 115	183954	711.6822	0	0.0000
Pb 208	76825	334.6945	0	0.0000
Bi 209	331997	608.0429	0	0.0000
Cl 35	1033	86.6323	0	0.0000
Ca 44	12205	121.9748	0	0.0000
Ti 47	476	8.5443	0	0.0000
Br 81	4666	51.0922	0	0.0000
Kr 83	20	3.2146	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	]	0.0321	3.784E-04	8.3056 166 OK	0.1062	ppb	1.2791
Ge 73	<]	96425	517.1103			ions/sec	
As 75		0.1628	1.115E-03	49.5160 990 OK	0.3371	ppb	0.6807
Cd 111	]	6.654E-03	1.843E-04	2.2059 44 OK	0.0622	ppb	2.8199
In 115	<]	183954	711.6822			ions/sec	
Pb 208	]	0.2314	1.008E-03	10.5177 210 OK	0.0464	ppb	0.4415
Bi 209	<]	331997	608.0429			ions/sec	
Cl 35		1033	86.6323				
Ca 44		12205	121.9748				
Ti 47		476	8.5443				
Br 81		4666	51.0922				
Kr 83		20	3.2146				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A730
Sample Description:	27901 (0.5:50)
Sample Type:	Sample
Sequence Number:	011
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:33:15 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

		Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66		630105	9022.0313	0	0.0000
Ge 73		89442	832.9326	0	0.0000
As 75	>	2999125	2.804E+04	0	0.0000
Cd 111		60531	757.0967	0	0.0000
In 115		225921	984.9960	0	0.0000
Pb 208	>	9001965	1.624E+05	0	0.0000
Bi 209		357181	6478.6675	0	0.0000
Cl 35		1213	97.3477	0	0.0000
Ca 44		54662	758.4384	0	0.0000
Ti 47		525379	6446.5190	0	0.0000
Br 81		11234	77.7167	0	0.0000
Kr 83		147	11.9306	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		7.0448	0.1009	1977.1554	DNR	28.3197	ppb	1.4323
Ge 73	<	89442	832.9326				ions/sec	
As 75		33.5314	0.3135	1.014E+04	DNR	94.7812	ppb	0.9349
Cd 111		0.2679	3.351E-03	90.3949	9.0 ~~0.010~~ DNR 1-24-99	1.1311	ppb	1.2513
In 115	<	225921	984.9960				ions/sec	
Pb 208		25.2028	0.4547	1160.7317	DNR	20.9429	ppb	1.8043
Bi 209	<	357181	6478.6675				ions/sec	
Cl 35		1213	97.3477					
Ca 44		54662	758.4384					
Ti 47		525379	6446.5190					
Br 81		11234	77.7167					
Kr 83		147	11.9306					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A730
Sample Description:	27901 (0.5:50)(0.1:20)
Sample Type:	Sample
Sequence Number:	012
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:41:16 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	4965	45.2445	0	0.0000
Ge 73	92430	412.6239	0	0.0000
As 75	28352	189.1683	0	0.0000
Cd 111	393	22.4317	0	0.0000
In 115	178611	1143.7390	0	0.0000
Pb 208	352506	1969.4729	0	0.0000
Bi 209	311239	1973.4342	0	0.0000
Cl 35	688	17.0961	0	0.0000
Ca 44	301	20.0087	0	0.0000
Ti 47	3014	62.1624	0	0.0000
Br 81	4891	128.6030	0	0.0000
Kr 83	22	5.5076	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	]	0.0537	4.895E-04	14.3704 290	0.1374	ppb	0.9563
Ge 73	<]	92430	412.6239			ions/sec	
As 75		0.3067	2.047E-03	93.0254 1900	0.6188	ppb	0.6652
Cd 111	]	2.198E-03	1.256E-04	0.7017	0.0424	ppb	6.0408
In 115	<]	178611	1143.7390			ions/sec	
Pb 208	]	1.1326	6.328E-03	52.0277 1000	0.2915	ppb	0.5602
Bi 209	<]	311239	1973.4342			ions/sec	
Cl 35		688	17.0961				
Ca 44		301	20.0087				
Ti 47		3014	62.1624				
Br 81		4891	128.6030				
Kr 83		22	5.5076				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A730 MD
Sample Description:	27901 (0.5:50)(0.1:20)
Sample Type:	Sample
Sequence Number:	013
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:48:28 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	5225	3.4722	0	0.0000
Ge 73	94765	219.5455	0	0.0000
As 75	29450	186.8184	0	0.0000
Cd 111	401	30.5705	0	0.0000
In 115	182935	459.2108	0	0.0000
Pb 208	369438	1593.5465	0	0.0000
Bi 209	320041	3266.4114	0	0.0000
Cl 35	629	12.0575	0	0.0000
Ca 44	302	5.5077	0	0.0000
Ti 47	2855	49.1050	0	0.0000
Br 81	4819	104.0412	0	0.0000
Kr 83	16	0.5774	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	% RPD	Std. Dev.		% RSD
Zn 66		0.0551	3.664E-05	14.7705	2.3%	0.0103	ppb	0.0696
Ge 73	<	94765	219.5455				ions/sec	
As 75		0.3108	1.971E-03	94.2422	1.3%	0.5960	ppb	0.6324
Cd 111		2.190E-03	1.671E-04	0.6992	DNR	0.0564	ppb	8.0667
In 115	<	182935	459.2108				ions/sec	
Pb 208		1.1543	4.979E-03	53.0298	1.9%	0.2293	ppb	0.4325
Bi 209	<	320041	3266.4114				ions/sec	
Cl 35		629	12.0575					
Ca 44		302	5.5077					
Ti 47		2855	49.1050					
Br 81		4819	104.0412					
Kr 83		16	0.5774					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A730 MD
Sample Description:	27901 (0.5:50) (~~0.1:20~~) mr 2.1577
Sample Type:	Sample
Sequence Number:	014
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:52:35 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

		Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66		698166	4033.8542	0	0.0000
Ge 73		92137	495.5541	0	0.0000
As 75	>	2999115	1.616E+04	0	0.0000
Cd 111		64648	553.7784	0	0.0000
In 115		228933	1360.0291	0	0.0000
Pb 208	>	9000335	6.707E+04	0	0.0000
Bi 209		350976	2624.3977	0	0.0000
Cl 35		827	35.8131	0	0.0000
Ca 44		54666	618.1620	0	0.0000
Ti 47		485699	3964.0930	0	0.0000
Br 81		10088	79.4829	0	0.0000
Kr 83		128	7.9374	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	% RPD	Std. Dev.		% RSD
Zn 66		7.5775	0.0438	2126.7073	DNR	12.2918	ppb	0.5780
Ge 73	<	92137	495.5541				ions/sec	
As 75		32.5508	0.1754	9841.7236	DNR	53.0436	ppb	0.5390
Cd 111		0.2824	2.419E-03	95.2745	5.3%	0.8165	ppb	0.8570
In 115	<	228933	1360.0291				ions/sec	
Pb 208		25.6437	0.1911	1181.0416	DNR	8.8027	ppb	0.7453
Bi 209	<	350976	2624.3977				ions/sec	
Cl 35		827	35.8131					
Ca 44		54666	618.1620					
Ti 47		485699	3964.0930					
Br 81		10088	79.4829					
Kr 83		128	7.9374					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCV
Sample Description:	M13-20
Sample Type:	Sample
Sequence Number:	015
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	15:56:34 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	33339	243.6381	0	0.0000
Ge 73	94528	267.8268	0	0.0000
As 75	31188	127.6505	0	0.0000
Cd 111	5417	184.9330	0	0.0000
In 115	182179	1064.9886	0	0.0000
Pb 208	673850	5692.0283	0	0.0000
Bi 209	311983	3381.0767	0	0.0000
Cl 35	588	16.2908	0	0.0000
Ca 44	89	4.5094	0	0.0000
Ti 47	306	19.0355	0	0.0000
Br 81	4896	83.0717	0	0.0000
Kr 83	25	8.3267	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.3527	2.577E-03	98.3092	98%	0.7236	ppb	0.7361
Ge 73	<	94528	267.8268				ions/sec	
As 75		0.3299	1.350E-03	100.0369	100%	0.4083	ppb	0.4081
Cd 111		0.0297	1.015E-03	9.9963	100%	0.3426	ppb	3.4276
In 115	<	182179	1064.9886				ions/sec	
Pb 208		2.1599	0.0182	99.3467	99%	0.8404	ppb	0.8459
Bi 209	<	311983	3381.0767				ions/sec	
Cl 35		588	16.2908					
Ca 44		89	4.5094					
Ti 47		306	19.0355					
Br 81		4896	83.0717					
Kr 83		25	8.3267					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCB
Sample Description:	
Sample Type:	Sample
Sequence Number:	016
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:00:46 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	191	23.5432	0	0.0000
Ge 73	94557	418.1159	0	0.0000
As 75	673	57.0012	0	0.0000
Cd 111	20	6.9186	0	0.0000
In 115	182663	925.4168	0	0.0000
Pb 208	3049	299.0420	0	0.0000
Bi 209	318339	6827.4482	0	0.0000
Cl 35	549	29.2996	0	0.0000
Ca 44	29	4.0415	0	0.0000
Ti 47	302	16.4624	0	0.0000
Br 81	4785	38.1967	0	0.0000
Kr 83	22	8.0000	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	2.021E-03	2.490E-04	-0.1432	OK	0.0699	ppb	48.8083
Ge 73	<	94557	418.1159				ions/sec	
As 75	]	7.116E-03	6.028E-04	2.4358	carry over	0.1823	ppb	7.4824
Cd 111	]	1.114E-04	3.788E-05	-2.457E-03	OK	0.0128	ppb	520.3917
In 115	<	182663	925.4168				ions/sec	
Pb 208	]	9.577E-03	9.394E-04	0.3002	OK	0.0433	ppb	14.4141
Bi 209	<	318339	6827.4482				ions/sec	
Cl 35		549	29.2996					
Ca 44		29	4.0415					
Ti 47		302	16.4624					
Br 81		4785	38.1967					
Kr 83		22	8.0000					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCB
Sample Description:	
Sample Type:	Sample
Sequence Number:	017
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:05:14 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	187	2.9988	0	0.0000
Ge 73	94840	699.7156	0	0.0000
As 75	428	15.4984	0	0.0000
Cd 111	17	2.9956	0	0.0000
In 115	182099	340.8081	0	0.0000
Pb 208	752	80.3306	0	0.0000
Bi 209	316739	2691.4719	0	0.0000
Cl 35	544	19.7314	0	0.0000
Ca 44	29	4.3589	0	0.0000
Ti 47	273	7.3718	0	0.0000
Br 81	4707	71.0610	0	0.0000
Kr 83	24	4.0000	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	]	1.967E-03	3.162E-05	-0.1583	8.877E-03	ppb	5.6069
Ge 73	<	94840	699.7156			ions/sec	
As 75	]	4.515E-03	1.634E-04	1.6495 ck sample >5x	0.0494	ppb	2.9953
Cd 111	]	9.227E-05	1.645E-05	-8.922E-03	5.553E-03	ppb	62.2307
In 115	<	182099	340.8081			ions/sec	
Pb 208	]	2.375E-03	2.536E-04	-0.0315	0.0117	ppb	37.0466
Bi 209	<	316739	2691.4719			ions/sec	
Cl 35		544	19.7314				
Ca 44		29	4.3589				
Ti 47		273	7.3718				
Br 81		4707	71.0610				
Kr 83		24	4.0000				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	RINSE
Sample Description:	
Sample Type:	Sample
Sequence Number:	018
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:10:44 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	168	5.1382	0	0.0000
Ge 73	94991	385.0779	0	0.0000
As 75	298	9.7223	0	0.0000
Cd 111	16	3.6682	0	0.0000
In 115	180965	781.6119	0	0.0000
Pb 208	559	22.8811	0	0.0000
Bi 209	316483	3568.0686	0	0.0000
Cl 35	516	39.4007	0	0.0000
Ca 44	27	1.0000	0	0.0000
Ti 47	260	14.8443	0	0.0000
Br 81	4764	41.5631	0	0.0000
Kr 83	24	6.4291	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	]	1.764E-03	5.409E-05	-0.2153	0.0152	ppb	7.0543
Ge 73	<	94991	385.0779			ions/sec	
As 75	]	3.140E-03	1.023E-04	1.2339	0.0309	ppb	2.5078
Cd 111	]	8.776E-05	2.027E-05	-0.0104	6.842E-03	ppb	65.4978
In 115	<	180965	781.6119			ions/sec	
Pb 208	]	1.765E-03	7.230E-05	-0.0596	3.330E-03	ppb	5.5832
Bi 209	<	316483	3568.0686			ions/sec	
Cl 35		516	39.4007				
Ca 44		27	1.0000				
Ti 47		260	14.8443				
Br 81		4764	41.5631				
Kr 83		24	6.4291				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	STD0
Sample Description:	
Sample Type:	Standard
Sequence Number:	019
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:14:44 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	151	9.7333	0	0.0000
Ge 73	94565	324.8785	0	0.0000
As 75	222	29.1445	0	0.0000
Cd 111	12	4.4292	0	0.0000
In 115	182597	922.1920	0	0.0000
Pb 208	408	29.8258	0	0.0000
Bi 209	313384	1313.7058	0	0.0000
Cl 35	466	3.0551	0	0.0000
Ca 44	28	4.5093	0	0.0000
Ti 47	268	26.2113	0	0.0000
Br 81	4777	63.8547	0	0.0000
Kr 83	25	5.2915	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	<]	1.595E-03	1.029E-04	-0.3507	0.0289	ppb	8.2430
Ge 73		94565	324.8785			ions/sec	
As 75		2.350E-03	3.082E-04	0.5099	0.0934	ppb	18.3225
Cd 111	<]	6.529E-05	2.426E-05	-0.0217	8.189E-03	ppb	37.6791
In 115		182597	922.1920			ions/sec	
Pb 208	<]	1.303E-03	9.517E-05	-0.0978	4.384E-03	ppb	4.4825
Bi 209		313384	1313.7058			ions/sec	
Cl 35		466	3.0551				
Ca 44		28	4.5093				
Ti 47		268	26.2113				
Br 81		4777	63.8547				
Kr 83		25	5.2915				

