U.S. Environmental Protection Agency Region V

Superfund Document Management System (SDMS)

Lab Data Reference Sheet

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ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: F05-8802-022
PROJECT NAME: FIL0572SA / CASE # 11462
SAMPLERS: (Signature) Daniel Sullivan

LOW CONCENTRATION
Superfund 5883

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 L PLASTIC MT, CN						CRL LOG NUMBER	MATRIX
RW1	2-21-89	1015		X	RW1	2	2						89F509575	WATER
RW2	2-21-89	1040		X	RW2 / MSD	2	2						89F509576	WATER
RW3	2-21-89	1220		X	RW3	2	2						89F509577	WATER
DUP	2-21-89	1020		X	DUPLICATE	2	2						89F509575	WATER
BLK	2-21-89	1015		X	BLANK	2	2						89F509R08	WATER
													LOT # C8273054	
													C9023044	
													ITR IN COOLER 151	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Daniel Sullivan	2-21-89 1630	William Sanzotta			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Sanzotta	Date / Time 2/22/89 1200/pm	Remarks SHIPPED FED EX TO CENTRAL REGIONAL LAB AIRBILL 9976845255 CUSTODY SEALS 19138, 19139	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5-09456

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: FOS-8802-022
PROJECT NAME: FIL05725A / CASE # 11462
SAMPLERS: (Signature) Daniel Sullivan

LOW CONCENTRATIONS
Superfund 5883

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA	1 L AMBER / CT						CRL LOG NUMBER	MATRIX
RW2	2-21-89	1040		X	RW2/MSD	15	6	9						89FS09576	WATER
														LOT # 40 ml B8243394	
														1L AMBER H8264024	
														OTR IN COOLER 183	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Daniel Sullivan	2-21-89 1630	William Sanger Jr.			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		
		William Sanger Jr.	2/22/89	12:00pm	

Remarks: SHIPPED BY FED EX TO CRL
AIRBILL 9976845255
CUSTODY SEALS 19140, 19141

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5-09457

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: FOS-8802-022
PROJECT NAME: FIL0572SA / CASE # 11462
SAMPLERS: (Signature) Daniel Sullivan

LOW CONCENTRATIONS
Superfund 5883

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA	1L AMBER						CRL LOG NUMBER	MATRIX
RW1	2-21-89	1015		X	RW1	5	2	3						89F509575	WATER
RW3	2-21-89	1220		X	RW3	5	2	3						89F509577	WATER
DUP	2-21-89	1020		X	DUPLICATE	5	2	3						89F509575	WATER
BLK	2-21-89	1015		X	BLANK	5	2	3						89F509R08	WATER

LOT # 40ml B8243394
1L AMBER H8264044
H8264024

OTR in COOLER 183

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Daniel Sullivan	2-21-89 1630	William Sayer			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time		
		William Sayer	2/22/89 1200pm		

Remarks: SHIPPED BY FED EX TO CRL
AIRBILL 9976845255
CUSTODY SEALS 19142, 19143

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5-09980

TFA 302

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

DIVISION/BRANCH FIT (SUPERFUND) SAMPLE DATE 2/21/89 LAB ARRIVAL DATE 2/22/89 DUE DATE 3/~~14~~ 15/89

DU NUMBER ~~3965~~ TFA DATA SET NUMBER ~~5843~~ 5843 STUDY Export Packaging PRIORITY — CONTRACTOR CRL

CRL LOG NUMBER	SAMPLE DESCRIPTION	TOTAL METALS WATER TOTAL ICAP UG/L MET111	TOTAL METALS WATER AS UG/L MET161	TOTAL METALS WATER PB UG/L MET1191	TOTAL METALS WATER SB UG/L MET1201	TOTAL METALS WATER SE UG/L MET1211	TOTAL METALS WATER TL UG/L MET1221
89FS09S75	RW1 5-020062	✓	✓	✓	✓	✓	✓
89FS09S76	RW2 5-020069	✓	✓	✓	✓	✓	✓
89FS09S77	RW3 5-020081	✓	✓	✓	✓	✓	✓
~~89FS09S78~~	~~RW4~~	✓	✓	✓	✓	✓	✓
89FS09B75	Dup 5-020088	✓	✓	✓	✓	✓	✓
89FS09R08	blank 5-020095	✓	✓	✓	✓	✓	✓

TFA302

(9)

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

DIVISION/BRANCH SUPERFUND (FIT) SAMPLING DATE 2/21/89 LAB ARRIVAL DATE 2/22/89 DUE DATE 3/15/89

DU NUMBER TFA DATASET NUMBER 5883 STUDY EXPORT PACKAGING PRIORITY N CONTRACTOR CRL

MATRIX WATER
TEST CD
UNITS UG/L
PE1235826

CRL LOG NUMBER	SAMPLE DESCRIPTION	
89FS09		
S75	RW1-5-020062	X
D75	DUPLICATE-5-020088	X
S76	RW2-5-020069	X
S77	RW3 5-020081	X
R08	BLANK 5-020095	X

CRL V.2: 3/85

TFA302

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS - NUTRIENTS

DIVISION/BRANCH FIT (SUPERFUND SAMPLE DATE 2/21/89 LAB ARRIVAL DATE 2/22/89 DUE DATE 3/~~14~~ 15/89

DU NUMBER ~~5905~~ TFA DATA SET NUMBER 5883 STUDY Export Packaging PRIORITY — CONTRACTOR CRL

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER PHENOLICS UG PHENOL/L MIN 74818	WATER CYANIDE UG CN/L MIN 74919	WATER GROSS ALPHA P CI/L MIN 75020	WATER CR^{+6} UG CR^{+6}/L MIN 74616	WATER MERCURY UG HG/L MIN 74717
89FS09575	RW1 5-020063		✓			
89FS09576	RW2 5-020070		✓			
89FS09577	RW3 5-020082		✓			
~~89FS09578~~	~~RW4~~		✓			
89FS09B75	Dup 5-020089		✓			
89FS09R08	blank 5-020096		✓			

TFA302

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

DIVISION/BRANCH SUPERFUND FIT SAMPLE DATE 2/21/89 LAB ARRIVAL DATE 2/22/89 DUE DATE 3/~~14~~ 15/89

DU NUMBER ~~1965~~ TFA DATA SET NUMBER 5883 STUDY Export Packaging PRIORITY — CONTRACTOR CRL

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
89FS09S75	RW1 5-020065-6		✓	✓		
89FS09S76	5020003-1045-020072-73 RW2 5-020077-78		✓	✓		
89FS09S77	RW3 5-020084-85		✓	✓		
~~89FS09S78~~	~~RW4~~		✓	✓		D.I.
89FS09B75	Dup 5-020091-92		✓	✓		
89FS09R08	Blank 5-020098 5-020099		✓	✓		

TFA302

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

DIVISION/BRANCH SUPERFUND (FIT) SAMPLE DATE 2/21/89 LAB ARRIVAL DATE 2/22/89 DUE DATE 3/15/89

DU NUMBER TFA DATA SET NUMBER 5883 STUDY EXPORT PACKAGING PRIORITY N CONTRACTOR CRL

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17664	WATER ABN ORGANICS SCAN UG/L TOX 17674	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
89FS09S75	RW1 5-020067-68	X			
89FS09D75	DUPLICATE 5-020093-94	X			
89FS09S76	RW2/MSD 5-020074-75+79-80 5-020105-106	X			
89FS09S77	RW3 5-020086-87	X			
89FS09R08	BLANK 5-020100-101	X			
89FS09S75	RW1 5-020064		X		
89FS09D75	DUPLICATE 5-020090		X		
89FS09S76	5-020076/5-020071 RW2/MSD 5-020102		X		
89FS09S77	RW3 5-020083		X		
89FS09R08	BLANK 5-020097		X		

Run 655 (A)

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: MAR 22 1989

SUBJECT: Review of Region 5 data for Export Packaging

FROM: Curtis Ross, Director Chi Tang for
Region 5 Central Regional Laboratory

To: Data User:

Attached are the results for:

CRL Data Set Numbers: SF 5883
Sample Numbers: 89F509 575-77, B75, R08
Parameter(s): ICP
Laboratory: CRL

Results Status:

(X) DATA ACCEPTABLE FOR USE*
( ) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to David Payne, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

Sylvia Griffin
MAR 22 1989

U.S. EPA CENTRAL
REGIONAL LAB

RECEIVED BY/DATE:

Comments.

DATA SET	SITE	DU/ACT.
SF5883	Export Packaging	Y905/TFA302

9TFA05 WU 22

SAMPLES	PARAMETER(S)
89FS09575,576,577,875,R08	ICP

SAMPLED	RECEIVED	DUE	LAB
21 Feb 89	22 Feb 89	15 Mar 89	CRL

SHIPPED	DATA RECEIVED	CONTRACT
NA →	→	→

Comments By Reviewer: Sn not reported due to consistent high spike

Fe in blank appears to be isolated case.

Fe not found in field blanks (except SF5906 where confirmed)

89FS09575 was run for K at a later date on

~~Sn~~ CLP 9209. Target Analyte List doesn't contain Sn.

(X) REVIEWED ( ) UNREVIEWED TEAM LEADER/DATE John V. Moore 10 Mar 89

(✓) REVIEWED ( ) UNREVIEWED SECTION CHIEF/DATE Chi Yang 3/31/89

( ) REVIEWED ( ) UNREVIEWED QC COORDINATOR/DATE

REVIEWED BY CONTRACT COORDINATOR/DATE

RECEIVED 3/22/89 TRANSMITTED 3/22/89 DATA MANAGEMENT COORDINATOR Sylvia Griffin

CC: QUALITY CONTROL COORDINATOR

JVM
17Mar89

SAMPLE REPORT

Sample SF5883 FS09S75 Operator MS

Date analyzed 03/12/89 File name ANADATA

Element	Unit	Concentration
Potassium	mg/L	5.0 U

MS 3/14/89

SAMPLE REPORT Export Packaging

Sample SF5883 FS09S75 Operator MS

Date analyzed 03/07/89 File name RUN655A

Element	Unit	Concentration
Silver	ug/L	6.0 U
Aluminum	ug/L	80.0 U
Boron	ug/L	213.
Barium	ug/L	508.
Beryllium	ug/L	1.0 U
Calcium	mg/L	78.2
Cadmium	ug/L	10.0 U
Cobalt	ug/L	6.0 U
Chromium	ug/L	8.0 U
Copper	ug/L	6.0 U
Iron	ug/L	935.
Lithium	ug/L	25.1
Magnesium	mg/L	32.1
Manganese	ug/L	44.8
Molybdenum	ug/L	15.0 U
Sodium	mg/L	21.6
Nickel	ug/L	15.0 U
Lead	ug/L	70.0 U
Strontium	ug/L	590.
Titianium	ug/L	25.0 U
Vanadium	ug/L	5.0 U
Yttrium	ug/L	5.0 U
Zinc	ug/L	316.

MS 3/8/89

SAMPLE REPORT

Sample SF5883 FS09B75 Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Silver	ug/L	6.0 U
Aluminum	ug/L	80.0 U
Boron	ug/L	208.
Barium	ug/L	521.
Beryllium	ug/L	1.0 U
Calcium	mg/L	77.4
Cadmium	ug/L	10.0 U
Cobalt	ug/L	6.0 U
Chromium	ug/L	8.0 U
Copper	ug/L	6.1
Magnesium	mg/L	32.3
Iron	ug/L	932.
Potassium	mg/L	5.0 U
Lithium	ug/L	24.3
Manganese	ug/L	44.6
Molybdenum	ug/L	15.0 U
Sodium	mg/L	22.1
Nickel	ug/L	15.0 U
Lead	ug/L	70.0 U
Strontium	ug/L	600.
Titianium	ug/L	25.0 U
Vanadium	ug/L	5.0 U
Yttrium	ug/L	5.0 U
Zinc	ug/L	323.

MS 3/9/89

SAMPLE REPORT

Sample SF5883 FS09S76 Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Silver	ug/L	6.0 U
Aluminum	ug/L	80.0 U
Boron	ug/L	80.0 U
Barium	ug/L	114.
Beryllium	ug/L	1.0 U
Calcium	mg/L	97.2
Cadmium	ug/L	10.0 U
Cobalt	ug/L	6.0 U
Chromium	ug/L	8.0 U
Copper	ug/L	9.0
Magnesium	mg/L	27.4
Iron	ug/L	383.
Potassium	mg/L	5.0 U
Lithium	ug/L	12.7
Manganese	ug/L	206.
Molybdenum	ug/L	15.0 U
Sodium	mg/L	12.9
Nickel	ug/L	15.0 U
Lead	ug/L	70.0 U
Strontium	ug/L	154.
Titianium	ug/L	25.0 U
Vanadium	ug/L	5.0 U
Yttrium	ug/L	5.0 U
Zinc	ug/L	40.0 U

MS 3/9/89

SAMPLE REPORT

Sample SF5883 FS09S77 Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Silver	ug/L	6.0 U
Aluminum	ug/L	80.0 U
Boron	ug/L	174.
Barium	ug/L	330.
Beryllium	ug/L	1.0 U
Calcium	mg/L	32.7
Cadmium	ug/L	10.0 U
Cobalt	ug/L	6.0 U
Chromium	ug/L	8.0 U
Copper	ug/L	6.0
Magnesium	mg/L	12.6
Iron	ug/L	1130.
Potassium	mg/L	5.0 U
Lithium	ug/L	16.3
Manganese	ug/L	6.0
Molybdenum	ug/L	15.0 U
Sodium	mg/L	101.
Nickel	ug/L	15.0 U
Lead	ug/L	70.0 U
Strontium	ug/L	225.
Titianium	ug/L	25.0 U
Vanadium	ug/L	5.0 U
Yttrium	ug/L	5.0 U
Zinc	ug/L	618.

MS 3/9/89

SAMPLE REPORT

Sample SF5883 FS09R08 Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Silver	ug/L	6.0 U
Aluminum	ug/L	80.0 U
Boron	ug/L	80.0 U
Barium	ug/L	6.0 U
Beryllium	ug/L	1.0 U
Calcium	mg/L	0.5 U
Cadmium	ug/L	10.0 U
Cobalt	ug/L	6.0 U
Chromium	ug/L	8.0 U
Copper	ug/L	6.0 U
Magnesium	mg/L	0.1 U
Iron	ug/L	80.0 U
Potassium	mg/L	5.0 U
Lithium	ug/L	10.0 U
Manganese	ug/L	5.0 U
Molybdenum	ug/L	15.0 U
Sodium	mg/L	1.0 U
Nickel	ug/L	15.0 U
Lead	ug/L	70.0 U
Strontium	ug/L	10.0 U
Titianium	ug/L	25.0 U
Vanadium	ug/L	5.0 U
Yttrium	ug/L	5.0 U
Zinc	ug/L	40.0 U

MS 3/9/89

DIGESTION RECORD

RUN NUMBER 655

Prepared by AHS Date 3/2/89

Analyzed by Date

Vessel number	Data Set	Sample Number	Notes	Vessel Number	Data Set	Sample Number	Notes
1	SF 5887	FS09 S84	SMP1	23	SF5889	FZ09 S79	Dup 2
2		FS09 B84		24	SF5889	FZ09 S79	Spike 2
3		FS09 S85		25	SF5883	FS09 B75	
4		FS09 S86		26	SF5883	FS09 S76	Smp3
5		FS09 S87		27		FS09 S77	
6	SF5887	FS09 R01		28	SF5883	FS09 R08	
7	SF5888	FZ09 S89		29	Blank		
8		FZ09 S90		30	SF5883	FS09 S76	Dup 3
9		FZ09 B90		31	SF5883	FS09 S76	Spk 3
10	Blank						
11	SF5887	FS09 S84	Dup 1				
12	SF5887	FS09 S84	Spike 1				
13	SF5888	FZ09 S91	SMP2				
14		FZ09 B02					
15	FS5889	FZ09 S79					
16		FZ09 S80					
17		FZ09 B80					
18		FZ09 S81					
19		FZ09 S82					
20		FZ09 R09					
21	Blank						
22	SF5883	FS09 S75					

BLANK REPORT

Blank first instrument — Operator MS

Date analyzed 03/07/89 — File RUN655A

Element	Units	Detection limit	Blank value
Ag	ug/L	6.0	-1.0
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	0.5
B	ug/L	80.0	-4.4
Ba	ug/L	6.0	-0.2
Be	ug/L	1.0	-0.2
Cahigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	0.2
Co	ug/L	6.0	-2.7
Cr	ug/L	8.0	-2.8
Cu	ug/L	6.0	-0.2
Felow	ug/L	80.0	0.0
Fehigh	mg/L	20.0	0.6
Li	ug/L	10.0	0.2
Mg	mg/L	0.1	0.0
Mn	ug/L	5.0	-0.1
Mo	ug/L	15.0	-1.1
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	6.8
Pb	ug/L	70.0	16.0
Sn	ug/L	40.0	9.2
Sr	ug/L	10.0	0.1
Ti	ug/L	25.0	-0.7
V	ug/L	5.0	-0.1
Y	ug/L	5.0	-0.1
Znlow	ug/L	40.0	-0.3
Znhigh	mg/L	20.0	0.0

MS 3/7/89

BLANK REPORT

Blank SECOND INSTRUMENT Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Detection limit	Blank value
Ag	ug/L	6.0	-0.4
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-6.1
B	ug/L	80.0	6.6
Ba	ug/L	6.0	0.0
Be	ug/L	1.0	-0.1
Cahigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	1.3
Co	ug/L	6.0	-1.5
Cr	ug/L	8.0	1.4
Cu	ug/L	6.0	0.3
Felow	ug/L	80.0	-1.3
Fehigh	mg/L	20.0	0.7
Li	ug/L	10.0	1.5
Mg	mg/L	0.1	0.0
Mn	ug/L	5.0	0.3
Mo	ug/L	15.0	-0.4
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	9.5
Pb	ug/L	70.0	25.9
Sn	ug/L	40.0	18.5
Sr	ug/L	10.0	0.4
Ti	ug/L	25.0	0.7
V	ug/L	5.0	0.2
Y	ug/L	5.0	0.2
Znlow	ug/L	40.0	-1.2
Znhigh	mg/L	20.0	0.2

MS 3/7/89

BLANK REPORT

Blank INSTRUMENT THIRD Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Detection limit	Blank value
Ag	ug/L	6.0	-0.6
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-5.2
B	ug/L	80.0	-0.3
Ba	ug/L	6.0	-0.1
Be	ug/L	1.0	-0.1
Canigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	0.7
Co	ug/L	6.0	-2.7
Cr	ug/L	8.0	-0.3
Cu	ug/L	6.0	-1.3
Felow	ug/L	80.0	4.6
Fehigh	mg/L	20.0	1.0
Li	ug/L	10.0	3.6
Mg	mg/L	0.1	0.0
Mn	ug/L	5.0	0.7
Mo	ug/L	15.0	-2.7
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	9.0
Pb	ug/L	70.0	14.3
Sn	ug/L	40.0	15.9
Sr	ug/L	10.0	0.7
Ti	ug/L	25.0	1.9
V	ug/L	5.0	-1.0
Y	ug/L	5.0	0.0
Znlow	ug/L	40.0	1.3
Znhigh	mg/L	20.0	0.3

MS 3/7/89

BLANK REPORT

Blank DIGESTION 21 Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Detection limit	Blank value
Ag	ug/L	6.0	-1.8
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-2.2
B	ug/L	80.0	16.6
Ba	ug/L	6.0	0.0
Be	ug/L	1.0	-0.2
Cahigh	mg/L	20.0	0.1
Calow	mg/L	0.5	0.1
Cd	ug/L	10.0	1.4
Co	ug/L	6.0	-3.0
Cr	ug/L	8.0	-1.0
Cu	ug/L	6.0	-0.3
Felow	ug/L	80.0	27.7
Fehigh	mg/L	20.0	0.9
Li	ug/L	10.0	2.4
Mg	mg/L	0.1	0.0
Mn	ug/L	5.0	0.5
Mo	ug/L	15.0	-2.1
Na	mg/L	1.0	0.1
Ni	ug/L	15.0	9.9
Pb	ug/L	70.0	27.0
Sn	ug/L	40.0	5.2
Sr	ug/L	10.0	0.4
Ti	ug/L	25.0	4.2
V	ug/L	5.0	-0.2
Y	ug/L	5.0	0.0
Znlow	ug/L	40.0	16.3
Znhigh	mg/L	20.0	0.2

MS
3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID AQC FIRST Operator

Date analyzed 03/07/89 File RUN655A

Element	Units	Found value	True value	Percent Deviation
Allow	ug/L	5010.8	5200	3.6%
B	ug/L	4851.3	5000	3.0%
Ba	ug/L	4821.5	5000	3.6%
Be	ug/L	4915.7	5000	1.7%
Calow	mg/L	4.8	5	4.0%
Cd	ug/L	4902.2	5000	2.0%
Co	ug/L	4969.1	5000	0.6%
Cr	ug/L	4844.7	5000	3.1%
Cu	ug/L	4840.6	5000	3.2%
Felow	ug/L	4902.0	5000	2.0%
Li	ug/L	4933.4	5000	1.3%
Mg	mg/L	4.9	5	2.0%
Mn	ug/L	4830.8	5000	3.4%
Mo	ug/L	4931.8	5000	1.4%
Ni	ug/L	4856.4	5000	2.9%
Pb	ug/L	4880.2	5000	2.4%
Sn	ug/L	5024.1	5000	0.5%
Sr	ug/L	4994.8	5000	0.1%
Ti	ug/L	4875.6	5000	2.5%
V	ug/L	4719.2	5000	5.6% *
Y	ug/L	5037.0	5000	0.7%
Znlow	ug/L	4854.3	5000	2.9%

MS 3/7/89

Spike only for 5887 FS09584

QUALITY CONTROL SAMPLE REPORT

QC ID AQC SECOND Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Found value	True value	Percent Deviation
Allow	ug/L	5210.3	5200	0.2%
B	ug/L	5014.6	5000	0.3%
Ba	ug/L	5007.1	5000	0.1%
Be	ug/L	5071.9	5000	1.4%
Calow	mg/L	5.0	5	0.0%
Cd	ug/L	5060.4	5000	1.2%
Co	ug/L	5139.1	5000	2.8%
Cr	ug/L	4993.1	5000	0.1%
Cu	ug/L	5018.1	5000	0.4%
Felow	ug/L	5078.3	5000	1.6%
Li	ug/L	5133.3	5000	2.7%
Mg	mg/L	5.0	5	0.0%
Mn	ug/L	4986.8	5000	0.3%
Mo	ug/L	5111.9	5000	2.2%
Ni	ug/L	4990.2	5000	0.2%
Pb	ug/L	5054.3	5000	1.1%
Sn	ug/L	5213.9	5000	4.3%
Sr	ug/L	5192.3	5000	3.8%
Ti	ug/L	5040.6	5000	0.8%
V	ug/L	4871.7	5000	2.6%
Y	ug/L	5228.0	5000	4.6%
Znlow	ug/L	5016.0	5000	0.3%

MS 3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID AQC THIRD Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Found value	True value	Percent Deviation
Allow	ug/L	5131.8	5200	1.3%
B	ug/L	4940.5	5000	1.2%
Ba	ug/L	4915.6	5000	1.7%
Be	ug/L	5068.9	5000	1.4%
Calow	mg/L	4.9	5	2.0%
Cd	ug/L	5099.6	5000	2.0%
Co	ug/L	5136.0	5000	2.7%
Cr	ug/L	5027.7	5000	0.6%
Cu	ug/L	4946.0	5000	1.1%
Felow	ug/L	5060.1	5000	1.2%
Li	ug/L	4987.3	5000	0.3%
Mg	mg/L	4.9	5	2.0%
Mn	ug/L	4972.8	5000	0.5%
Mo	ug/L	5112.6	5000	2.3%
Ni	ug/L	5017.3	5000	0.3%
Pb	ug/L	5127.9	5000	2.6%
Sn	ug/L	5231.5	5000	4.6%
Sr	ug/L	5103.4	5000	2.1%
Ti	ug/L	5018.9	5000	0.4%
V	ug/L	4867.9	5000	2.6%
Y	ug/L	5163.8	5000	3.3%
Znlow	ug/L	5046.8	5000	0.9%

MS 3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC FIRST

Operator MS

Date analyzed 03/07/89

File RUN655A

Element	Units	Found value	True value	Percent Deviation
Alhigh	mg/L	95.4	100	4.6%
Cahigh	mg/L	99.8	100	0.2%
Fehigh	mg/L	99.4	100	0.6%
Na	mg/L	101.6	100	1.6%
Znhigh	mg/L	97.7	100	2.3%

MS 3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC SECOND Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Found value	True value	Percent Deviation
Alhigh	mg/L	95.5	100	4.5%
Cahigh	mg/L	99.4	100	0.6%
Fehigh	mg/L	99.2	100	0.8%
Na	mg/L	101.7	100	1.7%
Znhigh	mg/L	97.3	100	2.7%

MS 3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC THIRD

Operator MS

Date analyzed 03/07/89

File RUN655A

Element	Units	Found value	True value	Percent Deviation
Alhigh	mg/L	94.8	100	5.2%
Cahigh	mg/L	101.4	100	1.4%
Fehigh	mg/L	100.6	100	0.6%
Na	mg/L	99.5	100	0.5%
Znhigh	mg/L	98.0	100	2.0%

MS 3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG FIRST Operator

Date analyzed 03/07/89 File RUN655A

Element	Units	Found value	True value	Percent Deviation
Ag	ug/L	50.3	50	0.6%

JM 3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG SECOND Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Found value	True value	Percent Deviation
Ag	ug/L	52.6	50	5.2%

MS 3/7/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG THIRD Operator MS

Date analyzed 03/07/89 File RUN655A

Element	Units	Found value	True value	Percent Deviation
Ag	ug/L	51.1	50	2.2%

MS 3/7/89

DUPLICATE

Sample SF5089 FZ09S79 Operator MS

Date Analyzed 03/07/89 File RUN655A

Element	Units	Sample	Duplicate	Difference	RPD
Ag	ug/L	-1.1	-0.5	0.6	[illegible]
Alhigh	mg/L	0.0	0.1	0.1	20U
Allow	ug/L	14.0	23.4	9.4	80U
B	ug/L	74.4	69.6	-4.8	80U
Ba	ug/L	16.0	16.6	0.6	6U
Be	ug/L	-0.1	0.0	0.1	1U
Cahigh	mg/L	24.8	25.3	0.5	20U
Calow	mg/L	24.1	24.4	0.3	1U
Cd	ug/L	0.1	1.4	1.3	10U
Co	ug/L	0.6	-0.5	-1.1	6U
Cr	ug/L	0.2	-1.4	-1.6	8U
Cu	ug/L	9.2	10.5	1.3	6U
Felow	ug/L	791.7	817.0	25.3	80U
Fehigh	mg/L	1.9	2.0	0.1	20U
Li	ug/L	140.5	141.1	0.6	10U
Mg	mg/L	18.7	19.0	0.3	1%
Mn	ug/L	210.0	213.2	3.2	5U
Mo	ug/L	-4.7	-0.5	4.2	15U
Na	mg/L	6.9	6.9	0.0	1U
Ni	ug/L	20.2	20.8	0.6	15U
Pb	ug/L	53.0	53.1	0.1	70U
Sn	ug/L	-2.3	8.4	10.7	40U
Sr	ug/L	109.7	110.9	1.2	10U
Ti	ug/L	5.6	6.5	0.9	25U
V	ug/L	-0.1	-0.4	-0.3	5U
Y	ug/L	0.1	0.0	-0.1	5U
Znlow	ug/L	176.9	208.3	31.4	40U
Znhigh	mg/L	0.3	0.4	0.1	20U

MS 3/7/89

SPIKE COMPARISON

Sample SF5889 FZ09S79 Analyzed by MS

Date Analyzed 03/07/89 File RUN655A smp2

Element	Units	Sample	Spike	Spike Added	Recovery
Ag	ug/L	-1.1	42.6	50.0	87%
Alhigh	mg/L	0.0	0.9	0.8	110%
Allow	ug/L	14.0	793.6	800.0	97%
B	ug/L	74.4	883.6	800.0	101%
Ba	ug/L	16.0	212.7	200.0	98%
Be	ug/L	-0.1	9.6	10.0	97%
Cahigh	mg/L	24.8	76.5	50.0	103%
Calow	mg/L	24.1	75.9	50.0	104%
Cd	ug/L	0.1	25.7	25.0	103%
Co	ug/L	0.6	103.5	100.0	103%
Cr	ug/L	0.2	106.1	100.0	106%
Cu	ug/L	9.2	56.2	50.0	94%
Felow	ug/L	791.7	1566.5	800.0	97%
~~Fehigh~~	~~mg/L~~	~~1.9~~	~~3.3~~	~~0.8~~	~~175%*~~
Li	ug/L	140.5	199.4	54.0	109%
Mg	mg/L	18.7	43.2	25.0	98%
Mn	ug/L	210.0	314.7	100.0	105%
Mo	ug/L	-4.7	111.6	100.0	116%*
Na	mg/L	6.9	56.5	50.0	99%
Ni	ug/L	20.2	168.4	150.0	99%
Pb	ug/L	53.0	850.6	800.0	100%
Sn	ug/L	-2.3	488.0	400.0	123%*
Sr	ug/L	109.7	1116.6	1000.0	101%
Ti	ug/L	5.6	109.3	100.0	104%
V	ug/L	-0.1	47.4	50.0	95%
Y	ug/L	0.1	51.0	50.0	102%
Znlow	ug/L	176.9	570.7	400.0	98%
~~Znhigh~~	~~mg/L~~	~~0.3~~	~~0.9~~	~~1.0~~	~~62%*~~

MS 3/7/89
Mo & Sn out of limits

Samples analyzed by SED5 on 03/07/89 stored in file RUN655A .

Data set	Sample id	Dig QC	Ins QC
	cu for iec	iec	S
	al for iec	iec	S
	fe for iec	iec	S
	as for iec	iec	S
	cr for iec	iec	S
	first instrument		B
	AG FIRST		Q
	AQC FIRST		Q
	HIGH AQC FIRST		Q
	ICAP 19 NEW		S
	ICAP 19 OLD		S
	ICAP 7 OLD		S
	ICAP 7 NEW		S
SF5887	FS09S84	SMP1	S
SF5887	FS09S84 SPK	SPK1	S
	SECOND INSTRUMENT		B
	AG SECOND		Q
	AQC SECOND		Q
	HIGH AQC SECOND		Q
SF5888	FX09S91	~~SMP1~~	S
SF5888	FX09R02		S
SF5889	FX09S79	smp2	S
SF5889	FX09S80		S
SF5889	FX09B80		S
SF5889	FX09S81		S
SF5889	FZ09S82		S
SF5889	FZ09R09		S
	DIGESTION 21		B
SF5883	FS09S75		S
SF5889	FZ09S79 DUP	DUP2	S
SF5889	FZ09S79 SPK	SPK2	S
	INSTRUMENT THIRD		B
	AQC THIRD		Q
	AG THIRD		Q
	HIGH AQC THIRD		Q
	AQC FOURTH		Q

JW 13 Mar 89

BLANK REPORT

Blank name first instrument

Operator

Date analyzed 03/12/89

File name ANADATA

Element	Units	Detection limit	Blank Value
K	mg/L	5.0	0.3

MS 3/14/89

JM
13 Mar 89

BLANK REPORT

Blank name DIGESTION 10 Operator MS

Date analyzed 03/12/89 File name ANADATA

Element	Units	Detection limit	Blank Value
K	mg/L	5.0	0.1

MS 3/14/89

JLM
13 Mar 89

BLANK REPORT

Blank name SECOND INSTRUMENT

Operator MS

Date analyzed 03/12/89

File name ANADATA

Element	Units	Detection limit	Blank Value
K	mg/L	5.0	0.2

MS 3/14/89

JM
13Mar89

BLANK REPORT

Blank name DIGESTION 21 Operator MS

Date analyzed 03/12/89 File name ANADATA

Element	Units	Detection limit	Blank Value
K	mg/L	5.0	0.1

MS 3/14/89

MS
3/14/89

BLANK REPORT

Blank name THIRD INSTRUMENT Operator MS

Date analyzed 03/12/89 File name ANADATA

Element	Units	Detection limit	Blank Value
K	mg/L	5.0	2.0

MS 3/14/89

JVM
13 Mar 89

QUALITY CONTROL SAMPLE REPORT

QC ID high k

Operator MS

Date analyzed 03/12/89

File name ANADATA

Element	Units	Found Value	True Value	Percent Deviation
K	mg/L	101.1	100	1.1%

MS 3/14/89

JM
13 Mar 89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH K SECOND

Operator MS

Date analyzed 03/12/89

File name ANADATA

Element	Units	Found Value	True Value	Percent Deviation
K	mg/L	100.2	100	0.2%

MS 3/14/89

JM 17 Mar 89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH K THIRD

Operator MS

Date analyzed 03/12/89

File name ANADATA

Element	Units	Found Value	True Value	Percent Deviation
K	mg/L	100.6	100	0.6%

MS 3/14/89

DUPLICATE

Sample sf5887 fs09s84 Operator MS

Date Analyzed 03/12/89 File ANADATA

Element	Units	Sample	Duplicate	Difference	RPD
K	mg/L	1.5	1.1	-0.4	5u

MS 3/14/89

DUPLICATE

Sample SF5889 FZ09S79 Operator MS

Date Analyzed 03/12/89 File ANADATA

Element	Units	Sample	Duplicate	Difference	RPD
K	mg/L	3.1	1.1	-2.0	5U

MS 3/14/89

JVA 17 Mar 89

SPIKE COMPARISON

Sample SF5889 FZ09S79 Analyzed by MS

Date Analyzed 03/12/89 File ANADATA SMP1

Element	Units	Sample	Spike	Spike Added	Recovery
K	mg/L	3.1	22.3	20.0	96%

MS 3/14/89

Jm 17Mar89

SPIKE COMPARISON

Sample sf5887 fs09s84 Analyzed by MS

Date Analyzed 03/12/89 File ANADATA smp1

Element	Units	Sample	Spike	Spike Added	Recovery
K	mg/L	1.5	22.3	20.0	104%

MS 3/14/89

DIGESTION RECORD

RUN NUMBER 655

Prepared by AMS Date 3/2/89

Analyzed by Date

Vessel number	Data Set	Sample Number	Notes	Vessel Number	Data Set	Sample Number	Notes
1	SF 5887	FS09 S84	SMP1	23	SF5889	FZ09 S79	Dup 2
2		FS09 B84		24	SF5889	FZ09 S79	Spike 2
3		FS09 S85		25	SF5883	FS09 B75	
4		FS09 S86		26	SF5883	FS09 S76	Dup 3
5		FS09 S87		27		FS09 S77	
6	SF5887	FS09 R01		28	SF5883	FS09 R08	
7	SF5888	FZ09 S89		29	Blank		
8		FZ09 S90		30	SF5883	FS09 S76	Dup 3
9		FZ09 B90		31	SF5883	FS09 S76	Spk 3
10	Blank						
11	SF5887	FS09 S84	Dup 1				
12	SF5887	FS09 S84	Spike 1				
13	SF5888	FZ09 S91	SMP2				
14		FZ09 B02					
15	FS5889	FZ09 S79					
16		FZ09 S80					
17		FZ09 B80					
18		FZ09 S81					
19		FZ09 S82					
20		FZ09 R09					
21	Blank						
22	SF5883	FS09 S75					

DIGESTION RECORD

RUN NUMBER 656

Prepared by [redacted]S Date 3/6/89

Analyzed by MS Date 3/6-3/8

Vessel number	Data Set	Sample Number	Notes	Vessel Number	Data Set	Sample Number	Notes
13	SF5906	FC10 S14					
14		FC10 S15					
15		FC10 S16					
16		FC10 S17					
17		FC10 S18					
18		FC10 S19					
19		FC10 S20					
20		FC10 S21					
21		FC10 B21					
22	SF5906	FC10 S14	Dup				
23	SF5906	FC10 S14	Spike				
24	Blank						
25	SF5906	FC10 S22					
26		FC10 S23					
27		FC10 R03					
28		FC10 R04					
29	SF5906	FC10 S22	Dup				
30	SF5906	FC10 S23	Spike				
31	Blank						

BLANK REPORT

Blank name first instrument

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-0.9
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-8.2
B	ug/L	80.0	-0.4
Ba	ug/L	6.0	0.2
Be	ug/L	1.0	0.2
Cahigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	-0.1
Co	ug/L	6.0	1.2
Cr	ug/L	8.0	-6.1
Cu	ug/L	6.0	-0.5
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	3.9
Fehigh	mg/L	20.0	0.8
K	mg/L	5.0	-0.2
Li	ug/L	10.0	2.2
Mn	ug/L	5.0	0.7
Mo	ug/L	15.0	-2.7
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	-7.9
Pb	ug/L	70.0	-5.1
Sr	ug/L	10.0	0.5
Ti	ug/L	25.0	1.6
V	ug/L	5.0	2.7
Y	ug/L	5.0	0.2
Znlow	ug/L	40.0	0.4
Znhigh	mg/L	20.0	0.2

MS 3/9/89

BLANK REPORT

Blank name DIGESTION 29 Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-1.2
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	2.8
B	ug/L	80.0	4.5
Ba	ug/L	6.0	0.6
Be	ug/L	1.0	-0.2
Cahigh	mg/L	20.0	0.1
Calow	mg/L	0.5	0.1
Cd	ug/L	10.0	-1.3
Co	ug/L	6.0	0.4
Cr	ug/L	8.0	1.2
Cu	ug/L	6.0	0.7
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	121.5 *
Fehigh	mg/L	20.0	1.0
K	mg/L	5.0	0.4
Li	ug/L	10.0	0.9
Mn	ug/L	5.0	0.5
Mo	ug/L	15.0	-2.0
Na	mg/L	1.0	0.1
Ni	ug/L	15.0	-7.7
Pb	ug/L	70.0	2.1
Sr	ug/L	10.0	0.3
Ti	ug/L	25.0	4.7
V	ug/L	5.0	-0.3
Y	ug/L	5.0	-0.1
Znlow	ug/L	40.0	25.2
Znhigh	mg/L	20.0	0.0

MS
Fe Contamination

BLANK REPORT

Blank name SECOND INSTRUMENT Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-0.2
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-1.3
B	ug/L	80.0	-2.0
Ba	ug/L	6.0	0.1
Be	ug/L	1.0	-0.1
Cahigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	-1.4
Co	ug/L	6.0	0.8
Cr	ug/L	8.0	0.0
Cu	ug/L	6.0	-0.1
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	4.9
Fehigh	mg/L	20.0	0.9
K	mg/L	5.0	0.6
Li	ug/L	10.0	4.1
Mn	ug/L	5.0	0.6
Mo	ug/L	15.0	-4.8
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	-4.9
Pb	ug/L	70.0	-8.9
Sr	ug/L	10.0	0.7
Ti	ug/L	25.0	2.3
V	ug/L	5.0	-1.3
Y	ug/L	5.0	-0.3
Znlow	ug/L	40.0	0.3
Znhigh	mg/L	20.0	0.2

MS 3/9/89

BLANK REPORT

Blank name THIRD INSTRUMENT

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-1.4
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-10.3
B	ug/L	80.0	-6.9
Ba	ug/L	6.0	0.2
Be	ug/L	1.0	-0.2
Cahigh	mg/L	20.0	0.1
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	0.1
Co	ug/L	6.0	2.2
Cr	ug/L	8.0	-0.9
Cu	ug/L	6.0	-0.4
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	3.5
Felhigh	mg/L	20.0	0.8
K	mg/L	5.0	0.3
Li	ug/L	10.0	2.9
Mn	ug/L	5.0	0.3
Mo	ug/L	15.0	-1.6
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	-7.2
Pb	ug/L	70.0	11.5
Sr	ug/L	10.0	0.4
Ti	ug/L	25.0	1.4
V	ug/L	5.0	-0.5
Y	ug/L	5.0	-0.1
Znlow	ug/L	40.0	0.2
Znhigh	mg/L	20.0	0.1

MS 3/9/89

BLANK REPORT

Blank name FOURTH INSTRUMENT Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-0.7
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-4.9
B	ug/L	80.0	-13.0
Ba	ug/L	6.0	0.1
Be	ug/L	1.0	-0.1
Cahigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	0.0
Co	ug/L	6.0	2.5
Cr	ug/L	8.0	-2.7
Cu	ug/L	6.0	-0.1
Hg	mg/L	0.1	0.0
Felow	ug/L	80.0	3.1
Fehigh	mg/L	20.0	0.7
K	mg/L	5.0	0.8
Li	ug/L	10.0	0.7
Mn	ug/L	5.0	-0.1
Mo	ug/L	15.0	-2.4
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	4.5
Pb	ug/L	70.0	19.1
Sr	ug/L	10.0	0.1
Ti	ug/L	25.0	0.3
V	ug/L	5.0	-0.4
Y	ug/L	5.0	-0.3
Znlow	ug/L	40.0	-0.4
Znhigh	mg/L	20.0	-0.1

MS 3/9/89

BLANK REPORT

Blank name DIGESTION 24 Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-0.9
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-12.4
B	ug/L	80.0	-9.9
Ba	ug/L	6.0	0.3
Be	ug/L	1.0	-0.2
Cahigh	mg/L	20.0	0.1
Calow	mg/L	0.5	0.1
Cd	ug/L	10.0	-0.8
Co	ug/L	6.0	3.3
Cr	ug/L	8.0	-1.1
Cu	ug/L	6.0	-0.8
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	3.0
Fehigh	mg/L	20.0	0.8
K	mg/L	5.0	0.0
Li	ug/L	10.0	0.9
Mn	ug/L	5.0	-0.4
Mo	ug/L	15.0	-8.8
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	-6.4
Pb	ug/L	70.0	7.7
Sr	ug/L	10.0	0.2
Ti	ug/L	25.0	2.8
V	ug/L	5.0	-1.1
Y	ug/L	5.0	-0.2
Znlow	ug/L	40.0	1.5
Znhigh	mg/L	20.0	-0.3

MS 3/9/89

BLANK REPORT

Blank name FIFTH INSTRUMENT

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-0.5
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-8.8
B	ug/L	80.0	-4.7
Ba	ug/L	6.0	-0.1
Be	ug/L	1.0	0.0
Cahigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	-1.9
Co	ug/L	6.0	1.4
Cr	ug/L	8.0	-3.3
Cu	ug/L	6.0	-0.2
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	4.3
Fehigh	mg/L	20.0	0.8
K	mg/L	5.0	0.4
Li	ug/L	10.0	2.2
Mn	ug/L	5.0	0.3
Mo	ug/L	15.0	0.4
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	-8.3
Pb	ug/L	70.0	14.5
Sr	ug/L	10.0	0.5
Ti	ug/L	25.0	1.6
V	ug/L	5.0	-1.1
Y	ug/L	5.0	-0.4
Znlow	ug/L	40.0	0.3
Znhigh	mg/L	20.0	0.2

MS 3/9/89

BLANK REPORT

Blank name DIGESTION 31 Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-0.8
Alhigh	mg/L	20.0	0.0
Allow	ug/L	80.0	-9.2
B	ug/L	80.0	-8.5
Ba	ug/L	6.0	0.6
Be	ug/L	1.0	0.0
Cahigh	mg/L	20.0	0.1
Calow	mg/L	0.5	0.1
Cd	ug/L	10.0	-0.5
Co	ug/L	6.0	3.0
Cr	ug/L	8.0	0.7
Cu	ug/L	6.0	0.9
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	25.8
Fehigh	mg/L	20.0	0.9
K	mg/L	5.0	1.0
Li	ug/L	10.0	0.9
Mn	ug/L	5.0	0.2
Mo	ug/L	15.0	-2.7
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	-8.6
Pb	ug/L	70.0	7.7
Sr	ug/L	10.0	0.4
Ti	ug/L	25.0	4.2
V	ug/L	5.0	-0.1
Y	ug/L	5.0	0.1
Znlow	ug/L	40.0	2.8
Znhigh	mg/L	20.0	-0.1

MMS 3/9/89

BLANK REPORT

Blank name SIXTH INSTRUMENT

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Detection limit	Blank Value
Ag	ug/L	6.0	-1.2
Alhigh	mg/L	20.0	0.1
Allow	ug/L	80.0	-6.2
B	ug/L	80.0	-3.3
Ba	ug/L	6.0	-0.1
Be	ug/L	1.0	0.1
Cahigh	mg/L	20.0	0.0
Calow	mg/L	0.5	0.0
Cd	ug/L	10.0	-0.9
Co	ug/L	6.0	1.4
Cr	ug/L	8.0	1.2
Cu	ug/L	6.0	-0.9
Mg	mg/L	0.1	0.0
Felow	ug/L	80.0	7.6
Fehigh	mg/L	20.0	0.9
K	mg/L	5.0	0.4
Li	ug/L	10.0	6.1
Mn	ug/L	5.0	0.8
Mo	ug/L	15.0	-6.1
Na	mg/L	1.0	0.0
Ni	ug/L	15.0	-5.0
Pb	ug/L	70.0	13.0
Sr	ug/L	10.0	0.7
Ti	ug/L	25.0	2.9
V	ug/L	5.0	-1.5
Y	ug/L	5.0	-0.1
Znlow	ug/L	40.0	1.1
Znhigh	mg/L	20.0	0.4

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID aqc first

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Allow	ug/L	5147.0	5200	1.0%
B	ug/L	4979.8	5000	0.4%
Ba	ug/L	4968.7	5000	0.6%
Be	ug/L	5051.1	5000	1.0%
Calow	mg/L	4.9	5	2.0%
Cd	ug/L	5041.9	5000	0.8%
Co	ug/L	5112.9	5000	2.3%
Cr	ug/L	4992.4	5000	0.2%
Cu	ug/L	4947.1	5000	1.1%
Mg	mg/L	5.0	5	0.0%
Felow	ug/L	5044.7	5000	0.9%
Li	ug/L	4985.1	5000	0.3%
Mn	ug/L	4941.1	5000	1.2%
Mo	ug/L	5063.3	5000	1.3%
Ni	ug/L	5025.8	5000	0.5%
Pb	ug/L	5029.9	5000	0.6%
Sr	ug/L	5125.8	5000	2.5%
Ti	ug/L	5010.9	5000	0.2%
V	ug/L	4879.8	5000	2.4%
Y	ug/L	5156.5	5000	3.1%
Znlow	ug/L	5056.6	5000	1.1%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AQC SECOND

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Allow	ug/L	5164.7	5200	0.7%
B	ug/L	4981.7	5000	0.4%
Ba	ug/L	4987.4	5000	0.3%
Be	ug/L	5087.9	5000	1.8%
Calow	mg/L	4.9	5	2.0%
Cd	ug/L	5106.2	5000	2.1%
Co	ug/L	5159.1	5000	3.2%
Cr	ug/L	5051.7	5000	1.0%
Cu	ug/L	4962.8	5000	0.7%
Mg	mg/L	5.0	5	0.0%
Felow	ug/L	5075.5	5000	1.5%
Li	ug/L	5002.3	5000	0.0%
Mn	ug/L	4965.6	5000	0.7%
Mo	ug/L	5108.9	5000	2.2%
Ni	ug/L	5044.1	5000	0.9%
Pb	ug/L	5034.0	5000	0.7%
Sr	ug/L	5149.3	5000	3.0%
Ti	ug/L	5036.1	5000	0.7%
V	ug/L	4910.1	5000	1.8%
Y	ug/L	5179.5	5000	3.6%
Znlow	ug/L	5112.3	5000	2.2%

MMS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AQC THIRD Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Allow	ug/L	5249.4	5200	1.0%
B	ug/L	5056.6	5000	1.1%
Ba	ug/L	5066.6	5000	1.3%
Be	ug/L	5127.1	5000	2.5%
Calow	mg/L	5.0	5	0.0%
Cd	ug/L	5107.8	5000	2.2%
Co	ug/L	5177.6	5000	3.6%
Cr	ug/L	5088.5	5000	1.8%
Cu	ug/L	5048.3	5000	1.0%
Mg	mg/L	5.0	5	0.0%
Felow	ug/L	5093.3	5000	1.9%
Li	ug/L	5101.8	5000	2.0%
Mn	ug/L	4981.1	5000	0.4%
Mo	ug/L	5121.9	5000	2.4%
Ni	ug/L	5064.1	5000	1.3%
Pb	ug/L	5041.0	5000	0.8%
Sr	ug/L	5227.1	5000	4.5%
Ti	ug/L	5088.6	5000	1.8%
V	ug/L	4937.6	5000	1.2%
Y	ug/L	5242.5	5000	4.9%
Znlow	ug/L	5142.3	5000	2.8%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AQC FOURTH Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Allow	ug/L	5198.0	5200	0.0%
B	ug/L	5006.6	5000	0.1%
Ba	ug/L	5030.8	5000	0.6%
Be	ug/L	5080.5	5000	1.6%
Calow	mg/L	5.0	5	0.0%
Cd	ug/L	5057.8	5000	1.2%
Co	ug/L	5136.6	5000	2.7%
Cr	ug/L	5051.0	5000	1.0%
Cu	ug/L	5005.8	5000	0.1%
Mg	mg/L	4.9	5	2.0%
Felow	ug/L	5051.2	5000	1.0%
Li	ug/L	5050.8	5000	1.0%
Mn	ug/L	4930.6	5000	1.4%
Mo	ug/L	5087.1	5000	1.7%
Ni	ug/L	5043.9	5000	0.9%
Pb	ug/L	4949.2	5000	1.0%
Sr	ug/L	5187.8	5000	3.8%
Ti	ug/L	5043.5	5000	0.9%
V	ug/L	4891.5	5000	2.2%
Y	ug/L	5202.4	5000	4.0%
Znlow	ug/L	5109.4	5000	2.2%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AQC FIFTH Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Allow	ug/L	5171.0	5200	0.6%
B	ug/L	5009.4	5000	0.2%
Ba	ug/L	5005.6	5000	0.1%
Be	ug/L	5108.9	5000	2.2%
Calow	mg/L	4.9	5	2.0%
Cd	ug/L	5117.9	5000	2.4%
Co	ug/L	5172.0	5000	3.4%
Cr	ug/L	5066.9	5000	1.3%
Cu	ug/L	4982.3	5000	0.4%
Mg	mg/L	5.0	5	0.0%
Felow	ug/L	5062.7	5000	1.3%
Li	ug/L	4974.2	5000	0.5%
Mn	ug/L	4950.2	5000	1.0%
Mo	ug/L	5116.7	5000	2.3%
Ni	ug/L	5079.4	5000	1.6%
Pb	ug/L	5010.9	5000	0.2%
Sr	ug/L	5170.6	5000	3.4%
Ti	ug/L	5039.9	5000	0.8%
V	ug/L	4908.8	5000	1.8%
Y	ug/L	5195.1	5000	3.9%
Znlow	ug/L	5174.8	5000	3.5%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AQC SIXTH Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Allow	ug/L	5133.3	5200	1.3%
B	ug/L	4969.1	5000	0.6%
Ba	ug/L	4953.9	5000	0.9%
Be	ug/L	5107.1	5000	2.1%
Calow	mg/L	4.9	5	2.0%
Cd	ug/L	5135.0	5000	2.7%
Co	ug/L	5179.6	5000	3.6%
Cr	ug/L	5062.1	5000	1.2%
Cu	ug/L	4928.8	5000	1.4%
Mg	mg/L	4.9	5	2.0%
Felow	ug/L	5053.2	5000	1.1%
Li	ug/L	4892.9	5000	2.1%
Mn	ug/L	4944.4	5000	1.1%
Mo	ug/L	5098.2	5000	2.0%
Ni	ug/L	5066.5	5000	1.3%
Pb	ug/L	4954.9	5000	0.9%
Sr	ug/L	5122.0	5000	2.4%
Ti	ug/L	5008.3	5000	0.2%
V	ug/L	4884.2	5000	2.3%
Y	ug/L	5155.7	5000	3.1%
Znlow	ug/L	5184.2	5000	3.7%

MMS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC FIRST

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Alhigh	mg/L	95.5	100	4.5%
Cahigh	mg/L	102.0	100	2.0%
Fehigh	mg/L	100.6	100	0.6%
K	mg/L	100.9	100	0.9%
Na	mg/L	103.3	100	3.3%
Znhigh	mg/L	100.2	100	0.2%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC SECOND

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Alhigh	mg/L	95.7	100	4.3%
Cahigh	mg/L	102.7	100	2.7%
Fehigh	mg/L	101.2	100	1.2%
K	mg/L	100.3	100	0.3%
Na	mg/L	102.5	100	2.5%
Znhigh	mg/L	100.8	100	0.8%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGHAQC THIRD

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Alhigh	mg/L	96.1	100	3.9%
Cahigh	mg/L	102.4	100	2.4%
Fehigh	mg/L	101.3	100	1.3%
K	mg/L	100.9	100	0.9%
Na	mg/L	103.4	100	3.4%
Znhigh	mg/L	100.9	100	0.9%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC FOURTH Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Alhigh	mg/L	94.8	100	5.2%
Cahigh	mg/L	102.1	100	2.1%
Fehigh	mg/L	100.7	100	0.7%
K	mg/L	100.5	100	0.5%
Na	mg/L	102.0	100	2.0%
Znhigh	mg/L	100.0	100	0.0%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC FIFTH Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Alhigh	mg/L	94.1	100	5.9%
Cahigh	mg/L	102.4	100	2.4%
Fehigh	mg/L	100.8	100	0.8%
K	mg/L	98.5	100	1.5%
Na	mg/L	100.2	100	0.2%
Znhigh	mg/L	100.2	100	0.2%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC SIXTH

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Alhigh	mg/L	93.6	100	6.4%
Cahigh	mg/L	101.9	100	1.9%
Fehigh	mg/L	100.4	100	0.4%
K	mg/L	98.2	100	1.8%
Mg	mg/L	99.2	100	0.8%
Znhigh	mg/L	99.3	100	0.7%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG FIRST

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Ag	ug/L	50.3	50	0.6%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG SECOND Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Ag	ug/L	51.4	50	2.8%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG THIRD

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Ag	ug/L	51.4	50	2.8%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG FOURTH

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Ag	ug/L	50.3	50	0.6%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG FIFTH

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Ag	ug/L	53.4	50	6.8%

MS 3/9/89

QUALITY CONTROL SAMPLE REPORT

QC ID AG SIXTH

Operator MS

Date analyzed 03/08/89

File name RUN655B

Element	Units	Found Value	True Value	Percent Deviation
Ag	ug/L	51.2	50	2.4%

MS 3/9/89

DUPLICATE

Sample SF5883 FS09S76 Operator MS

Date Analyzed 03/08/89 File RUN655B

Element	Units	Sample	Duplicate	Difference	RPD
Ag	ug/L	-0.9	-1.4	-0.5	6U
Alhigh	mg/L	0.0	0.0	0.0	20U
Allow	ug/L	-38.7	-26.5	12.2	80U
B	ug/L	57.1	53.0	-4.1	80U
Ba	ug/L	113.5	114.2	0.7	6U
Be	ug/L	-0.1	-0.3	-0.2	1U
Cahigh	mg/L	97.2	97.5	0.3	20U
Calow	mg/L	77.2	77.5	0.3	1U
Cd	ug/L	-0.7	-0.4	0.3	10U
Co	ug/L	1.8	2.2	0.4	6U
Cr	ug/L	1.5	1.2	-0.3	8U
Cu	ug/L	9.0	8.9	-0.1	6U
Mg	mg/L	27.4	27.5	0.1	0U
Felow	ug/L	382.5	388.8	6.3	80U
Fehigh	mg/L	1.6	1.6	0.0	20U
K	mg/L	1.0	0.4	-0.6	5U
Li	ug/L	12.7	14.2	1.5	10U
Mn	ug/L	205.5	206.3	0.8	5U
Mo	ug/L	-1.3	-4.4	-3.1	15U
Na	mg/L	12.9	13.0	0.1	1U
Ni	ug/L	-7.0	-9.4	-2.4	15U
Pb	ug/L	-31.1	-17.3	13.8	70U
Sr	ug/L	153.5	154.8	1.3	10U
Ti	ug/L	7.0	7.3	0.3	25U
V	ug/L	-0.3	0.6	0.9	5U
Y	ug/L	0.1	0.0	-0.1	5U
Znlow	ug/L	13.4	20.9	7.5	40U
Znhigh	mg/L	0.2	0.2	0.0	20U

MS 3/9/89

DUPLICATE

Sample SF5906 FC10S14 Operator MS

Date Analyzed 03/08/89 File RUN655B

Element	Units	Sample	Duplicate	Difference	RPD
Ag	ug/L	-1.5	-1.0	0.5	6U
Alhigh	mg/L	0.0	0.1	0.1	20U
Allow	ug/L	-20.8	-44.1	-23.3	80U
B	ug/L	39.0	26.2	-12.8	80U
Ba	ug/L	179.7	178.6	-1.1	6U
Be	ug/L	0.2	-0.3	-0.5	1U
Cahigh	mg/L	156.2	158.3	2.1	20U
Calow	mg/L	0.0	0.0	0.0	1U
Cd	ug/L	-0.4	-0.3	0.1	10U
Co	ug/L	2.2	3.7	1.5	6U
Cr	ug/L	-1.7	1.0	2.7	8U
Cu	ug/L	1.5	1.6	0.1	6U
Mg	mg/L	61.3	61.8	0.5	1%
Felow	ug/L	109.3	98.8	-10.5	80U
Fehigh	mg/L	1.6	1.7	0.1	20U
K	mg/L	1.2	1.7	0.5	5U
Li	ug/L	21.6	21.0	-0.6	10U
Mn	ug/L	113.4	114.7	1.3	5U
Mo	ug/L	-2.4	-4.0	-1.6	15U
Na	mg/L	7.3	7.3	0.0	1U
Ni	ug/L	-1.1	-1.8	-0.7	15U
Pb	ug/L	9.5	12.3	2.8	70U
Sr	ug/L	144.6	144.5	-0.1	10U
Ti	ug/L	9.9	10.4	0.5	25U
V	ug/L	0.9	0.2	-0.7	5U
Y	ug/L	0.6	0.0	-0.6	5U
Znlow	ug/L	27.0	20.3	-6.7	40U
Znhigh	mg/L	-0.1	0.0	0.1	20U

MS 3/9/89

DUPLICATE

Sample SF5906 FC10S22 Operator MS

Date Analyzed 03/08/89 File RUN655B

Element	Units	Sample	Duplicate	Difference	RPD
Ag	ug/L	-1.2	-1.2	0.0	6U
Alhigh	mg/L	0.1	0.1	0.0	20U
Allow	ug/L	2.2	0.4	-1.8	80U
B	ug/L	23.8	22.0	-1.8	80U
Ba	ug/L	84.1	86.0	1.9	6U
Be	ug/L	0.1	-0.2	-0.3	1U
Cahigh	mg/L	81.8	85.0	3.2	20U
Calow	mg/L	75.7	76.3	0.6	1%
Cd	ug/L	-1.6	-0.5	1.1	10U
Co	ug/L	2.6	2.7	0.1	6U
Cr	ug/L	2.6	2.5	-0.1	8U
Cu	ug/L	0.4	-0.1	-0.5	6U
Mg	mg/L	29.3	30.3	1.0	3%
Felow	ug/L	98.6	90.5	-8.1	80U
Fehigh	mg/L	1.4	1.4	0.0	20U
K	mg/L	1.9	1.2	-0.7	5U
Li	ug/L	15.1	15.1	0.0	10U
Mn	ug/L	25.7	26.5	0.8	5U
Mo	ug/L	-2.9	-2.6	0.3	15U
Na	mg/L	9.1	9.4	0.3	1U
Ni	ug/L	11.0	6.8	-4.2	15U
Pb	ug/L	-3.5	-2.6	0.9	70U
Sr	ug/L	118.2	121.2	3.0	10U
Ti	ug/L	10.8	11.5	0.7	25U
V	ug/L	0.6	0.4	-0.2	5U
Y	ug/L	0.3	-0.3	-0.6	5U
Znlow	ug/L	38.4	19.1	-19.3	40U
Znhigh	mg/L	0.1	0.2	0.1	20U