		Entered Conc.
Zn 66	<]	0.0000
Ge 73		
As 75		0.0000
Cd 111	<]	0.0000
In 115		
Pb 208	<]	0.0000
Bi 209		
Cl 35		
Ca 44		
Ti 47		
Br 81		
Kr 83		

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	STD1
Sample Description:	
Sample Type:	Standard
Sequence Number:	020
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:17:50 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	3833	127.4410	0	0.0000
Ge 73	94844	1493.3038	0	0.0000
As 75	3434	78.0217	0	0.0000
Cd 111	588	39.0506	0	0.0000
In 115	183733	3126.9988	0	0.0000
Pb 208	70368	2595.7080	0	0.0000
Bi 209	316379	8389.9609	0	0.0000
Cl 35	482	14.2243	0	0.0000
Ca 44	40	5.5678	0	0.0000
Ti 47	313	33.2324	0	0.0000
Br 81	4770	132.3673	0	0.0000
Kr 83	28	4.9329	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	<]	0.0404	1.344E-03	10.4660	0.3776	ppb	3.6077
Ge 73		94844	1493.3038			ions/sec	
As 75		0.0362	8.226E-04	10.1517	0.2501	ppb	2.4639
Cd 111	<]	3.201E-03	2.125E-04	1.0302	0.0718	ppb	6.9673
In 115		183733	3126.9988			ions/sec	
Pb 208	<]	0.2224	8.204E-03	10.0950	0.3779	ppb	3.7437
Bi 209		316379	8389.9609			ions/sec	
Cl 35		482	14.2243				
Ca 44		40	5.5678				
Ti 47		313	33.2324				
Br 81		4770	132.3673				
Kr 83		28	4.9329				

		Entered Conc.
Zn 66	<]	10.0000
Ge 73		
As 75		10.0000
Cd 111	<]	1.0000
In 115		
Pb 208	<]	10.0000
Bi 209		
Cl 35		
Ca 44		
Ti 47		
Br 81		
Kr 83		

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	STD2
Sample Description:	
Sample Type:	Standard
Sequence Number:	021
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:20:23 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	67686	660.9614	0	0.0000
Ge 73	95118	975.9505	0	0.0000
As 75	62000	129.6127	0	0.0000
Cd 111	11020	29.9002	0	0.0000
In 115	182979	1112.2592	0	0.0000
Pb 208	1355470	1.039E+04	0	0.0000
Bi 209	312431	778.8873	0	0.0000
Cl 35	510	26.3131	0	0.0000
Ca 44	32	4.9329	0	0.0000
Ti 47	281	23.0728	0	0.0000
Br 81	4658	137.9261	0	0.0000
Kr 83	31	3.2145	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.7116	6.949E-03	199.9754	1.9618	ppb	0.9810
Ge 73	<	95118	975.9505			ions/sec	
As 75		0.6518	1.363E-03	199.9888	0.4200	ppb	0.2100
Cd 111		0.0602	1.634E-04	19.9989	0.0544	ppb	0.2719
In 115	<	182979	1112.2592			ions/sec	
Pb 208		4.3385	0.0333	199.9949	1.5345	ppb	0.7673
Bi 209	<	312431	778.8873			ions/sec	
Cl 35		510	26.3131				
Ca 44		32	4.9329				
Ti 47		281	23.0728				
Br 81		4658	137.9261				
Kr 83		31	3.2145				

		Entered Conc.
Zn 66		200.0000
Ge 73	<	
As 75		200.0000
Cd 111		20.0000
In 115	<	
Pb 208		200.0000
Bi 209	<	
Cl 35		
Ca 44		
Ti 47		
Br 81		
Kr 83		

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCV
Sample Description:	M13-20
Sample Type:	Sample
Sequence Number:	022
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:23:04 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

		Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66		33929	201.7057	0	0.0000
Ge 73		94896	596.4219	0	0.0000
As 75		30728	68.7911	0	0.0000
Cd 111		5616	899.5723	0	0.0000
In 115	>	168127	2.519E+04	0	0.0000
Pb 208		670224	1.250E+04	0	0.0000
Bi 209		314137	2415.6421	0	0.0000
Cl 35		491	14.7422	0	0.0000
Ca 44		90	9.0001	0	0.0000
Ti 47		299	16.4422	0	0.0000
Br 81		4638	66.6705	0	0.0000
Kr 83		27	4.5093	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.3575	2.126E-03	100.0191	100%	0.6001	ppb	0.6000
Ge 73	<	94896	596.4219				ions/sec	
As 75		0.3238	7.249E-04	98.8764	99%	0.2235	ppb	0.2260
Cd 111		0.0334	5.351E-03	11.0721	11%	1.7805	ppb	16.0807
In 115	<	168127	2.519E+04				ions/sec	
Pb 208		2.1335	0.0398	98.2718	98%	1.8352	ppb	1.8675
Bi 209	<	314137	2415.6421				ions/sec	
Cl 35		491	14.7422					
Ca 44		90	9.0001					
Ti 47		299	16.4422					
Br 81		4638	66.6705					
Kr 83		27	4.5093					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCV
Sample Description:	M13-20
Sample Type:	Sample
Sequence Number:	023
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:26:35 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	33564	401.4644	0	0.0000
Ge 73	95995	70.5409	0	0.0000
As 75	30406	440.4139	0	0.0000
Cd 111	5454	49.8347	0	0.0000
In 115	186434	1487.0386	0	0.0000
Pb 208	672043	9756.5859	0	0.0000
Bi 209	321766	2975.2749	0	0.0000
Cl 35	471	9.2919	0	0.0000
Ca 44	93	14.0477	0	0.0000
Ti 47	307	14.7990	0	0.0000
Br 81	4630	51.8467	0	0.0000
Kr 83	23	1.7321	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.3496	4.182E-03	97.7916	98%	1.1807	ppb	1.2073
Ge 73	<	95995	70.5409				ions/sec	
As 75		0.3167	4.588E-03	96.7006	97%	1.4142	ppb	1.4625
Cd 111		0.0293	2.673E-04	9.6922	97%	0.0889	ppb	0.9177
In 115	<	186434	1487.0386				ions/sec	
Pb 208		2.0886	0.0303	96.1991	96%	1.3989	ppb	1.4542
Bi 209	<	321766	2975.2749				ions/sec	
Cl 35		471	9.2919					
Ca 44		93	14.0477					
Ti 47		307	14.7990					
Br 81		4630	51.8467					
Kr 83		23	1.7321					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCB
Sample Description:	
Sample Type:	Sample
Sequence Number:	024
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:29:57 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	146	8.0659	0	0.0000
Ge 73	94749	485.6295	0	0.0000
As 75	157	69.1367	0	0.0000
Cd 111	12	0.7018	0	0.0000
In 115	182209	975.9698	0	0.0000
Pb 208	901	94.5438	0	0.0000
Bi 209	311437	943.6964	0	0.0000
Cl 35	467	21.6568	0	0.0000
Ca 44	30	11.8463	0	0.0000
Ti 47	271	7.0001	0	0.0000
Br 81	4604	75.2804	0	0.0000
Kr 83	21	2.5166	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	1.543E-03	8.513E-05	-0.4822	ok	0.0240	ppb	4.9838
Ge 73	<]	94749	485.6295				ions/sec	
As 75		1.658E-03	7.297E-04	-0.4267	ok	0.2249	ppb	52.7094
Cd 111	]	6.671E-05	3.851E-06	-0.0207	ok	1.282E-03	ppb	6.2039
In 115	<]	182209	975.9698				ions/sec	
Pb 208	]	2.892E-03	3.036E-04	-0.0246	ok	0.0140	ppb	57.0297
Bi 209	<]	311437	943.6964				ions/sec	
Cl 35		467	21.6568					
Ca 44		30	11.8463					
Ti 47		271	7.0001					
Br 81		4604	75.2804					
Kr 83		21	2.5166					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set: 22499B
Data Set Description:
Parameter File: ISSI

Sample ID: 99-A731
Sample Description: 27901 (0.5:50)
Sample Type: Sample
Sequence Number: 025
Blank: Not Subtracted
Dilution Factor: 1
Number of Repeats: 3
Time: 16:34:02 Feb 24 1999
Signal Profile Processing: Average
Spectral Peak Processing: Average
Deadtime Correction: 35

Calibration File: [Untitled]
Calibration: External Standard

		Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66		741822	2262.5815	0	0.0000
Ge 73		91353	251.7955	0	0.0000
As 75		1791632	6199.4414	0	0.0000
Cd 111		42439	132.5200	0	0.0000
In 115		211116	1128.5903	0	0.0000
Pb 208	>	9000745	1.000E+05	0	0.0000
Bi 209		402030	4475.0918	0	0.0000
Cl 35		615	8.5444	0	0.0000
Ca 44		52161	452.8037	0	0.0000
Ti 47		448071	3143.4470	0	0.0000
Br 81		10797	174.2391	0	0.0000
Kr 83		118	7.9374	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	8.1204	0.0248	2291.5703	DNR	6.9922	ppb	0.3051
Ge 73	<	91353	251.7955				ions/sec	
As 75	]	19.6122	0.0679	6044.6025	DNR	20.9189	ppb	0.3461
Cd 111	]	0.2010	6.277E-04	66.8500		0.2089	ppb	0.3125
In 115	<	211116	1128.5903				ions/sec	
Pb 208	]	22.3882	0.2488	1032.7125	DNR	11.4766	ppb	1.1113
Bi 209	<	402030	4475.0918				ions/sec	
Cl 35		615	8.5444					
Ca 44		52161	452.8037					
Ti 47		448071	3143.4470					
Br 81		10797	174.2391					
Kr 83		118	7.9374					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A731
Sample Description:	27901 (0.5:50)(0.05:10)
Sample Type:	Sample
Sequence Number:	026
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:39:00 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	5512	47.0949	0	0.0000
Ge 73	94300	437.1068	0	0.0000
As 75	12761	115.3357	0	0.0000
Cd 111	270	31.4888	0	0.0000
In 115	183988	1122.0394	0	0.0000
Pb 208	651111	1.246E+04	0	0.0000
Bi 209	321494	3629.0437	0	0.0000
Cl 35	454	41.8864	0	0.0000
Ca 44	286	26.3126	0	0.0000
Ti 47	2708	7.3725	0	0.0000
Br 81	5025	92.1401	0	0.0000
Kr 83	23	7.0238	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.0585	4.994E-04	15.5840 310	0.1410	ppb	0.9047
Ge 73	<	94300	437.1068			ions/sec	
As 75		0.1353	1.223E-03	40.7769 920	0.3770	ppb	0.9246
Cd 111		1.469E-03	1.711E-04	0.4461	0.0570	ppb	12.7668
In 115	<	183988	1122.0394			ions/sec	
Pb 208		2.0253	0.0388	93.2767 1900	1.7882	ppb	1.9171
Bi 209	<	321494	3629.0437			ions/sec	
Cl 35		454	41.8864				
Ca 44		286	26.3126				
Ti 47		2708	7.3725				
Br 81		5025	92.1401				
Kr 83		23	7.0238				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A732
Sample Description:	27901 (0.5:50)
Sample Type:	Sample
Sequence Number:	027
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:43:47 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

		Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66		603471	206.2056	0	0.0000
Ge 73		94861	514.3154	0	0.0000
As 75		1187301	4011.9834	0	0.0000
Cd 111		30786	285.0011	0	0.0000
In 115		208354	1960.7047	0	0.0000
Pb 208	>	9001256	1.307E+05	0	0.0000
Bi 209		347984	5021.0986	0	0.0000
Cl 35		543	28.7471	0	0.0000
Ca 44		51905	843.3752	0	0.0000
Ti 47		341503	1142.3386	0	0.0000
Br 81		8809	130.6800	0	0.0000
Kr 83		126	7.7676	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	6.3617	2.174E-03	1795.0624	DNR	0.6137	ppb	0.0342
Ge 73	<]	94861	514.3154				ions/sec	
As 75		12.5163	0.0423	3857.2622	DNR	13.0372	ppb	0.3380
Cd 111	]	0.1478	1.368E-03	49.1255	4.9	0.4552	ppb	0.9266
In 115	<]	208354	1960.7047				ions/sec	
Pb 208	]	25.8669	0.3756	1193.1978	DNR	17.3299	ppb	1.4524
Bi 209	<]	347984	5021.0986				ions/sec	
Cl 35		543	28.7471					
Ca 44		51905	843.3752					
Ti 47		341503	1142.3386					
Br 81		8809	130.6800					
Kr 83		126	7.7676					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A732
Sample Description:	27901 (0.5:50)(0.05:10)
Sample Type:	Sample
Sequence Number:	028
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:48:40 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	4406	56.3217	0	0.0000
Ge 73	95984	102.8897	0	0.0000
As 75	7920	176.1426	0	0.0000
Cd 111	206	8.0585	0	0.0000
In 115	207569	1931.8165	0	0.0000
Pb 208	214860	3538.8450	0	0.0000
Bi 209	438328	6951.1606	0	0.0000
Cl 35	280	18.8769	0	0.0000
Ca 44	395	19.9752	0	0.0000
Ti 47	2498	61.2968	0	0.0000
Br 81	5634	33.1767	0	0.0000
Kr 83	32	3.0551	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0459	5.868E-04	12.0419	240	0.1657	ppb	1.3757
Ge 73	<	95984	102.8897				ions/sec	
As 75		0.0825	1.835E-03	24.4984	490	0.5657	ppb	2.3091
Cd 111		9.948E-04	3.882E-05	0.2882	—	0.0129	ppb	4.4832
In 115	<	207569	1931.8165				ions/sec	
Pb 208		0.4902	8.074E-03	22.4563	450	0.3725	ppb	1.6586
Bi 209	<	438328	6951.1606				ions/sec	
Cl 35		280	18.8769					
Ca 44		395	19.9752					
Ti 47		2498	61.2968					
Br 81		5634	33.1767					
Kr 83		32	3.0551					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A733
Sample Description:	27901 (0.5:50)
Sample Type:	Sample
Sequence Number:	029
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	16:57:11 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

		Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66		216748	2361.6743	0	0.0000
Ge 73		92059	985.9390	0	0.0000
As 75		240145	2331.2937	0	0.0000
Cd 111		9289	149.8745	0	0.0000
In 115		198140	3175.1714	0	0.0000
Pb 208	>	6927268	7.638E+04	0	0.0000
Bi 209		347939	4083.3040	0	0.0000
Cl 35		765	27.7383	0	0.0000
Ca 44		30220	520.1753	0	0.0000
Ti 47		591934	2496.2056	0	0.0000
Br 81		9461	30.0589	0	0.0000
Kr 83		156	5.0328	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		2.3544	0.0257	663.7692	66	7.2424	ppb	1.0911
Ge 73	<	92059	985.9390				ions/sec	
As 75		2.6086	0.0253	803.1721	80	7.8062	ppb	0.9719
Cd 111		0.0469	7.564E-04	15.5569	1.6	0.2517	ppb	1.6180
In 115	<	198140	3175.1714				ions/sec	
Pb 208		19.9094	0.2195	918.3531	92	10.1277	ppb	1.1028
Bi 209	<	347939	4083.3040				ions/sec	
Cl 35		765	27.7383					
Ca 44		30220	520.1753					
Ti 47		591934	2496.2056					
Br 81		9461	30.0589					
Kr 83		156	5.0328					

DNR

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A733
Sample Description:	27901 (0.5:50)(2:10)
Sample Type:	Sample
Sequence Number:	030
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	17:02:04 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	58021	655.9689	0	0.0000
Ge 73	96364	3104.3655	0	0.0000
As 75	61206	137.7156	0	0.0000
Cd 111	2262	44.8606	0	0.0000
In 115	191999	3745.8884	0	0.0000
Pb 208	1748291	2.319E+04	0	0.0000
Bi 209	342802	1.176E+04	0	0.0000
Cl 35	487	44.1938	0	0.0000
Ca 44	5489	122.0523	0	0.0000
Ti 47	123676	1464.6542	0	0.0000
Br 81	6610	88.2968	0	0.0000
Kr 83	43	1.1548	0	0.0000

		Net Ratio/ Intensity	Std. Dev.		Conc.	% Std. Dev. (% RPD DUE)			% RSD
Zn 66		0.6021	6.807E-03	845	169.0617	24%	1.9218	ppb	1.1367
Ge 73	<	96364	3104.3655					ions/sec	
As 75		0.6352	1.429E-03	934	194.8516	19%	0.4405	ppb	0.2261
Cd 111		0.0118	2.336E-04	19	3.8771	22%	0.0778	ppb	2.0054
In 115	<	191999	3745.8884					ions/sec	
Pb 208		5.1000	0.0677	1176	235.1281	25%	3.1210	ppb	1.3274
Bi 209	<	342802	1.176E+04					ions/sec	
Cl 35		487	44.1938						
Ca 44		5489	122.0523						
Ti 47		123676	1464.6542						
Br 81		6610	88.2968						
Kr 83		43	1.1548						