MS 3/9/89

SPIKE COMPARISON

Sample SF5906 FC10514 Analyzed by MS

Date Analyzed 03/08/89 File RUN655B SMP4

Element	Units	Sample	Spike	Spike Added	Recovery
Ag	ug/L	-1.5	48.6	50.0	100%
Alhigh	mg/L	0.0	0.9	0.8	107%
Allow	ug/L	-20.8	750.7	800.0	96%
B	ug/L	39.0	866.1	800.0	103%
Ba	ug/L	179.7	382.3	200.0	101%
Be	ug/L	0.2	9.6	10.0	94%
Cahigh	mg/L	156.2	210.8	50.0	109%
~~Calow~~	~~mg/L~~	~~0.0~~	~~0.0~~	~~50.0~~	~~0%*~~
Cd	ug/L	-0.4	25.9	25.0	105%
Co	ug/L	2.2	104.6	100.0	102%
Cr	ug/L	-1.7	106.9	100.0	109%
Cu	ug/L	1.5	50.4	50.0	98%
Mg	mg/L	61.3	87.3	25.0	104%
Felow	ug/L	109.3	874.2	800.0	96%
~~Fehigh~~	~~mg/L~~	~~1.6~~	~~3.0~~	~~0.8~~	~~169%*~~
K	mg/L	1.2	22.2	20.0	105%
Li	ug/L	21.6	79.1	54.0	106%
Mn	ug/L	113.4	214.9	100.0	102%
Mo	ug/L	-2.4	108.3	100.0	111%
Na	mg/L	7.3	59.0	50.0	103%
Ni	ug/L	-1.1	154.3	150.0	104%
Pb	ug/L	9.5	774.3	800.0	96%
Sn	ug/L	1.6	465.9	400.0	116%*
Sr	ug/L	144.6	1172.7	1000.0	103%
Ti	ug/L	9.9	115.0	100.0	105%
V	ug/L	0.9	49.8	50.0	98%
Y	ug/L	0.6	52.4	50.0	104%
Znlow	ug/L	27.0	416.8	400.0	97%
~~Znhigh~~	~~mg/L~~	~~-0.1~~	~~0.6~~	~~1.0~~	~~68%*~~

Sn not reported

MS 3/19/89

SPIKE COMPARISON

Sample SF5906 FC10S22 Analyzed by MS

Date Analyzed 03/08/89 File RUN655B SMP5

Element	Units	Sample	Spike	Spike Added	Recovery
Ag	ug/L	-1.2	48.1	50.0	99%
Alhigh	mg/L	0.1	0.9	0.8	103%
Allow	ug/L	2.2	755.2	800.0	94%
B	ug/L	23.8	844.1	800.0	103%
Ba	ug/L	84.1	281.5	200.0	99%
Be	ug/L	0.1	9.9	10.0	98%
Cahigh	mg/L	81.8	136.0	50.0	108%
~~Calow~~	~~mg/L~~	~~75.7~~	~~112.1~~	~~50.0~~	~~73%*~~ over range
Cd	ug/L	-1.6	22.2	25.0	95%
Co	ug/L	2.6	103.4	100.0	101%
Cr	ug/L	2.6	98.2	100.0	96%
Cu	ug/L	0.4	48.7	50.0	97%
Mg	mg/L	29.3	54.5	25.0	101%
Felow	ug/L	98.6	850.3	800.0	94%
~~Fehigh~~	~~mg/L~~	~~1.4~~	~~2.8~~	~~0.8~~	~~176%*~~
K	mg/L	1.9	21.9	20.0	100%
Li	ug/L	15.1	73.1	54.0	107%
Mn	ug/L	25.7	126.5	100.0	101%
Mo	ug/L	-2.9	107.0	100.0	110%
Na	mg/L	9.1	58.9	50.0	100%
Ni	ug/L	11.0	152.1	150.0	94%
Pb	ug/L	-3.5	761.6	800.0	96%
Sn	ug/L	-27.3	476.2	400.0	126%*
Sr	ug/L	118.2	1126.3	1000.0	101%
Ti	ug/L	10.8	114.2	100.0	103%
V	ug/L	0.6	48.7	50.0	96%
Y	ug/L	0.3	51.3	50.0	102%
Znlow	ug/L	38.4	422.0	400.0	96%
~~Znhigh~~	~~mg/L~~	~~0.1~~	~~0.9~~	~~1.0~~	~~80%*~~

Sn not reported

MS 3/9/89

SPIKE COMPARISON

Sample SF5883 FS09S76 Analyzed by MS

Date Analyzed 03/08/89 File RUN655B SMP3

Element	Units	Sample	Spike	Spike Added	Recovery
Ag	ug/L	-0.9	47.6	50.0	97%
Alhigh	mg/L	0.0	0.9	0.8	108%
Allow	ug/L	-38.7	777.7	800.0	102%
B	ug/L	57.1	880.8	800.0	103%
Ba	ug/L	113.5	312.8	200.0	100%
Be	ug/L	-0.1	9.7	10.0	98%
Cahigh	mg/L	97.2	149.4	50.0	104%
~~Calow~~	~~mg/L~~	~~77.2~~	~~0.0~~	~~50.0~~	~~0%*~~
Cd	ug/L	-0.7	24.4	25.0	100%
Co	ug/L	1.8	103.2	100.0	101%
Cr	ug/L	1.5	100.7	100.0	99%
Cu	ug/L	9.0	58.3	50.0	99%
Mg	mg/L	27.4	52.1	25.0	99%
Felow	ug/L	382.5	1166.7	800.0	98%
~~Fehigh~~	~~mg/L~~	~~1.6~~	~~3.1~~	~~0.8~~	~~183%*~~
K	mg/L	1.0	20.9	20.0	99%
Li	ug/L	12.7	70.9	54.0	108%
Mn	ug/L	205.5	307.8	100.0	102%
Mo	ug/L	-1.3	105.1	100.0	106%
Na	mg/L	12.9	63.8	50.0	102%
Ni	ug/L	-7.0	141.6	150.0	99%
Pb	ug/L	-31.1	792.5	800.0	103%
Sn	ug/L	9.0	456.1	400.0	112%
Sr	ug/L	153.5	1164.4	1000.0	101%
Ti	ug/L	7.0	111.2	100.0	104%
V	ug/L	-0.3	47.9	50.0	96%
Y	ug/L	0.1	51.2	50.0	102%
Znlow	ug/L	13.4	404.1	400.0	98%
~~Znhigh~~	~~mg/L~~	~~0.2~~	~~0.7~~	~~1.0~~	~~54%*~~

MS 3/9/89

SAMPLE REPORT

Sample SF5906 FC10S14 1/3 DUP Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Magnesium	mg/L	64.7

MS 3/9/89

SAMPLE REPORT

Sample SF5906 FC10S22 1/3 SPIKE Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Magnesium	mg/L	56.7

29.3 56.7 109.6% recovery

MS 3/9/89

SAMPLE REPORT

Sample SF5906 FC10S14 1/3 SPIKE Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Magnesium	mg/L	88.4

~~61.3~~
64.4 , 88.4 96.0%

MS 3/9/89

SAMPLE REPORT

Sample SF5883 1/3 DILUFS09S76 SPK Operator MS

Date analyzed 03/08/89 File name RUN655B

Element	Unit	Concentration
Silver	ug/L	48.4
Aluminum	ug/L	795.
Boron	ug/L	929.
Barium	ug/L	327.
Beryllium	ug/L	10.7
Calcium	mg/L	159.
Cadmium	ug/L	21.8
Cobalt	ug/L	110.
Chromium	ug/L	109.
Copper	ug/L	59.3
Magnesium	mg/L	54.7
Iron	ug/L	1270.
Potassium	mg/L	21.6
Lithium	ug/L	96.9
Manganese	ug/L	330.
Molybdenum	ug/L	101.
Sodium	mg/L	66.1
Nickel	ug/L	141.
Lead	ug/L	784.
Strontium	ug/L	1220.
Titianium	ug/L	128.
Vanadium	ug/L	49.4
Yttrium	ug/L	53.9
Zinc	ug/L	448.

Mg 27.4, 54.7 = 109.2 % rec

MS 3/9/89

Run 655A

Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00840	.10887	.00487	-.01040	.08253	.00017	.01800
#1	-.00800	.10880	.00540	-.01720	.08120	.00020	.01800
#2	-.00760	.10920	.00400	-.00280	.08200	.00000	.01800
#3	-.00960	.10860	.00520	-.01120	.08440	.00030	.01800

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.25640	.04360	.00317	.01027	-.00053	.00200	.08073
#1	.25520	.04320	.00500	.01520	-.00080	.00160	.08160
#2	.25600	.04360	.00120	.00720	-.00120	.00240	.07980
#3	.25800	.04400	.00330	.00840	.00040	.00200	.08080

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	.87120	-.01107	.02387	.01200	.06613	.01240	.15533
#1	.87080	-.01440	.02400	.01200	.06600	.00880	.15320
#2	.87160	-.01240	.02400	.01200	.06600	.01600	.15640
#3	.87120	-.00640	.02360	.01200	.06640	.01240	.15640

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00190	.00003	-.00400	.02840	.10440	.00193	-.00147
#1	-.00160	-.00100	-.00640	.02840	.10400	.00260	-.00160
#2	-.00220	-.00050	-.00320	.02840	.10480	.00120	-.00120
#3	-.00190	.00160	-.00240	.02840	.10440	.00200	-.00160

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.08013	.24373	.00713	.00287
#1	.08160	.24200	.00720	.00370
#2	.07920	.24480	.00840	.00230
#3	.07960	.24440	.00580	.00260

Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.80573	.11987	.09293	4.9693	.10667	.00080	.02040
#1	.80160	.12040	.09380	4.9214	.10440	.00100	.02040
#2	.80800	.11960	.09460	5.0124	.10680	.00040	.02040
#3	.80760	.11960	.09040	4.9740	.10880	.00100	.02040

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.30480	.08573	.13387	18.923	5.6605	-.00333	.08853
#1	.30320	.08520	.13560	18.932	5.6424	-.00320	.08920
#2	.30480	.08600	.12980	18.908	5.6890	-.00400	.08960
#3	.30640	.08600	.13620	18.930	5.6500	-.00280	.08680

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	1.1484	-.01893	2.7455	14.423	.07160	26.504	20.439

#1	1.1520	-.01920	2.7390	14.395	.07160	26.457	20.411
#2	1.1356	-.02300	2.7574	14.443	.07160	26.592	20.534
#3	1.1576	-.01460	2.7400	14.431	.07160	26.462	20.372

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00020	.44127	4.5873	22.514	.11107	-.56807	17.816
#1	.00040	.43780	4.5868	22.407	.11120	-.56040	17.733
#2	-.00080	.44260	4.5836	22.637	.11120	-.57540	17.897
#3	-.00020	.44340	4.5916	22.499	.11080	-.56840	17.817

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.08933	.24647	.00453	.09410
#1	.08880	.24760	.00520	.09460
#2	.08920	.24500	.00400	.09410
#3	.09000	.24680	.00440	.09360

Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.12700	.13360	.00027	.04627	6.4293	.00013	24.570
#1	-.12640	.13360	-.00020	.04100	6.4750	.00020	24.642
#2	-.12780	.13320	-.00060	.03800	6.4332	.00020	24.601
#3	-.12680	.13400	.00160	.05980	6.3796	.00000	24.466

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	3.2744	28.753	24.082	.04760	-.11000	8.2708	.12247
#1	3.2730	28.967	24.177	.04640	-.10760	8.3254	.12280
#2	3.2726	28.761	24.108	.04760	-.11100	8.2820	.12140
#3	3.2776	28.531	23.961	.04880	-.11140	8.2050	.12320

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	1.3472	.16920	.02560	.02227	28.326	.01773	.18360
#1	1.3496	.16900	.02600	.02440	28.419	.02080	.18080
#2	1.3416	.16940	.02560	.02240	28.338	.01320	.18080
#3	1.3504	.16920	.02520	.02000	28.221	.01920	.18920

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	1.8544	.01177	.00573	.03640	.10747	17.808	.00407
#1	1.8640	.01040	.01000	.03960	.10720	17.850	.00600
#2	1.8548	.01140	.00440	.03600	.10760	17.815	.00380
#3	1.8444	.01350	.00280	.03360	.10760	17.761	.00240

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	14.359	.49980	.00273	-.00627
#1	14.368	.49920	.00280	-.00760
#2	14.371	.49980	.00220	-.00780
#3	14.338	.50040	.00320	-.00340

Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01470	.75693	4.0781	.02500	.10873	12.685	.04413
#1	-.01370	.75680	4.0726	.02880	.11040	12.685	.04720
#2	-.01520	.75520	4.0786	.01700	.10800	12.677	.04360
#3	-.01520	.75880	4.0830	.02920	.10780	12.692	.04160

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.28053	.04200	.01807	.05193	-.00107	.00793	5.0353
#1	.28000	.04560	.02040	.05120	-.00240	.00920	5.0308
#2	.28200	.04160	.01760	.05000	-.00160	.00800	5.0340
#3	.27960	.03880	.01620	.05460	.00080	.00660	5.0410

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	2.9017	-.01673	.02467	.01000	.08933	.00393	.16013
#1	2.9030	-.00680	.02480	.01000	.09320	.00160	.16200
#2	2.9002	-.01780	.02480	.01000	.08840	.00260	.16120
#3	2.9020	-.02560	.02440	.01000	.08640	.00760	.15720

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	.00073	-.00013	.00920	.02987	15.703	.01533	-.00080
#1	.00160	.00000	.01440	.03000	15.701	.02040	-.00040
#2	.00140	.00060	.00840	.03000	15.699	.01400	-.00080
#3	-.00080	-.00100	.00480	.02960	15.709	.01160	-.00120

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.09787	.24720	.59080	4.0759
#1	.09920	.24840	.59080	4.0708
#2	.09800	.24680	.58960	4.0770
#3	.09640	.24640	.59200	4.0800

Standard: cazn

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00967	.11473	-.03900	-.02140	.10747	.00673	.02087
#1	-.01080	.11480	-.03640	-.02800	.10720	.00690	.02120
#2	-.00860	.11460	-.03600	-.01660	.10680	.00630	.02060
#3	-.00960	.11480	-.04460	-.01960	.10840	.00700	.02080

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	113.53	219.43	.01033	.01253	-.00420	.00427	.09480
#1	113.79	219.47	.00560	.01400	-.00240	.00480	.09440
#2	113.17	219.38	.01160	.01240	-.00460	.00400	.09480
#3	113.63	219.44	.01380	.01120	-.00560	.00400	.09520

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	.93240	-.00860	.03013	.01800	.07547	.08600	.21067
#1	.93720	.00080	.03020	.01800	.07600	.07600	.21120
#2	.92720	-.00860	.03040	.01800	.07480	.07560	.20960

#3	.93280	-.01800	.02980	.01800	.07560	.10640	.21120

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00027	.00187	-.00347	.04353	.13507	.00320	.00020
#1	.00020	.00180	-.00480	.04360	.13480	.00400	-.00020
#2	.00040	.00200	-.00520	.04360	.13480	.00360	.00000
#3	-.00140	.00180	-.00040	.04340	.13560	.00200	.00080

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	447.61	10.067	.00767	-.15980
#1	449.54	10.107	.00720	-.14590
#2	446.14	10.041	.00820	-.16280
#3	447.15	10.055	.00760	-.17070

Standard: alfe

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.06913	24.932	126.00	1.2027	.18787	.00407	.38440
#1	-.07080	25.056	126.10	1.1936	.18640	.00440	.37840
#2	-.06820	24.756	125.79	1.2126	.18640	.00420	.38400
#3	-.06840	24.984	126.09	1.2020	.19080	.00360	.39080

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.33393	.63953	-.01110	.02160	-.00280	-.04353	184.68
#1	.33240	.65760	-.00860	.02040	-.00240	-.04480	184.50
#2	.34080	.68640	-.01210	.02280	-.00080	-.04220	183.85
#3	.32860	.57460	-.01260	.02160	-.00520	-.04360	185.68

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	77.864	-.02573	.02480	.02607	.25093	-.10753	.20540
#1	77.855	-.03820	.02480	.02620	.25080	-.11420	.20460
#2	77.642	-.00920	.02480	.02600	.24920	-.10240	.20560
#3	78.097	-.02980	.02480	.02600	.25280	-.10600	.20600

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00057	-.05870	-.05573	.03053	.14140	.00267	.00027
#1	-.00150	-.06050	-.04520	.03040	.14000	.00160	.00040
#2	-.00120	-.05920	-.07520	.03080	.14220	.00280	-.00040
#3	.00100	-.05640	-.04680	.03040	.14200	.00360	.00080

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.45600	.25373	23.386	125.97
#1	.46520	.25240	23.500	126.07
#2	.47760	.25520	23.230	125.79
#3	.42520	.25360	23.428	126.05

Method: SED5 Sample Name: cu for iec Operator: MS
Run Time: 03/07/89 13:35:03

Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.45038	L.04834	43.864	5.7567	35.189	L.42046	L.35300
#1	L-2.2109	L.04405	52.866	.80327	35.714	L.49930	L.32584
#2	L1.4740	L.05694	47.465	7.2294	33.508	L.42046	L.32584
#3	L2.0881	L.04405	31.261	9.2376	36.344	L.34163	L.40731

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.02825	L.02286	L.98289	L-1.2337	L.70659	10124.	43.462
#1	L.02684	L.02733	L2.1734	L-2.3617	L-1.1776	10146.	56.245
#2	L.03390	L.02050	L-1.1490	L-.14099	L.94212	10067.	43.731
#3	L.02401	L.02077	L1.9242	L-1.1985	L2.3553	10160.	30.410

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.73846	L-3.5133	L.48991	-.00584	L.44822	L-.32715	L.09926
#1	L.71095	L-7.1746	L.48991	-.00584	L.30668	L1.3589	L.09795
#2	L.74542	L2.4778	L1.9596	-.00584	L.51899	L2.7179	L.10386
#3	L.75900	L-5.8432	L-.97981	-.00584	L.51899	L-5.0583	L.09598

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L11.492	271.21	L7.9861	L.11859	L1.2822	L.18720	L.07483
#1	L12.929	280.27	L3.4848	L.00000	L1.2822	L-.18720	L-.07483
#2	L12.390	289.34	L12.632	L.17789	L1.0257	L.48672	L.14967
#3	L9.1580	244.01	L7.8409	L.17789	L1.5386	L.26208	L.14967

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	69.848	L.15744	30.840	46.730
#1	74.704	L.09229	28.555	55.323
#2	68.261	L.20630	28.555	47.712
#3	66.580	L.17373	35.408	37.155

Method: SED5 Sample Name: al for iec Operator: MS
Run Time: 03/07/89 13:38:38
Comment:
Mode: CONC Corr. Factor: .0025

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00348	L.95904	772.34	5.7561	L.13445	L.00138	L.00163
#1	L-.00860	L.96982	773.92	5.8889	L.13025	L.00085	L.00204
#2	L-.00184	L.96739	773.52	5.9472	L.13498	L.00204	L.00122
#3	L.00000	L.93992	769.57	5.4321	L.13813	L.00125	L.00163

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L

Avge	L.00019	L.00008	L-.00336	L-.00264	L-.00177	L.01431	L.13018
#1	L.00018	L.00008	L.00066	L-.00828	L.00412	L.01330	L.13153
#2	L.00018	L.00008	L-.00350	L-.00035	L-.00118	L.01391	L.12749
#3	L.00022	L.00007	L-.00723	L.00070	L-.00824	L.01572	L.13153

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.00245	L-.00693	L.01225	.00000	L.07685	L-.00969	L.00039
#1	L.00232	L-.00851	L.01225	.00000	L.07685	L-.00717	L.00038
#2	L.00234	L-.00878	L.01225	.00000	L.07702	L-.00830	L.00039
#3	L.00269	L-.00351	L.01225	.00000	L.07667	L-.01359	L.00039

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00584	L-3.0011	L-.02977	L.00156	L.06005	L.06458	L.00019
#1	L.01212	L-2.9935	L-.09365	L.00133	L.05898	L.06299	L-.00019
#2	L.00404	L-2.9822	L-.01742	L.00133	L.06026	L.06664	L-.00019
#3	L.00135	L-3.0275	L.02178	L.00200	L.06090	L.06412	L.00094

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L.11603	L.00126	990.08	772.18
#1	L.11603	L.00096	1002.0	773.76
#2	L.11743	L.00117	999.05	773.36
#3	L.11462	L.00164	969.18	769.44

Method: SED5 Sample Name: fe for iec Operator: MS
Run Time: 03/07/89 13:41:23
Comment:
Mode: CONC Corr. Factor: .0025

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.19878	L.00093	L.38995	.31327	L.34243	L.00532	L.39434
#1	L-.19898	L.00095	L.44028	.30323	L.35241	L.00637	L.39020
#2	L-.20083	L.00096	L.42064	.35946	L.34453	L.00519	L.39773
#3	L-.19653	L.00087	L.30893	.27713	L.33035	L.00440	L.39509

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00021	L.00003	L-.01585	L.01745	L-.00501	L-.14714	975.52
#1	L.00020	L.00003	L-.01502	L.01921	L-.00648	L-.14754	981.46
#2	L.00021	L.00003	L-.01533	L.02133	L-.00913	L-.14633	980.30
#3	L.00022	L.00002	L-.01720	L.01181	L.00059	L-.14754	964.82

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.0798	L-.00351	L.01225	.00000	L.09601	L-.13841	L.00050
#1	L1.0862	L-.00851	L.01225	.00000	L.09684	L-.15741	L.00049
#2	L1.0835	L.02089	L.00857	.00000	L.09613	L-.12910	L.00048

#3	L1.0697	L-.02293	L.01592	.00000	L.09507	L-.12872	L.00053

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00045	L-.32674	L-.29512	L.00267	L.00844	L-.06505	L.00215
#1	L.02559	L-.28519	L-.32017	L.00267	L.00769	L-.06617	L.00262
#2	L-.01751	L-.26252	L-.23414	L.00267	L.00801	L-.06309	L.00178
#3	L-.00673	L-.43250	L-.33106	L.00267	L.00962	L-.06589	L.00206

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L.15571	L.00109	.33981	.41819
#1	L.16155	L.00100	.37978	.47282
#2	L.15735	L.00107	.39692	.44336
#3	L.14824	L.00121	.24272	.33840

Method: SED5 Sample Name: as for iec Operator: MS
Run Time: 03/07/89 13:45:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.73698	L.07413	45.010	9787.5	89.285	L-.18395	L.46161
#1	L-.49132	L.07627	52.866	9793.8	93.696	L.02628	L.48877
#2	L.00000	L.07627	48.938	9765.3	86.764	L-.28907	L.40731
#3	L-1.7196	L.06983	33.225	9803.5	87.394	L-.28907	L.48877

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01836	L-.00154	81.579	L-.77547	L-2.2375	L.00000	156.49
#1	L.00989	L-.00145	80.915	L-.14099	L-1.1776	L1.4512	155.95
#2	L.01836	L-.00118	81.995	L-.77547	L-6.8304	L-.96749	169.68
#3	L.02684	L-.00199	81.829	L-1.4099	L1.2954	L-.48375	143.84

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.95676	L-4.0311	L2.9394	-.00584	L.66054	L-2.9192	L.15087
#1	L.96373	L2.6997	L3.4294	-.00584	L.66054	L3.1709	L.14725
#2	L.96999	L-1.6272	L1.9596	-.00584	L.51899	L-2.7179	L.15613
#3	L.93657	L-13.166	L3.4294	-.00584	L.80208	L-9.2106	L.14922

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L11.672	L27.196	L.58080	L.41508	L1.6241	L.18720	L.00000
#1	15.622	42.306	L-2.6136	L.35578	L1.5386	L.26208	L.14967
#2	L3.7709	L8.3100	L17.424	L.35578	L1.5386	L.93599	L-.07483
#3	15.622	L30.974	L-13.068	L.53367	L1.7951	L-.63648	L-.07483

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L4.2021	L.30945	41.119	48.285

#1	L4.9492	L.28774	52.541	55.814
#2	L4.6690	L.28774	42.262	50.903
#3	L2.9882	L.35289	28.555	38.137

Method: SED5 Sample Name: cr for iec Operator: MS
Run Time: 03/07/89 13:47:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.08189	L.06338	L10.311	20.082	36.764	L.05256	L.32584
#1	L.49132	L.06983	L11.621	20.082	35.714	L.34163	L.32584
#2	L-.24566	L.06983	L7.6926	20.885	38.235	L-.21023	L.32584
#3	L-.49132	L.05049	L11.621	19.278	36.344	L.02628	L.32584

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.03672	L-.00132	L.24918	L3.0314	10027.	L.40312	35.523
#1	L.03814	L-.00118	L.17996	L2.1854	10065.	L.72562	38.080
#2	L.03955	L-.00145	L.51221	L5.3578	9926.4	L.00000	38.080
#3	L.03249	L-.00132	L.05537	L1.5509	10090.	L.48375	30.410

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.1082	L-9.0976	L2.9394	-.00530	L.96722	L-.25166	L.17881
#1	L1.1434	L-1.6272	L1.9596	-.00530	L1.0144	L-.15099	L.16697
#2	L1.0870	L-12.167	L3.4294	-.00530	L.94363	L4.0768	L.18472
#3	L1.0943	L-13.499	L3.4294	-.00530	L.94363	L-4.6808	L.18472

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L8.0806	L21.153	L6.3888	L.41508	L4.7868	L-31.038	L.18709
#1	L5.9258	49.105	L20.038	L.53367	L4.8723	L-30.738	L.37417
#2	L7.0032	L8.3100	L10.454	L.35578	L4.8723	L-31.412	L.03742
#3	L11.313	L6.0437	L-11.326	L.35578	L4.6159	L-30.963	L.14967

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L3.4551	L.36374	18.275	14.485
#1	L3.2683	L.33660	28.555	15.058
#2	L3.2683	L.38546	18.275	10.639
#3	L3.8286	L.36917	7.9954	17.759

#559mm

Element:	Ag	Al	Al	As	B
Wavelength:	328.000	308.200	396.100	193.600	249.600
Use IECs:	YES	NO	YES	YES	YES
Number of IECs:	2	0	1	2	1
Affecting Element:	Fehigh	--n/a--	Cahigh	Alhigh	Fehigh
k1 factor:	-.19878	--n/a--	0	5.7561	.34243
k2 factor:	0	--n/a--	0	0	0
use?:	YES	--n/a--	NO	YES	YES
Affecting Element:	V	--n/a--	--n/a--	Fehigh	--n/a--
k1 factor:	0	--n/a--	--n/a--	.31327	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	NO	--n/a--	--n/a--	YES	--n/a--

Element:	Ba	Be	Ca	Ca	Cd
Wavelength:	493.400	234.800	315.800	393.300	228.800
Use IECs:	NO	YES	YES	NO	YES
Number of IECs:	0	1	0	0	3
Affecting Element:	--n/a--	Fehigh	--n/a--	--n/a--	As
k1 factor:	--n/a--	.39434	--n/a--	--n/a--	.008158
k2 factor:	--n/a--	0	--n/a--	--n/a--	0
use?:	--n/a--	YES	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Fehigh
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	-.01585
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Ni
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	NO

Element:	Co	Cr	Cu	Fe	Fe
Wavelength:	228.600	205.500	324.700	259.900	271.400
Use IECs:	YES	YES	YES	YES	NO
Number of IECs:	1	1	1	0	0
Affecting Element:	Ni	Fehigh	Fehigh	--n/a--	--n/a--
k1 factor:	0	-.00501	-.14714	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	NO	YES	YES	--n/a--	--n/a--

Element:	K	Li	Mg	Mn	Mo
Wavelength:	766.400	670.700	297.500	257.600	202.000
Use IECs:	YES	YES	NO	YES	YES
Number of IECs:	0	0	0	1	1
Affecting Element:	--n/a--	--n/a--	--n/a--	Fehigh	Fehigh
k1 factor:	--n/a--	--n/a--	--n/a--	.09601	-.13841
k2 factor:	--n/a--	--n/a--	--n/a--	0	0
use?:	--n/a--	--n/a--	--n/a--	YES	YES

Element:	Na	Ni	Pb	Sn	Sr
Wavelength:	589.000	231.600	220.300	189.900	421.500
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	0	0	3	2	0
Affecting Element:	--n/a--	--n/a--	Alhigh	Alhigh	--n/a--
k1 factor:	--n/a--	--n/a--	-3.0011	-.02977	--n/a--
k2 factor:	--n/a--	--n/a--	0	0	--n/a--
use?:	--n/a--	--n/a--	YES	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	Cu	Fehigh	--n/a--
k1 factor:	--n/a--	--n/a--	.027121	-.29512	--n/a--
k2 factor:	--n/a--	--n/a--	0	0	--n/a--
use?:	--n/a--	--n/a--	YES	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	Fehigh	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	-.32674	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	Ti	V	Y	Zn	Zn
Wavelength:	334.900	292.400	371.000	213.800	481.000
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	0	2	0	3	0
Affecting Element:	--n/a--	Cr	--n/a--	Cu	--n/a--
k1 factor:	--n/a--	-.00311	--n/a--	.006985	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	YES	--n/a--	YES	--n/a--
Affecting Element:	--n/a--	Fehigh	--n/a--	Fehigh	--n/a--
k1 factor:	--n/a--	-.06505	--n/a--	.15571	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	YES	--n/a--	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	--n/a--	Ni	--n/a--
k1 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
k2 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	--n/a--	NO	--n/a--

Element:	2Al	2Al
Wavelength:	308.200	396.100
Use IECs:	YES	YES
Number of IECs:	0	0

Method: SED5 Sample Name: first instrument Operator: MS
Run Time: 03/07/89 14:18:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.0182	L-.01504	L.49101	L-5.0690	L-4.4226	L-.23651	L-.22725
#1	L.12118	L-.02041	L4.2555	L-6.9013	L-4.8306	L-.13139	L-.24040
#2	L-.97702	L-.00430	L-1.6367	23.117	L-5.4733	L-.28907	L-.25482
#3	L-2.1987	L-.02041	L-1.1457	L-31.423	L-2.9638	L-.28907	L-.18654

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00094	L.00729	L.20386	L-2.7494	L-2.8231	L-.22757	L-.00001
#1	L-.00565	L.00752	L.24593	L-3.5249	L1.6518	L-.39404	L.13454
#2	L.00283	L.00725	L-.57980	L-4.1594	L-6.8271	L-.38867	L.13454
#3	L.00565	L.00711	L.94545	L-.56398	L-3.2940	L.10000	L-.26912

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.64515	L-3.3654	L.24495	-.00100	L-.10912	L-1.1187	L-.00230
#1	L.60963	L1.4793	L-.97981	-.00100	L-.10571	L-3.0865	L-.01249
#2	L.64619	L-3.6243	L1.9596	-.00100	L-.10922	L-1.2695	L-.00559
#3	L.67962	L-7.9512	L-.24495	-.00100	L-.11243	L1.0000	L.01117

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L6.8236	L16.036	L9.1924	L.05930	L-.68383	L-.07913	L-.14967
#1	L8.6193	L26.590	L-.69190	L.00000	L-1.0257	L-.59168	L-.07483
#2	L5.9258	L-5.0794	L18.486	L.00000	L-.25644	L.28289	L-.29934
#3	L5.9258	L26.599	L9.7832	L.17789	L-.76931	L.07141	L-.07483

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-.33231	L-.02715	-11.422	2.1278
#1	L-1.8664	L-.10315	-19.417	3.5191
#2	L.64914	L.02714	-2.2844	1.0639
#3	L.22031	L-.00543	-12.564	1.8004