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A733
Sample Description:	27901 (0.5:50)(2:10)
Sample Type:	Sample
Sequence Number:	031
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	17:25:46 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	57429	679.4529	0	0.0000
Ge 73	97680	374.4482	0	0.0000
As 75	60608	372.9899	0	0.0000
Cd 111	2211	58.2556	0	0.0000
In 115	195261	1111.8336	0	0.0000
Pb 208	1735331	5516.9893	0	0.0000
Bi 209	356111	1859.5648	0	0.0000
Cl 35	384	23.9659	0	0.0000
Ca 44	4829	105.8121	0	0.0000
Ti 47	121482	990.3177	0	0.0000
Br 81	6168	55.4346	0	0.0000
Kr 83	48	4.1634	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.5879	6.956E-03	83 165.0602	1.9637	ppb	1.1897
Ge 73	<	97680	374.4482			ions/sec	
As 75		0.6205	3.818E-03	95 190.3268	1.1771	ppb	0.6184
Cd 111		0.0113	2.983E-04	1.9 3.7254	0.0993	ppb	2.6650
In 115	<	195261	1111.8336			ions/sec	
Pb 208		4.8730	0.0155	110 224.6558	0.7147	ppb	0.3181
Bi 209	<	356111	1859.5648			ions/sec	
Cl 35		384	23.9659				
Ca 44		4829	105.8121				
Ti 47		121482	990.3177				
Br 81		6168	55.4346				
Kr 83		48	4.1634				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A734
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	032
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	17:30:48 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	9954	138.5451	0	0.0000
Ge 73	98067	767.0823	0	0.0000
As 75	17390	135.1353	0	0.0000
Cd 111	501	23.6562	0	0.0000
In 115	190781	1104.2335	0	0.0000
Pb 208	921263	1.125E+04	0	0.0000
Bi 209	347617	3498.7566	0	0.0000
Cl 35	376	29.0240	0	0.0000
Ca 44	498	7.0013	0	0.0000
Ti 47	4652	37.3601	0	0.0000
Br 81	5371	89.1500	0	0.0000
Kr 83	24	9.2916	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.1015	1.413E-03	27.7372	280	0.3988	ppb	1.4379
Ge 73	<	98067	767.0823				ions/sec	
As 75		0.1773	1.378E-03	53.7242	540	0.4248	ppb	0.7907
Cd 111		2.626E-03	1.240E-04	0.8311	8.3	0.0413	ppb	4.9648
In 115	<	190781	1104.2335				ions/sec	
Pb 208		2.6502	0.0324	122.1087	1200	1.4934	ppb	1.2230
Bi 209	<	347617	3498.7566				ions/sec	
Cl 35		376	29.0240					
Ca 44		498	7.0013					
Ti 47		4652	37.3601					
Br 81		5371	89.1500					
Kr 83		24	9.2916					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A735
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	033
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	17:36:25 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	5495	61.3899	0	0.0000
Ge 73	99861	521.5245	0	0.0000
As 75	2657	74.6700	0	0.0000
Cd 111	279	6.8155	0	0.0000
In 115	194933	2123.5659	0	0.0000
Pb 208	206408	1665.8932	0	0.0000
Bi 209	355911	2116.3718	0	0.0000
Cl 35	371	12.5032	0	0.0000
Ca 44	406	34.2401	0	0.0000
Ti 47	6620	186.6731	0	0.0000
Br 81	5145	135.5922	0	0.0000
Kr 83	22	3.5119	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0550	6.148E-04	14.6160	150	0.1736	ppb	1.1874
Ge 73	<	99861	521.5245				ions/sec	
As 75		0.0266	7.477E-04	7.2624	73	0.2305	ppb	3.1738
Cd 111		1.432E-03	3.496E-05	0.4338	4.3	0.0116	ppb	2.6821
In 115	<	194933	2123.5659				ions/sec	
Pb 208		0.5799	4.681E-03	26.5973	270	0.2159	ppb	0.8119
Bi 209	<	355911	2116.3718				ions/sec	
Cl 35		371	12.5032					
Ca 44		406	34.2401					
Ti 47		6620	186.6731					
Br 81		5145	135.5922					
Kr 83		22	3.5119					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A736
Sample Description:	27901 (0.5:50) (0.1:10)
Sample Type:	Sample
Sequence Number:	034
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	17:44:22 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	13661	60.5299	0	0.0000
Ge 73	97549	794.8092	0	0.0000
As 75	15880	226.3382	0	0.0000
Cd 111	637	26.7391	0	0.0000
In 115	189774	1036.4008	0	0.0000
Pb 208	815792	8162.3350	0	0.0000
Bi 209	350168	2230.8984	0	0.0000
Cl 35	359	21.0718	0	0.0000
Ca 44	810	40.8243	0	0.0000
Ti 47	6988	46.9049	0	0.0000
Br 81	5117	130.8174	0	0.0000
Kr 83	29	5.1316	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	0.1400	6.205E-04	38.6186	390	0.1752	ppb	0.4536
Ge 73	<	97549	794.8092				ions/sec	
As 75	]	0.1628	2.320E-03	49.2439	490	0.7152	ppb	1.4524
Cd 111	]	3.354E-03	1.409E-04	1.0734	11	0.0469	ppb	4.3682
In 115	<	189774	1036.4008				ions/sec	
Pb 208	]	2.3297	0.0233	107.3221	1100	1.0754	ppb	1.0020
Bi 209	<	350168	2230.8984				ions/sec	
Cl 35		359	21.0718					
Ca 44		810	40.8243					
Ti 47		6988	46.9049					
Br 81		5117	130.8174					
Kr 83		29	5.1316					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCV
Sample Description:	M13-20
Sample Type:	Sample
Sequence Number:	035
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	17:48:14 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	35313	50.6878	0	0.0000
Ge 73	96722	735.7790	0	0.0000
As 75	31008	339.1275	0	0.0000
Cd 111	5485	57.2827	0	0.0000
In 115	186523	957.3716	0	0.0000
Pb 208	733765	2372.5535	0	0.0000
Bi 209	344589	479.4762	0	0.0000
Cl 35	350	12.5825	0	0.0000
Ca 44	81	6.0279	0	0.0000
Ti 47	324	17.4739	0	0.0000
Br 81	4973	58.6357	0	0.0000
Kr 83	21	10.1160	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.3651	5.241E-04	102.1557	102%	0.1479	ppb	0.1448
Ge 73	<	96722	735.7790				ions/sec	
As 75		0.3206	3.506E-03	97.8861	98%	1.0808	ppb	1.1042
Cd 111		0.0294	3.071E-04	9.7425	97%	0.1022	ppb	1.0490
In 115	<	186523	957.3716				ions/sec	
Pb 208		2.1294	6.885E-03	98.0804	98%	0.3176	ppb	0.3239
Bi 209	<	344589	479.4762				ions/sec	
Cl 35		350	12.5825					
Ca 44		81	6.0279					
Ti 47		324	17.4739					
Br 81		4973	58.6357					
Kr 83		21	10.1160					

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QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCB
Sample Description:	
Sample Type:	Sample
Sequence Number:	036
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:00:12 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	133	4.1686	0	0.0000
Ge 73	89789	933.1274	0	0.0000
As 75	14	10.8158	0	0.0000
Cd 111	11	1.5819	0	0.0000
In 115	175543	2255.1794	0	0.0000
Pb 208	361	11.2450	0	0.0000
Bi 209	364054	6759.8130	0	0.0000
Cl 35	306	16.2592	0	0.0000
Ca 44	16	3.7859	0	0.0000
Ti 47	292	14.4343	0	0.0000
Br 81	4889	76.8659	0	0.0000
Kr 83	28	7.0238	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	1.482E-03	4.643E-05	-0.4993	OK	0.0131	ppb	2.6249
Ge 73	<	89789	933.1274				ions/sec	
As 75	]	1.556E-04	1.205E-04	-0.8899	OK	0.0371	ppb	4.1728
Cd 111	]	6.423E-05	9.011E-06	-0.0215	OK	2.999E-03	ppb	13.9577
In 115	<	175543	2255.1794				ions/sec	
Pb 208	]	9.923E-04	3.089E-05	-0.1122	OK	1.425E-03	ppb	1.2698
Bi 209	<	364054	6759.8130				ions/sec	
Cl 35		306	16.2592					
Ca 44		16	3.7859					
Ti 47		292	14.4343					
Br 81		4889	76.8659					
Kr 83		28	7.0238					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A736
Sample Description:	27901 (0.5:50)(0.1:10)(2:10)
Sample Type:	Sample
Sequence Number:	037
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:03:56 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	2778	95.0606	0	0.0000
Ge 73	90218	2118.2566	0	0.0000
As 75	2931	84.2105	0	0.0000
Cd 111	124	15.0280	0	0.0000
In 115	175337	1921.6725	0	0.0000
Pb 208	168808	1100.2988	0	0.0000
Bi 209	356855	5661.8770	0	0.0000
Cl 35	326	23.8959	0	0.0000
Ca 44	179	18.0372	0	0.0000
Ti 47	1547	55.0783	0	0.0000
Br 81	4858	137.1098	0	0.0000
Kr 83	16	6.8069	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.				% RSD
						% RPD				
Zn 66	]	0.0308	1.054E-03	39	7.7756	21.0%	0.2975	ppb		3.8256
Ge 73	<	90218	2118.2566					ions/sec		
As 75	]	0.0325	9.334E-04	45	9.0772	8.1%	0.2877	ppb		3.1698
Cd 111	]	7.080E-04	8.571E-05	0.96	0.1927	OK	0.0285	ppb		14.7983
In 115	<	175337	1921.6725					ions/sec		
Pb 208	]	0.4730	3.083E-03	110	21.6656	21.0%	0.1422	ppb		0.6566
Bi 209	<	356855	5661.8770					ions/sec		
Cl 35		326	23.8959							
Ca 44		179	18.0372							
Ti 47		1547	55.0783							
Br 81		4858	137.1098							
Kr 83		16	6.8069							