Method: SED5 Sample Name: AG FIRST Operator:
Run Time: 03/07/89 14:22:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	50.270	-.00430	Q.00000	Q6.4739	Q-2.3684	Q-.05256	Q-.14517
#1	49.283	-.00430	Q7.6926	Q.58958	Q-3.6219	Q-.05256	Q-.13721
#2	50.027	-.00430	Q-4.0918	Q-1.0281	Q-1.1131	Q.18395	Q-.15121

#3	51.499	-.00430	Q-3.6008	Q19.860	Q-2.3700	Q-.28907	Q-.14709

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.00424	Q-.00506	Q-.63570	Q-1.2690	Q-.70267	Q-.36879	Q.13455
#1	.00141	Q-.00520	Q.51946	Q-1.6214	Q2.3591	Q-.37176	Q.94190
#2	.00000	Q-.00520	Q-1.2941	Q-3.1019	Q-2.5868	Q-.36653	Q-.67280
#3	.01130	Q-.00480	Q-1.1324	Q.91647	Q-1.8803	Q-.36807	Q.13454

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	.78128	-4.9926	Q.97981	Q-.00584	Q.20808	Q-.44550	.03911
#1	.76109	-5.0666	Q.48991	Q-.00584	Q.30438	Q1.0113	.03780
#2	.79660	-5.6213	Q.48991	Q-.00584	Q.15942	Q-4.5705	.04076
#3	.78616	-4.2899	Q1.9596	Q-.00584	Q.16043	Q2.2227	.03878

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q14.904	Q21.405	Q4.8769	Q.14824	Q.72657	Q.08608	Q.14967
#1	Q14.545	Q60.683	Q1.9669	Q.08894	Q.64109	Q.99283	Q.14967
#2	Q15.622	Q4.0346	Q-5.8635	Q.17789	Q.51287	Q-1.2666	Q-.07483
#3	Q14.545	Q-.50150	Q18.527	Q.17789	Q1.0257	Q.53201	Q.37417

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q.72135	.13030	-22.844	3.9282
#1	Q.91127	.14115	-36.551	7.6928
#2	Q-.21486	.09229	-22.844	-.90022
#3	Q1.4676	.15744	-9.1376	4.9921

Method: SED5 Sample Name: AQC FIRST Operator:
Run Time: 03/07/89 14:24:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-74.206	5.3798	5010.8	4928.4	4851.3	4821.5	4915.7
#1	-76.340	5.3852	5012.1	4931.2	4850.0	4827.8	4910.4
#2	-74.364	5.3756	5011.1	4938.8	4843.4	4825.8	4910.3
#3	-71.913	5.3788	5009.2	4915.1	4860.4	4810.8	4926.4

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.2823	4.8188	4902.2	4969.1	4844.7	4840.6	4902.0
#1	5.2912	4.8214	4892.9	4965.8	4814.9	4841.5	4889.0
#2	5.2630	4.8243	4898.6	4968.3	4857.7	4845.6	4901.5
#3	5.2926	4.8107	4915.0	4973.0	4861.6	4834.7	4915.6

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L

Avge	7.7452	48.558	4933.4	4.8655	4830.8	4931.8	4.9645
#1	7.7174	40.089	4950.5	4.8627	4828.1	4917.8	4.9951
#2	7.7728	44.859	4972.6	4.8559	4822.1	4941.0	4.9664
#3	7.7456	60.725	4877.0	4.8778	4842.1	4936.4	4.9318

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4856.4	4880.2	5024.1	4994.8	4875.6	Q4719.2	5037.0
#1	4868.3	4836.4	5001.0	4998.3	4871.9	Q4712.6	5036.3
#2	4846.7	4886.1	4967.5	5000.0	4877.9	Q4716.8	5040.0
#3	4854.3	4918.1	5103.8	4986.0	4876.9	Q4728.1	5034.6

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	4854.3	5.3096	4820.1	5007.1
#1	4839.3	5.3204	4832.7	5011.8
#2	4854.1	5.2553	4815.5	5005.9
#3	4869.4	5.3530	4812.1	5003.7

Method: SED5 Sample Name: HIGH AQC FIRST Operator: MS
Run Time: 03/07/89 14:27:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.21768	95.392	Q97244.	Q-8.7095	Q30.241	Q2.8118	Q-1.5159
#1	-.93238	94.970	Q97041.	Q-37.915	Q30.764	Q2.8644	Q-1.7778
#2	.24550	94.519	Q96052.	Q-3.1096	Q34.632	Q2.8644	Q-1.1890
#3	.03385	96.688	Q98639.	Q14.896	Q25.327	Q2.7067	Q-1.5809

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	99.813	Q87.037	Q2.2837	Q3.1724	Q-1.0328	Q3.8250	Q91911.
#1	99.375	Q84.830	Q2.0603	Q2.8199	Q7.0914	Q3.9421	Q91635.
#2	99.689	Q83.600	Q2.6030	Q4.0889	Q-7.7482	Q3.9048	Q91257.
#3	100.38	Q92.679	Q2.1877	Q2.6084	Q-2.4418	Q3.6280	Q92842.

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	99.420	973.04	Q13.472	Q102.04	Q13.668	Q11.496	101.59
#1	99.120	976.15	Q12.983	Q101.71	Q13.791	Q11.454	101.66
#2	98.866	966.27	Q13.717	Q101.69	Q13.674	Q16.402	100.16
#3	100.27	976.70	Q13.717	Q102.71	Q13.539	Q6.6311	102.95

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q16.341	Q2.8814	Q12.724	Q5.6925	Q6.5819	Q4.1053	Q2.9185
#1	Q19.393	Q3.7798	Q18.140	Q5.6925	Q6.6673	Q4.2608	Q3.0682
#2	Q11.852	Q-29.384	Q-6.3418	Q5.6925	Q7.1802	Q4.1982	Q2.8437
#3	Q17.777	Q34.249	Q26.373	Q5.6925	Q5.8980	Q3.8570	Q2.8437

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q89796.	97.723	96171.	97133.
#1	Q89612.	97.245	95727.	96916.
#2	Q89302.	97.237	95254.	95950.
#3	Q90473.	98.686	97533.	98534.

Method: SED5 Sample Name: ICAP 19 NEW Operator: MS
Run Time: 03/07/89 14:30:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-15.464	L.19229	101.64	972.46	258.93	L.49930	963.09
#1	L-16.533	L.19874	107.86	962.92	255.58	L.34163	961.96
#2	L-15.541	L.17940	101.97	1000.8	261.87	L.65697	961.21
#3	L-14.319	L.19874	95.093	953.68	259.36	L.49930	966.11

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L1.0688	.97278	900.13	988.69	962.26	968.61	1000.6
#1	L1.0657	.98090	897.89	986.47	952.01	968.28	1010.9
#2	L1.0791	.96937	893.84	986.15	960.84	968.78	991.55
#3	L1.0615	.96809	908.68	993.45	973.92	968.77	999.22

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L2.1208	L-1.8861	L1.9596	.98968	972.75	1058.8	L.12622
#1	L2.0982	L.59172	L1.9596	.99626	971.59	1057.4	L.12359
#2	L2.1483	L-7.0636	L1.9596	.98626	970.17	1054.5	L.13542
#3	L2.1159	L.81361	L1.9596	.98653	976.48	1064.4	L.11964

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	986.37	1000.2	L23.283	L1.2452	986.38	953.27	L.14967
#1	985.29	994.13	L12.822	L1.4231	985.49	950.55	L-.07483
#2	988.53	1025.8	L32.003	L1.2452	985.36	953.95	L.37417
#3	985.29	980.53	L25.024	L1.0673	988.31	955.33	L.14967

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	985.21	L1.2025	86.808	100.42
#1	985.64	L1.1428	93.661	106.14
#2	986.32	L1.2324	73.101	102.46
#3	983.67	L1.2324	93.661	92.641

Method: SED5 Sample Name: ICAP 19 OLD Operator: MS

Run Time: 03/07/89 14:33:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-14.469	L.34161	241.09	1000.1	741.89	L.60442	974.01
#1	L-14.554	L.34698	253.20	997.39	740.85	L.65697	971.30
#2	L-14.546	L.34698	237.49	987.74	742.09	L.49930	972.26
#3	L-14.307	L.33087	232.58	1015.2	742.73	L.65697	978.47

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L1.1382	1.0190	911.77	996.38	980.98	971.04	994.51
#1	L1.1385	1.0197	909.44	990.81	967.56	972.65	995.59
#2	L1.1413	1.0153	909.48	995.99	984.87	966.37	993.16
#3	L1.1349	1.0221	916.40	1002.3	990.52	974.10	994.78

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L2.1845	L-1.0725	L1.9596	.98873	980.43	1061.1	L.56607
#1	L2.1692	L-.29586	L1.9596	.98774	979.30	1055.7	L.56147
#2	L2.2089	L-6.5089	L1.9596	.98612	977.67	1058.5	L.57133
#3	L2.1755	L3.5873	L1.9596	.99234	984.33	1069.1	L.56541

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	977.03	1018.7	L23.597	L1.2452	991.85	957.42	L-.07483
#1	975.60	976.35	L24.609	L1.2452	991.64	957.90	L-.29934
#2	973.44	1049.1	L15.037	L1.2452	987.79	953.91	L-.07483
#3	982.06	1030.7	L31.144	L1.2452	996.13	960.44	L.14967

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	984.95	L1.2324	195.32	238.48
#1	982.23	L1.1998	193.03	246.33
#2	981.85	L1.2813	206.74	235.53
#3	990.77	L1.2161	186.18	233.57

Method: SED5 Sample Name: ICAP 7 OLD Operator: MS
Run Time: 03/07/89 14:36:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1239.3	L1.2353	1236.7	L-14.969	1398.4	1206.3	L.47418
#1	1130.2	L1.1397	1141.9	L-22.049	1300.7	1102.2	L.61077
#2	1119.2	L1.1268	1131.6	L-17.151	1295.3	1091.8	L.37216
#3	1468.5	L1.4394	1436.5	L-5.7069	1599.1	1424.8	L.43961

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow

Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01154	L.00381	L.79810	L2.1149	L2.3589	L.75176	L4.4404
#1	L.01695	L.00564	L.32978	L.49348	L4.4787	L1.0739	L4.5749
#2	L.01059	L.00497	L.41417	L1.5509	L-1.1741	L2.0393	L4.5749
#3	L.00706	L.00082	L1.6504	L4.3003	L3.7722	L-.85796	L4.1713

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.72557	H116.75	L1.7147	-.00158	L1.0155	L1.3335	1.1587
#1	L.72349	H108.76	L1.2248	-.00100	L1.1573	L8.8577	1.0863
#2	L.70886	H108.43	L1.9596	-.00127	L1.0171	L2.0610	1.0705
#3	L.74438	H133.06	L1.9596	-.00248	L.87216	L-6.9182	1.3192

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L12.031	40.941	L8.0918	L.23719	L1.5386	L.05453	L.44901
#1	L8.0806	L30.069	L16.800	L.17789	L1.2822	L.54770	L-.07483
#2	16.700	75.327	L15.924	L.17789	L1.5386	L1.3154	L.59867
#3	L11.313	L17.429	L-8.4495	L.35578	L1.7951	L-1.6995	L.82318

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L4.5508	L.08958	1233.6	1240.9
#1	L6.5098	L.03529	1138.8	1144.7
#2	L5.1047	L.07601	1125.1	1133.1
#3	L2.0378	L.15744	1436.9	1444.9

Method: SED5 Sample Name: ICAP 7 NEW Operator: MS
Run Time: 03/07/89 14:39:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1786.9	L1.7197	1717.9	L-5.8514	1848.0	1717.9	L.13639
#1	1800.4	L1.7261	1736.1	L-11.764	1856.9	1739.2	L.04714
#2	1775.9	L1.7197	1715.4	5.9370	1841.7	1705.0	L.19976
#3	1784.5	L1.7132	1702.2	L-11.728	1845.5	1709.5	L.16228

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01554	L-.00303	L.65498	L2.7847	L.12155	L-.21128	L.40367
#1	L.01412	L-.00292	L.12101	L1.1280	L1.6522	L-.37975	L-1.8838
#2	L.01412	L-.00312	L1.4721	L2.3969	L-.82068	L.34971	L1.3456
#3	L.01836	L-.00306	L.37182	L4.8291	L-.46691	L-.60380	L1.7492

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.75587	H174.52	L2.4495	-.00396	L.58797	L.43177	1.5185
#1	L.70677	H176.66	L1.9596	-.00396	L.45114	L1.4568	1.5225

#2	L.73289	H172.56	L3.4294	-.00396	L.59017	L-3.7489	1.5126
#3	L.82794	H174.33	L1.9596	-.00396	L.72259	L3.5874	1.5205

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L4.8484	L26.566	L-6.1146	L.29648	L1.2822	L.53626	L.00000
#1	L12.390	L36.395	L-9.3233	L.17789	L.76931	L.76247	L-.29934
#2	L2.6935	L6.9019	L-12.801	L.35578	L1.5386	L.30720	L.14967
#3	L-.53871	L36.402	L3.7802	L.35578	L1.5386	L.53912	L.14967

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-.39636	L.20902	1711.0	1720.2
#1	L-.76106	L.17373	1717.9	1736.1
#2	L.07020	L.21445	1711.0	1718.9
#3	L-.49822	L.23888	1704.2	1705.7

Method: SED5 Sample Name: FS09S84 Operator: MS
Run Time: 03/07/89 14:45:55
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.86968	L-.00917	L4.5926	5.4081	224.64	12.247	L-.25600
#1	L.83718	L-.00524	L2.1965	25.625	223.85	12.343	L-.27292
#2	L-2.1639	L-.00524	L2.1965	L-10.138	224.63	11.958	L-.26488
#3	L-1.2823	L-.01704	L9.3849	.73728	225.43	12.439	L-.23020

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L17.118	16.733	L.80172	L-1.6341	L-2.8677	L4.7927	205.69
#1	L17.045	16.524	L1.0428	L-.94608	L-7.4650	L5.4875	204.05
#2	L17.155	16.858	L-.08444	L-.94608	L-.56880	L4.0091	207.99
#3	L17.155	16.817	L1.4468	L-3.0102	L-.56924	L4.8814	205.04

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.1532	6.7226	L7.7699	10.946	5.0122	L3.2298	20.572
#1	L1.1961	12.904	L7.7699	10.855	5.0081	L3.8498	20.359
#2	L1.1757	L.85725	L7.7699	11.009	5.1828	L4.5838	20.791
#3	L1.0878	6.4068	L7.7699	10.974	L4.8458	L1.2558	20.567

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L9.8583	L16.809	L6.1859	769.83	L5.6313	L-.34498	L.00000
#1	19.059	L35.249	L-23.030	759.70	L6.2571	L.37434	L.18260
#2	L7.2294	L-6.1919	L-1.2475	775.87	L5.3185	L-.15367	L-.09130
#3	L3.2861	L21.370	42.835	773.91	L5.3185	L-1.2556	L-.09130

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L

Avge	50.483	L.03312	-4.1805	-12.580
#1	49.560	L.11260	-2.7870	-16.973
#2	50.599	L-.00662	-11.148	-12.181
#3	51.290	L-.00662	1.3935	-8.5865

Method: SED5 Sample Name: FS09S84 SPK Operator: MS
Run Time: 03/07/89 14:52:27
Comment: SF5887
Mode: CONC Corr. Factor: 1.53

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	44.105	L.83001	764.77	L-28.514	1075.9	211.93	9.5511
#1	43.726	L.81686	773.54	L-5.4933	1076.9	211.13	9.4732
#2	46.555	L.84644	769.03	L-40.092	1062.4	210.16	9.7017
#3	42.032	L.82672	751.75	L-39.958	1088.4	214.50	9.4783

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	68.281	H68.540	24.990	100.10	99.833	53.910	1000.7
#1	67.947	H68.247	22.600	102.68	109.56	54.401	992.10
#2	68.360	H68.290	25.170	97.506	91.184	54.409	1006.9
#3	68.537	H69.084	27.201	100.10	98.751	52.919	1003.2

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L2.5395	H206.98	66.336	35.176	106.67	114.55	71.380
#1	L2.5261	H195.61	67.086	35.019	105.80	121.87	70.861
#2	L2.5789	H214.11	65.961	35.145	106.88	108.01	70.994
#3	L2.5133	H211.22	65.961	35.364	107.32	113.78	72.284

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	165.67	859.50	478.41	1792.6	108.55	48.593	51.981
#1	165.67	839.79	512.62	1783.3	108.29	48.164	51.752
#2	162.37	857.24	448.66	1786.0	109.07	50.001	51.752
#3	168.97	881.47	473.96	1808.6	108.29	47.614	52.439

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	434.56	L.46516	795.15	694.05
#1	433.27	L.49008	777.67	697.69
#2	437.12	L.58975	809.13	693.18
#3	433.28	L.31564	798.64	691.30

Method: SED5 Sample Name: SECOND INSTRUMENT Operator: MS
Run Time: 03/07/89 14:56:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.42759	L-.00430	L-6.0558	L-12.923	L6.5768	L.02628	L-.12595
#1	L-1.0857	L-.00430	L-13.912	L-11.446	L6.7921	L.02628	L.04302
#2	L-.59607	L-.00430	L-3.1098	L-21.082	L6.4799	L.02628	L-.27953
#3	L.39903	L-.00430	L-1.1457	L-6.2415	L6.4584	L.02628	L-.14132

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00800	L.00424	L1.3214	L-1.4804	L1.4168	L.26903	L-1.3456
#1	L.01554	L.00497	L.78307	L-1.6214	L3.7721	L-.37821	L-1.4801
#2	L.00706	L.00384	L.44625	L-1.8329	L.94567	L.58805	L-1.8838
#3	L.00141	L.00390	L2.7349	L-.98696	L-.46719	L.59727	L-.67280

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.73254	L-2.3669	L1.4697	-.00109	L.28353	L-.35159	L.01315
#1	L.71722	L-6.2870	L1.9596	-.00073	L.30859	L-3.8266	L.01315
#2	L.70886	L.14793	L.48991	-.00127	L.30939	L-1.8648	L.01709
#3	L.77153	L-.96154	L1.9596	-.00127	L.23260	L4.6366	L.00920

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L9.5171	L25.905	L18.511	L.35578	L.68383	L.16437	L.22450
#1	L13.468	L-2.7901	L9.7948	L.35578	L1.0257	L-1.0274	L.37417
#2	L5.9258	L17.578	L23.732	L.35578	L.76931	L.31113	L.14967
#3	L9.1580	62.926	L22.008	L.35578	L.25644	L1.2094	L.14967

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-1.2365	L.16830	-15.991	-2.2096
#1	L-1.3230	L.19002	-15.991	-7.7747
#2	L-1.3284	L.14115	-9.1376	1.3094
#3	L-1.0581	L.17373	-22.844	-.16368

Method: SED5 Sample Name: AG SECOND Operator: MS
Run Time: 03/07/89 14:59:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	52.594	.01719	Q4.7465	Q.34075	Q6.0514	Q.07884	Q-.01761
#1	52.836	-.00430	Q-.16367	Q-8.2313	Q3.9575	Q.02628	Q.04466
#2	53.456	.02471	Q7.6926	Q16.494	Q7.0987	Q.18395	Q.03313
#3	51.491	.03115	Q6.7105	Q-7.2403	Q7.0980	Q.02628	Q-.13061

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.00565	Q-.00203	Q.82561	Q.28199	Q-3.7648	Q-.69836	Q-.94191

#1	.00000	Q-.00145	Q1.3382	Q.07050	Q-2.5873	Q-.37883	Q-1.4801
#2	.01271	Q-.00199	Q-.44119	Q1.3395	Q-1.8805	Q-.85827	Q-.67280
#3	.00424	Q-.00266	Q1.5798	Q-.56398	Q-6.8266	Q-.85796	Q-.67280

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	.73323	.36982	Q1.4697	Q-.00418	Q.30705	Q.60480	.03681
#1	.71304	-.62870	Q.48991	Q-.00396	Q.16745	Q-.80727	.03484
#2	.74229	4.0311	Q3.4294	Q-.00409	Q.44773	Q2.8206	.03878
#3	.74438	-2.2929	Q.48991	Q-.00449	Q.30598	Q-.19896	.03681

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q11.852	Q41.860	Q9.2194	Q.35578	Q.81205	Q.59759	Q.14967
#1	Q16.700	Q42.536	Q12.407	Q.35578	Q.51287	Q-.37349	Q.14967
#2	Q16.161	Q31.314	Q10.674	Q.35578	Q1.2822	Q1.4277	Q.14967
#3	Q2.6935	Q51.731	Q4.5766	Q.35578	Q.64109	Q.73856	Q.14967

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q-.34274	.14115	4.5688	8.0202
#1	Q-.76204	.05972	-15.991	3.2735
#2	Q-.48311	.20630	1.1422	11.621
#3	Q.21692	.15744	28.555	9.1659

Method: SED5 Sample Name: AQC SECOND Operator: MS
Run Time: 03/07/89 15:03:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-75.753	5.5580	5210.3	5141.4	5014.6	5007.1	5071.9
#1	-74.820	5.5301	5195.3	5170.8	4991.1	4986.9	5066.0
#2	-75.180	5.5462	5201.2	5131.4	5004.4	5001.3	5063.7
#3	-77.260	5.5977	5234.5	5121.8	5048.5	5033.1	5085.9

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.4416	5.0086	5060.4	5139.1	4993.1	5018.1	5078.3
#1	5.4261	4.9915	5059.8	5145.5	4956.6	4997.1	5069.0
#2	5.4452	4.9981	5030.3	5128.9	5000.1	5009.9	5061.4
#3	5.4536	5.0363	5091.2	5142.8	5022.7	5047.4	5104.6

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	7.9913	54.105	5133.3	4.9844	4986.8	5111.9	5.1059
#1	7.9484	55.067	5110.0	4.9787	4981.1	5099.9	5.1148
#2	7.9923	56.065	5146.0	4.9729	4971.9	5107.9	5.0980
#3	8.0331	51.183	5143.8	5.0014	5007.5	5127.9	5.1049

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4990.2	5054.3	5213.9	5192.3	5040.6	4871.7	5228.0
#1	4987.3	4995.9	5187.9	5172.2	5025.9	4855.9	5207.6
#2	4987.9	5036.4	5248.1	5183.2	5032.4	4860.0	5220.3
#3	4995.4	5130.7	5205.8	5221.3	5063.3	4899.4	Q5256.2

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	5016.0	5.3666	4989.1	5207.9
#1	5014.8	5.4426	4959.5	5194.0
#2	5013.8	5.4019	4983.4	5198.6
#3	5019.5	5.2553	5024.6	5231.0

Method: SED5 Sample Name: HIGH AQC SECOND Operator: MS
Run Time: 03/07/89 15:16:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.39714	95.533	Q97411.	Q30.305	Q11.193	Q.70953	Q-4.2328
#1	-.45787	95.478	Q97486.	Q21.441	Q8.7339	Q.65697	Q-4.1883
#2	1.5173	94.942	Q96726.	Q78.734	Q11.238	Q.81465	Q-3.8820
#3	.13200	96.180	Q98022.	Q-9.2596	Q13.606	Q.65697	Q-4.6281

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	99.416	Q91.703	Q-.95881	Q.77547	Q1.9103	Q2.1020	Q91739.
#1	99.106	Q92.800	Q.66109	Q1.5509	Q6.3844	Q1.9947	Q91634.
#2	99.474	Q87.996	Q-2.0482	Q-2.0444	Q-3.5076	Q1.7601	Q91478.
#3	99.668	Q94.314	Q-1.4894	Q2.8199	Q2.8539	Q2.5514	Q92105.

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	99.217	985.06	Q9.3082	Q100.75	Q11.258	Q11.417	101.69
#1	99.035	985.80	Q9.3082	Q100.49	Q11.393	Q10.688	101.84
#2	99.085	973.71	Q9.3082	Q100.71	Q11.176	Q9.3356	100.83
#3	99.531	995.67	Q9.3082	Q101.06	Q11.204	Q14.229	102.41

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q5.7462	Q23.682	Q12.087	Q3.4392	Q4.3594	Q2.2293	Q.78576
#1	Q4.3096	Q23.460	Q32.070	Q3.3799	Q4.6159	Q2.6807	Q.59867
#2	Q-1.6161	Q12.807	Q2.4474	Q3.5578	Q4.3594	Q2.6532	Q1.2722
#3	Q14.545	Q34.778	Q1.7447	Q3.3799	Q4.1030	Q1.3541	Q.48642

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q90039.	97.329	96314.	97291.
#1	Q89844.	97.098	96282.	97372.

#2	089813.	96.903	95676.	96603.
#3	090459.	97.986	96985.	97897.

Method: SED5 Sample Name: FX09S91 Operator: MS
Run Time: 03/07/89 15:20:04
Comment: SF5888
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.95599	L.01966	L-34.545	L-19.442	194.88	121.25	L-.28297
#1	L-1.2633	L-.00524	L-22.963	L-2.3005	192.33	121.22	L-.26789
#2	L-1.8500	L.03801	L-33.746	L-48.629	193.85	121.22	L-.29302
#3	L.24537	L.02621	L-46.925	L-7.3975	198.47	121.32	L-.28799

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	122.11	H137.90	L-.21048	L-.94608	L-.99959	12.180	64.350
#1	121.43	H138.37	L-.95893	L-1.4621	L2.0174	13.453	68.619
#2	122.09	H135.13	L.73737	L-3.0102	L-5.7407	12.282	64.186
#3	122.81	H140.19	L-.40987	L1.6341	L.72455	10.805	60.247

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.2216	87.078	15.540	27.970	L1.7822	L-3.7301	35.212
#1	L1.1834	88.026	14.942	27.923	L1.5557	L-3.7047	35.090
#2	L1.2471	84.507	14.942	27.912	L1.8949	L-2.6827	34.921
#3	L1.2344	88.703	16.735	28.074	L1.8961	L-4.8029	35.625

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L12.706	L36.994	L9.2184	198.29	L5.2142	L.39610	L.18260
#1	20.374	43.324	L16.292	198.36	L5.0056	L2.0473	L-.09130
#2	L7.2294	L37.976	L-1.7566	197.28	L5.3185	L-.43916	L.18260
#3	L10.516	L29.682	L13.120	199.23	L5.3185	L-.41989	L.45649

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	26.896	L.00993	-1.3935	-163.84
#1	30.367	L-.06623	-27.870	-145.47
#2	28.998	L.04305	9.7544	-172.43
#3	21.321	L.05299	13.935	-173.63

Method: SED5 Sample Name: FX09R02 Operator: MS
Run Time: 03/07/89 15:23:01
Comment: SF5888
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.7289	L-.00524	L11.781	8.9100	14.830	L1.6030	L-.07065

#1	L-1.6251	L-.00524	L6.9888	11.517	14.054	L2.0519	L.05399
#2	L-1.0363	L-.00524	20.168	37.993	15.995	L1.3786	L-.12367
#3	L-2.5254	L-.00524	L8.1868	L-22.780	14.441	L1.3786	L-.14226

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.27543	L.26326	L.02525	L-1.9782	L-2.0072	L5.2401	25.116
#1	L.28261	L.26648	L-1.4819	L.60205	L4.1709	L4.2594	26.758
#2	L.27141	L.26484	L-.68543	L-3.7843	L-4.0188	6.6122	23.803
#3	L.27227	L.25847	L2.2431	L-2.7522	L-6.1736	L4.8486	24.788

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.85122	L-8.0311	L.59769	.05335	L.49389	L-3.0752	L.15478
#1	L.87118	L-11.731	L2.3907	.05488	L.72222	L-3.1952	L.15799
#2	L.81766	L.31583	L.59769	.05357	L.20930	L-3.0184	L.15559
#3	L.86481	L-12.678	L-1.1954	.05160	L.55014	L-3.0119	L.15077

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L14.678	41.595	L8.5769	L1.0851	L4.5885	L-.40763	L.18260
#1	15.116	49.001	L10.354	L1.0851	L5.0056	L-.43281	L.73038
#2	L12.487	L21.270	L23.624	L1.0851	L4.3799	L-.32471	L.18260
#3	16.431	54.513	L-8.2479	L1.0851	L4.3799	L-.46537	L-.36519

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L9.2296	L.03974	11.148	14.777
#1	L10.316	L.11260	22.296	16.574
#2	L8.4278	L.05299	13.935	19.569
#3	L8.9454	L-.04636	-2.7870	8.1871

Method: SED5 Sample Name: FX09S79 Operator: MS
Run Time: 03/07/89 15:25:50
Comment: SF5889
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.0731	L.02359	L13.978	L-.72755	74.449	15.998	L-.14861
#1	L-1.4115	L.03014	L18.970	24.697	77.505	15.998	L-.17089
#2	L.83071	L.04587	L5.7907	L-8.7046	73.670	15.806	L-.15983
#3	L-2.6384	L-.00524	L17.172	L-18.175	72.171	16.190	L-.11510

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	24.810	H24.106	L.05276	L.60205	L.15314	9.2289	791.74
#1	24.797	H24.098	L-1.5724	L-1.2041	L3.7452	8.2536	793.05
#2	24.730	H23.792	L-.18571	L4.9884	L.72797	10.905	787.14
#3	24.901	H24.428	L1.9164	L-1.9782	L-4.0138	8.5278	795.02

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.8890	25.943	140.46	18.730	210.03	L-4.6816	6.8632
#1	L1.9455	28.740	140.46	18.731	209.91	L-6.5466	6.7795
#2	L1.9174	30.365	138.66	18.636	209.40	L-4.7083	6.7831
#3	L1.8040	18.724	142.25	18.824	210.79	L-2.7898	7.0269

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	20.155	52.972	L-2.2761	109.67	L5.6313	L-.10503	L.13695
#1	L12.487	54.880	L-11.117	109.60	L5.7878	L-2.5567	L.04565
#2	24.974	41.021	L-48.325	108.08	L5.7878	L1.2689	L.59344
#3	23.003	63.015	52.613	111.33	L5.3185	L.97273	L-.22824

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	176.91	L.27818	8.3609	-15.076
#1	176.22	L.27156	1.3935	-12.181
#2	175.52	L.29143	34.837	-21.766
#3	178.98	L.27156	-11.148	-11.282

Method: SED5 Sample Name: FX09S80 Operator: MS
Run Time: 03/07/89 15:28:51
Comment: SF5889
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.8013	L.01573	26.757	L-2.3487	33.405	146.84	L-.19032
#1	L-2.0059	L-.00524	23.762	L-9.4071	29.056	147.67	L-.18094
#2	L-.79842	L.03014	20.767	2.1354	34.423	145.65	L-.19802
#3	L-2.5997	L.02228	35.743	.22551	36.735	147.19	L-.19199

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L6.0426	5.7756	L1.0810	6.8376	L-.27735	24.786	1076.7
#1	L6.0641	5.8071	L.63154	8.3427	L1.1593	25.077	1072.8
#2	L6.0141	5.7418	L.84207	6.2785	L.29744	24.493	1076.7
#3	L6.0494	5.7780	L1.7694	L5.8915	L-2.2888	24.786	1080.7

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.9948	12.408	L7.7699	3.1885	69.227	L-3.7152	4.5016
#1	L1.9710	L1.8047	L7.7699	3.1975	69.690	L-3.0430	4.5044
#2	L2.0143	13.716	L7.7699	3.1775	68.995	L-2.0238	4.4972
#3	L1.9990	21.702	L7.7699	3.1905	68.997	L-6.0786	4.5032

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	30.013	L29.520	L17.949	33.928	L5.3185	L-.32787	L.09130

#1	32.204	48.796	L10.147	33.965	L5.3185	L-1.7409	L.18260
#2	24.317	L10.223	L15.476	33.856	L5.3185	L1.4109	L-.09130
#3	33.518	L29.541	L28.225	33.965	L5.3185	L-.65358	L.18260

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	356.10	L.37091	5.5740	20.867
#1	356.21	L.27156	-19.509	17.772
#2	357.58	L.45039	18.115	14.477
#3	354.50	L.39078	18.115	30.352

Method: SED5 Sample Name: FX09B80 Operator: MS
Run Time: 03/07/89 15:32:05
Comment: SF5889
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.22797	L.03539	32.548	L-4.2072	33.104	148.47	L-.20566
#1	L-1.2106	L.03801	34.545	L-28.584	32.563	149.30	L-.37067
#2	L-.04269	L.04587	30.950	L-2.1214	33.385	146.23	L-.11059
#3	L.56939	L.02228	32.148	18.084	33.363	149.88	L-.13572

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L6.0368	5.7928	L1.0763	8.0847	L1.3075	20.489	1894.7
#1	L6.0288	5.8329	L.80360	L4.9884	L3.3193	21.091	1903.6
#2	L6.0107	5.7207	L-1.0361	11.697	L-.56066	19.888	1868.6
#3	L6.0710	5.8248	L3.4615	7.5686	L1.1637	20.487	1912.0

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L2.8737	16.288	L6.5746	3.1942	69.085	L-1.1066	4.5623
#1	L2.9562	20.348	L5.9769	3.2038	69.423	L-5.3014	4.6117
#2	L2.8007	20.213	L7.7699	3.1696	68.056	L3.5192	4.4972
#3	L2.8644	8.3018	L5.9769	3.2092	69.777	L-1.5378	4.5780

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	26.508	50.259	L-.74516	34.218	L5.5271	L.14532	L.36519
#1	33.518	L30.001	L-19.852	34.290	L5.3185	L-.29983	L.18260
#2	30.889	71.481	L11.457	33.856	L5.6313	L-.04794	L.45649
#3	15.116	49.295	L6.1604	34.507	L5.6313	L.78374	L.45649

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	344.94	L.41065	32.050	29.054
#1	345.84	L.33117	26.476	29.753
#2	342.11	L.49013	43.198	27.956
#3	346.88	L.41065	26.476	29.454

Method: SED5 Sample Name: FX09S81 Operator: MS
Run Time: 03/07/89 15:34:51
Comment: SF5889
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.8226	L.07208	66.094	2.9078	58.218	L3.9434	L-.21495
#1	L-2.1224	L.08519	66.893	7.8957	58.475	L3.8793	L-.14853
#2	L-.62461	L.06160	63.298	8.5227	54.632	L4.2640	L-.34579
#3	L-2.7208	L.06946	68.091	L-7.6951	61.549	L3.6869	L-.15054

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	23.281	H22.681	L1.1636	L-1.0751	L-.56775	9.8433	417.13
#1	23.228	H22.523	L1.1904	L-1.8491	L2.8804	8.4661	415.32
#2	23.323	H22.794	L1.2866	L-3.0102	L-4.0159	10.236	415.32
#3	23.290	H22.727	L1.0137	L1.6341	L-.56773	10.828	420.74

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.3852	11.189	L8.3676	10.796	59.616	L-3.7381	6.8563
#1	L1.3847	9.2493	L7.7699	10.740	59.558	L-8.4663	6.9002
#2	L1.3809	12.362	L7.7699	10.828	59.904	L1.6648	6.8447
#3	L1.3898	11.956	L9.5630	10.819	59.385	L-4.4129	6.8241

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.65722	L28.973	L9.9768	79.504	L6.4135	L.59078	L.00000
#1	L-1.9717	L38.267	L-13.406	78.997	L6.5699	L.14471	L.18260
#2	L3.2861	L-.56320	L20.604	79.866	L6.4135	L1.4933	L-.09130
#3	L.65722	49.217	L22.733	79.648	L6.2571	L.13432	L-.09130

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	47.108	L.09604	54.346	39.438
#1	46.434	L.19208	76.642	39.338
#2	47.789	L.06292	43.198	36.043
#3	47.100	L.03312	43.198	42.932

Method: SED5 Sample Name: FZ09S82 Operator: MS
Run Time: 03/07/89 15:37:49
Comment: SF5889
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.08774	L.05898	L-50.119	L-9.0762	88.954	19.076	L-.32023

#1	L-.83363	L.06160	L-25.359	17.200	95.996	19.268	L-.32693
#2	L.21762	L.06160	L-82.867	L-14.163	87.534	18.884	L-.13269
#3	L.35278	L.05374	L-42.132	L-30.265	83.330	19.076	L-.50107

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	113.92	H87.221	L.27178	L-1.2041	L-1.7150	19.547	285.80
#1	113.99	H88.842	L.76703	L-.94608	L-1.4275	18.566	284.82
#2	113.79	H86.877	L.46574	L-.94608	L-3.1515	19.157	283.83
#3	113.98	H85.944	L-.41742	L-1.7201	L-.56580	20.917	288.76

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.8202	35.508	45.424	53.014	29.584	L.19053	13.722
#1	L1.8372	36.050	45.424	53.104	29.813	L-3.6142	13.750
#2	L1.8486	28.334	45.424	52.901	29.812	L2.4664	13.675
#3	L1.7747	42.141	45.424	53.037	29.128	L1.7193	13.742

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L11.173	L25.126	L14.002	322.75	L6.9870	L1.3463	L.45649
#1	L8.5439	57.424	L21.801	323.80	L7.1956	L1.2570	L.73038
#2	L8.5439	L35.292	L14.365	321.52	L6.8828	L.15613	L.18260
#3	16.431	L-17.338	L5.8397	322.93	L6.8828	L2.6259	L.45649

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L18.833	L.28481	4.1805	-170.53
#1	L18.268	L.19208	-6.9674	-152.66
#2	L18.945	L.31130	9.7544	-200.88
#3	L19.286	L.35104	9.7544	-158.05

Method: SED5 Sample Name: FZ09R09 Operator: MS
Run Time: 03/07/89 15:40:32
Comment: SF5889
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.6341	L-.01966	L-1.7971	L-2.5955	17.017	L.92975	L-.19311
#1	L-.73227	L-.01704	L-1.9968	L-16.335	18.679	L1.3786	L-.33098
#2	L-3.1370	L-.02490	L-1.9968	L-14.808	17.538	L.60915	L-.11814
#3	L-1.0330	L-.01704	L-1.3978	23.356	14.836	L.80151	L-.13020

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.82831	.80023	L.76049	L-2.4942	L1.4409	L4.0560	L4.1040
#1	L.84439	.81249	L1.6835	L-1.4621	L2.0156	L4.8449	L4.1040
#2	L.82199	.79755	L2.0758	L-3.2683	L2.0154	L3.0691	L3.1190
#3	L.81854	.79066	L-1.4778	L-2.7522	L.29153	L4.2539	L5.0889

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.82573	L-7.4896	L1.1954	.16537	L.09340	L-6.3945	L.37295
#1	L.83933	L-1.3084	L2.3907	.17270	L.20722	L-8.1734	L.37455
#2	L.80365	L-10.242	L.59769	.16220	L-.13472	L-8.0862	L.38658
#3	L.83423	L-10.919	L.59769	.16121	L.20771	L-2.9240	L.35771

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L13.364	53.557	L9.1004	L3.4001	L4.6928	L-.58128	L-.36519
#1	15.116	43.410	L-11.444	L3.4724	L5.0056	L-1.1267	L-.36519
#2	16.431	57.247	L25.745	L3.4724	L4.6928	L.37828	L-.63909
#3	L8.5439	60.014	L13.000	L3.2554	L4.3799	L-.99539	L-.09130

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L4.0013	L.00993	-18.115	.99843
#1	L4.5064	L.07286	-15.328	1.8970
#2	L3.6699	L-.01656	-32.050	-2.8954
#3	L3.8277	L-.02649	-6.9674	3.9937

Method: SED5 Sample Name: DIGESTION 21 Operator: MS
Run Time: 03/07/89 15:44:13
Comment:
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.7662	L-.00524	L-2.1965	L-12.833	16.602	L.03206	L-.16203
#1	L-1.0158	L-.00524	L2.1965	L-9.0782	17.113	L.22442	L-.16438
#2	L-.71809	L-.00524	L-3.7939	L-21.815	17.117	L-.16030	L-.16035
#3	L-3.5648	L-.00524	L-4.9920	L-7.6058	15.578	L.03206	L-.16136

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.10914	L.09846	L1.3521	L-3.0102	L-1.0011	L-.25882	27.743
#1	L.10684	L.09933	L2.6389	L-5.0744	L-3.1562	L.72567	27.743
#2	L.11546	L.09851	L.41195	L-2.4942	L2.8780	L-.45617	27.743
#3	L.10512	L.09753	L1.0054	L-1.4621	L-2.7252	L-1.0460	27.743

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.91494	L-3.2936	L2.3907	.02492	L.48777	L-2.0839	L.08501
#1	L.92088	L.18047	L2.3907	.02535	L.37207	L-2.8199	L.07619
#2	L.91069	L-5.2337	L2.3907	.02503	L.54574	L-1.5319	L.09303
#3	L.91324	L-4.8277	L2.3907	.02437	L.54549	L-1.8999	L.08581

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L9.8583	L27.018	L5.2299	L.36171	L4.1714	L-.17198	L.04565
#1	L8.5439	L21.464	L31.095	L.43405	L4.0671	L.91795	L.18260

#2	L9.8583	L38.082	L-14.612	L.43405	L4.3799	L.11386	L.18260
#3	L11.173	L21.509	L-.79351	L.21703	L4.0671	L-1.5477	L-.22824

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L16.264	L.15234	-20.902	3.2948
#1	L17.510	L.15234	-2.7870	8.7862
#2	L16.494	L.07286	-32.050	1.5975
#3	L14.789	L.23182	-27.870	-.49921

Method: SED5 Sample Name: FS09S75 Operator: MS
Run Time: 03/07/89 15:46:57
Comment: SF5883
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.0917	L.04849	L-36.741	2.2677	213.22	508.09	L-.24351
#1	L-1.9463	L.05374	L-32.548	L-37.280	218.10	511.33	L-.10028
#2	L-.29414	L.04587	L-19.369	2.9386	207.33	508.54	L-.30658
#3	L-1.0348	L.04587	L-58.306	41.144	214.24	504.40	L-.32367

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	78.190	H69.030	L1.3015	L-1.2471	L-1.8562	L5.7480	935.22
#1	78.203	H69.104	L1.2690	L-1.4621	L-.99434	L4.7604	938.83
#2	78.198	H69.044	L1.7519	L-2.3652	L.29882	L5.6484	931.93
#3	78.169	H68.940	L.88356	L.08601	L-4.8732	6.8351	934.89

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L2.2977	34.425	25.103	32.115	44.764	L-.41883	21.624
#1	L2.2705	33.613	23.908	32.184	44.622	L1.4195	21.703
#2	L2.2896	32.936	25.701	32.093	44.707	L-2.6305	21.744
#3	L2.3329	36.726	25.701	32.068	44.962	L-.04552	21.425

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L7.6676	L25.625	L7.0568	590.38	L6.9349	L1.4683	L-.09130
#1	L9.8583	L-.14764	L-2.5170	594.22	L6.4135	L1.2865	L-.36519
#2	L4.6005	L16.401	L-3.5744	591.18	L6.8828	L-.90069	L-.09130
#3	L8.5439	60.622	L27.262	585.75	L7.5085	L4.0191	L.18260

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	316.20	L.52987	-4.1805	-119.91
#1	316.32	L.51000	1.3935	-115.82
#2	317.34	L.49013	1.3935	-110.43
#3	314.93	L.58948	-15.328	-133.49

Method: SED5 Sample Name: FZ09S79 DUP Operator: MS
Run Time: 03/07/89 15:50:16
Comment: SF5889
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.51138	L.05636	23.362	.86119	69.558	16.639	L.02587
#1	L.39382	L.05374	21.366	L-2.8899	67.497	16.575	L.01381
#2	L-1.4151	L.06160	L18.970	L-4.3884	67.516	16.768	L.03491
#3	L-.51290	L.05374	29.752	9.8619	73.662	16.575	L.02888

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	25.282	H24.388	L1.3581	L-.51604	L-1.4270	10.517	817.02
#1	25.239	H24.284	L1.9972	L-1.2041	L-3.5819	9.1441	815.71
#2	25.279	H24.445	L2.2113	L1.6341	L-3.1512	9.7264	817.68
#3	25.328	H24.433	L-.13410	L-1.9782	L2.4522	12.679	817.68

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.9506	25.853	141.05	18.960	213.25	L-.52827	6.9175
#1	L1.9812	33.884	142.25	18.905	212.15	L1.5637	6.8857
#2	L1.9276	20.213	140.46	18.974	213.37	L-.93057	6.9279
#3	L1.9429	23.462	140.46	19.002	214.23	L-2.2179	6.9388

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	20.812	53.056	L8.3717	110.90	L6.4656	L-.37999	L-.04565
#1	21.688	77.058	L5.9006	110.47	L6.5699	L.43748	L.45649
#2	L11.830	L10.689	L.57072	111.12	L6.2571	L-.66090	L-.36519
#3	28.918	71.420	L18.644	111.12	L6.5699	L-.91655	L-.22824

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	208.33	L.39740	32.050	-4.0936
#1	208.34	L.37091	18.115	-4.9921
#2	209.02	L.43052	43.198	-6.1903
#3	207.63	L.39078	34.837	-1.0983

Method: SED5 Sample Name: FZ09S79 SPK Operator: MS
Run Time: 03/07/89 15:53:49
Comment: SF5889
Mode: CONC Corr. Factor: 1.53

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	42.626	L.87603	793.57	.07078	883.60	212.73	9.5861
#1	43.685	L.89575	761.52	L-11.094	873.16	210.64	9.4319
#2	41.070	L.86617	807.35	23.462	890.97	212.81	9.6484

#3	43.122	L.86617	811.85	L-12.155	886.66	214.74	9.6781

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	76.530	H75.852	25.744	103.55	106.14	56.241	1566.5
#1	76.333	H75.155	27.232	105.92	106.32	55.250	1554.1
#2	76.215	H75.885	24.791	100.74	106.86	56.002	1561.5
#3	77.042	H76.514	25.208	103.98	105.24	57.471	1583.8

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L3.2933	H217.90	199.38	43.180	314.71	111.61	56.486
#1	L3.2630	H222.26	196.38	42.918	312.87	117.58	55.549
#2	L3.3461	H220.56	200.88	43.085	313.95	99.917	56.853
#3	L3.2710	H210.88	200.88	43.536	317.31	117.35	57.056

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	168.42	850.57	487.97	1116.6	109.33	47.401	50.951
#1	159.07	836.78	500.84	1105.2	109.07	47.686	50.035
#2	168.97	840.17	462.21	1118.2	109.47	46.319	51.409
#3	177.21	874.78	500.85	1126.4	109.47	48.199	51.409

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	570.72	L.94278	782.91	714.46
#1	569.24	L.96354	782.91	696.93
#2	570.29	L.96354	777.67	709.71
#3	572.65	L.90124	788.16	736.75

Method: SED5 Sample Name: INSTRUMENT THIRD Operator: MS
Run Time: 03/07/89 15:58:39
Comment:
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.60282	L.03539	L-5.1917	L-14.070	L-.33833	L-.09618	L-.05833
#1	L-.98714	L.04587	L-4.9920	L-14.807	L-2.9276	L-.16030	L-.02239
#2	L1.0964	L.02228	L-1.3978	L-19.059	L4.0173	L.03206	L.00625
#3	L-1.9177	L.03801	L-9.1852	L-8.3428	L-2.1046	L-.16030	L-.15885

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.04222	L.01815	L.65400	L-2.6662	L-.28240	L-1.3301	L4.5965
#1	L.05256	L.02142	L1.3706	L-1.4621	L2.0168	L-2.2040	L5.5814
#2	L.04480	L.01815	L.89743	L-2.7522	L-.56972	L-.14909	L5.0889
#3	L.02930	L.01489	L-.30601	L-3.7843	L-2.2942	L-1.6371	L3.1190

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L

Avge	L.98800	L-3.5192	L3.5861	.00622	L.68222	L-2.6878	L.03689
#1	L1.0649	L-2.5266	L4.1838	.00830	L.70362	L-2.4316	L.04250
#2	L.99224	L3.6997	L4.1838	.00633	L.71059	L-2.6258	L.03769
#3	L.90686	L-11.731	L2.3907	.00403	L.63245	L-3.0061	L.03047

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L8.9820	L14.290	L15.881	L.72342	L1.8771	L-.98717	L.04565
#1	16.431	L-.37628	L21.573	L.86810	L1.8771	L-.70096	L.18260
#2	L13.802	49.243	L8.7965	L.65108	L2.1900	L.38251	L.18260
#3	L-3.2861	L-5.9968	L17.275	L.65108	L1.5643	L-2.6431	L-.22824

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L1.3365	L.31130	-12.541	.59906
#1	L2.1281	L.41065	-15.328	2.7956
#2	L.41616	L.33117	-23.689	3.3947
#3	L1.4652	L.19208	1.3935	-4.3931

Method: SED5 Sample Name: AQC THIRD Operator: MS
Run Time: 03/07/89 16:01:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-75.950	5.5097	5131.8	5128.2	4940.5	4915.6	5068.9
#1	-74.797	5.5205	5130.9	5128.3	4956.4	4929.4	5075.7
#2	-76.769	5.5301	5140.3	5143.9	4942.6	4920.4	5072.7
#3	-76.284	5.4786	5124.1	5112.5	4922.4	4897.1	5058.3

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.4562	4.9233	5099.6	5136.0	5027.7	4946.0	5060.1
#1	5.4699	4.9342	5114.0	5141.6	5017.4	4956.0	5067.0
#2	5.4593	4.9255	5084.3	5130.6	5055.2	4955.2	5064.2
#3	5.4395	4.9102	5100.5	5135.8	5010.7	4926.7	5049.2

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	8.0313	52.330	4987.3	4.9441	4972.8	5112.6	4.9905
#1	8.0665	50.185	4997.6	4.9499	4978.3	5124.1	5.0109
#2	8.0299	53.846	4982.9	4.9483	4974.8	5103.5	4.9902
#3	7.9975	52.959	4981.4	4.9341	4965.4	5110.2	4.9704

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5017.3	5127.9	5231.5	5103.4	5018.9	4867.9	5163.8
#1	5036.4	5119.4	Q5251.6	5113.8	5031.9	4877.1	5175.6
#2	5007.3	5151.1	5205.4	5106.4	5019.4	4871.6	5164.7
#3	5008.3	5113.2	5237.6	5090.0	5005.4	4855.0	5151.0

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	5046.8	5.4562	4921.8	5128.4
#1	5068.1	5.4345	4935.5	5125.5
#2	5033.5	5.4996	4938.9	5136.0
#3	5039.0	5.4345	4890.9	5123.7

Method: SED5 Sample Name: AG THIRD Operator: MS
Run Time: 03/07/89 16:04:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	51.084	.03545	Q7.2015	Q-19.452	Q3.3122	Q1.9184	Q2.0367
#1	50.263	.03115	Q.32734	Q-35.757	Q2.0553	Q2.3914	Q2.6382
#2	51.738	.03760	Q6.7105	Q2.7615	Q6.4656	Q1.9184	Q1.9849
#3	51.251	.03760	Q14.567	Q-25.360	Q1.4157	Q1.4453	Q1.4871

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.01554	Q.00033	Q2.7594	Q.81072	Q2.5946	Q1.4014	Q3.7676
#1	.01695	Q.00109	Q3.2245	Q1.5509	Q3.7722	Q1.5611	Q2.5566
#2	.01695	Q.00029	Q2.0797	Q-.56398	Q2.3591	Q1.0779	Q4.5749
#3	.01271	Q-.00038	Q2.9740	Q1.4452	Q1.6526	Q1.5651	Q4.1713

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	.75691	-4.5488	Q4.4092	Q-.00163	Q2.3808	Q-.72570	.04339
#1	.74647	-7.1746	Q4.8991	Q-.00100	Q2.9951	Q.40530	.03681
#2	.75064	-5.9541	Q4.8991	Q-.00154	Q2.1455	Q-2.0100	.04864
#3	.77362	-.51775	Q3.4294	Q-.00234	Q2.0017	Q-.57239	.04470

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q10.954	Q28.268	Q22.295	Q2.4905	Q3.2909	Q1.9667	Q2.0205
#1	Q12.390	Q31.269	Q14.161	Q3.0241	Q4.1030	Q1.2209	Q2.6192
#2	Q9.1580	Q40.368	Q32.457	Q2.4905	Q3.2055	Q2.3400	Q1.9457
#3	Q11.313	Q13.166	Q20.267	Q1.9568	Q2.5644	Q2.3393	Q1.4967

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q2.0201	.22802	5.7110	9.1659
#1	Q2.3008	.23888	7.9954	4.2556
#2	Q1.7432	.22259	7.9954	9.1659
#3	Q2.0164	.22259	1.1422	14.076

Method: SED5 Sample Name: HIGH AQC THIRD Operator: MS

Run Time: 03/07/89 16:07:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.43186	94.782	Q96499.	Q11.161	Q15.962	Q1.2614	Q-3.8115
#1	1.7947	93.945	Q95493.	Q18.168	Q15.172	Q1.4453	Q-4.1879
#2	-1.6341	95.491	Q97134.	Q6.8419	Q16.414	Q1.1300	Q-3.3126
#3	1.1350	94.910	Q96869.	Q8.4739	Q16.299	Q1.2088	Q-3.9340

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	101.36	Q93.461	Q1.4624	Q3.0666	Q3.4483	Q2.5515	Q92573.
#1	101.29	Q91.140	Q1.2921	Q6.5210	Q-.67424	Q1.7235	Q92213.
#2	101.36	Q94.300	Q1.0531	Q-.56398	Q3.5656	Q2.4569	Q92734.
#3	101.44	Q94.942	Q2.0419	Q3.2429	Q7.4535	Q3.4739	Q92772.

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	100.63	966.20	Q13.717	Q102.03	Q12.207	Q11.965	99.462
#1	100.48	957.73	Q15.187	Q101.84	Q12.528	Q12.096	98.267
#2	100.53	975.04	Q12.248	Q102.03	Q11.957	Q16.029	100.36
#3	100.87	965.83	Q13.717	Q102.23	Q12.137	Q7.7706	99.762

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q5.9258	Q-.78805	Q-1.6034	Q4.1508	Q6.2400	Q2.4756	Q1.1973
#1	Q13.468	Q-7.8586	Q13.284	Q4.2694	Q6.6673	Q2.7527	Q1.9457
#2	Q8.0806	Q-7.7540	Q-25.423	Q4.0915	Q5.8980	Q.97225	Q.82318
#3	Q-3.7709	Q13.249	Q7.3291	Q4.0915	Q6.1545	Q3.7019	Q.82318

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q91298.	97.970	95487.	96378.
#1	Q91191.	97.766	94545.	95356.
#2	Q91130.	98.002	96289.	97027.
#3	Q91573.	98.141	95628.	96750.

Method: SED5 Sample Name: AQC FOURTH Operator: MS
Run Time: 03/07/89 16:38:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-74.014	5.3820	5065.8	4978.5	4882.9	4878.6	4929.4
#1	-72.172	5.3691	5048.9	4979.9	4875.3	4878.3	4909.0
#2	-74.869	5.3917	5052.9	4980.1	4895.1	4864.4	4933.1
#3	-75.001	5.3852	5095.6	4975.4	4878.4	4893.1	4946.1

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow

Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.2484	4.8625	4903.8	4975.1	4874.3	4895.5	4920.7
#1	5.2107	4.8588	4871.0	4955.1	4865.5	4893.0	4899.1
#2	5.2630	4.8510	4911.7	4984.5	4887.7	4880.0	4930.6
#3	5.2714	4.8776	4928.8	4985.7	4869.7	4913.6	4932.6

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	7.6794	44.453	5011.3	4.7877	4821.6	4965.0	4.9691
#1	7.6787	39.645	5004.9	4.7691	4800.2	4953.5	4.9625
#2	7.7017	53.180	4993.1	4.7913	4828.4	4969.7	4.9407
#3	7.6578	40.533	5035.8	4.8028	4836.1	4971.8	5.0040

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4871.9	4854.5	5005.5	5054.2	4926.4	Q4738.8	5083.5
#1	4856.4	4821.3	4983.1	5051.0	4916.8	Q4723.6	5074.6
#2	4847.8	4849.0	5029.7	5042.5	4918.6	Q4733.6	5074.0
#3	4911.4	4893.3	5003.6	5069.0	4943.8	4759.2	5101.9

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	4870.0	5.1087	4837.2	5064.7
#1	4833.2	5.0761	4836.1	5049.8
#2	4884.0	5.1576	4825.8	5049.6
#3	4892.6	5.0924	4849.8	5094.8

Samples analyzed by SED5 on 03/08/89 stored in file RUN655B .

Data set	Sample id	Dig QC	Ins QC
	first instrument		B
	aqc first		Q
	first instrument		B
	aqc first		Q
	AG FIRST		Q
	HIGH AQC FIRST		Q
	ICAP 7 NEW		S
SF5883	FS09B75		S
SF5883	FS09S76	SMP3	S
SF5889	FZ09S82		S
SF5883	FS09S77		S
SF5883	FS09R08		S
	DIGESTION 29		B
SF5883	FS09S76 DUP	DUP3	S
SF5883	FS09S76 SPK	SPK3	S
SF5883 1/3 DILUTION	FS09S76 SPK	~~SPK3~~	S
	SECOND INSTRUMENT		B
	AG SECOND		Q
	AQC SECOND		Q
	HIGH AQC SECOND		Q
SF5906	FC10S14	SMP4	S
SF5906	FC10S15		S
SF5906	FC10S16		S
SF5906	FC10S17		S
SF5906	FC10S18		S
WP5903	OI14S01		S
WP5903	OI14S02		S
WP5903	OI14S03		S
WP5903	OI14S04		S
SF5906	FC10S14 1/3 DILUTE		S
SF5906	FC10S15 1/3 DILUTE		S
	THIRD INSTRUMENT		B
	AG THIRD		Q
	AQC THIRD		Q
	HIGHAQC THIRD		Q
	FOURTH INSTRUMENT		B
	AG FOURTH		Q
	AQC FOURTH		Q
	HIGH AQC FOURTH		Q
SF5906	FC10S19		S
SF5906	FC10S20		S
SF5906	FC10S21		S
SF5906	FC10D21		S
SF5906	FC10S20		S
SF5906	FC10S14 DUP	DUP4	S
SF5906	FC10S14 SPK	SPK4	S

SF5906	FC10S14 1/3 DUP		S
SF5906	FC10S14 1/3 SPK		S
	DIGESTION 24		B
	FIFTH INSTRUMENT		B
	AG FIFTH		Q
	AQC FIFTH		Q
	HIGH AQC FIFTH		Q
SF5906	FC10S22	SMP5	S
SF5906	FC10S23		S
SF5906	FC10R03		S
SF5906	FC10R04		S
SF5906	FC10S22 DUP	DUP5	S
SF5906	FC10S22 SPK	SPK5	S
SF5906	FC10S22 1/3 SPK		S
	DIGESTION 31		B
	SIXTH INSTRUMENT		B
	AG SIXTH		Q
	AQC SIXTH		Q
	HIGH AQC SIXTH		Q

Samples analyzed by SED5 on 03/06/89 stored in file RUN655 .