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A737
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	038
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:10:09 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	5925	102.2331	0	0.0000
Ge 73	89442	348.8904	0	0.0000
As 75	18446	243.3196	0	0.0000
Cd 111	311	15.6710	0	0.0000
In 115	174413	215.6333	0	0.0000
Pb 208	867500	1.538E+04	0	0.0000
Bi 209	367930	4663.6743	0	0.0000
Cl 35	301	13.0127	0	0.0000
Ca 44	433	7.2326	0	0.0000
Ti 47	4997	45.3407	0	0.0000
Br 81	4928	47.1198	0	0.0000
Kr 83	25	4.9329	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0662	1.143E-03	17.7841	180	0.3227	ppb	1.8145
Ge 73	<	89442	348.8904				ions/sec	
As 75		0.2062	2.720E-03	62.6346	630	0.8386	ppb	1.3388
Cd 111		1.782E-03	8.985E-05	0.5502	5.5	0.0299	ppb	5.4340
In 115	<	174413	215.6333				ions/sec	
Pb 208		2.3578	0.0418	108.6172	1100	1.9280	ppb	1.7750
Bi 209	<	367930	4663.6743				ions/sec	
Cl 35		301	13.0127					
Ca 44		433	7.2326					
Ti 47		4997	45.3407					
Br 81		4928	47.1198					
Kr 83		25	4.9329					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A738
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	039
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:16:23 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	13317	74.7012	0	0.0000
Ge 73	89365	217.9653	0	0.0000
As 75	10872	159.6346	0	0.0000
Cd 111	595	8.7403	0	0.0000
In 115	174616	236.7480	0	0.0000
Pb 208	736482	7083.2080	0	0.0000
Bi 209	366853	4914.9478	0	0.0000
Cl 35	308	14.0000	0	0.0000
Ca 44	577	12.5850	0	0.0000
Ti 47	6455	165.2960	0	0.0000
Br 81	4860	41.8322	0	0.0000
Kr 83	22	9.4516	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.1490	8.359E-04	41.1527	410	0.2360	ppb	0.5734
Ge 73	<	89365	217.9653				ions/sec	
As 75		0.1217	1.786E-03	36.5654	370	0.5506	ppb	1.5059
Cd 111		3.407E-03	5.005E-05	1.0907	11	0.0167	ppb	1.5271
In 115	<	174616	236.7480				ions/sec	
Pb 208		2.0076	0.0193	92.4602	920	0.8908	ppb	0.9634
Bi 209	<	366853	4914.9478				ions/sec	
Cl 35		308	14.0000					
Ca 44		577	12.5850					
Ti 47		6455	165.2960					
Br 81		4860	41.8322					
Kr 83		22	9.4516					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A739
Sample Description:	27901 (0.5:50)(.01:10)
Sample Type:	Sample
Sequence Number:	040
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:19:23 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	7362	92.2515	0	0.0000
Ge 73	90472	764.8926	0	0.0000
As 75	80885	131.8212	0	0.0000
Cd 111	563	31.7594	0	0.0000
In 115	176821	952.5667	0	0.0000
Pb 208	1079157	9861.5146	0	0.0000
Bi 209	374100	3590.3071	0	0.0000
Cl 35	278	14.2250	0	0.0000
Ca 44	675	47.4298	0	0.0000
Ti 47	3818	65.6606	0	0.0000
Br 81	4920	88.0984	0	0.0000
Kr 83	23	2.5166	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	0.0814	1.020E-03	22.0540	220	0.2879	ppb	1.3053
Ge 73	<]	90472	764.8926				ions/sec	
As 75		0.8940	1.457E-03	274.6514	2700	0.4491	ppb	0.1635
Cd 111	]	3.186E-03	1.796E-04	1.0174	10	0.0598	ppb	5.8745
In 115	<]	176821	952.5667				ions/sec	
Pb 208	]	2.8847	0.0264	132.9252	1300	1.2161	ppb	0.9149
Bi 209	<]	374100	3590.3071				ions/sec	
Cl 35		278	14.2250					
Ca 44		675	47.4298					
Ti 47		3818	65.6606					
Br 81		4920	88.0984					
Kr 83		23	2.5166					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A~~739~~ 740
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	041
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:22:08 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	9030	225.0381	0	0.0000
Ge 73	88638	193.7807	0	0.0000
As 75	12063	144.8244	0	0.0000
Cd 111	453	29.0818	0	0.0000
In 115	173481	1405.7433	0	0.0000
Pb 208	1229381	6885.6323	0	0.0000
Bi 209	369617	1286.9666	0	0.0000
Cl 35	309	13.0007	0	0.0000
Ca 44	423	28.9380	0	0.0000
Ti 47	5776	42.5748	0	0.0000
Br 81	4813	88.3267	0	0.0000
Kr 83	20	1.5275	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.1019	2.539E-03	27.8414	280	0.7167	ppb	2.5744
Ge 73	<	88638	193.7807				ions/sec	
As 75		0.1361	1.634E-03	41.0143	410	0.5037	ppb	1.2280
Cd 111		2.614E-03	1.676E-04	0.8268	8.3	0.0558	ppb	6.7466
In 115	<	173481	1405.7433				ions/sec	
Pb 208		3.3261	0.0186	153.2897	1500	0.8594	ppb	0.5607
Bi 209	<	369617	1286.9666				ions/sec	
Cl 35		309	13.0007					
Ca 44		423	28.9380					
Ti 47		5776	42.5748					
Br 81		4813	88.3267					
Kr 83		20	1.5275					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A741
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	042
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:25:36 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	12676	124.3007	0	0.0000
Ge 73	90083	494.3259	0	0.0000
As 75	43125	363.1299	0	0.0000
Cd 111	722	18.9056	0	0.0000
In 115	176208	1464.4792	0	0.0000
Pb 208	1562052	1.764E+04	0	0.0000
Bi 209	369927	5354.6772	0	0.0000
Cl 35	299	11.5909	0	0.0000
Ca 44	634	16.0007	0	0.0000
Ti 47	6247	97.0540	0	0.0000
Br 81	4905	94.6789	0	0.0000
Kr 83	20	6.4291	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.1407	1.380E-03	38.8085 390	0.3895	ppb	1.0038
Ge 73	<	90083	494.3259			ions/sec	
As 75		0.4787	4.031E-03	146.6308 1500	1.2426	ppb	0.8474
Cd 111		4.096E-03	1.073E-04	1.3203 13	0.0357	ppb	2.7041
In 115	<	176208	1464.4792			ions/sec	
Pb 208		4.2226	0.0477	194.6495 1900	2.2003	ppb	1.1304
Bi 209	<	369927	5354.6772			ions/sec	
Cl 35		299	11.5909				
Ca 44		634	16.0007				
Ti 47		6247	97.0540				
Br 81		4905	94.6789				
Kr 83		20	6.4291				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A742
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	043
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:28:21 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	9330	159.0232	0	0.0000
Ge 73	88917	1261.2185	0	0.0000
As 75	18094	129.7959	0	0.0000
Cd 111	429	36.3088	0	0.0000
In 115	174468	2757.3696	0	0.0000
Pb 208	1615537	3.113E+04	0	0.0000
Bi 209	368284	5220.5845	0	0.0000
Cl 35	276	8.0825	0	0.0000
Ca 44	398	9.0754	0	0.0000
Ti 47	6158	49.3162	0	0.0000
Br 81	4787	110.6217	0	0.0000
Kr 83	22	0.0000	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	0.1049	1.788E-03	28.7041	290	0.5049	ppb	1.7590
Ge 73	<	88917	1261.2185				ions/sec	
As 75	]	0.2035	1.460E-03	61.7903	620	0.4500	ppb	0.7282
Cd 111	]	2.460E-03	2.081E-04	0.7757	7.8	0.0693	ppb	8.9273
In 115	<	174468	2757.3696				ions/sec	
Pb 208	]	4.3867	0.0845	202.2185	2000	3.8994	ppb	1.9283
Bi 209	<	368284	5220.5845				ions/sec	
Cl 35		276	8.0825					
Ca 44		398	9.0754					
Ti 47		6158	49.3162					
Br 81		4787	110.6217					
Kr 83		22	0.0000					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A743
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	044
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:31:38 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	7207	104.0278	0	0.0000
Ge 73	86576	899.1515	0	0.0000
As 75	1863	48.2325	0	0.0000
Cd 111	163	2.2384	0	0.0000
In 115	167797	1401.3210	0	0.0000
Pb 208	173365	2436.9224	0	0.0000
Bi 209	361941	4546.3418	0	0.0000
Cl 35	287	1.5276	0	0.0000
Ca 44	451	4.0450	0	0.0000
Ti 47	6868	45.3836	0	0.0000
Br 81	4735	108.2072	0	0.0000
Kr 83	21	6.5064	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.0832	1.202E-03	22.5817 230	0.3392	ppb	1.5022
Ge 73	<	86576	899.1515			ions/sec	
As 75		0.0215	5.571E-04	5.6947 57	0.1717	ppb	3.0156
Cd 111		9.706E-04	1.334E-05	0.2801 2.8	4.439E-03	ppb	1.5847
In 115	<	167797	1401.3210			ions/sec	
Pb 208		0.4790	6.733E-03	21.9398 220	0.3106	ppb	1.4158
Bi 209	<	361941	4546.3418			ions/sec	
Cl 35		287	1.5276				
Ca 44		451	4.0450				
Ti 47		6868	45.3836				
Br 81		4735	108.2072				
Kr 83		21	6.5064				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set: 22499B
Data Set Description:
Parameter File: ISSI

Sample ID: 99-A744
Sample Description: 27901 (0.5:50)(0.1:10)
Sample Type: Sample
Sequence Number: 045
Blank: Not Subtracted
Dilution Factor: 1
Number of Repeats: 3
Time: 18:34:31 Feb 24 1999
Signal Profile Processing: Average
Spectral Peak Processing: Average
Deadtime Correction: 35

Calibration File: [Untitled]
Calibration: External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	5202	105.3280	0	0.0000
Ge 73	86553	322.3960	0	0.0000
As 75	380	19.0410	0	0.0000
Cd 111	239	32.6672	0	0.0000
In 115	169020	912.2823	0	0.0000
Pb 208	218090	4210.8975	0	0.0000
Bi 209	366703	4414.2642	0	0.0000
Cl 35	265	7.2118	0	0.0000
Ca 44	392	11.0160	0	0.0000
Ti 47	4592	134.8191	0	0.0000
Br 81	4752	59.8306	0	0.0000
Kr 83	18	4.0000	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	]	0.0601	1.217E-03	16.0487	160	0.3436	ppb	2.1407
Ge 73	<	86553	322.3960				ions/sec	
As 75	]	4.394E-03	2.200E-04	0.4167	DNR	0.0678	ppb	16.2746
Cd 111	]	1.412E-03	1.933E-04	0.4269	4.3	0.0643	ppb	15.0658
In 115	<	169020	912.2823				ions/sec	
Pb 208	]	0.5947	0.0115	27.2797	270	0.5298	ppb	1.9420
Bi 209	<	366703	4414.2642				ions/sec	
Cl 35		265	7.2118					
Ca 44		392	11.0160					
Ti 47		4592	134.8191					
Br 81		4752	59.8306					
Kr 83		18	4.0000					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A744
Sample Description:	27901 (0.5:50)(1:10)
Sample Type:	Sample
Sequence Number:	046
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:40:35 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	49592	522.9205	0	0.0000
Ge 73	88627	42.3726	0	0.0000
As 75	4031	143.5346	0	0.0000
Cd 111	2501	63.4193	0	0.0000
In 115	173720	1664.6910	0	0.0000
Pb 208	2126087	3.750E+04	0	0.0000
Bi 209	365778	3882.9297	0	0.0000
Cl 35	274	2.8897	0	0.0000
Ca 44	4064	52.5253	0	0.0000
Ti 47	44509	386.3146	0	0.0000
Br 81	5388	52.5587	0	0.0000
Kr 83	32	4.3589	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.5596	5.900E-03	157.0531	1.6657	ppb	1.0606
Ge 73	<	88627	42.3726			ions/sec	
As 75		0.0455	1.620E-03	13.0836	0.4992	ppb	3.8157
Cd 111		0.0144	3.651E-04	4.7471	0.1215	ppb	2.5591
In 115	<	173720	1664.6910			ions/sec	
Pb 208		5.8125	0.1025	267.9989	4.7292	ppb	1.7646
Bi 209	<	365778	3882.9297			ions/sec	
Cl 35		274	2.8897				
Ca 44		4064	52.5253				
Ti 47		44509	386.3146				
Br 81		5388	52.5587				
Kr 83		32	4.3589				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCV
Sample Description:	M13-20
Sample Type:	Sample
Sequence Number:	047
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:44:18 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	32198	258.6712	0	0.0000
Ge 73	88582	557.4355	0	0.0000
As 75	27657	185.6258	0	0.0000
Cd 111	4933	51.5097	0	0.0000
In 115	170306	539.2899	0	0.0000
Pb 208	760298	8657.0176	0	0.0000
Bi 209	359834	1261.8154	0	0.0000
Cl 35	293	5.5687	0	0.0000
Ca 44	64	5.7736	0	0.0000
Ti 47	304	10.8165	0	0.0000
Br 81	4667	74.0418	0	0.0000
Kr 83	27	2.6458	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	<]	0.3635	2.920E-03	101.6977	102%	0.8244	ppb	0.8106
Ge 73		88582	557.4355				ions/sec	
As 75		0.3122	2.096E-03	95.3053	95%	0.6460	ppb	0.6778
Cd 111	<]	0.0290	3.025E-04	9.5956	96%	0.1006	ppb	1.0489
In 115		170306	539.2899				ions/sec	
Pb 208	<]	2.1129	0.0241	97.3201	97%	1.1099	ppb	1.1405
Bi 209		359834	1261.8154				ions/sec	
Cl 35		293	5.5687					
Ca 44		64	5.7736					
Ti 47		304	10.8165					
Br 81		4667	74.0418					
Kr 83		27	2.6458					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCB
Sample Description:	
Sample Type:	Sample
Sequence Number:	048
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:47:16 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	141	2.1828	0	0.0000
Ge 73	89707	791.2432	0	0.0000
As 75	11	54.4692	0	0.0000
Cd 111	14	3.3623	0	0.0000
In 115	172768	870.5986	0	0.0000
Pb 208	1946	502.2558	0	0.0000
Bi 209	361466	6221.0483	0	0.0000
Cl 35	249	5.8596	0	0.0000
Ca 44	19	2.0000	0	0.0000
Ti 47	268	20.5513	0	0.0000
Br 81	4659	57.3747	0	0.0000
Kr 83	17	2.8868	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		1.570E-03	2.433E-05	-0.4745 OK	6.870E-03	ppb	1.4478
Ge 73	<	89707	791.2432			ions/sec	
As 75		1.205E-04	6.072E-04	-0.9007 OK	0.1872	ppb	20.7809
Cd 111		7.923E-05	1.946E-05	-0.0165 OK	6.476E-03	ppb	39.2675
In 115	<	172768	870.5986			ions/sec	
Pb 208		5.385E-03	1.389E-03	0.0904 OK	0.0641	ppb	70.9025
Bi 209	<	361466	6221.0483			ions/sec	
Cl 35		249	5.8596				
Ca 44		19	2.0000				
Ti 47		268	20.5513				
Br 81		4659	57.3747				
Kr 83		17	2.8868				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A745
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	049
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:51:09 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	14772	428.1598	0	0.0000
Ge 73	88605	815.2405	0	0.0000
As 75	27265	708.3946	0	0.0000
Cd 111	655	23.2161	0	0.0000
In 115	173030	1261.8186	0	0.0000
Pb 208	1913772	1.910E+04	0	0.0000
Bi 209	369943	3427.7573	0	0.0000
Cl 35	259	14.5260	0	0.0000
Ca 44	514	37.5558	0	0.0000
Ti 47	3870	103.8951	0	0.0000
Br 81	4916	73.9405	0	0.0000
Kr 83	15	4.7258	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.1667	4.832E-03	46.1499 960	1.3642	ppb	2.9560
Ge 73	<	88605	815.2405			ions/sec	
As 75		0.3077	7.995E-03	93.9181 940	2.4645	ppb	2.6241
Cd 111		3.788E-03	1.342E-04	1.2177 12	0.0446	ppb	3.6665
In 115	<	173030	1261.8186			ions/sec	
Pb 208		5.1732	0.0516	238.5028 2400	2.3817	ppb	0.9986
Bi 209	<	369943	3427.7573			ions/sec	
Cl 35		259	14.5260				
Ca 44		514	37.5558				
Ti 47		3870	103.8951				
Br 81		4916	73.9405				
Kr 83		15	4.7258				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A746
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	050
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:54:35 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	6037	173.8750	0	0.0000
Ge 73	89377	362.9027	0	0.0000
As 75	1862	41.7878	0	0.0000
Cd 111	226	21.6180	0	0.0000
In 115	173445	529.5186	0	0.0000
Pb 208	190616	993.5477	0	0.0000
Bi 209	367535	7042.8115	0	0.0000
Cl 35	282	13.7961	0	0.0000
Ca 44	366	14.0479	0	0.0000
Ti 47	4414	59.9614	0	0.0000
Br 81	4745	24.5572	0	0.0000
Kr 83	18	2.5166	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0675	1.945E-03	18.1506	180	0.5492	ppb	3.0259
Ge 73	<	89377	362.9027				ions/sec	
As 75		0.0208	4.675E-04	5.4858	55	0.1441	ppb	2.6272
Cd 111		1.304E-03	1.246E-04	0.3910	39	0.0415	ppb	10.6082
In 115	<	173445	529.5186				ions/sec	
Pb 208		0.5186	2.703E-03	23.7689	240	0.1247	ppb	0.5247
Bi 209	<	367535	7042.8115				ions/sec	
Cl 35		282	13.7961					
Ca 44		366	14.0479					
Ti 47		4414	59.9614					
Br 81		4745	24.5572					
Kr 83		18	2.5166					

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QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A747
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	051
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	18:57:18 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	11248	39.8744	0	0.0000
Ge 73	89152	198.6664	0	0.0000
As 75	11944	99.5409	0	0.0000
Cd 111	320	14.7290	0	0.0000
In 115	173557	1248.9425	0	0.0000
Pb 208	421629	4157.5215	0	0.0000
Bi 209	367703	4134.6626	0	0.0000
Cl 35	263	19.0354	0	0.0000
Ca 44	347	15.6315	0	0.0000
Ti 47	4130	51.1225	0	0.0000
Br 81	4686	40.4985	0	0.0000
Kr 83	23	9.0000	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.1262	4.473E-04	34.7010 350	0.1263	ppb	0.3639
Ge 73	<	89152	198.6664			ions/sec	
As 75		0.1340	1.117E-03	40.3617 400	0.3442	ppb	0.8527
Cd 111		1.841E-03	8.487E-05	0.5698 5.7	0.0282	ppb	4.9560
In 115	<	173557	1248.9425			ions/sec	
Pb 208		1.1467	0.0113	52.7424 530	0.5216	ppb	0.9890
Bi 209	<	367703	4134.6626			ions/sec	
Cl 35		263	19.0354				
Ca 44		347	15.6315				
Ti 47		4130	51.1225				
Br 81		4686	40.4985				
Kr 83		23	9.0000				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A748
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	052
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:01:08 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	6492	95.2454	0	0.0000
Ge 73	87690	943.7477	0	0.0000
As 75	964	42.2870	0	0.0000
Cd 111	131	7.6373	0	0.0000
In 115	169922	1317.7461	0	0.0000
Pb 208	107087	1690.9846	0	0.0000
Bi 209	363502	5394.3022	0	0.0000
Cl 35	249	6.5570	0	0.0000
Ca 44	545	48.8113	0	0.0000
Ti 47	3729	47.3119	0	0.0000
Br 81	4732	51.6311	0	0.0000
Kr 83	24	3.2146	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0740	1.086E-03	19.9837	100	0.3066	ppb	1.5344
Ge 73	<	87690	943.7477				ions/sec	
As 75		0.0110	4.822E-04	2.4519	25	0.1487	ppb	6.0626
Cd 111		7.721E-04	4.495E-05	0.2141	2.1	0.0150	ppb	6.9867
In 115	<	169922	1317.7461				ions/sec	
Pb 208		0.2946	4.652E-03	13.4332	130	0.2146	ppb	1.5976
Bi 209	<	363502	5394.3022				ions/sec	
Cl 35		249	6.5570					
Ca 44		545	48.8113					
Ti 47		3729	47.3119					
Br 81		4732	51.6311					
Kr 83		24	3.2146					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set: 22499B
Data Set Description:
Parameter File: ISSI

Sample ID: 99-A748 MS PDS
Sample Description: 27901 (0.5:50)(0.1:10) 0.1 ml of MP1208/09 in 10 ml exp: 4-4-99
Sample Type: Sample
Sequence Number: 053
Blank: Not Subtracted
Dilution Factor: 1
Number of Repeats: 3
Time: 19:05:57 Feb 24 1999
Signal Profile Processing: Average
Spectral Peak Processing: Average
Deadtime Correction: 35

Calibration File: [Untitled]
Calibration: External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	21990	147.3766	0	0.0000
Ge 73	89220	169.9930	0	0.0000
As 75	8060	271.9781	0	0.0000
Cd 111	12708	155.3792	0	0.0000
In 115	171356	144.1039	0	0.0000
Pb 208	294664	3236.4275	0	0.0000
Bi 209	349631	5064.9722	0	0.0000
Cl 35	267	12.0143	0	0.0000
Ca 44	23749	208.5954	0	0.0000
Ti 47	107242	831.0146	0	0.0000
Br 81	4764	62.6628	0	0.0000
Kr 83	24	12.5034	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.2465	1.652E-03	68.6631	97%	0.4663	ppb	0.6792
Ge 73	<	89220	169.9930				ions/sec	
As 75		0.0903	3.048E-03	26.9084	98%	0.9397	ppb	3.4922
Cd 111		0.0742	9.068E-04	24.6352	98%	0.3017	ppb	1.2248
In 115	<	171356	144.1039				ions/sec	
Pb 208		0.8428	9.257E-03	38.7235	101%	0.4271	ppb	1.1028
Bi 209	<	349631	5064.9722				ions/sec	
Cl 35		267	12.0143					
Ca 44		23749	208.5954					
Ti 47		107242	831.0146					
Br 81		4764	62.6628					
Kr 83		24	12.5034					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A748 MSD PDS 0.1 ml of MP1208/09 in 10 ml Exp 4-4-99
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	054
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:10:38 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	22461	588.7276	0	0.0000
Ge 73	87494	1629.9154	0	0.0000
As 75	8482	356.0862	0	0.0000
Cd 111	13221	362.8880	0	0.0000
In 115	167039	3245.3728	0	0.0000
Pb 208	304925	9364.0244	0	0.0000
Bi 209	344849	8486.9502	0	0.0000
Cl 35	265	32.3169	0	0.0000
Ca 44	24510	259.8517	0	0.0000
Ti 47	111107	1041.5039	0	0.0000
Br 81	4762	62.8113	0	0.0000
Kr 83	31	9.0738	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev. % RPD			% RSD
Zn 66		0.2567	6.729E-03	71.5573	4.1%	1.8996	ppb	2.6547
Ge 73	<	87494	1629.9154				ions/sec	
As 75		0.0969	4.070E-03	28.9449	3.3%	1.2545	ppb	4.3343
Cd 111		0.0791	2.172E-03	26.2949	6.5%	0.7229	ppb	2.7493
In 115	<	167039	3245.3728				ions/sec	
Pb 208		0.8842	0.0272	40.6354	4.8%	1.2527	ppb	3.0829
Bi 209	<	344849	8486.9502				ions/sec	
Cl 35		265	32.3169					
Ca 44		24510	259.8517					
Ti 47		111107	1041.5039					
Br 81		4762	62.8113					
Kr 83		31	9.0738					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	MB #2
Sample Description:	1/09
Sample Type:	Sample
Sequence Number:	055
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:15:24 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	4423	89.7877	0	0.0000
Ge 73	83928	253.9928	0	0.0000
As 75	37	5.4487	0	0.0000
Cd 111	43	8.2863	0	0.0000
In 115	169974	607.5383	0	0.0000
Pb 208	6867	199.2890	0	0.0000
Bi 209	402492	5390.9351	0	0.0000
Cl 35	307	7.5720	0	0.0000
Ca 44	211	6.0834	0	0.0000
Ti 47	722	59.5036	0	0.0000
Br 81	4607	64.0525	0	0.0000
Kr 83	19	3.5119	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.0527	1.070E-03	13.9586	0.3020	ppb	2.1637
Ge 73	<	83928	253.9928			ions/sec	
As 75		4.451E-04	6.492E-05	-0.8006 OK	0.0200	ppb	2.4996
Cd 111		2.535E-04	4.875E-05	0.0415 OK	0.0162	ppb	39.0898
In 115	<	169974	607.5383			ions/sec	
Pb 208		0.0171	4.951E-04	0.6291 OK	0.0228	ppb	3.6310
Bi 209	<	402492	5390.9351			ions/sec	
Cl 35		307	7.5720				
Ca 44		211	6.0834				
Ti 47		722	59.5036				
Br 81		4607	64.0525				
Kr 83		19	3.5119				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	SRM 0287
Sample Description:	(0.25:50)(0.1:10) 1/09
Sample Type:	Sample
Sequence Number:	056
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:20:07 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	3109	40.6728	0	0.0000
Ge 73	90981	399.9954	0	0.0000
As 75	14296	179.1919	0	0.0000
Cd 111	1058	28.2934	0	0.0000
In 115	174129	695.6483	0	0.0000
Pb 208	82334	903.9985	0	0.0000
Bi 209	382802	4209.3633	0	0.0000
Cl 35	255	3.4642	0	0.0000
Ca 44	7695	136.8996	0	0.0000
Ti 47	453	32.0212	0	0.0000
Br 81	4604	67.3574	0	0.0000
Kr 83	18	4.3589	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66	]	0.0342	4.470E-04	8.7304 194 OK	0.1262	ppb	1.4456
Ge 73	<	90981	399.9954			ions/sec	
As 75	]	0.1571	1.970E-03	47.4989 999 OK	0.6071	ppb	1.2782
Cd 111	]	6.077E-03	1.625E-04	1.9793 39 OK	0.0541	ppb	2.7317
In 115	<	174129	695.6483			ions/sec	
Pb 208	]	0.2151	2.362E-03	9.7647 195 OK	0.1089	ppb	1.1157
Bi 209	<	382802	4209.3633			ions/sec	
Cl 35		255	3.4642				
Ca 44		7695	136.8996				
Ti 47		453	32.0212				
Br 81		4604	67.3574				
Kr 83		18	4.3589				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A749
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	057
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:26:55 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	12815	220.7572	0	0.0000
Ge 73	90297	790.3247	0	0.0000
As 75	4368	33.2329	0	0.0000
Cd 111	317	19.3643	0	0.0000
In 115	172073	926.2343	0	0.0000
Pb 208	293767	2642.5552	0	0.0000
Bi 209	363481	3548.6152	0	0.0000
Cl 35	261	20.7931	0	0.0000
Ca 44	477	4.1635	0	0.0000
Ti 47	3518	21.8502	0	0.0000
Br 81	4686	85.1148	0	0.0000
Kr 83	21	5.5678	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66	<	0.1419	2.445E-03	39.1489	390	0.6902	ppb	1.7630
Ge 73	<	90297	790.3247				ions/sec	
As 75		0.0484	3.680E-04	13.9733	140	0.1134	ppb	0.8119
Cd 111	<	1.844E-03	1.125E-04	0.5706	5.7	0.0374	ppb	6.5627
In 115	<	172073	926.2343				ions/sec	
Pb 208	<	0.8082	7.270E-03	37.1281	370	0.3354	ppb	0.9034
Bi 209	<	363481	3548.6152				ions/sec	
Cl 35		261	20.7931					
Ca 44		477	4.1635					
Ti 47		3518	21.8502					
Br 81		4686	85.1148					
Kr 83		21	5.5678					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A750
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	058
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:29:41 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	10933	55.6954	0	0.0000
Ge 73	88937	314.1189	0	0.0000
As 75	6548	77.1815	0	0.0000
Cd 111	290	9.7760	0	0.0000
In 115	171004	956.4007	0	0.0000
Pb 208	304876	2230.7749	0	0.0000
Bi 209	362009	3265.3662	0	0.0000
Cl 35	258	19.3139	0	0.0000
Ca 44	477	25.9431	0	0.0000
Ti 47	5173	61.1563	0	0.0000
Br 81	4619	61.5807	0	0.0000
Kr 83	25	2.5166	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.1229	6.262E-04	33.7858	340	0.1768	ppb	0.5233
Ge 73	<	88937	314.1189				ions/sec	
As 75		0.0736	8.678E-04	21.7575	220	0.2675	ppb	1.2295
Cd 111		1.697E-03	5.717E-05	0.5219	5.2	0.0190	ppb	3.6453
In 115	<	171004	956.4007				ions/sec	
Pb 208		0.8422	6.162E-03	38.6956	390	0.2843	ppb	0.7347
Bi 209	<	362009	3265.3662				ions/sec	
Cl 35		258	19.3139					
Ca 44		477	25.9431					
Ti 47		5173	61.1563					
Br 81		4619	61.5807					
Kr 83		25	2.5166					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCV
Sample Description:	M13-20
Sample Type:	Sample
Sequence Number:	059
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:32:48 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	32014	241.6353	0	0.0000
Ge 73	91337	250.7822	0	0.0000
As 75	27408	93.3570	0	0.0000
Cd 111	4891	50.6297	0	0.0000
In 115	175095	878.6995	0	0.0000
Pb 208	748641	1.245E+04	0	0.0000
Bi 209	364615	6285.1709	0	0.0000
Cl 35	245	6.8070	0	0.0000
Ca 44	63	6.5575	0	0.0000
Ti 47	318	27.9710	0	0.0000
Br 81	4572	14.0840	0	0.0000
Kr 83	24	7.2342	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.3505	2.646E-03	98.0354	98%	0.7469	ppb	0.7618
Ge 73	<	91337	250.7822				ions/sec	
As 75		0.3001	1.022E-03	91.5614	92%	0.3151	ppb	0.3441
Cd 111		0.0279	2.892E-04	9.2517	92%	0.0962	ppb	1.0400
In 115	<	175095	878.6995				ions/sec	
Pb 208		2.0532	0.0341	94.5669	95%	1.5749	ppb	1.6654
Bi 209	<	364615	6285.1709				ions/sec	
Cl 35		245	6.8070					
Ca 44		63	6.5575					
Ti 47		318	27.9710					
Br 81		4572	14.0840					
Kr 83		24	7.2342					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCB
Sample Description:	
Sample Type:	Sample
Sequence Number:	060
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:35:53 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	138	13.0609	0	0.0000
Ge 73	89537	501.8856	0	0.0000
As 75	-16	32.5287	0	0.0000
Cd 111	11	1.6744	0	0.0000
In 115	170571	1805.4231	0	0.0000
Pb 208	959	135.0268	0	0.0000
Bi 209	361566	5378.0557	0	0.0000
Cl 35	253	10.5358	0	0.0000
Ca 44	16	6.6583	0	0.0000
Ti 47	278	24.8801	0	0.0000
Br 81	4619	0.0000	0	0.0000
Kr 83	19	4.0415	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		1.539E-03	1.459E-04	-0.4833	OK	0.0412	ppb	8.5203
Ge 73	<	89537	501.8856				ions/sec	
As 75		-1.815E-04	3.633E-04	-0.9937	OK	0.1120	ppb	11.2693
Cd 111		6.598E-05	9.816E-06	-0.0209	OK	3.266E-03	ppb	15.6293
In 115	<	170571	1805.4231				ions/sec	
Pb 208		2.653E-03	3.735E-04	-0.0356	OK	0.0172	ppb	48.3692
Bi 209	<	361566	5378.0557				ions/sec	
Cl 35		253	10.5358					
Ca 44		16	6.6583					
Ti 47		278	24.8801					
Br 81		4619	0.0000					
Kr 83		19	4.0415					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A751
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	061
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:39:45 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	{Untitled}
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	17810	234.3393	0	0.0000
Ge 73	87397	479.4617	0	0.0000
As 75	1344	37.4236	0	0.0000
Cd 111	243	24.4034	0	0.0000
In 115	168939	562.0063	0	0.0000
Pb 208	245383	3092.0227	0	0.0000
Bi 209	358465	1425.2529	0	0.0000
Cl 35	250	19.6046	0	0.0000
Ca 44	430	29.1389	0	0.0000
Ti 47	4358	96.5617	0	0.0000
Br 81	4569	17.7820	0	0.0000
Kr 83	21	1.5275	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev.		% RSD
Zn 66		0.2038	2.681E-03	56.6138	0.7570	ppb	1.3371
Ge 73	<	87397	479.4617			ions/sec	
As 75		0.0154	4.282E-04	3.8030	0.1320	ppb	3.4708
Cd 111		1.437E-03	1.445E-04	0.4353	0.0481	ppb	11.0435
In 115	<	168939	562.0063			ions/sec	
Pb 208		0.6845	8.626E-03	31.4228	0.3979	ppb	1.2664
Bi 209	<	358465	1425.2529			ions/sec	
Cl 35		250	19.6046				
Ca 44		430	29.1389				
Ti 47		4358	96.5617				
Br 81		4569	17.7820				
Kr 83		21	1.5275				

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A751 MD
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	062
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:43:05 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	18489	153.5526	0	0.0000
Ge 73	89272	115.4750	0	0.0000
As 75	1471	20.6577	0	0.0000
Cd 111	220	15.1784	0	0.0000
In 115	170990	881.8469	0	0.0000
Pb 208	260815	1832.7181	0	0.0000
Bi 209	363847	1584.6724	0	0.0000
Cl 35	237	10.0168	0	0.0000
Ca 44	428	10.3914	0	0.0000
Ti 47	4564	84.0182	0	0.0000
Br 81	4582	38.9754	0	0.0000
Kr 83	27	1.7320	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.	Std. Dev. %RPD			% RSD
Zn 66		0.2071	1.720E-03	57.5501	1.6%	0.4856	ppb	0.8438
Ge 73	<	89272	115.4750				ions/sec	
As 75		0.0165	2.314E-04	4.1418	2.5%	0.0713	ppb	1.7222
Cd 111		1.289E-03	8.877E-05	0.3861	OK	0.0295	ppb	7.6497
In 115	<	170990	881.8469				ions/sec	
Pb 208		0.7168	5.037E-03	32.9124	4.6%	0.2324	ppb	0.7061
Bi 209	<	363847	1584.6724				ions/sec	
Cl 35		237	10.0168					
Ca 44		428	10.3914					
Ti 47		4564	84.0182					
Br 81		4582	38.9754					
Kr 83		27	1.7320					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A752
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	063
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:53:21 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	4711	23.4989	0	0.0000
Ge 73	90935	721.4079	0	0.0000
As 75	30217	280.2856	0	0.0000
Cd 111	305	18.1947	0	0.0000
In 115	172290	1600.0264	0	0.0000
Pb 208	581444	7712.3911	0	0.0000
Bi 209	368186	7461.4722	0	0.0000
Cl 35	253	6.6587	0	0.0000
Ca 44	400	39.5276	0	0.0000
Ti 47	4275	125.5455	0	0.0000
Br 81	4685	59.4085	0	0.0000
Kr 83	21	6.5574	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0518	2.584E-04	13.7079	140	0.0730	ppb	0.5322
Ge 73	<	90935	721.4079				ions/sec	
As 75		0.3323	3.082E-03	101.4945	1000	0.9501	ppb	0.9361
Cd 111		1.772E-03	1.056E-04	0.5467	5.5	0.0351	ppb	6.4278
In 115	<	172290	1600.0264				ions/sec	
Pb 208		1.5792	0.0209	72.6982	730	0.9664	ppb	1.3293
Bi 209	<	368186	7461.4722				ions/sec	
Cl 35		253	6.6587					
Ca 44		400	39.5276					
Ti 47		4275	125.5455					
Br 81		4685	59.4085					
Kr 83		21	6.5574					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A753
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	064
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	19:57:02 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	6414	95.4527	0	0.0000
Ge 73	89383	775.0541	0	0.0000
As 75	64503	1254.3715	0	0.0000
Cd 111	428	17.9046	0	0.0000
In 115	170762	1205.0226	0	0.0000
Pb 208	1193673	1.329E+04	0	0.0000
Bi 209	364626	3673.6123	0	0.0000
Cl 35	275	10.9703	0	0.0000
Ca 44	542	28.9326	0	0.0000
Ti 47	2641	24.4381	0	0.0000
Br 81	4622	63.7842	0	0.0000
Kr 83	17	2.6458	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0718	1.068E-03	19.3416	190	0.3015	ppb	1.5587
Ge 73	<	89383	775.0541				ions/sec	
As 75		0.7216	0.0140	221.5140	2200	4.3259	ppb	1.9529
Cd 111		2.505E-03	1.049E-04	0.7907	7.9	0.0349	ppb	4.4129
In 115	<	170762	1205.0226				ions/sec	
Pb 208		3.2737	0.0364	150.8723	1500	1.6814	ppb	1.1144
Bi 209	<	364626	3673.6123				ions/sec	
Cl 35		275	10.9703					
Ca 44		542	28.9326					
Ti 47		2641	24.4381					
Br 81		4622	63.7842					
Kr 83		17	2.6458					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A754
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	065
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	20:00:51 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	7489	88.1935	0	0.0000
Ge 73	88407	681.6652	0	0.0000
As 75	15244	127.8686	0	0.0000
Cd 111	414	18.6988	0	0.0000
In 115	170298	1618.2007	0	0.0000
Pb 208	852416	3139.8577	0	0.0000
Bi 209	364897	2267.1443	0	0.0000
Cl 35	261	8.8884	0	0.0000
Ca 44	472	21.0093	0	0.0000
Ti 47	2837	32.1471	0	0.0000
Br 81	4668	98.8936	0	0.0000
Kr 83	18	6.0277	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0847	9.976E-04	22.9979	230	0.2816	ppb	1.2246
Ge 73	<	88407	681.6652				ions/sec	
As 75		0.1724	1.446E-03	52.2128	520	0.4458	ppb	0.8539
Cd 111		2.429E-03	1.098E-04	0.7654	7.6	0.0365	ppb	4.7739
In 115	<	170298	1618.2007				ions/sec	
Pb 208		2.3360	8.605E-03	107.6143	1100	0.3970	ppb	0.3689
Bi 209	<	364897	2267.1443				ions/sec	
Cl 35		261	8.8884					
Ca 44		472	21.0093					
Ti 47		2837	32.1471					
Br 81		4668	98.8936					
Kr 83		18	6.0277					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	99-A755
Sample Description:	27901 (0.5:50)(0.1:10)
Sample Type:	Sample
Sequence Number:	066
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	20:03:35 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	6571	156.4042	0	0.0000
Ge 73	89335	78.4679	0	0.0000
As 75	38973	90.6941	0	0.0000
Cd 111	460	16.7611	0	0.0000
In 115	170909	1351.2300	0	0.0000
Pb 208	588994	429.0122	0	0.0000
Bi 209	367868	1482.4078	0	0.0000
Cl 35	252	10.9997	0	0.0000
Ca 44	384	11.3743	0	0.0000
Ti 47	5757	19.2987	0	0.0000
Br 81	4587	63.2340	0	0.0000
Kr 83	19	4.0415	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.0736	1.751E-03	19.8466	100	0.4943	ppb	2.4904
Ge 73	<	89335	78.4679				ions/sec	
As 75		0.4363	1.015E-03	133.5414	1300	0.3129	ppb	0.2343
Cd 111		2.693E-03	9.807E-05	0.8532	8.5	0.0326	ppb	3.8249
In 115	<	170909	1351.2300				ions/sec	
Pb 208		1.6011	1.166E-03	73.7080	740	0.0538	ppb	0.0730
Bi 209	<	367868	1482.4078				ions/sec	
Cl 35		252	10.9997					
Ca 44		384	11.3743					
Ti 47		5757	19.2987					
Br 81		4587	63.2340					
Kr 83		19	4.0415					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCV
Sample Description:	M13-20
Sample Type:	Sample
Sequence Number:	071
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	20:22:14 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	32474	93.4961	0	0.0000
Ge 73	89311	577.0539	0	0.0000
As 75	28134	423.5137	0	0.0000
Cd 111	5016	74.6590	0	0.0000
In 115	170399	1532.6587	0	0.0000
Pb 208	765679	4611.3281	0	0.0000
Bi 209	364022	2432.4939	0	0.0000
Cl 35	236	16.0105	0	0.0000
Ca 44	64	4.7259	0	0.0000
Ti 47	315	8.1453	0	0.0000
Br 81	4547	137.6854	0	0.0000
Kr 83	24	4.5826	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		0.3636	1.047E-03	101.7323	102%	0.2955	ppb	0.2905
Ge 73	<	89311	577.0539				ions/sec	
As 75		0.3150	4.742E-03	96.1647	96%	1.4617	ppb	1.5200
Cd 111		0.0294	4.381E-04	9.7528	98%	0.1458	ppb	1.4949
In 115	<	170399	1532.6587				ions/sec	
Pb 208		2.1034	0.0127	96.8807	97%	0.5844	ppb	0.6032
Bi 209	<	364022	2432.4939				ions/sec	
Cl 35		236	16.0105					
Ca 44		64	4.7259					
Ti 47		315	8.1453					
Br 81		4547	137.6854					
Kr 83		24	4.5826					

QUANTITATIVE ANALYSIS: SUMMARY REPORT

Data Set:	22499B
Data Set Description:	
Parameter File:	ISSI
Sample ID:	CCB
Sample Description:	
Sample Type:	Sample
Sequence Number:	072
Blank:	Not Subtracted
Dilution Factor:	1
Number of Repeats:	3
Time:	20:25:46 Feb 24 1999
Signal Profile Processing:	Average
Spectral Peak Processing:	Average
Deadtime Correction:	35
Calibration File:	[Untitled]
Calibration:	External Standard

	Sample Intensity	Std. Dev.	Blank Intensity	Std. Dev.
Zn 66	126	2.8424	0	0.0000
Ge 73	89432	703.3237	0	0.0000
As 75	30	40.1754	0	0.0000
Cd 111	12	4.2223	0	0.0000
In 115	170064	676.9539	0	0.0000
Pb 208	1499	286.6571	0	0.0000
Bi 209	361645	1521.2095	0	0.0000
Cl 35	233	15.0445	0	0.0000
Ca 44	14	2.5166	0	0.0000
Ti 47	261	30.4473	0	0.0000
Br 81	4558	47.3251	0	0.0000
Kr 83	21	7.5056	0	0.0000

		Net Ratio/ Intensity	Std. Dev.	Conc.		Std. Dev.		% RSD
Zn 66		1.404E-03	3.178E-05	-0.5215	ok	8.973E-03	ppb	1.7205
Ge 73	<	89432	703.3237				ions/sec	
As 75		3.366E-04	4.492E-04	-0.8340	ok	0.1385	ppb	16.6030
Cd 111		7.300E-05	2.483E-05	-0.0186	ok	8.262E-03	ppb	44.4994
In 115	<	170064	676.9539				ions/sec	
Pb 208		4.144E-03	7.926E-04	0.0332	ok	0.0366	ppb	110.2706
Bi 209	<	361645	1521.2095				ions/sec	
Cl 35		233	15.0445					
Ca 44		14	2.5166					
Ti 47		261	30.4473					
Br 81		4558	47.3251					
Kr 83		21	7.5056					