Data set	Sample id	Dig QC	Ins QC
	cu for iec	iec	S
	al for iec	iec	S
	fe for iec	iec	S
	as for iec	iec	S
	cr for iec	iec	S
	first instrument		B
	AG FIRST		Q
	AQC FIRST		Q
	AQC FIRST		Q
	HIGH AQC FIRST		Q
	HIGH AQC FIRST		Q
	AG FIRST		Q
	first instrument		B
SF5887	FS09S84	SMP1	S
SF5887	FS09B84		S
SF5887	FS09S85		S
SF5887	FS09S86		S
SF5887	FS09S87		S
SF5887	FS09R01		S
SF5888	FZ09S89		S
SF5888	FZ09S90		S
SF5888	FZ09B90		S
	DIGESTION 10		B
SF5887	FS09S84	DUP1	S
SF5887	FS09S84	SPK1	S
	SECOND INSTRUMENT		B
	AG SECOND		Q
	AQC SECOND		Q
	HIGHAQC SECOND		Q
	THIRD INSTRUMENT		B
	AQC THIRD		Q
	AG THIRD		Q
	HIGH AQC THIRD		Q
	FOURTH INSTRUMENT		B

Run 655

MS 3/6/89

Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00947	.10880	.00487	-.00960	.20347	.00020	.01813
#1	-.00940	.10880	.00600	-.01040	.19960	.00040	.01840
#2	-.00900	.10880	.00500	-.00360	.20280	.00040	.01800
#3	-.01000	.10880	.00360	-.01480	.20800	-.00020	.01800

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.25640	.04640	.00433	.00720	-.00173	.00160	.08067
#1	.25640	.04600	.00680	.00560	-.00280	.00280	.08120
#2	.25680	.04640	.00420	.01080	.00000	.00120	.08000
#3	.25600	.04680	.00200	.00520	-.00240	.00080	.08080

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	.86027	-.02240	.02347	.01213	.06667	.00567	.15507
#1	.86060	-.01660	.02400	.01200	.06760	-.00280	.15640
#2	.85860	-.02460	.02320	.01240	.06600	.01540	.15480
#3	.86160	-.02600	.02320	.01200	.06640	.00440	.15400

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00067	.00220	.00373	.02840	.10507	.00167	-.00107
#1	-.00040	.00170	.00920	.02840	.10600	.00240	-.00120
#2	-.00040	.00290	.00040	.02840	.10520	.00360	-.00080
#3	-.00120	.00200	.00160	.02840	.10400	-.00100	-.00120

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.08067	.24393	.00773	.00403
#1	.08040	.24600	.00720	.00580
#2	.08120	.24340	.00800	.00370
#3	.08040	.24240	.00800	.00260

Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.80737	.11920	.09027	4.9241	.24813	.00070	.02033
#1	.80950	.11840	.08820	4.9586	.24440	.00060	.02040
#2	.80540	.11920	.09060	4.9484	.24760	.00110	.02040
#3	.80720	.12000	.09200	4.8654	.25240	.00040	.02020

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.30827	.12453	.12980	18.911	5.6063	-.00267	.08813
#1	.30720	.12360	.12980	18.953	5.6120	-.00260	.08800
#2	.30880	.12760	.13320	18.879	5.5762	-.00260	.08800
#3	.30880	.12240	.12640	18.900	5.6306	-.00280	.08840

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	1.1432	-.01240	2.7863	14.532	.07200	26.288	20.919

#1	1.1382	-.01940	2.8002	14.556	.07160	26.328	21.012
#2	1.1398	-.01220	2.7874	14.521	.07200	26.264	20.941
#3	1.1516	-.00560	2.7712	14.520	.07240	26.272	20.805

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00047	.43143	4.5721	22.821	.11120	-.55847	17.991
#1	.00020	.43120	4.5752	22.920	.11120	-.54880	18.058
#2	-.00120	.43210	4.5448	22.823	.11080	-.56020	17.988
#3	-.00040	.43100	4.5962	22.721	.11160	-.56640	17.926

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.09167	.24600	.00347	.09127
#1	.09240	.24640	.00280	.09120
#2	.09140	.24440	.00320	.09020
#3	.09120	.24720	.00440	.09240

Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.12293	.13493	.01800	.04593	6.4557	.00077	23.957
#1	-.12240	.13400	.01680	.05420	6.4910	.00080	23.997
#2	-.12340	.13560	.02040	.05040	6.4364	.00080	23.916
#3	-.12300	.13520	.01680	.03320	6.4398	.00070	23.958

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	3.2482	28.686	23.457	.05827	-.10787	8.0957	.12113
#1	3.2500	28.814	23.455	.06400	-.10500	8.1298	.12120
#2	3.2430	28.617	23.411	.05420	-.11140	8.0740	.12140
#3	3.2516	28.628	23.506	.05660	-.10720	8.0832	.12080

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	1.3277	1.7706	.02587	.02693	27.755	.02527	.20480
#1	1.3294	1.7848	.02640	.03040	27.848	.02960	.20880
#2	1.3286	1.7530	.02560	.02560	27.709	.01740	.20280
#3	1.3252	1.7740	.02560	.02480	27.708	.02880	.20280

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	1.8107	.01170	.00080	.04260	.10800	17.712	.00920
#1	1.8156	.01160	-.00240	.04780	.10760	17.757	.01340
#2	1.8098	.01170	.00600	.04080	.10760	17.689	.00800
#3	1.8066	.01180	-.00120	.03920	.10880	17.690	.00620

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	14.141	.49347	.00520	.00967
#1	14.152	.49100	.00480	.00920
#2	14.102	.49320	.00560	.01160
#3	14.170	.49620	.00520	.00820

Standard: cazn

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01073	.11400	-.04733	-.00940	.27593	.00027	.02100
#1	-.01040	.11400	-.04140	-.01720	.28000	-.00020	.02160
#2	-.01220	.11400	-.04540	-.00400	.27340	.00040	.02080
#3	-.00960	.11400	-.05520	-.00700	.27440	.00060	.02060

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	112.77	219.13	.00770	.00913	-.00053	.00393	.09187
#1	112.89	219.13	.00800	.01280	-.00040	.00520	.09080
#2	112.65	219.10	.00720	.00940	.00160	.00340	.09240
#3	112.76	219.15	.00790	.00520	-.00280	.00320	.09240

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	.92740	-.00900	.02987	.01747	.07547	.07680	.20533
#1	.92640	-.01180	.03000	.01760	.07600	.09800	.20840
#2	.92680	-.01440	.03000	.01740	.07520	.05360	.20240
#3	.92900	-.00080	.02960	.01740	.07520	.07880	.20520

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	.00007	.00123	.00473	.04373	.12880	.00280	.00020
#1	.00040	.00130	.00440	.04400	.12880	.00560	.00080
#2	.00100	.00060	.00640	.04360	.12840	-.00040	.00000
#3	-.00120	.00180	.00340	.04360	.12920	.00320	-.00020

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	458.26	10.022	.00780	-.17750
#1	449.34	10.037	.00860	-.17630
#2	479.47	10.018	.00760	-.17720
#3	445.98	10.012	.00720	-.17900

Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01387	.75973	4.1116	.01460	.50447	12.633	.02973
#1	-.01420	.76480	4.1156	.01080	.50240	12.651	.03000
#2	-.01460	.75880	4.1166	.01640	.50960	12.661	.03000
#3	-.01280	.75560	4.1026	.01660	.50140	12.586	.02920

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.32147	.44753	.00197	.05133	-.00120	.00407	5.0719
#1	.33120	.54780	.00040	.05200	-.00160	.00420	5.0790
#2	.31920	.43880	.00330	.05120	-.00200	.00380	5.0800
#3	.31400	.35600	.00220	.05080	.00000	.00420	5.0568

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	2.9175	-.00180	.02453	.01320	.07387	.00833	.23507
#1	2.9192	.00520	.02480	.01320	.07400	.00620	.23560
#2	2.9152	-.00500	.02440	.01320	.07360	.01080	.23440

#3	2.9180	-.00560	.02440	.01320	.07400	.00800	.23320

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00030	.00040	.00760	.02973	15.778	.00600	-.00040
#1	.00060	.00120	.00840	.03000	15.819	.00600	.00000
#2	-.00110	-.00220	-.00040	.02960	15.781	.00480	-.00080
#3	-.00040	.00220	.01480	.02960	15.733	.00720	-.00040

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.27867	.25427	.59200	4.1096
#1	.33000	.25560	.59720	4.1140
#2	.27080	.25320	.59080	4.1152
#3	.23520	.25400	.58800	4.0995

Standard: alfe

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.07010	24.983	126.03	1.2075	.34933	.01213	.36540
#1	-.06880	25.093	126.11	1.1804	.34680	.01340	.37060
#2	-.07120	24.975	126.07	1.2254	.34800	.01160	.36800
#3	-.07030	24.882	125.91	1.2168	.35320	.01140	.35760

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.28773	.20620	-.01480	.02720	.00147	-.04333	186.27
#1	.29000	.22040	-.01260	.02800	-.00180	-.04320	186.70
#2	.28920	.21740	-.01520	.02960	.00420	-.04280	187.11
#3	.28400	.18080	-.01660	.02400	.00200	-.04400	185.01

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	78.270	-.01180	.02467	.02600	.25187	-.09887	.19867
#1	78.384	-.00740	.02480	.02600	.25280	-.09640	.19880
#2	78.585	-.03020	.02480	.02600	.25240	-.08280	.19640
#3	77.842	.00220	.02440	.02600	.25040	-.11740	.20080

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	.00080	-.05900	-.05553	.03007	.15213	.00480	.00053
#1	.00260	-.05980	-.06640	.03000	.15320	.00640	.00040
#2	.00040	-.05900	-.06380	.03020	.15240	.00520	.00040
#3	-.00060	-.05820	-.03640	.03000	.15080	.00280	.00080

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.25127	.24840	23.438	126.00
#1	.25760	.24720	23.532	126.06
#2	.25640	.24920	23.446	126.05
#3	.23980	.24880	23.335	125.89

Method: SED5 Sample Name: cu for iec Operator: MS
Run Time: 03/06/89 13:54:37

Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.04081	L.05360	26.785	L-1.4864	44.144	L.79161	L.27849
#1	L.44889	L.07075	41.720	27.565	42.438	L1.1874	L.27849
#2	L-.89778	L.05146	L17.370	L-17.026	44.997	L.63329	L.27849
#3	L.32646	L.03859	21.266	L-14.999	44.997	L.55412	L.27849

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.02015	L.01076	L-.93805	L.00000	L.95102	10258.	32.190
#1	L.02702	L.01371	L-.99490	L1.0580	L6.6572	10127.	43.543
#2	L.02133	L.01009	L-.90962	L-.63480	L-1.1888	10312.	29.118
#3	L.01209	L.00848	L-.90962	L-.42320	L-2.6153	10336.	23.908

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.79854	L.29373	L2.4130	-.00538	L.43340	L-1.0653	L.10274
#1	L.85811	L.14501	L1.9304	-.00538	L.62602	L1.8770	L.11238
#2	L.76980	L.39041	L3.3782	-.00538	L.33708	L-.78633	L.09889
#3	L.76772	L.34579	L1.9304	-.00538	L.33708	L-4.2868	L.09696

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.36805	228.31	L-9.6315	L.20474	L1.8291	L.11293	L-.07411
#1	L2.0243	260.93	L-23.057	L.35099	L2.5097	L1.0916	L.37054
#2	L-9.5694	237.63	L-13.426	L.08775	L1.6164	L-1.3928	L-.51876
#3	L6.4409	186.38	L7.5885	L.17549	L1.3612	L.63993	L-.07411

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	56.233	L.13908	22.821	27.849
#1	59.551	L.28089	38.795	42.788
#2	56.422	L.06818	25.103	19.405
#3	52.724	L.06818	4.5641	21.353

Method: SED5 Sample Name: al for iec Operator: MS
Run Time: 03/06/89 13:58:28
Comment:
Mode: CONC Corr. Factor: .0025

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00061	L.97573	768.76	6.0667	L.18180	L.00106	L.00125
#1	L.00265	L.97013	768.21	5.9975	L.17327	L.00119	L.00153
#2	L.00143	L.97680	768.94	5.9580	L.19086	L.00079	L.00111
#3	L-.00224	L.98025	769.14	6.2448	L.18127	L.00119	L.00111

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L

Avge	L.00018	L.00009	L-.00199	L.00079	L.02051	L.01380	L.12388
#1	L.00018	L.00009	L.00114	L-.00476	L.03447	L.01483	L.13090
#2	L.00017	L.00010	L-.00313	L.00688	L-.00208	L.01359	L.11787
#3	L.00018	L.00010	L-.00398	L.00026	L.02913	L.01297	L.12288

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.00233	L.00191	L.01026	.00001	L.07946	L-.01376	L.00035
#1	L.00233	L.00153	L.01026	.00001	L.07921	L-.02765	L.00034
#2	L.00228	L.00237	L.00845	.00001	L.07958	L-.00501	L.00035
#3	L.00238	L.00184	L.01207	.00001	L.07958	L-.00862	L.00034

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.02392	L-3.2073	L-.07990	L.00102	L.05870	L.06917	L-.00093
#1	L.02576	L-3.1917	L-.04670	L.00088	L.06019	L.06992	L-.00019
#2	L.03128	L-3.2500	L-.08172	L.00132	L.05828	L.06992	L-.00074
#3	L.01472	L-3.1801	L-.11127	L.00088	L.05764	L.06766	L-.00185

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L.09945	L.00080	1009.2	768.87
#1	L.09767	L.00070	1002.9	768.26
#2	L.10087	L.00087	1009.8	769.04
#3	L.09981	L.00082	1014.9	769.30

Method: SED5 Sample Name: fe for iec Operator: MS
Run Time: 03/06/89 14:01:20
Comment:
Mode: CONC Corr. Factor: .0025

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.18160	L.00084	L.58887	.22971	L1.3414	L.00805	L.35793
#1	L-.17915	L.00089	L.62905	.16418	L1.3297	L.00792	L.35639
#2	L-.18098	L.00080	L.54747	.35470	L1.3456	L.00831	L.35326
#3	L-.18466	L.00082	L.59009	.17026	L1.3488	L.00792	L.36412

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00031	L.00029	L-.01393	L.02451	L-.00446	L-.12849	919.69
#1	L.00030	L.00029	L-.01165	L.02804	L-.00386	L-.12849	918.61
#2	L.00032	L.00029	L-.01805	L.02328	L.00238	L-.12725	918.57
#3	L.00031	L.00030	L-.01208	L.02222	L-.01189	L-.12972	921.89

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.0143	L.00257	L-.00121	.00004	L.09270	L-.10964	L.00143
#1	L1.0125	L.00259	L-.00241	.00004	L.09294	L-.11040	L.00143
#2	L1.0137	L.00131	L.00121	.00004	L.09330	L-.11212	L.00142

#3	L1.0168	L.00379	L-.00241	.00004	L.09186	L-.10641	L.00143

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.01564	L-.45042	L-.35243	L.00366	L.00425	L-.06089	L.00204
#1	L-.00184	L-.39606	L-.38380	L.00351	L.00404	L-.06023	L.00204
#2	L-.03773	L-.51254	L-.32689	L.00395	L.00596	L-.05995	L.00204
#3	L-.00736	L-.44265	L-.34659	L.00351	L.00276	L-.06249	L.00204

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L.14070	L-.00076	.57052	.60751
#1	L.13928	L-.00073	.62757	.64831
#2	L.14248	L-.00069	.53343	.57098
#3	L.14034	L-.00085	.55055	.60325

Method: SED5 Sample Name: as for iec Operator: MS
Run Time: 03/06/89 14:05:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.24485	L-.00322	47.402	10360.	95.539	L-.02639	L.11140
#1	L-.16323	L-.00322	58.278	10298.	98.737	L.31664	L.11140
#2	L.81616	L-.00322	42.207	10430.	96.498	L-.23748	L.11140
#3	L.08162	L-.00322	41.720	10350.	91.380	L-.15832	L.11140

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00095	L.00799	81.809	L1.0227	L.35663	L.16473	149.59
#1	L.00569	L.00794	82.150	L.42320	L1.6643	L.98838	178.18
#2	L-.00284	L.00794	83.515	L2.5392	L-.11888	L-.49419	155.74
#3	L-.00569	L.00808	79.763	L.10580	L-.47551	L.00000	114.87

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.86780	L.51682	L.48261	-.00329	L-.43339	L-1.9278	L.23985
#1	L.91421	L.10039	L.48261	-.00338	L-.24077	L-3.2975	L.24338
#2	L.83837	L1.2605	L.48261	-.00325	L-.52970	L-3.0692	L.23760
#3	L.85083	L.18963	L.48261	-.00325	L-.52970	L.58340	L.23857

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.73611	L-11.649	L-1.8971	L-.14624	L-.63804	L-.48936	L-.33349
#1	L2.5764	L2.3297	L15.031	L-.08775	L-.42536	L-.26350	L-.18527
#2	L3.1285	L-4.6595	L-10.799	L-.17549	L-.68058	L.18822	L-.29643
#3	L-3.4965	L-32.616	L-9.9234	L-.17549	L-.80819	L-1.3928	L-.51876

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L2.5603	L-.01636	3.4231	47.578

#1	L2.6552	L.04363	1.1410	59.838
#2	L2.3707	L-.06272	7.9872	43.519
#3	L2.6552	L-.03000	1.1410	39.378

Method: SED5 Sample Name: cr for iec Operator: MS
Run Time: 03/06/89 14:08:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L1.3059	L-.00322	L14.772	5.1347	31.775	L.00000	L.00000
#1	L1.3059	L-.00322	L12.500	17.026	30.282	L-.15832	L-.05570
#2	L.32646	L-.00322	L13.474	L-17.026	36.040	L.00000	L-.05570
#3	L2.2852	L-.00322	L18.344	15.404	29.003	L.15832	L.11140

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00806	L.00481	L-.76749	L5.1136	10486.	L1.3178	24.309
#1	L.00569	L.00445	L-1.2507	L5.7132	10505.	L1.9768	23.508
#2	L.00142	L.00472	L.11370	L3.0682	10504.	L.98838	26.713
#3	L.01707	L.00526	L-1.1655	6.5596	10449.	L.98838	22.706

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.98070	L.87005	L-.24130	-.00281	L-.14446	L3.8302	L.15155
#1	L1.0067	L.90351	L.48261	-.00298	L-.24077	L5.1492	L.14320
#2	L.92771	L1.0708	L-.96520	-.00298	L-.24077	L-.17756	L.15091
#3	L1.0077	L.63581	L-.24130	-.00245	L.04816	L6.5189	L.16054

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-2.7604	L-27.180	L-11.966	L-.17549	L1.9141	L-31.583	L-.14822
#1	L-1.8403	L-37.276	L-15.177	L-.17549	L1.6164	L-30.980	L-.51876
#2	L-1.2882	L-32.616	L-10.799	L-.17549	L1.7440	L-32.335	L-.07411
#3	L-5.1527	L-11.649	L-9.9234	L-.17549	L2.3821	L-31.432	L.14822

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L1.8017	L-.16908	2.2821	13.884
#1	L1.5172	L-.23453	1.1410	9.1746
#2	L1.5172	L-.20999	14.833	16.969
#3	L2.3707	L-.06272	-9.1282	15.508

Method: SED5 Sample Name: first instrument Operator: MS
Run Time: 03/06/89 14:15:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be

Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.80259	L-.04717	L-1.1363	L-12.688	L-61.902	L-.05277	L-.38164
#1	L1.5288	L-.05146	L1.7857	3.8333	L-63.867	L.00000	L-.42098
#2	L1.1748	L-.03859	L-1.1363	L-21.800	L-64.604	L.00000	L-.27992
#3	L-.29583	L-.05146	L-4.0584	L-20.098	L-57.235	L-.15832	L-.44403

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.03081	L-.00033	L1.1781	L-.77586	L3.4501	L.57121	L-.93497
#1	L-.03271	L-.00038	L.47380	L.84640	L1.6668	L.56534	L.26712
#2	L-.02702	L-.00038	L.72716	L-.42320	L4.8768	L1.5631	L-1.7364
#3	L-.03271	L-.00024	L2.3334	L-2.7508	L3.8068	L-.41477	L-1.3357

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.59942	L.26399	L-1.9304	-.00441	L-.80197	L-3.4347	L-.03082
#1	L.55371	L-.26771	L-3.8608	-.00458	L-1.1589	L-3.9978	L-.03403
#2	L.62643	L1.1712	L-.96520	-.00432	L-.66001	L-1.3264	L-.02633
#3	L.61812	L-.11154	L-.96520	-.00432	L-.58700	L-4.9799	L-.03211

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L2.2083	L-23.968	L5.4610	L-.35099	L-2.1268	L1.2143	L-.22233
#1	L-.73611	L-23.226	L6.0283	L-.35099	L-2.4671	L1.1306	L-.07411
#2	L8.0972	L-27.834	L11.309	L-.35099	L-1.9567	L1.8227	L-.29643
#3	L-.73611	L-20.845	L-.95373	L-.35099	L-1.9567	L.68957	L-.29643

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-1.7944	L-.31907	1.1410	-2.1110
#1	L-1.4087	L-.37362	35.372	1.8674
#2	L-1.4245	L-.29180	-15.974	-3.4912
#3	L-2.5501	L-.29180	-15.974	-4.7091

Method: SED5 Sample Name: AG FIRST Operator: MS
Run Time: 03/06/89 14:18:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	53.098	-.00858	Q-.48701	Q-17.947	Q-44.029	Q-.29026	Q-.19827
#1	53.826	-.01930	Q1.7857	Q-37.333	Q-41.639	Q-.23748	Q-.29777
#2	52.369	-.00322	Q-.16233	Q-5.8259	Q-44.285	Q-.31664	Q-.15373
#3	53.098	-.00322	Q-3.0844	Q-10.684	Q-46.165	Q-.31664	Q-.14332

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.01138	Q-.00373	Q.75365	Q.70533	Q3.5695	Q-.56775	Q1.3357
#1	-.02133	Q-.00346	Q-.68007	Q1.2696	Q7.3734	Q-.40729	Q-.53428

#2	-.00569	Q-.00400	Q-.04151	Q3.1740	Q3.8074	Q.09517	Q2.6713
#3	-.00711	Q-.00373	Q2.9825	Q-2.3276	Q-.47234	Q-1.3911	Q1.8699

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	.70954	.23053	Q.00000	Q-.00538	Q-.35470	Q-.12513	.01734
#1	.67630	.40156	Q-.96520	Q-.00538	Q-.73686	Q-1.7775	.00642
#2	.74071	.33463	Q.48261	Q-.00538	Q-.16497	Q1.8822	.01991
#3	.71162	-.04462	Q.48261	Q-.00538	Q-.16228	Q-.48002	.02569

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q1.6562	Q-26.875	Q3.6058	Q-.08775	Q-.85073	Q-.05847	Q-.14822
#1	Q7.5451	Q-55.662	Q13.954	Q-.26324	Q-1.4462	Q-1.3284	Q-.51876
#2	Q-5.1527	Q-29.965	Q-.46887	Q.00000	Q-.42536	Q.92290	Q-.07411
#3	Q2.5764	Q5.0014	Q-2.6681	Q.00000	Q-.68058	Q.23006	Q.14822

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q.18784	-.06818	-7.9872	-.89310
#1	Q-.56700	-.23453	-12.551	-3.9784
#2	Q.84352	-.01364	-12.551	.40596
#3	Q.28701	.04363	1.1410	.89310

Method: SED5 Sample Name: AQC FIRST Operator: MS
Run Time: 03/06/89 14:20:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-76.976	5.6439	5264.4	5168.4	5150.2	5177.7	5234.3
#1	-77.799	5.6450	5279.0	5176.6	5156.3	5194.2	5235.9
#2	-75.829	5.6546	5262.4	5137.2	5133.8	5171.1	5231.3
#3	-77.298	5.6321	5251.7	5191.3	5160.7	5167.8	5235.6

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.4902	5.1586	5140.4	5177.1	5068.0	5249.0	5137.8
#1	5.4893	5.1696	5156.6	5176.2	5046.6	Q5262.4	5148.9
#2	5.4935	5.1538	5109.5	5175.7	5080.1	5237.7	5131.6
#3	5.4878	5.1523	5155.0	5179.3	5077.3	5246.9	5132.8

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	8.0255	5.8970	5231.2	5.0895	5178.2	5181.3	5.2484
#1	7.9839	5.6553	5238.6	5.0890	5178.0	5185.4	5.2603
#2	8.0452	6.0680	5248.1	5.0871	5173.7	5175.9	5.2458
#3	8.0473	5.9677	5206.8	5.0924	5183.1	5182.5	5.2390

Elem	Ni	Pb	Sn	Sr	Ti	V	Y

Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5172.2	5085.5	5101.7	Q5276.1	5150.9	5014.6	Q5304.2
#1	5188.8	5059.6	5096.7	Q5286.3	5156.0	5017.9	Q5314.4
#2	5128.1	5039.2	5100.7	Q5272.2	5150.2	5014.3	Q5297.9
#3	5199.9	5157.8	5107.7	Q5269.9	5146.6	5011.5	Q5300.2

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	5106.3	5.2742	5081.0	5258.9
#1	5103.7	5.2879	5091.3	5268.9
#2	5099.8	5.2797	5081.0	5259.6
#3	5115.3	5.2552	5070.7	5248.2

Method: SED5 Sample Name: AQC FIRST Operator: MS
Run Time: 03/06/89 14:23:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-77.232	5.6632	5295.7	5164.5	5179.0	5203.8	5243.8
#1	-76.820	5.6386	5271.2	5154.3	5168.7	5175.5	5229.3
#2	-77.309	5.6900	5301.9	5171.1	5171.6	5212.6	5245.8
#3	-77.568	5.6611	5314.0	5168.0	5196.7	5223.3	Q5256.3

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.4672	5.1843	5134.3	5171.0	5068.7	Q5292.7	5135.8
#1	5.4452	5.1581	5115.4	5157.3	5021.6	Q5269.1	5109.2
#2	5.4779	5.1935	5141.5	5167.3	5075.1	Q5302.7	5150.1
#3	5.4786	5.2013	5146.0	5188.5	5109.4	Q5306.4	5148.1

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	7.9589	5.6553	Q5292.0	5.0916	5177.3	5181.6	5.2748
#1	7.9818	5.5103	Q5256.0	5.0706	5157.3	5159.9	5.2487
#2	7.9870	5.5884	Q5295.8	5.0993	5181.9	5196.1	5.2738
#3	7.9080	5.8673	Q5324.1	5.1048	5192.8	5188.9	5.3018

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5177.8	5139.7	5123.0	Q5302.1	5167.1	5021.2	Q5328.9
#1	5136.9	5080.4	5143.1	Q5274.3	5144.4	4997.9	Q5304.6
#2	5189.9	5173.0	5123.9	Q5310.9	5173.5	5031.0	Q5336.0
#3	5206.5	5165.8	5102.0	Q5321.0	5183.3	5034.8	Q5346.3

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	5109.7	5.2470	5119.8	5290.8
#1	5106.8	5.1243	5091.3	5262.1
#2	5098.5	5.3042	5146.1	5296.2

#3	5123.9	5.3124	5122.1	5314.2

Method: SED5 Sample Name: HIGH AQC FIRST Operator: MS
Run Time: 03/06/89 14:26:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.91367	97.433	Q98342.	Q-10.567	Q-89.250	Q3.1137	Q1.7670
#1	-.69492	97.528	Q98915.	Q10.644	Q-89.697	Q3.1664	Q2.2640
#2	-1.3294	98.117	Q98915.	Q-56.699	Q-91.076	Q3.4831	Q1.7326
#3	-.71669	96.653	Q97195.	Q14.353	Q-86.977	Q2.6915	Q1.3044

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	102.08	Q101.43	Q1.7070	Q3.2093	Q4.0169	Q3.1804	Q93434.
#1	101.83	Q103.57	Q3.8198	Q.84640	Q5.6806	Q2.0912	Q93467.
#2	102.28	Q102.75	Q2.0759	Q2.9624	Q3.5432	Q3.8916	Q93849.
#3	102.13	Q97.976	Q-.77456	Q5.8190	Q2.8270	Q3.5583	Q92987.

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	101.03	101.87	Q12.789	Q102.63	Q14.326	Q11.356	102.34
#1	100.89	102.07	Q13.513	Q102.49	Q14.677	Q11.341	103.14
#2	101.44	102.58	Q12.789	Q102.87	Q14.337	Q6.5308	103.03
#3	100.77	100.96	Q12.065	Q102.51	Q13.966	Q16.198	100.85

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q8.4652	Q-40.454	Q-8.2591	Q5.5573	Q5.5298	Q3.3790	Q2.5567
#1	Q10.305	Q-28.541	Q-7.7184	Q5.7913	Q5.4447	Q1.9451	Q3.1496
#2	Q11.410	Q-49.742	Q3.9056	Q5.6158	Q5.6999	Q4.7951	Q2.5938
#3	Q3.6805	Q-43.080	Q-20.964	Q5.2648	Q5.4447	Q3.3969	Q1.9268

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q92765.	100.06	98403.	98247.
#1	Q92683.	100.27	98460.	98804.
#2	Q93134.	100.41	99134.	98820.
#3	Q92479.	99.504	97614.	97117.

Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00853	.10847	.00880	-.01013	.17260	.00053	.01920
#1	-.00780	.10840	.01000	-.01680	.17100	.00040	.01920
#2	-.00920	.10840	.00760	.00680	.17480	.00080	.01920
#3	-.00860	.10860	.00880	-.02040	.17200	.00040	.01920

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.25467	.07813	.00430	.00887	.00113	.00240	.08480
#1	.25480	.08280	.00380	.00540	-.00080	.00240	.08480
#2	.25560	.07720	.00210	.01080	.00320	.00160	.08480
#3	.25360	.07440	.00700	.01040	.00100	.00320	.08480

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	.85747	-.00240	.02333	.02653	.06667	.00907	.15400
#1	.85400	-.00040	.02320	.02880	.06680	.00080	.15360
#2	.86520	-.00920	.02360	.02600	.06640	.01840	.15280
#3	.85320	.00240	.02320	.02480	.06680	.00800	.15560

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00170	.00200	.00447	.02893	.10367	.00307	-.00060
#1	-.00130	.00160	-.00320	.02920	.10360	.00160	-.00060
#2	-.00240	.00240	.01120	.02880	.10380	.00440	-.00080
#3	-.00140	.00200	.00540	.02880	.10360	.00320	-.00040

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.09280	.24047	.00813	.00700
#1	.09440	.23880	.00820	.00840
#2	.09320	.24280	.00720	.00520
#3	.09080	.23980	.00900	.00740

Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.81987	.11907	.09260	4.9784	.20367	.00083	.02087
#1	.82080	.11880	.09420	4.9828	.20220	.00090	.02060
#2	.82120	.11840	.09160	5.0188	.20480	.00060	.02080
#3	.81760	.12000	.09200	4.9336	.20400	.00100	.02120

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.30160	.10187	.12973	19.153	5.6764	-.00300	.08987
#1	.30040	.10320	.13500	19.120	5.6780	-.00260	.09000
#2	.30080	.10320	.12920	19.187	5.6920	-.00320	.09000
#3	.30360	.09920	.125	19.153	5.6592	-.00320	.08960

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	1.1433	-.00920	2.8035	14.561	.07140	26.509	20.943
#1	1.1428	-.00020	2.8048	14.537	.07120	26.427	20.962
#2	1.1390	-.01560	2.8384	14.594	.07120	26.602	21.162
#3	1.1480	-.01180	2.7674	14.552	.07180	26.497	20.706

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00030	.43393	4.5899	23.045	.11053	-.56260	18.184
#1	.00160	.43400	4.5386	23.020	.11000	-.55600	18.160
#2	-.00050	.43360	4.6174	23.237	.11000	-.56460	18.314
#3	-.00200	.43420	4.6136	22.879	.11160	-.56720	18.078

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.09347	.24307	.00493	.09427
#1	.09560	.24280	.00520	.09600
#2	.09200	.24160	.00440	.09380
#3	.09280	.24480	.00520	.09300

Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.12573	.13280	.00200	.05687	6.5606	.00047	24.731
#1	-.125	.13320	.00320	.05900	6.5146	.00040	24.652
#2	-.12620	.13280	.00340	.05200	6.5782	.00060	24.765
#3	-.12600	.13240	-.00060	.05960	6.5890	.00040	24.777

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	3.2876	29.195	24.049	.05787	-.11560	8.3576	.12460
#1	3.2866	28.922	24.006	.06320	-.11040	8.2756	.12460
#2	3.2844	29.240	24.051	.04920	-.12000	8.3834	.12480
#3	3.2918	29.422	24.092	.06120	-.11640	8.4138	.12440

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	1.3381	.20220	.02600	.02580	28.680	.02613	.19107
#1	1.3460	.21280	.02640	.02720	28.611	.03760	.19440
#2	1.3300	.19560	.02560	.02440	28.725	.01960	.18720
#3	1.3384	.19820	.02600	.02580	28.705	.02120	.19160

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	1.8647	.01143	.00053	.03973	.10727	18.063	.00693
#1	1.8594	.01080	.00040	.04160	.10780	17.982	.00940
#2	1.8648	.01070	-.00080	.03720	.10720	18.097	.00420
#3	1.8698	.01280	.00200	.04040	.10680	18.111	.00720

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	14.375	.49947	.00287	-.00463
#1	14.341	.49920	.00320	-.00340
#2	14.357	.49840	.00260	-.00340
#3	14.426	.50080	.00280	-.00710

Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01510	.76027	4.1127	.01440	.20187	12.894	.04587
#1	-.01480	.75920	4.1040	.00920	.20880	12.855	.05200
#2	-.01500	.76200	4.1226	.02100	.20040	12.935	.04360
#3	-.01550	.75960	4.1114	.01300	.19640	12.894	.04200

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.97713	.04520	.02133	.05013	-.00120	.00813	5.0937

#1	.27840	.05360	.02720	.04840	-.00240	.01080	5.0872
#2	.27660	.04240	.02040	.04920	.00120	.00800	5.1016
#3	.27640	.03960	.01640	.05280	-.00240	.00560	5.0924

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	2.9080	-.02320	.02440	.01320	.09093	.00633	.16247
#1	2.9180	-.02760	.02480	.01360	.09840	.00660	.16320
#2	2.9046	-.01200	.02400	.01320	.08880	-.00200	.16200
#3	2.9014	-.03000	.02440	.01280	.08560	.01440	.16220

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	.00097	.00000	.01547	.03173	15.936	.01653	.00113
#1	.00170	.00060	.01240	.03200	15.906	.02280	.00160
#2	-.00080	.00000	.01160	.03160	15.971	.01600	.00100
#3	.00200	-.00060	.02240	.03160	15.931	.01080	.00080

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.09587	.24447	.59440	4.1116
#1	.09960	.24640	.59360	4.1036
#2	.09320	.24380	.59520	4.1202
#3	.09480	.24320	.59440	4.1110

Method: SED5 Sample Name: HIGH AQC FIRST Operator: MS
Run Time: 03/06/89 14:42:02
Comment:
Mode: CONC Corr. Factor: 1

Mislabeled really AQC MS

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-75.033	5.4897	5097.1	4998.4	4917.5	4895.6	4945.9
#1	-75.443	5.4908	5098.6	4979.9	4893.8	4897.3	4936.0
#2	-75.315	5.5100	5077.2	4960.9	4898.4	4882.2	4940.8
#3	-74.340	5.4683	5115.7	5054.6	4960.3	4907.3	4961.0

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.3570	4.9000	4893.5	4990.6	4894.6	4929.2	4972.1
#1	5.3257	4.9013	4849.2	4970.7	4858.7	4925.8	4954.3
#2	5.3613	4.8850	4907.3	4993.6	4899.6	4921.5	4975.1
#3	5.3840	4.9136	4924.1	5007.6	4925.3	4940.2	4986.7

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	7.8196	36.266	4994.6	4.8887	4864.9	5001.5	5.0230
#1	7.7759	32.551	5010.7	4.8749	4851.5	5000.9	5.0178
#2	7.8175	39.394	4982.6	4.8844	4855.8	4974.3	5.0159
#3	7.8654	36.852	4990.5	4.9067	4887.4	5029.3	5.0352

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4910.6	5009.7	4950.2	5058.4	4958.3	4775.8	5001.0

#1	4874.2	5062.2	4904.2	5059.9	4951.7	4771.6	5088.1
#2	4894.5	4969.8	4943.1	5044.6	4955.2	4771.4	5080.4
#3	4963.1	4997.0	5003.3	5070.6	4968.0	4784.2	5107.0

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	4938.4	5.2115	4913.6	5092.8
#1	4915.2	5.1733	4910.2	5093.1
#2	4938.3	5.2388	4937.5	5073.8
#3	4961.6	5.2224	4893.1	5111.6

Method: SED5 Sample Name: AG FIRST Operator: MS
Run Time: 03/06/89 14:45:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	50.117	.01608	Q.97469	Q2.6635	Q6.5728	Q2.9988	Q2.6346
#1	50.633	-.00322	Q.97469	Q-3.8921	Q10.593	Q3.1540	Q2.6492
#2	50.518	.02573	Q-2.9241	Q21.584	Q6.1656	Q2.9988	Q2.6373
#3	49.201	.02573	Q4.8735	Q-9.7011	Q2.9595	Q2.8437	Q2.6172

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.00284	Q-.01205	Q2.2764	Q1.6367	Q.12095	Q2.8130	Q-3.9929
#1	-.00427	Q-.01166	Q3.8267	Q2.0546	Q-3.4033	Q3.4461	Q-3.5936
#2	.00427	Q-.01219	Q1.2066	Q.59199	Q5.7594	Q2.4929	Q-4.7914
#3	.00853	Q-.01232	Q1.7960	Q2.2635	Q-1.9933	Q2.5001	Q-3.5936

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	.77950	-7.1685	Q6.2346	Q-.01200	Q2.9566	Q2.6515	.04746
#1	.73863	-11.339	Q5.2754	Q-.01178	Q2.9138	Q7.6785	.04233
#2	.77188	-4.1056	Q5.2754	Q-.01205	Q3.0505	Q3.6066	.03848
#3	.82798	-6.0606	Q8.1529	Q-.01218	Q2.9055	Q-3.3306	.06157

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q12.145	Q-16.639	Q-7.5750	Q2.9544	Q4.2528	Q2.7425	Q2.3096
#1	Q18.753	Q-4.3866	Q-12.970	Q2.8965	Q4.2528	Q2.1014	Q2.3096
#2	Q9.1086	Q-18.148	Q-2.4883	Q3.0703	Q4.2528	Q1.8001	Q2.5296
#3	Q8.5728	Q-27.384	Q-7.2664	Q2.8965	Q4.2528	Q4.3261	Q2.0897

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q-5.4300	.10636	-19.331	.89331
#1	Q-4.9114	.00273	-32.977	.00000
#2	Q-5.4740	.14999	4.5486	1.7054
#3	Q-5.9044	.16635	-29.566	.97452

Method: SED5 Sample Name: first instrument Operator: MS
Run Time: 03/06/89 14:48:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.91407	L-.00429	L-10.072	L-1.6111	L-4.8374	L.43949	L-.04459
#1	L-1.6360	L-.00322	L-6.8228	L-17.524	L-4.4376	L.74971	L.05861
#2	L.05290	L-.00322	L-13.646	15.754	L-4.4292	L.36193	L-.10103
#3	L-1.1591	L-.00643	L-9.7469	L-3.0636	L-5.6453	L.20682	L-.09136

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00616	L-.01346	L.09263	L-.31341	L-5.1654	L-.70442	L-8.2519
#1	L-.00569	L-.01337	L-.80285	L-1.0795	L-6.2225	L-1.3411	L-7.9857
#2	L-.00427	L-.01350	L-.32659	L.38305	L-2.3461	L.57312	L-7.1871
#3	L-.00853	L-.01350	L1.4073	L-.24376	L-6.9275	L-1.3453	L-9.5829

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.72755	L-6.3213	L2.3979	-.01418	L.28204	L-3.1907	L.01347
#1	L.74071	L-7.3314	L2.3979	-.01418	L.32742	L-5.0005	L.01347
#2	L.73448	L-2.8348	L2.3979	-.01418	L.25810	L-.92576	L.01732
#3	L.70747	L-8.7977	L2.3979	-.01418	L.26060	L-3.6457	L.00962

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L10.895	L-21.278	L-15.155	L.23172	L1.2211	L-.41495	L.03666
#1	L11.252	L-25.113	L-5.5548	L.28965	L.96847	L-.56514	L-.10998
#2	15.538	L-8.9533	L-7.7378	L.28965	L1.4738	L-.55329	L.10998
#3	L5.8938	L-29.769	L-32.173	L.11586	L1.2211	L-.12642	L.10998

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-8.9235	L.04636	-20.468	-7.5525
#1	L-8.5463	L.05182	-26.154	-1.9490
#2	L-9.1195	L.01909	-19.331	-10.720
#3	L-9.1049	L.06818	-15.920	-9.9888

Method: SED5 Sample Name: FS09S84 Operator: MS
Run Time: 03/06/89 15:00:35
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.26390	L-.06016	L-3.7656	4.2160	158.98	11.922	L-1.0418

#1	L-.22448	L-.07063	L-4.7565	L-2.3930	141.99	11.985	L-1.0228
#2	L-.49830	L-.05493	L-2.9728	L-8.8730	160.94	11.796	L-1.1623
#3	L-.06892	L-.05493	L-3.5674	23.914	174.02	11.985	L-.94037

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L16.756	16.768	L.58801	L-.50981	L-3.8651	L5.7719	183.81
#1	L16.628	16.826	L1.0980	L-1.0621	L.14744	L5.9597	182.19
#2	L16.741	16.696	L-.87694	L1.3595	L-6.7310	L5.3903	182.67
#3	L16.900	16.782	L1.5430	L-1.8268	L-5.0116	L5.9656	186.57

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.97971	14.430	L5.2658	10.694	L3.9455	L2.8083	20.829
#1	L.92648	9.7791	L4.6807	10.646	L3.7230	L2.8332	21.080
#2	L1.0406	21.228	L6.4360	10.684	L4.0536	L.63585	20.673
#3	L.97211	12.283	L4.6807	10.751	L4.0599	L4.9559	20.734

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L4.3578	L-20.597	L-7.2866	767.64	L3.5446	L-.13267	L-.62617
#1	L5.8831	L-22.541	L-8.3705	770.32	L3.0309	L1.2278	L-.53671
#2	L6.5368	L-22.427	L-7.2648	764.70	L3.6473	L-.67842	L-.67089
#3	L.65368	L-16.822	L-6.2247	767.88	L3.9556	L-.94737	L-.67089

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	36.482	L-.51570	-13.873	-23.283
#1	35.400	L-.61551	-11.098	-27.939
#2	36.590	L-.47577	-11.098	-20.509
#3	37.456	L-.45581	-19.422	-21.400

Method: SED5 Sample Name: FS09B84 Operator: MS
Run Time: 03/06/89 15:03:51
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01462	L-.03401	L-11.495	L-3.9736	229.28	11.670	L-1.0083
#1	L-.76062	L-.03924	L-16.648	19.360	218.00	11.417	L-1.0284
#2	L.69713	L-.03139	L-9.5130	L-13.440	229.57	11.796	L-.99890
#3	L.10736	L-.03139	L-8.3239	L-17.841	240.27	11.796	L-.99753

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L17.300	16.950	L-.37412	L-1.9118	L-5.0107	L4.0431	260.13
#1	L17.277	16.937	L-.39511	L-2.8464	L-2.4309	L3.6609	261.10
#2	L17.304	16.916	L-.22940	L-2.0817	L-5.8707	L4.2344	256.23
#3	L17.320	16.997	L-.49787	L-.80720	L-6.7306	L4.2339	263.05

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.1618	8.1095	L7.6062	10.924	L4.2697	L4.7312	20.801
#1	L1.2180	L2.2659	L8.1913	10.909	L4.3782	L2.0364	20.793
#2	L1.1356	7.6325	L6.4360	10.912	L4.0447	L4.9738	20.758
#3	L1.1318	14.430	L8.1913	10.953	L4.3862	L7.1832	20.853

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L9.3694	L4.0879	L-2.2539	775.59	L4.0583	L1.0457	L-.49199
#1	L4.5757	L-5.3098	L27.919	773.82	L3.9556	L.96719	L-.67089
#2	15.035	L11.612	L-25.322	775.09	L4.2638	L2.0322	L-.13418
#3	L8.4978	L5.9615	L-9.3592	777.85	L3.9556	L.13776	L-.67089

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	31.885	L-.30942	-22.197	-32.695
#1	31.421	L-.21626	-27.746	-38.045
#2	32.116	L-.35600	-11.098	-31.506
#3	32.117	L-.35600	-27.746	-28.534

Method: SED5 Sample Name: FS09S85 Operator: MS
Run Time: 03/06/89 15:06:33
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.48619	L-.02354	L-6.7384	L-19.991	229.16	9.4934	L-.90434
#1	L.10091	L-.01569	L-11.891	L-15.482	220.45	9.3357	L-.98483
#2	L.67918	L-.03139	L-1.1891	L-21.732	230.46	9.4303	L-.76603
#3	L.67849	L-.02354	L-7.1347	L-22.757	236.58	9.7142	L-.96215

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L14.234	13.815	L.41502	L.67974	L-6.3010	6.1710	139.48
#1	L14.222	13.773	L.14193	L-1.5719	L-7.5906	L5.3975	139.81
#2	L14.232	13.828	L-.77179	L4.0360	L-9.7406	6.5580	137.37
#3	L14.247	13.845	L1.8749	L-.42484	L-1.5718	6.5575	141.27

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.0553	7.0362	L5.2658	7.0843	L3.1426	L1.1285	18.337
#1	L1.0963	5.0088	L4.6807	7.0675	L3.1956	L-2.5807	18.303
#2	L1.0368	L2.8622	L4.6807	7.0749	L3.0306	L2.5690	18.329
#3	L1.0329	13.238	L6.4360	7.1105	L3.2015	L3.3973	18.381

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L9.1515	L-10.098	L-11.159	491.69	L3.5446	L.13446	L-.26836
#1	L9.8051	L11.618	L-17.884	490.13	L3.3391	L-.94794	L-.13418

#2	L9.8051	L-30.853	L-14.714	491.83	L3.9556	L-.68814	L-.26836
#3	L7.8441	L-11.058	L-.87946	493.10	L3.3391	L2.0395	L-.40254

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	21.407	L-.27615	.00001	-22.986
#1	20.261	L-.23622	5.5492	-23.778
#2	20.778	L-.25618	-19.422	-19.617
#3	23.184	L-.33603	13.873	-25.562

Method: SED5 Sample Name: FS09S86 Operator: MS
Run Time: 03/06/89 15:09:02
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.13555	L-.03270	L-25.368	14.710	230.21	46.521	L-.90183
#1	L.16260	L-.03139	L-26.161	21.708	223.05	46.426	L-.71147
#2	L-.13310	L-.03139	L-24.972	2.6337	231.46	46.332	L-.90667
#3	L-.43616	L-.03531	L-24.972	19.788	236.11	46.805	L-1.0874

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	37.711	H37.673	L-.04987	L.63726	L-9.0223	L-.01273	361.13
#1	37.663	H37.500	L-.41128	L1.6144	L-12.748	L.18451	361.45
#2	37.751	H37.595	L-.15384	L1.9967	L-6.7293	L-.40037	361.45
#3	37.720	H37.925	L.41550	L-1.6994	L-7.5894	L.17767	360.48

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.4162	33.392	13.457	21.812	8.1688	L-2.7298	11.241
#1	L1.4360	31.484	13.457	21.767	8.1101	L-6.5948	11.139
#2	L1.4297	36.373	13.457	21.822	8.2812	L1.3230	11.266
#3	L1.3828	32.319	13.457	21.848	8.1150	L-2.9176	11.318

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L6.5368	L-27.712	L-7.3080	1822.9	L4.5720	L-.75284	L-.31308
#1	L4.5757	L-33.352	L-9.7841	1814.1	L4.8802	L-.40310	L-.53671
#2	L5.8831	L-50.289	L7.7737	1819.5	L4.5720	L-2.0058	L-.40254
#3	L9.1515	L.50551	L-19.914	1835.1	L4.2638	L.15034	L.00000

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	48.766	L-.25618	-9.7112	-69.948
#1	48.590	L-.25618	-19.422	-64.796
#2	47.736	L-.21626	-11.098	-68.957
#3	49.972	L-.29611	1.3873	-76.090

Method: SED5 Sample Name: FS09S87 Operator: MS
Run Time: 03/06/89 15:11:24
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.79661	L-.02616	L-18.630	14.924	281.67	13.310	L-.95746
#1	L-1.9892	L-.03924	L-19.026	15.022	291.71	13.499	L-.92903
#2	L-1.3810	L-.02354	L-17.837	4.1417	276.29	13.120	L-.96668
#3	L.98040	L-.01569	L-19.026	25.609	277.01	13.310	L-.97667

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L14.140	13.756	L.17963	L-1.5294	L-7.3044	19.892	84.111
#1	L14.196	13.874	L.75275	L.46732	L-2.4321	20.563	81.838
#2	L14.124	13.716	L-.17153	L-4.2484	L-10.170	19.117	84.761
#3	L14.101	13.679	L-.04234	L-.80720	L-9.3105	19.996	85.735

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.0199	8.6660	L6.4360	8.5382	L3.3733	L.51081	22.010
#1	L.94042	13.357	L6.4360	8.5739	L3.2101	L-.57211	22.209
#2	L1.0456	7.9902	L6.4360	8.5272	L3.2003	L2.0175	21.894
#3	L1.0735	L4.6510	L6.4360	8.5135	L3.7094	L.08701	21.925

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L8.9336	L-33.973	L-16.139	611.34	L3.8528	L-.86162	L-.76034
#1	L5.8831	L-56.662	L-5.7024	616.71	L3.3391	L-2.2922	L-1.2076
#2	L12.420	L-11.339	L-17.903	609.50	L3.9556	L-.95916	L-.67089
#3	L8.4978	L-33.917	L-24.810	607.81	L4.2638	L.66649	L-.40254

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L4.3262	L-.22291	-27.746	-33.289
#1	L2.8446	L-.31607	-44.394	-32.101
#2	L4.2124	L-.21626	-27.746	-33.289
#3	L5.9216	L-.13641	-11.098	-34.478

Method: SED5 Sample Name: FS09R01 Operator: MS
Run Time: 03/06/89 15:14:07
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.1861	L-.04185	L-9.9094	L-11.987	53.592	L.00000	L-.86703
#1	L-1.4241	L-.03924	L-3.5674	L-4.5128	56.592	L.25232	L-.88185
#2	L-.18880	L-.04708	L-11.287	L-7.3909	50.533	L.06309	L-.86779

#3	L-2.3231	L-.03924	L-14.864	L-24.058	53.650	L-.31540	L-.85146

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.07345	L.08567	L-1.5149	L-.12745	L-5.7291	L1.2667	L-.97425
#1	L.07634	L.08675	L-.40846	L.97713	L-4.1524	L1.8561	L-.97425
#2	L.07287	L.08578	L-4.0893	L-.55229	L-7.1622	L.68292	L-.97425
#3	L.07113	L.08449	L-.04679	L-.80720	L-5.8726	L1.2611	L-.97425

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.76721	L-7.3144	L.29254	.00156	L-.63961	L-.56041	L.05243
#1	L.80861	L-12.164	L.29254	.00254	L-.52975	L-1.3232	L.05399
#2	L.76932	L-5.3666	L1.1702	.00156	L-.52611	L-.59087	L.06103
#3	L.72369	L-4.4125	L-.58510	.00059	L-.86298	L.23280	L.04225

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L6.1010	L-15.823	L-12.149	L-.07068	L3.6473	L-1.5025	L-.44726
#1	L2.6147	L.19599	L-6.2810	L.14135	L3.6473	L-1.4950	L-.40254
#2	L3.2684	L-39.363	L-3.6349	L-.07068	L3.9556	L-1.5069	L-.40254
#3	L12.420	L-8.3022	L-26.532	L-.28270	L3.3391	L-1.5056	L-.53671

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-3.6658	L-.28946	-19.422	-6.9353
#1	L-4.5912	L-.31607	-36.070	1.1889
#2	L-3.2046	L-.25618	-27.746	-6.5390
#3	L-3.2015	L-.29611	5.5492	-15.456

Method: SED5 Sample Name: FZ09S89 Operator: MS
Run Time: 03/06/89 15:16:45
Comment: SF5888
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.8983	L-.01308	L-52.718	L-5.0808	349.71	66.548	L-1.0114
#1	L-1.6569	L-.02354	L-48.754	12.922	351.78	66.485	L-1.0034
#2	L-.32502	L-.00785	L-60.051	L-8.7024	353.26	66.485	L-1.0161
#3	L-3.7130	L-.00785	L-49.349	L-19.462	344.10	66.675	L-1.0148

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	128.04	0.00000	L-1.9209	L.16994	L-8.4502	L4.3362	42.705
#1	127.67	0.00000	L-2.2207	L.97713	L-7.5904	L3.9440	41.893
#2	128.08	0.00000	L-.82560	L-1.9543	L-3.2909	L4.8246	42.867
#3	128.36	0.00000	L-2.7164	L1.4869	L-14.469	L4.2401	43.355

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L

Avge	L1.1707	16.616	18.723	25.477	L.74422	L-1.3449	30.733
#1	L1.1483	7.3939	18.723	25.437	L.63260	L-2.9433	30.686
#2	L1.1838	23.017	18.723	25.509	L.79986	L-1.6503	30.847
#3	L1.1800	19.439	18.723	25.483	L.80021	L.55906	30.665

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L7.1904	L-24.093	L6.6196	232.84	L5.3426	L-1.0812	L-.58144
#1	L7.1904	L-10.946	L11.932	232.84	L5.4967	L-2.5660	L-.67089
#2	L9.8051	L-50.443	L6.6247	233.37	L5.1885	L.55708	L-.40254
#3	L4.5757	L-10.889	L1.3021	232.31	L5.3426	L-1.2347	L-.67089

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	25.353	L-.14306	-38.845	-189.33
#1	24.900	L-.15637	-52.718	-191.12
#2	24.890	L-.15637	-27.746	-178.63
#3	26.269	L-.11645	-36.070	-198.25

Method: SED5 Sample Name: FZ09S90 Operator: MS
Run Time: 03/06/89 15:20:12
Comment: SF5888
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.77213	L-.00785	L-58.267	L-14.565	572.55	48.319	L-1.0057
#1	L-1.3585	L-.00785	L-65.402	L-11.634	567.18	48.319	L-1.0111
#2	L.10229	L-.00785	L-33.295	L-8.1950	573.38	48.319	L-.98755
#3	L-1.0602	L-.00785	L-76.104	L-23.867	577.08	48.319	L-1.0184

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	130.13	Q.00000	L-.52435	L-.89216	L-2.4312	L3.2634	L4.3842
#1	129.87	Q.00000	L-1.4614	L-.55229	L-3.2910	L2.4866	L2.9228
#2	130.35	Q.00000	L.23463	L-2.0817	L-1.5715	L3.6462	L4.8713
#3	130.16	Q.00000	L-.34629	L-.04248	L-2.4310	L3.6573	L5.3584

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.1546	35.062	18.723	30.621	L.77414	L-3.0960	61.052
#1	L1.1698	37.447	18.723	30.558	L.71588	L-3.1251	60.715
#2	L1.1039	34.823	18.723	30.657	L.97781	L1.0111	61.303
#3	L1.1901	32.915	18.723	30.650	L.62872	L-7.1742	61.139

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L5.8831	L-55.128	L-16.799	239.59	L5.6508	L.24278	L-.31308
#1	L.65368	L-58.870	L-22.115	238.67	L6.1131	L-.38949	L-.26836
#2	L11.113	L-39.154	L-14.688	240.37	L5.6508	L.69275	L-.26836
#3	L5.8831	L-67.341	L-13.594	239.73	L5.1885	L.42509	L-.40254

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L6.5770	L-.17301	-22.197	-196.86
#1	L6.0065	L-.07652	-19.422	-218.76
#2	L7.3837	L-.28613	-27.746	-169.12
#3	L6.3407	L-.15637	-19.422	-202.71

Method: SED5 Sample Name: FZ09B90 Operator: MS
Run Time: 03/06/89 15:22:46
Comment: SF5888
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.17154	L-.01046	L-63.420	20.001	558.84	48.508	L-1.0284
#1	L1.6017	L-.00392	L-71.347	19.627	560.58	48.508	L-1.0402
#2	L-.76385	L-.00392	L-71.347	19.639	557.97	48.508	L-1.0220
#3	L-1.3525	L-.02354	L-47.565	20.736	557.97	48.508	L-1.0229

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	129.67	0.00000	L.59750	L.25490	L-.99775	L3.0768	L14.614
#1	129.64	0.00000	L.36423	L-1.0621	L.14889	L4.2492	L14.614
#2	129.84	0.00000	L2.2407	L1.9967	L-2.4309	L3.6586	L16.562
#3	129.51	0.00000	L-.81247	L-.16994	L-.71120	L1.3227	L12.665

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.2180	35.380	20.478	30.468	L.99566	L-1.1862	60.862
#1	L1.2510	39.355	20.478	30.410	L1.0495	L-1.9192	60.594
#2	L1.2003	37.685	20.478	30.502	L1.1394	L-2.2931	60.860
#3	L1.2028	29.099	20.478	30.492	L.79810	L.65364	61.130

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L11.112	L-14.619	L-4.0059	238.99	L5.7022	L.20612	L-.44726
#1	L5.8831	L-16.493	L26.869	238.25	L6.1131	L2.0582	L-.13418
#2	18.957	L-27.801	L-35.939	238.56	L5.8049	L-.11472	L-.53671
#3	L8.4978	L.43606	L-2.9481	240.15	L5.1885	L-1.3251	L-.67089

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L3.9920	L-.16635	-23.584	-198.65
#1	L4.2671	L-.11645	-2.7746	-199.44
#2	L3.7621	L-.12643	-23.584	-202.71
#3	L3.9467	L-.25618	-44.394	-193.79

Method: SED5 Sample Name: DIGESTION 10 Operator: MS

Run Time: 03/06/89 15:25:33
Comment:
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.5359	L-.05755	L-11.297	L-4.2214	11.621	L-.22078	L-.92076
#1	L-1.1413	L-.07847	L-13.675	L-22.847	11.607	L-.12616	L-1.0562
#2	L-1.4386	L-.04708	L-8.3239	11.694	15.447	L-.03154	L-.85327
#3	L-2.0279	L-.04708	L-11.891	L-1.5119	L7.8094	L-.50463	L-.85282

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.13590	L.15880	L-.54719	L-.04248	L-.99991	L-.29514	L-11.366
#1	L.16395	L.18423	L-1.8322	L-2.0817	L-4.1527	L-1.6566	L-13.640
#2	L.13533	L.15732	L-.23773	L1.4869	L-.71331	L.09364	L-9.7426
#3	L.10843	L.13484	L.42841	L.46732	L1.8663	L.67754	L-10.717

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.73341	L-1.1131	L.00000	.01988	L-1.0344	L.29525	L.07120
#1	L.74397	L.23851	L-.58510	.02596	L-1.0354	L-1.5144	L.07981
#2	L.72876	L-.59629	L-.58510	.01978	L-.86345	L2.4432	L.07746
#3	L.72749	L-2.9814	L1.1702	.01392	L-1.2044	L-.04300	L.05634

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L8.9336	L-23.385	L-5.2447	L-.31804	L2.1062	L-.45388	L-.40254
#1	15.035	L-110.03	L9.6568	L-.38871	L1.7980	L-1.3639	L-.40254
#2	L7.1904	L19.947	L-13.760	L-.28270	L2.1062	L.40240	L-.13418
#3	L4.5757	L19.933	L-11.631	L-.28270	L2.4144	L-.40016	L-.67089

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L3.6783	L-.43585	-13.873	-8.0251
#1	L2.6536	L-.51570	-19.422	-10.997
#2	L5.0512	L-.33603	-11.098	-3.5667
#3	L3.3300	L-.45581	-11.098	-9.5113

Method: SED5 Sample Name: FS09S84 Operator: MS
Run Time: 03/06/89 15:29:02
Comment: SF5887
Mode: CONC Corr. Factor: 1.22

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.0238	L-.03401	L-15.459	4.8402	203.49	11.733	L-.99345
#1	L-2.5389	L-.02354	L-21.404	L-.77515	211.97	11.607	L-1.0066
#2	L-1.5179	L-.03924	L-17.837	5.2020	191.03	11.607	L-.98710
#3	L.98546	L-.03924	L-7.1347	10.094	207.46	11.985	L-.98665

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow

Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L17.543	17.128	L-1.0557	L-.55229	L-1.8581	L5.0112	190.79
#1	L17.495	17.020	L-1.4489	L-.55229	L-3.2910	L4.8212	185.60
#2	L17.569	17.235	L-1.7015	L-3.3562	L-5.0110	L3.6461	193.88
#3	L17.564	17.129	L-.01649	L2.2517	L2.7278	6.5663	192.90

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L1.1204	14.430	L7.6062	11.015	L4.5578	L4.2662	20.902
#1	L1.1572	14.549	L8.1913	10.968	L4.7249	L2.1218	20.858
#2	L1.1027	13.238	L6.4360	11.049	L4.2184	L4.9702	21.068
#3	L1.1014	15.503	L8.1913	11.027	L4.7301	L5.7067	20.779

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L1.3074	L-32.671	L-20.361	782.30	L3.9042	L-1.4688	L-.40254
#1	L1.9610	L.33563	L-34.892	776.90	L3.8015	L-3.9030	L-.67089
#2	L6.5368	L-67.501	L-11.499	787.60	L3.9556	L-.93942	L-.40254
#3	L-4.5757	L-30.849	L-14.692	782.41	L3.9556	L.43594	L-.13418

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	46.202	L-.22957	-16.648	-33.289
#1	45.855	L-.25618	-19.422	-39.234
#2	45.525	L-.27615	-2.7746	-34.478
#3	47.227	L-.15637	-27.746	-26.156

Method: SED5 Sample Name: FS09S84 Operator: MS
Run Time: 03/06/89 15:31:35
Comment: SF5887
Mode: CONC Corr. Factor: 1.22 should be 1.53 Spike

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	36.152	L.63953	618.34	16.038	831.77	170.91	7.1135
#1	36.055	L.63953	617.15	17.504	838.76	171.32	6.9793
#2	36.499	L.64346	626.67	5.7387	831.11	170.66	7.1727
#3	35.902	L.63561	611.21	24.872	825.44	170.76	7.1886

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	55.416	H55.267	18.179	81.102	76.538	42.798	791.42
#1	55.668	H55.473	16.375	80.762	77.541	45.524	797.92
#2	55.465	H55.235	17.689	81.272	77.971	42.314	787.20
#3	55.115	H55.091	20.474	81.272	74.101	40.556	789.15

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L2.0106	H151.81	50.610	28.204	85.258	90.823	57.323
#1	L2.0178	H159.69	51.195	28.310	85.485	94.292	57.304

#2	L2.0292	H151.22	50.318	28.213	85.143	85.546	57.325
#3	L1.9849	H144.54	50.318	28.089	85.147	92.631	57.339

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	134.00	583.83	379.81	1437.6	87.382	37.472	41.103
#1	134.00	606.37	378.39	1441.7	87.793	39.908	41.461
#2	136.62	589.51	400.75	1436.4	87.485	35.857	40.924
#3	131.39	555.61	360.29	1434.6	86.868	36.652	40.924

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	344.70	L.24953	613.19	553.93
#1	346.17	L.22292	609.03	551.36
#2	347.56	L.34269	617.35	557.60
#3	340.36	L.18299	613.19	552.84

Method: SED5 Sample Name: SECOND INSTRUMENT Operator: MS
Run Time: 03/06/89 15:34:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.75173	L.01072	L-9.9094	1.2361	L-53.898	L-.28437	L-.53291
#1	L-.66686	L.01930	L-6.8228	14.409	L-51.426	L-.33608	L-.59555
#2	L-1.8740	L.01930	L-12.184	L-2.0288	L-52.052	L-.41363	L-.43368
#3	L.28566	L-.00643	L-10.722	L-8.6717	L-58.216	L-.10341	L-.56952

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00521	L-.00211	L-.20781	L-1.1492	L-3.8732	L-.06512	L-8.7843
#1	L.01138	L-.00031	L.35017	L-.03482	L-5.8701	L1.0551	L-7.9857
#2	L.00711	L-.00295	L-.34712	L-.97504	L-2.6984	L-.85991	L-7.1871
#3	L-.00284	L-.00308	L-.62650	L-2.4376	L-3.0511	L-.39051	L-11.180

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.73517	L.13034	L2.8775	-.00929	L-.16135	L.25670	L.02181
#1	L.75941	L4.4966	L3.8366	-.00858	L-.16359	L-.01737	L.03079
#2	L.75941	L-1.2708	L3.8366	-.00938	L-.02380	L-.16831	L.03079
#3	L.68669	L-2.8348	L.95916	-.00992	L-.29665	L.95579	L.00385

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L11.788	L4.2256	L-4.9740	L.17379	L.71583	L-.33658	L-.47659
#1	15.538	L5.0102	L12.773	L.28965	L1.2211	L-.34140	L-.32995
#2	L11.788	L9.6843	L-11.217	L.28965	L.71583	L-.55288	L-.76988
#3	L8.0370	L-2.0176	L-16.478	L-.05793	L.21054	L-.11546	L-.32995

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L

Avge	L-9.1160	L.04091	-18.194	-7.6337
#1	L-8.8440	L.05182	-9.0971	-5.3598
#2	L-9.1149	L.11727	-15.920	-11.694
#3	L-9.3890	L-.04636	-29.566	-5.8471

Method: SED5 Sample Name: AG SECOND Operator: MS
Run Time: 03/06/89 15:38:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	51.880	.02573	Q14.295	Q-.85984	Q-70.180	Q-.25852	Q-.58736
#1	51.727	.03216	Q14.620	Q-8.1250	Q-67.731	Q-.25852	Q-.60224
#2	51.955	.01930	Q7.7975	Q5.6015	Q-70.136	Q-.10341	Q-.57547
#3	51.959	.02573	Q20.469	Q-.05609	Q-72.674	Q-.41363	Q-.58439

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.00237	Q-.01021	Q-.80061	Q.87057	Q-5.0479	Q-.14473	Q-8.9174
#1	.00000	Q-.01034	Q-.79605	Q-.24376	Q-4.1079	Q-.13939	Q-7.9857
#2	.00142	Q-.00994	Q-.16079	Q.48752	Q-6.9275	Q-.86712	Q-9.9821
#3	-.00853	Q-.01034	Q-1.4450	Q2.3680	Q-4.1082	Q.57232	Q-8.7843

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	.73656	1.4989	Q1.6785	Q-.01334	Q.02492	Q1.2380	.06029
#1	.77811	3.3236	Q1.6785	Q-.01338	Q-.02553	Q2.5507	.06542
#2	.70331	-2.1505	Q.95916	Q-.01311	Q-.01860	Q-.02352	.05580
#3	.72824	3.3236	Q2.3979	Q-.01351	Q.11888	Q1.1868	.05965

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q9.4658	Q1.1893	Q3.0240	Q-.14483	Q.63161	Q.17659	Q-.47659
#1	Q.00000	Q-6.4887	Q-21.241	Q-.05793	Q.71583	Q.55122	Q-.54991
#2	Q18.753	Q9.6592	Q3.5934	Q-.14483	Q.71583	Q-1.0126	Q-.32995
#3	Q9.6444	Q.39747	Q26.720	Q-.23172	Q.46318	Q.99114	Q-.54991

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q-9.3035	-.01364	10.234	16.080
#1	Q-8.8399	.00273	4.5486	13.156
#2	Q-9.9519	.00273	14.783	14.618
#3	Q-9.1186	-.04636	11.371	20.465

Method: SED5 Sample Name: AQC SECOND Operator: MS
Run Time: 03/06/89 15:43:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-74.897	5.5561	5187.8	5112.7	4916.7	4975.6	5035.6
#1	-74.820	5.5614	5164.9	5133.0	4888.9	4967.4	5023.9
#2	-74.696	5.5357	5205.3	5143.5	4957.8	4977.9	5040.2
#3	-75.175	5.5711	5193.2	5061.5	4903.3	4981.6	5042.7

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.4253	4.9738	4998.5	5062.9	4942.7	5006.1	5025.7
#1	5.4160	4.9635	5003.4	5054.2	4932.7	4996.0	5010.2
#2	5.4096	4.9765	4991.8	5066.5	4960.9	5007.2	5026.6
#3	5.4502	4.9816	5000.3	5068.2	4934.5	5015.1	5040.2

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	7.9031	41.316	5039.4	4.9219	4926.8	5077.7	5.0462
#1	7.8841	47.410	5033.0	4.9129	4916.4	5063.3	5.0487
#2	7.9017	43.500	5027.9	4.9198	4927.5	5071.0	5.0294
#3	7.9236	33.040	5057.4	4.9331	4936.4	5098.8	5.0603

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4966.3	5074.5	5064.9	5132.7	5046.4	4846.8	5170.7
#1	4959.9	5097.9	5039.5	5122.8	5031.9	4846.1	5156.0
#2	4959.9	5028.2	5111.9	5136.4	5049.3	4833.4	5174.8
#3	4979.2	5097.6	5043.4	5138.9	5058.0	4860.8	5181.4

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	5041.1	5.2279	4982.9	5182.2
#1	5018.4	5.2061	5002.3	5160.6
#2	5059.2	5.1733	4951.1	5196.1
#3	5045.6	5.3042	4995.5	5189.8

Method: SED5 Sample Name: HIGHAQC SECOND Operator: MS
Run Time: 03/06/89 15:47:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.8178	97.326	Q98940.	Q-24.182	Q-142.11	Q2.8437	Q-.13098
#1	-1.9522	97.030	Q98345.	Q-27.532	Q-141.92	Q3.7744	Q-.02471
#2	-1.3960	96.983	Q98830.	Q-15.309	Q-138.71	Q2.6886	Q.47821
#3	-2.1052	97.965	Q99644.	Q-29.703	Q-145.71	Q2.0682	Q-.84644

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	102.72	Q119.55	Q2.6814	Q5.8154	Q.80583	Q2.4507	Q93315.

#1	102.51	Q117.26	Q3.1761	Q6.6512	Q-.13525	Q3.9286	Q92869.
#2	102.77	Q122.37	Q1.5845	Q7.2780	Q4.8002	Q2.3048	Q93358.
#3	102.87	Q119.02	Q3.2838	Q3.5171	Q-2.2475	Q1.1187	Q93719.

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	101.66	891.50	Q14.148	Q102.64	Q13.782	Q6.1905	101.58
#1	101.37	890.62	Q13.908	Q102.37	Q14.275	Q7.2397	101.05
#2	101.77	887.88	Q14.627	Q102.68	Q13.958	Q4.3406	101.30
#3	101.85	895.99	Q13.908	Q102.86	Q13.112	Q6.9912	102.37

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q11.966	Q-9.4516	Q2.4695	Q5.5903	Q6.9477	Q2.7968	Q2.5296
#1	Q11.252	Q-4.3932	Q-1.1481	Q6.1986	Q7.7899	Q4.0308	Q3.1895
#2	Q16.610	Q9.5644	Q15.565	Q5.7641	Q7.0319	Q2.0777	Q2.7496
#3	Q8.0370	Q-33.526	Q-7.0081	Q4.8082	Q6.0214	Q2.2820	Q1.6497

Elem	Znlow	Znhigh	2Al308	2Al396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q93132.	100.78	97920.	98811.
#1	Q93108.	100.37	97629.	98213.
#2	Q92813.	100.77	97551.	98701.
#3	Q93475.	101.19	98581.	99520.

Method: SED5 Sample Name: THIRD INSTRUMENT Operator: MS
Run Time: 03/06/89 16:21:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.97052	L-.01930	L-4.8735	.22558	L-112.28	L-.05170	L-.57113
#1	L1.8583	L-.01930	L-.97469	31.494	L-112.09	L-.10341	L-.57621
#2	L1.0060	L-.01930	L-5.8481	L-7.3858	L-113.92	L-.10341	L-.56171
#3	L.04724	L-.01930	L-7.7975	L-23.431	L-110.84	L.05170	L-.57547

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.01375	L-.01419	L-1.1151	L.59199	L-4.9306	L-.15056	L-9.4498
#1	L-.00853	L-.01423	L-1.3707	L3.0992	L-4.8131	L.09064	L-9.5829
#2	L-.01564	L-.01416	L-1.3027	L-.66164	L-1.9940	L-.15394	L-8.3850
#3	L-.01707	L-.01416	L-.67187	L-.66164	L-7.9847	L-.38838	L-10.381

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.69119	L1.5966	L.95916	-.01498	L-.39026	L.80534	L-.00257
#1	L.70539	L3.2258	L-.47959	-.01498	L-.15858	L2.9201	L.00000
#2	L.66487	L-1.7595	L.95916	-.01498	L-.57421	L1.3308	L-.00770
#3	L.70331	L3.3236	L2.3979	-.01498	L-.43798	L-1.8348	L.00000

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L4.8222	L-25.986	L-5.8643	L-.26069	L.08422	L.02654	L-.18330
#1	L3.7506	L-22.898	L10.570	L-.23172	L.08421	L2.0949	L-.10998
#2	L2.6790	L-46.062	L-9.5083	L-.31862	L-.04210	L-2.1068	L-.32995
#3	L8.0370	L-8.9969	L-18.654	L-.23172	L.21054	L.09148	L-.10998

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-9.8134	L-.09818	-17.057	-4.7102
#1	L-9.8168	L-.06272	-9.0971	-1.4618
#2	L-9.6689	L-.10363	-26.154	-8.2834
#3	L-9.9546	L-.12817	-15.920	-4.3853

Method: SED5 Sample Name: AQC THIRD Operator: MS
Run Time: 03/06/89 16:24:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-70.829	5.4222	5112.6	5010.8	4832.8	4918.6	4960.1
#1	-70.635	5.4201	5121.0	4996.8	4838.2	4925.3	4962.8
#2	-69.414	5.4329	5107.9	5015.5	4805.8	4911.8	4951.7
#3	-72.436	5.4136	5108.8	5020.0	4854.4	4918.5	4965.8

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.2916	4.9078	4901.9	4983.8	4826.6	4944.1	4933.1
#1	5.2788	4.9123	4910.6	4984.5	4834.1	4948.1	4932.0
#2	5.3023	4.9009	4886.2	4978.9	4801.3	4942.1	4919.2
#3	5.2937	4.9104	4908.9	4987.9	4844.3	4942.1	4948.0

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	7.7042	44.053	4992.7	4.8137	4827.6	4969.8	4.9628
#1	7.6595	46.334	4993.4	4.8141	4826.6	4974.6	4.9590
#2	7.7364	42.717	4996.3	4.8059	4815.9	4961.9	4.9407
#3	7.7167	43.109	4988.4	4.8210	4840.2	4972.9	4.9889

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4890.3	4887.1	5010.2	5068.0	4947.6	Q4736.6	5089.1
#1	4856.0	4806.8	5035.5	5073.2	4949.5	Q4737.0	5094.7
#2	4919.2	4895.0	5060.4	5060.4	4948.1	Q4737.6	5082.9
#3	4895.6	4959.7	4934.7	5070.5	4945.1	Q4735.1	5089.5

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	4986.0	5.0124	4887.4	5109.1
#1	4980.9	5.0015	4889.7	5119.9

#2	4994.8	4.9279	4896.5	5103.3
#3	4982.3	5.1079	4876.1	5104.0

Method: SED5 Sample Name: AG THIRD Operator: MS
Run Time: 03/06/89 16:27:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	50.581	.02037	Q22.418	Q6.2697	Q-93.266	Q1.8096	Q1.7008
#1	50.745	.01930	Q15.595	Q1.1943	Q-89.843	Q1.9131	Q1.7760
#2	50.744	.02251	Q23.393	Q-2.4321	Q-93.592	Q1.6804	Q1.6973
#3	50.255	.01930	Q28.266	Q20.047	Q-96.363	Q1.8355	Q1.6290

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.01138	Q-.01148	Q2.5089	Q.80093	Q-3.4036	Q1.7623	Q-8.3850
#1	-.00853	Q-.01126	Q2.6617	Q.38305	Q-.58426	Q1.5250	Q-9.1836
#2	-.00711	Q-.01153	Q2.5663	Q.59199	Q-2.6987	Q2.4817	Q-7.1871
#3	-.01849	Q-.01166	Q2.2988	Q1.4277	Q-6.9278	Q1.2803	Q-8.7843

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	.67491	-.42359	Q3.1173	Q-.01289	Q1.8014	Q1.1054	.04105
#1	.69084	-1.1730	Q3.8366	Q-.01258	Q1.7999	Q4.2015	.04041
#2	.68461	-3.1281	Q1.6785	Q-.01298	Q1.9403	Q-.32745	.03848
#3	.64929	3.0303	Q3.8366	Q-.01311	Q1.6639	Q-.55774	.04425

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q5.5366	Q-1.9861	Q-9.0654	Q2.0855	Q2.2317	Q1.5069	Q2.0530
#1	Q4.8222	Q4.9686	Q-22.145	Q2.3751	Q2.4843	Q.33553	Q2.5296
#2	Q6.9654	Q-4.3064	Q-8.6257	Q2.0276	Q2.1054	Q2.7648	Q2.0897
#3	Q4.8222	Q-6.6204	Q3.5743	Q1.8538	Q2.1054	Q1.4204	Q1.5398

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q-6.4890	-.11181	14.783	25.175
#1	Q-5.7388	-.11181	25.017	21.439
#2	Q-6.8699	-.12817	14.783	26.312
#3	Q-6.8582	-.09545	4.5486	27.774

Method: SED5 Sample Name: HIGH AQC THIRD Operator: MS
Run Time: 03/06/89 16:30:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.54891	97.233	Q99500.	Q-19.884	Q-177.91	Q1.0858	Q-3.5505

#1	-.15905	97.110	Q99429.	Q-5.7871	Q-181.60	Q.98238	Q-2.9895
#2	-.01793	97.043	Q99551.	Q7.6682	Q-173.88	Q1.1375	Q-4.0770
#3	-1.4698	97.547	Q99520.	Q-61.534	Q-178.24	Q1.1375	Q-3.5850

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	101.80	Q.00000	Q2.1119	Q2.4028	Q-2.2508	Q.70491	Q92813.
#1	101.28	Q.00000	Q3.0707	Q3.0992	Q-.13864	Q.71890	Q92489.
#2	102.00	Q.00000	Q.72571	Q2.5769	Q-2.2496	Q1.5369	Q92803.
#3	102.13	Q.00000	Q2.5392	Q1.5322	Q-4.3641	Q-.14104	Q93147.

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	101.12	905.41	Q11.030	Q102.00	Q11.595	Q5.0237	102.52
#1	100.61	899.41	Q11.030	Q101.55	Q11.410	Q-4.2400	102.51
#2	101.38	914.17	Q12.469	Q102.15	Q11.897	Q11.166	102.51
#3	101.37	902.64	Q9.5916	Q102.30	Q11.479	Q8.1451	102.54

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q8.3942	Q-8.4122	Q4.5959	Q3.4758	Q4.2528	Q1.8680	Q.62323
#1	Q5.8938	Q-9.0393	Q5.5686	Q3.5917	Q4.2528	Q1.6589	Q.98984
#2	Q11.252	Q-18.182	Q-.26917	Q3.4179	Q4.2528	Q1.8103	Q.32995
#3	Q8.0370	Q1.9846	Q8.4881	Q3.4179	Q4.2528	Q2.1348	Q.54991

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	Q93457.	100.62	97820.	99372.
#1	Q93009.	100.19	97704.	99311.
#2	Q93602.	100.92	97622.	99426.
#3	Q93761.	100.76	98134.	99380.

Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00833	.10933	.01347	-.01200	.11313	.00043	.01927
#1	-.00840	.11020	.01360	-.00560	.11200	.00050	.01960
#2	-.00780	.10920	.01480	-.02280	.11380	.00060	.01920
#3	-.00880	.10860	.01200	-.00760	.11360	.00020	.01900

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	.27760	.26867	.00413	.01167	-.00347	.00587	.08920
#1	.28360	.31320	.00380	.01200	-.00460	.00600	.09120
#2	.27440	.25160	.00160	.01120	-.00500	.00560	.08880
#3	.27480	.24120	.00700	.01180	-.00080	.00600	.08760

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	.86560	-.00013	.02400	.04327	.06800	.00253	.36980
#1	.87280	.00340	.02400	.05120	.06840	-.00040	.40880

#2	.86800	-.00300	.02400	.04040	.06800	.00040	.35700
#3	.85600	-.00080	.02400	.03820	.06760	.00760	.34360

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	-.00050	.00173	.00067	.02967	.10453	.00153	-.00080
#1	.00060	.00300	.00160	.03000	.10520	.00260	-.00040
#2	-.00070	.00080	.01000	.02960	.10480	.00120	-.00080
#3	-.00140	.00140	-.00960	.02940	.10360	.00080	-.00120

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	.11133	.24440	.00800	.01253
#1	.11920	.24760	.00820	.01340
#2	.10880	.24560	.00840	.01240
#3	.10600	.24000	.00740	.01180

Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.12127	.13153	.00213	.05767	6.4331	.00020	24.582
#1	-.12160	.13180	.00200	.06300	6.4068	.00020	24.541
#2	-.12060	.13160	.00520	.05320	6.4552	.00020	24.634
#3	-.12160	.13120	-.00080	.05680	6.4372	.00020	24.571

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Avge	3.2307	28.961	23.999	.04360	-.11733	8.2846	.12293
#1	3.2338	28.950	24.032	.04520	-.11320	8.2772	.12400
#2	3.2336	29.010	23.991	.04460	-.12160	8.2946	.12280
#3	3.2246	28.925	23.974	.04100	-.11720	8.2820	.12200

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Avge	1.2973	.18333	.02447	.02187	28.126	.00893	.17807
#1	1.3020	.17760	.02460	.02240	28.081	.00120	.17820
#2	1.2972	.18840	.02440	.02160	28.163	.01000	.17720
#3	1.2928	.18400	.02440	.02160	28.134	.01560	.17880

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Avge	1.8450	.01060	.00753	.03020	.10640	17.706	-.00080
#1	1.8498	.00970	.00080	.03020	.10680	17.701	-.00120
#2	1.8447	.01110	.01040	.03000	.10640	17.708	-.00040
#3	1.8404	.01100	.01140	.03040	.10600	17.709	-.00080

Elem	Znlow	Znhigh	2A1308	2A1396
Avge	14.433	.49600	.00320	-.00497
#1	14.429	.49480	.00320	-.00480
#2	14.482	.49800	.00320	-.00340
#3	14.387	.49520	.00320	-.00670

Element:	Ag	Al	Al	As	B
Wavelength:	328.000	308.200	396.100	193.600	249.600
Use IECs:	YES	NO	YES	YES	YES
Number of IECs:	2	0	1	2	1
Affecting Element:	Fehigh	--n/a--	Cahigh	Alhigh	Fehigh
k1 factor:	-.1816	--n/a--	0	6.0667	1.3414
k2 factor:	0	--n/a--	0	0	0
use?:	YES	--n/a--	NO	YES	YES
Affecting Element:	V	--n/a--	--n/a--	Fehigh	--n/a--
k1 factor:	0	--n/a--	--n/a--	.22971	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	NO	--n/a--	--n/a--	YES	--n/a--

Element:	Ba	Be	Ca	Ca	Cd
Wavelength:	493.400	234.800	315.800	393.300	228.800
Use IECs:	NO	YES	YES	NO	YES
Number of IECs:	0	1	0	0	3
Affecting Element:	--n/a--	Fehigh	--n/a--	--n/a--	As
k1 factor:	--n/a--	.35793	--n/a--	--n/a--	.008181
k2 factor:	--n/a--	0	--n/a--	--n/a--	0
use?:	--n/a--	YES	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Fehigh
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	-.01393
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Ni
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	NO

Element:	Co	Cr	Cu	Fe	Fe
Wavelength:	228.600	205.500	324.700	259.900	271.400
Use IECs:	YES	YES	YES	YES	NO
Number of IECs:	1	1	1	0	0
Affecting Element:	Ni	Fehigh	Fehigh	--n/a--	--n/a--
k1 factor:	0	-.00446	-.12849	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--

use?:	NO	YES	YES	--n/a--	--n/a--

Element:	K	Li	Mg	Mn	Mo
Wavelength:	766.400	670.700	297.500	257.600	202.000
Use IECs:	YES	YES	NO	YES	YES
Number of IECs:	0	0	0	1	1
Affecting Element:	--n/a--	--n/a--	--n/a--	Fehigh	Fehigh
k1 factor:	--n/a--	--n/a--	--n/a--	.0927	-.10964
k2 factor:	--n/a--	--n/a--	--n/a--	0	0
use?:	--n/a--	--n/a--	--n/a--	YES	YES

Element:	Na	Ni	Pb	Sn	Sr
Wavelength:	589.000	231.600	220.300	189.900	421.500
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	0	0	3	2	0
Affecting Element:	--n/a--	--n/a--	Alhigh	Alhigh	--n/a--
k1 factor:	--n/a--	--n/a--	-3.2073	-.07999	--n/a--
k2 factor:	--n/a--	--n/a--	0	0	--n/a--
use?:	--n/a--	--n/a--	YES	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	Cu	Fehigh	--n/a--
k1 factor:	--n/a--	--n/a--	.022831	-.35243	--n/a--
k2 factor:	--n/a--	--n/a--	0	0	--n/a--
use?:	--n/a--	--n/a--	YES	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	Fehigh	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	-.45042	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	Ti	V	Y	Zn	Zn
Wavelength:	334.900	292.400	371.000	213.800	481.000
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	0	2	0	3	0
Affecting Element:	--n/a--	Cr	--n/a--	Cu	--n/a--
k1 factor:	--n/a--	-.00315	--n/a--	.005623	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	YES	--n/a--	YES	--n/a--

Affecting Element:	--n/a--	Fehigh	--n/a--	Fehigh	--n/a--
k1 factor:	--n/a--	-.06089	--n/a--	.1407	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	YES	--n/a--	YES	--n/a--

Affecting Element:	--n/a--	--n/a--	--n/a--	Ni	--n/a--
k1 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
k2 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	--n/a--	NO	--n/a--

Element:	2Al	2Al
Wavelength:	308.200	396.100
Use IECs:	YES	YES
Number of IECs:	0	0

Method: SED5 Sample Name: FOURTH INSTRUMENT Operator: MS
Run Time: 03/06/89 16:42:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.26818	L.01286	L-4.8735	L-.93278	L-102.01	L-.10341	L.03307
#1	L.66553	L.00322	L3.8988	L-10.356	L-95.917	L-.10341	L.04299
#2	L-.66912	L.01286	L-6.8228	12.446	L-97.120	L-.25852	L.05638
#3	L.80813	L.02251	L-11.696	L-4.8882	L-112.99	L.05170	L-.00015

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Felow
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.03626	L.01694	L.40710	L.24376	L-2.3458	L2.3385	L-5.8562
#1	L.04337	L.03295	L-.11229	L2.0546	L-.58385	L4.4095	L-4.7914
#2	L.04124	L.03348	L-.38253	L1.2188	L-.58401	L3.9259	L-6.3886
#3	L.02418	L-.01562	L1.7161	L-2.5421	L-5.8694	L-1.3200	L-6.3886

Elem	Fehigh	K	Li	Mg	Mn	Mo	Na
Units	mg/L	mg/L	ug/L	mg/L	ug/L	ug/L	mg/L
Avge	L.81205	L3.8775	L2.8775	-.00956	L.62369	L.44123	L.56228
#1	L.78434	6.0606	L2.3979	-.00805	L.67286	L3.0042	L.81601
#2	L.74694	L4.9853	L.95916	-.00805	L.53653	L-.32062	L.81120
#3	L.90486	L.58651	L5.2754	-.01258	L.66169	L-1.3599	L.05965

Elem	Ni	Pb	Sn	Sr	Ti	V	Y
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L5.8938	L-4.2767	L-21.667	L.31862	L1.5580	L1.0587	L-.18330
#1	L4.8222	L-22.889	L-34.762	L.28965	L1.2211	L3.6984	L-.10998
#2	L8.0370	L18.809	L-10.349	L.11586	L.71583	L-.14463	L-.32995
#3	L4.8222	L-8.7508	L-19.888	L.55034	L2.7370	L-.37761	L-.10998

Elem	Znlow	Znhigh	2A1308	2A1396
Units	ug/L	mg/L	ug/L	ug/L
Avge	L-3.7889	L.14454	-15.920	-3.0860
#1	L-2.1067	L.01909	-19.331	5.3598
#2	L-1.5354	L.01909	-15.920	-5.8471
#3	L-7.7245	L.39543	-12.509	-8.7706

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: MAR 0 2 1989

SUBJECT: Review of Region 5 data for Export Packaging

FROM: Curtis Ross, Director Chi Tang for
Region 5 Central Regional Laboratory

To: Data User: FIT

Attached are the results for:

CRL Data Set Numbers: SF 5883
Sample Numbers: 89 FS09575-576 R08
Parameter(s): CN
Laboratory: CRL

Results Status:

(✓) DATA ACCEPTABLE FOR USE*
( ) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to David Payne, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

TRANSMITTED BY
S. Griffin
MAR 0 2 1989

U.S. EPA CENTRAL
REGIONAL LAB

RECEIVED BY/DATE: Mary Gryzw 3/3/89

Comments:

Griffin 3/3/89

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: MAR 22 1989

SUBJECT: Review of Region 5 data for Export Packaging

FROM: Curtis Ross, Director Chi Tang for
Region 5 Central Regional Laboratory

To: Data User: FIT

Attached are the results for:

CRL Data Set Numbers: SF 5883
Sample Numbers: 89F509 575-77, 875, R08
Parameter(s): ICP
Laboratory: CRL

Results Status:

(X) DATA ACCEPTABLE FOR USE*
( ) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to David Payne, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

TRANSMITTED BY
Sylvia Griffin
MAR 22 1989

RECEIVED BY/DATE: Mary Gzyr 3/23/89

U.S. EPA CENTRAL REGIONAL LAB

Comments:

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: MAR 16 1989

SUBJECT: Review of Region 5 data for EXPORT PACKAGING

FROM: Curtis Ross, Director CR
Region 5 Central Regional Laboratory

To: Data User: FIT

Attached are the results for:

CRL Data Set Numbers: SF 5383
Sample Numbers: 89F509S75-77, D75 & R08
Parameter(s): ORGANICS - ABNs
Laboratory: 5SCRL - ESD - USEPA

Results Status:

(X) DATA ACCEPTABLE FOR USE*
( ) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to ~~Steve Parker~~ David A. Payne, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

TRANSMITTED BY
S. Griffin
MAR 16 1989

RECEIVED BY/DATE: Mary Gzyra 3/20/89

U.S. EPA CENTRAL
REGIONAL LAB

Comments:

cc: Contractor's Reprentative

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

0000002

DATE: MAR 17 1989

SUBJECT: Review of Region 5 data for EXPORT PACKAGING

FROM: Curtis Ross, Director CR
Region 5 Central Regional Laboratory

To: Data User: FIT

Attached are the results for:

CRL Data Set Numbers: SF 5883
Sample Numbers: 89F509575 - 89F509588(5)
Parameter(s): VOA - WATER
Laboratory: CRL (WESTON/ESAT)

Results Status:

(✓) DATA ACCEPTABLE FOR USE*
( ) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to Steve Parker, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

TRANSMITTED BY
Griffin
MAR 17 1989

U.S. EPA CENTRAL REGIONAL LAB

RECEIVED BY/DATE: Mary Grazia 3/20/89
Comments:

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: MAR 15 1989

SUBJECT: Review of Region 5 data for Export Packaging

FROM: Curtis Ross, Director
Region 5 Central Regional Laboratory

To: Data User: FIT

Attached are the results for:

CRL Data Set Numbers: SF 5553
Sample Numbers: 89FS09875-77; B75 + R08
Parameter(s): PCB/Pesticides
Laboratory: CRL Organic Lab

Results Status:

(X) DATA ACCEPTABLE FOR USE*
( ) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to David Payne, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

TRANSMITTED BY
S. Griffin
MAR 15 1989

RECEIVED BY/DATE: Mary Gizzen 3/20/89

U.S. EPA CENTRAL REGIONAL LAB

Comments:

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: MAR 10 1989

SUBJECT: Review of Region 5 data for Export Packaging

FROM: Curtis Ross, Director Eli Tang for
Region 5 Central Regional Laboratory

To: Data User: FIT

Attached are the results for:

CRL Data Set Numbers: SF 5883
Sample Numbers: 89FS09S15, S16, S17, D75 & R08
Parameter(s): As, Pb, Sb, Se, Tl & Cd
Laboratory: CRL

Results Status:

(✓) DATA ACCEPTABLE FOR USE*
( ) DATA QUALIFIED AS TO USE
( ) DATA UNACCEPTABLE FOR USE

* For data acceptability requirements, refer to the method capability statement for the methods referenced.

Comments by the Quality Control Coordinator:

If there are any questions regarding the data, refer them to David Payne, the Quality Control Coordinator, at 353-3805.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
(5SCRL)

SUBMITTED BY
Griffin
MAR 10 1989

U.S. EPA CENTRAL
REGIONAL LAB

RECEIVED BY/DATE: Mary Bryan 3/14/89
Comments: