ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

Cooler #91

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: FMN022558A

PROJECT NAME: Aligned Fiber Composites

SAMPLERS: (Signature) Ted Nehkorn

Superfund 7253

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Metals (HNO3) 1 l Plastic	CN- (NaOH) 1 l Plastic	Hg (K2Cr2O7 + HNO3) 500 mL plastic				REMARKS: Tag Numbers	REMARKS: Low Conc. Matrix
90FM18598	6-26-90	1525		X	RW1	3	1	1	1				5-167562,63,69	drk water
90FM18098	6-26-90	1525		X	DUP	3	1	1	1				5-167571,72,73	drk water
90FM18599	6-26-90	1600		X	RW2	3	1	1	1				5-167580,81,82	drk water
90FM02R84	6-26-90	1430		X	BLK	3	1	1	1				5-167589,90,91	drk water
													Lot #'s: 1 l Plastic 0117023	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Ted Nehkorn	6-26-90 1800	William Sayre 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) William Sayre Jr.	Date / Time 6/27/90 1:25pm	Remarks: Shipped Fed Ex to CRL Airbill # 7068169006 Custody Seals 128688, 128689	

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

5- 07832

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS - NUTRIENTS

TFA 302

DIVISION/BRANCH FIT SUPERFUND SAMPLE DATE 6-26-90 LAB ARRIVAL DATE 6-27-90 DUE DATE 7-~~02~~ 18-90

DU NUMBER TFA-102 DATA SET NUMBER 7253 STUDY Aligned Fiber Comp. PRIORITY — CONTRACTOR —

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 76020	WATER CR^{+6} UG CR^{+6}/L MIN 74816	WATER MERCURY UG HG/L MIN 74717
90FM18S98	RW1 5-167563		X			
99	RW2 5-167581		X			
D98	DUP 5-167572		X			
90FM02R84	BLANK 5-167590		X			
90FM18S98	RW1 5-167564					X
90FM18D98	DUPLICATE 5-167573					X
90FM18S99	RW2 5-167582					X
90FM02R84	BLANK 5-167591					X
		Shipment (is) / is not Complete				

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

TFA302

DIVISION/BRANCH FIT SUPERFUND SAMPLE DATE 6-26-90 LAB ARRIVAL DATE 6-27-90 DUE DATE 7-18-90

DU NUMBER TFA-[redacted] DATA SET NUMBER 7253 STUDY Aligned Fiber Comp PRIORITY — CONTRACTOR —

CRL LOG NUMBER	SAMPLE DESCRIPTION	TOTAL METALS WATER Cd UG/L	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
90FM18598	RW1 5-167-562	X	X	X	X	X	X	X
99	RW2 5-167-580	X	X	X	X	X	X	X
↓ D98	DUP 5-167-571	X	X	X	X	X	X	X
90FM02R84	BLANK 5-167-587	X	X	X	X	X	X	X

Shipment (is) is not Complete

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: JUL 16 1990

SUBJECT: Review of Region 5 data for Aligned Fiber

FROM: Curtis Ross, Director
Region 5 Central Regional Laboratory

To: Data User:

Attached are the results for:

CRL Data Set Numbers: SF 7253
Sample Numbers: 90FM18598-99 1884
Parameter(s): CN, Hg
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)

RECEIVED BY/DATE:

Comments:

DATA SET	SITE	OU/ACT.
SF 7253	Aligned Fiber Comp	TFA

SAMPLES	PARAMETER(S)
90FM18 S98 - S99/R84	CN, HS

SAMPLED	RECEIVED	DUE	LAB
6/26/90	6/27/90	7/18/90	CRL

SHIPPED	DATA RECEIVED	CONTRACT
—	N/A	—

Comments By Reviewer:

( ) REVIEWED ( ) UNREVIEWED BB 7/12/90 TEAM LEADER/DATE

( ) REVIEWED ( ) UNREVIEWED BB 7/12/90 SECTION CHIEF/DATE

( ) REVIEWED ( ) UNREVIEWED QC COORDINATOR/DATE

REVIEWED BY CONTRACT COORDINATOR/DATE

RECEIVED	TRANSMITTED	DATA MANAGEMENT COORDINATOR
7/13/90	7/16/90	Huffman

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS - NUTRIENTS

TFA 302

DIVISION/BRANCH FIT SUPERFUND SAMPLE DATE 6-26-90 LAB ARRIVAL DATE 6-27-90 DUE DATE 7-~~02~~ 18-90

DU NUMBER TFA-102 DATA SET NUMBER 7253 STUDY Aligned Fiber Comp. PRIORITY — CONTRACTOR —

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 78020	WATER CR^{+6} UG CR^{+6}/L MIN 74616	WATER MERCURY UG HG/L MIN 74717
90FM18S98	RW1 5-167563		X 8 M			
99	RW2 5-167581		X 8 M			
D98	DUP 5-167572		X 8 M			
90FM02R84	BLANK 5-167590		X 8 M			
90FM18S98	RW1 5-167564		6/30/90 S.N			X 0.1 u
90FM18D98	DUPLICATE 5-167573					X 0.1 u
90FM18S99	RW2 5-167582					X 0.1 u
90FM02R84	BLANK 5-167591					X 0.1 u
						7/10/90
						H. Pham
		Shipment (is) / is not Complete				

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS - NUTRIENTS TFA 302

DIVISION/BRANCH FIT SUPERFUND SAMPLE DATE 6-26-90 LAB ARRIVAL DATE 6-27-90 DUE DATE 7-~~22~~ 18-90

DU NUMBER TFA-102 DATA SET NUMBER 7253 STUDY Aligned Fiber Comp. PRIORITY — CONTRACTOR —

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 78020	WATER CR^{+6} UG CR^{+6}/L MIN 74816	WATER MERCURY UG HG/L MIN 74717
90FM18S98	RW1 5-167563		X 8 u			
99	RW2 5-167581		X 8 u			
D98	DUP 5-167572		X 8 u			
90FM02R84	BLANK 5-167590		X 8 u			
90FM18S98	RW1 5-167564		6/30/90 S.N			X 0.1 u
90FM18D98	DUPLICATE 5-167573					X 0.1 u
90FM18S99	RW2 5-167582					X 0.1 u
90FM02R84	BLANK 5-167591					X 0.1 u
						7/10/90
						H. Pham
		Shipment (is)/is not Complete				

* REGRESSION ANALYSIS * CSC VERSION 2.00 *

SF7252

NAME OF ANALYST ---: HF
PARAMETER NAME ----: HG
DATE OF ANALYSIS --: 07-11-1990

DATA SET NUMBER ---: SF7253-7256
DU NUMBER ---------: Y905

DEGREE OF FIT : 1

EQUATION : CONCENTRATION = -7.95293E-03
+4.44032E-02 * SIGNAL

COEFFICIENT OF DETERMINATION : .9990704

T-A-B-L-E O-F S-T-A-N-D-A-R-D-S

STANDARD	SIGNAL	CONCENTRATION	CALCULATED
1	+0.000	+0.000	-0.008
2	+12.000	+0.500	+0.524
3	+22.000	+1.000	+0.968
4	+34.500	+1.500	+1.523
5	+45.000	+2.000	+1.990

T-A-B-L-E O-F S-A-M-P-L-E-S

SAMPLE I.D.		SIGNAL	CONCENTRATION	
BLK		+0.000	-0.008	limit ≤0.1
CS INORG.TV=1.5		+36.000	+1.590	limit 1.5 ± 0.2
CS ORG. TV=1.50		+30.000	+1.324	
BLK		+0.000	-0.008	
90FM18R84	SF7253	+0.000	-0.008	
S98		+0.000	-0.008	
S99		+0.000	-0.008	
D98		+0.000	-0.008	
90FF18R83	SF7254	+0.000	-0.008	
S94		+0.000	-0.008	
S95		+0.000	-0.008	
S96		+0.000	-0.008	
S97		+0.000	-0.008	
D95		+0.000	-0.008	
BLK		+0.000	-0.008	
90FS02R85	SF7256	+0.000	-0.008	
S01		+0.000	-0.008	
S02		+0.000	-0.008	
D01		+0.000	-0.008	
S98 DUP.		+0.000	-0.008	RPD = 0%. limit ≤10%
S98 SPK.		+21.000	+0.924	91% rec. limit 100±10%.
FD17S97	SF7252	+14.000	+0.613	
BLK		+0.000	-0.008	limit ≤ 0.1
CS INORG.TV=1.5		+35.000	+1.546	limit 1.5 ± 0.2.
CS ORG. TV=1.50		+31.000	+1.368	

* REGRESSION ANALYSIS * CSC VERSION 2.00 *

NAME OF ANALYST ---: SN
PARAMETER NAME -----: CN
DATE OF ANALYSIS --: 07-06-1990

DATA SET NUMBER ---: SF7253-7256
DU NUMBER ----------: Y-905

DEGREE OF FIT : 1

EQUATION : CONCENTRATION = -4.68435E+00
+5.71394E-01 * SIGNAL

COEFFICIENT OF DETERMINATION : .9997646

T-A-B-L-E O-F S-T-A-N-D-A-R-D-S

STANDARD	SIGNAL	CONCENTRATION	CALCULATED
1	+7.500	+0.000	-0.399
2	+17.000	+5.000	+5.029
3	+26.500	+10.000	+10.457
4	+52.000	+25.000	+25.028
5	+95.500	+50.000	+49.883

T-A-B-L-E O-F S-A-M-P-L-E-S

SAMPLE I.D.		SIGNAL	CONCENTRATION	
BLK		+8.000	-0.114	limit ± 8
CS TV=5		+17.000	+5.029	
CS TV=20		+45.000	+21.028	limit 20 ± 5
90FM02R84	7253	+7.500	-0.399	
FM18S98		+7.500	-0.399	
D98		+7.500	-0.399	
S99		+8.000	-0.114	
90FF02R83	7254	+7.500	-0.399	
90FF18 S94		+7.500	-0.399	
S95		+7.500	-0.399	
D95		+7.500	-0.399	
S96		+7.700	-0.285	
S97		+7.500	-0.399	
90FS02R85	7256	+7.500	-0.399	
S01		+7.500	-0.399	
D01		+7.500	-0.399	
S02		+7.500	-0.399	
S01 DUP.		+7.500	-0.399	RPD = 0% limit ≤ 10%
S02 SPK.		+45.500	+21.314	21.3 - (-0.4) = 21.4 rec. limit 20 ± 5
BLK		+8.000	-0.114	
CS TV=5		+17.900	+5.543	
CS TV=20		+44.000	+20.456	limit 20 ± 5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 23 July 90

SUBJECT: DATA SET (S) MISSING DUE DATES

FROM: ELLY _____ THOMAS _____ ~~TANG~~ Parikh ✓

TO: Curtis Ross, Director
CENTRAL REGIONAL LABORATORY

DATA SET NO: SF 7253

DATA SET NAME: Aligned Fiber

LABORATORY SECTION: INORGANIC ✓ ORGANIC _____

TEAM: M/N _____ METALS ✓ TOXICS _____

GENERAL ORGANIC _____ BIOLOGY _____

DUE DATE: 18 July 90

PROJECTED DUE DATE: 27 July 90

REASONS FOR DELAY:

Reanalysis was required, and both analysts for ICP had travel scheduled.

ASSUMPTIONS: QC for reprepared samples is valid.

cc: QC COORDINATOR
AFFECTED TEAM LEADER
DATA COORDINATOR

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: JUL 16 1990

SUBJECT: Review of Region 5 data for Aligned Fiber

FROM: Curtis Ross, Director
Region 5 Central Regional Laboratory

To: Data User:

Attached are the results for:

CRL Data Set Numbers: SF 7253
Sample Numbers: 90FM18598-99 1884
Parameter(s): CN, Hg
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)

RECEIVED BY/DATE: 7/18/90

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 23 July 90

SUBJECT: DATA SET (S) MISSING DUE DATES

FROM: ELLY _____ THOMAS _____ ~~TANG~~ Parikh ✓

TO: Curtis Ross, Director
CENTRAL REGIONAL LABORATORY

DATA SET NO: SF 7253

DATA SET NAME: Aligned Fiber

LABORATORY SECTION: INORGANIC ✓ ORGANIC _____

TEAM: M/N _____ METALS ✓ TOXICS _____

GENERAL ORGANIC _____ BIOLOGY _____

DUE DATE: 18 July 90

PROJECTED DUE DATE: 27 July 90

REASONS FOR DELAY:

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ASSUMPTIONS: QC for reprepared samples is valid.

cc: QC COORDINATOR
AFFECTED TEAM LEADER
DATA COORDINATOR

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: SEP 19 1990

SUBJECT: **Review of Region 5 data for** Alrgned Fiber Corp.

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

To: **Data User:**

Attached are the results for:

CRL Data Set Numbers: SF 7253
Sample Numbers: 90FM18 S98, S99, D98, 90FM02R84
Parameter(s): As, Cd, Pb, Sb, Se, Tl
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 James Adams
the Quality Control Coordinator, at 353-9604

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)

SEP 18 1990

U.S. EPA CENTRAL
REGIONAL LAB

RECEIVED BY/DATE:
Comments:

DATA SET	SITE	DU/ACT.
ASF 7253	Aligned Fiber Corp.	TFA302

OTFA05WU22

SAMPLES	PARAMETER(S)
90FM18S98, S99, D98, 90FM02R84	As, Cd, Pb, Sb, Se, Tl

SAMPLED	RECEIVED	DUE	LAB
26 June 90	27 June 90	18 July 90	CRL

SHIPPED	DATA RECEIVED	CONTRACT
NA		

Comments By Reviewer:

) REVIEWED ( ) UNREVIEWED TEAM LEADER/DATE John Upmore 11 Sept 90

) REVIEWED (✓) UNREVIEWED SECTION CHIEF/DATE BB 9/18/90

(REVIEWED ( ) UNREVIEWED QC COORDINATOR/DATE James N. Adams, Jr. 9/19/90

/IEWED BY CONTRACT COORDINATOR/DATE

:EIVED 9-19-90 TRANSMITTED 9-19-90 DATA MANAGEMENT COORDINATOR Buffin

QUALITY CONTROL COORDINATOR

jvm
11 Sep 90

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

TFA302

DIVISION/BRANCH FIT SUPERFUND SAMPLE DATE 6-26-90 LAB ARRIVAL DATE 6-27-90 DUE DATE ~~7-11~~ 18-90

DU NUMBER TFA-~~[illegible]~~ DATA SET NUMBER 7253 STUDY Aligned Fiber Comp PRIORITY — CONTRACTOR —

CRL LOG NUMBER	SAMPLE DESCRIPTION	TOTAL METALS WATER Cd UG/L	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
90FM18S98	RW1 5-167-562	X 0.2u	X	X 2u	X 2u	X 2u	X 2u	X 2u
99	RW2 5-167-580	X 0.31	X	X 2u	X 6.4	X 2u	X 2u	X ~~2u~~ 4u KM
↓ D98	DUP 5-167-571	X 0.2u	X	X 2u	X 2u	X 2u	X 2u	X 2u
90FM02R84	BLANK 5-167-587	X 0.2u	X	X 2u	X 2.5	X 2u	X 2u	X 2u
		7/17/90 KM		7/20/90 KM	7/17/90 KM	7/31/90 KM	7/29/90 HP	7/31/90 KM

Shipment (is) is not Complete

;IN DATA FILE: AS001.DF

SF7253 - 7256

Analyst: HP / KM.

7/16/90.

JVM
11 Sept 90

;in Element - AS

0.001
0.000 AZ
0.001
0.132 BIK
0.261
0.391
0.297
0.438 AQC.
0.571
0.702
0.001
0.126 90FF02 R83
0.264
0.395
0.364
0.488 FF18S94
0.619
0.729
0.046
0.163 S95
0.295
0.400
0.043
0.165 D95
0.280
0.412
0.515
0.678 S96
0.794
0.847
0.207
0.337 S97
0.467
0.580
0.326
0.446 S94 dup.
0.566
0.671
0.277
0.393 AQC.
0.523
0.628
0.001
0.074 90FS02 R85
0.201
0.255
0.005 FS18
0.100 S01
0.175
0.264
0.004
0.089 D01
0.172
0.255
0.003
S02

JVM
11 Sept 90

0.081
0.173
0.260

-0.002 90FM18
0.078 S98
0.166
0.247

0.226 FF18
0.334 S96 2X.
0.415
0.441

0.002
0.095 S01 dup
0.201
0.296

0.184
0.269 AQC
0.348
0.431

0.335
0.475 AQC.
0.616
0.748

0.000
0.135 R85
0.271
0.419

0.280 FF18
0.405 396 2X
0.531
0.629

0.000
0.125 90FM18 R84
0.260
0.385

-0.003
0.114 S99
0.233
0.339

-0.002
0.109 D98
0.221
0.324

0.001
0.106 S98 dup.
0.216
0.318

-0.001
0.077 BIK digested.
0.166
0.247

0.298
0.433 ARC.
0.577
0.683

-0.002
0.098
0.186 DO NOT ACCOUNT HP.
0.295
0.010

* FLAMELESS * CSC VERSION 1.00 *

NAME OF ANALYST ---: HP/KM
DATE OF ANALYSIS --: 07-20-1990
PARAMETER NAME ----: AS
DATA SET # --------: SF7253-56

JVM 11 Sept 90

SAMPLE NO.	CONC.	R VALUE	SLOPE
BLANK	-4.677023E-06	.9999794	.01305
AQC TV=23.5	22.24034	.9998517	.01348 94%
90FF02R83	-.1136318	.9998336	.0132 2u
FF18S94	29.86133	.9994126	.01226
S95	3.927982	.9991302	.01194
D95	3.412434	.99964	.01222
~~S96~~	~~48.71406~~	~~.9763057~~	~~.01112~~ Rlow
S96 KM	16.84548	.9994451	.01249
S94 DUP	28.48485	.9994951	.01155
AQC TV=23.5	23.48269	.9992421	.01183 99%
90FS02R85	-.2234637	.9890529	.00895 2u
FS18S01	.9624429	.9990811	8.519999E-03 2u
D01	.5502401	.9999829	.00836 2u
S02	-2.317638E-02	.9994861	8.630001E-03 2u
SF 7253 - 90FM18S98	-.3592851	.9998352	8.350001E-03 2u
~~FF18S96 2X~~	~~33.76032~~	~~.9688786~~	~~7.260002E-03~~ Rlow
S01 DUP	3.036314E-02	.9996947	9.880001E-03 2u
AQC TV=23.5	22.56098	.9999106	8.200001E-03 95%
AQC TV=23.5	24.38405	.9998895	.0138 103%
R85	-.1938272	.9997513	.01393 2u
FF18S96 2X	24.32225	.9983739	.01173 48%
90FM18R84	-7.751936E-02	.9998798	.0129 2u
SF 7253 ~~S99~~	~~-1.149746~~	~~-.1754903~~	~~-15.32182~~ KM 7/90
S99	-8.733624E-02	.9996837	.01145 2u
D98	-4.587435E-02	.9998232	.0109 2u
S98 DUP	.1036764	.999905	.01061 2u
DIGESTED BLK	-.3241311	.9997074	8.330001E-03 2u
AQC TV=23.5	23.31794	.9981054	.01299 99%

BLANK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-6.103515E-08	9.999389E-04	-1638300 %
10	.132	.1305	-1.50004E-03	-1.149457 %
20	.261	.261	-2.980232E-08	-1.141852E-05 %
30	.391	.3915	4.999638E-04	.1277047 %

AQC TV=23.5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.297	.2997998	2.799809E-03	.9338929 %
10	.438	.4345998	-3.400177E-03	-.7823696 %
20	.571	.5693998	-1.600146E-03	-.2810233 %
30	.702	.7042	2.199888E-03	.3123954 %

90FF02R83

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	-1.499939E-03	-2.499939E-03	166.6694 %
10	.126	.1305001	4.500047E-03	3.44831 %
20	.264	.2625	-1.499981E-03	-.5714211 %
30	.395	.3945	-4.999936E-04	-.1267411 %

KM
7/15/94

FF185S94

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.364	.3661	2.099991E-03	.5736113 %
10	.488	.4887	6.99997E-04	.1432365 %
20	.619	.6113	-7.700026E-03	-1.259615 %
30	.729	.7339001	4.900098E-03	.6676792 %

S95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.046	4.690009E-02	9.00086E-04	1.919156 %
10	.163	.1663001	3.300056E-03	1.984399 %
20	.295	.2857	-9.299964E-03	-3.25515 %
30	.4	.4051	5.099982E-03	1.258944 %

D95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.043	4.169995E-02	-1.300052E-03	-3.117634 %
10	.165	.1639	-1.100048E-03	-.6711706 %
20	.28	.2861	6.099969E-03	2.132111 %
30	.412	.4083	-3.700018E-03	-.9062008 %

S96

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.515	.5417001	2.670008E-02	4.928942 %
10	.678	.6529001	-2.509993E-02	-3.844376 %
20	.794	.7641	-2.990008E-02	-3.91311 %
30	.847	.8752999	2.829993E-02	3.233169 %

S9~~6~~7 KM

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.207	.2104	3.400013E-03	1.615976 %
10	.337	.3353	-1.700014E-03	-.5070128 %
20	.467	.4602	-6.800056E-03	-1.477631 %
30	.58	.5851	5.099952E-03	.8716378 %

S94 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.326	.329	2.999991E-03	.9118514 %

10	.446	.4445	-1.500042E-03	.9118514 %
20	.565	.56	-6.000042E-03	-1.071436 %
30	.671	.6755	4.499972E-03	.6661691 %

AQC TV=23.5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.277	.2778001	8.00103E-04	.2880139 %
10	.393	.3961001	3.100038E-03	.7826401 %
20	.523	.5144	-8.599997E-03	-1.67185 %
30	.628	.6327	4.699946E-03	.7428395 %

JVM
11 Sep 90

90FS02R85

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-.002	-9.999998E-04	49.99999 %
10	.074	8.749999E-02	1.349999E-02	15.42856 %
20	.201	.177	-2.400002E-02	-13.55934 %
30	.255	.2665	.0115	4.315198 %

FS18S01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.005	8.200012E-03	3.200012E-03	39.02448 %
10	.1	.0934	-.0066	-7.066381 %
20	.175	.1786	3.599987E-03	2.01567 %
30	.264	.2638	-2.000034E-04	-.0758163 %

D01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	4.600006E-03	6.00006E-04	13.04359 %
10	.089	8.819999E-02	-8.000061E-04	-.9070364 %
20	.172	.1718	-2.000183E-04	-.1164251 %
30	.255	.2554	4.000068E-04	.1566197 %

S02

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	-2.000122E-04	-3.200012E-03	1599.909 %
10	.081	.0861	5.099997E-03	5.923342 %
20	.173	.1724	-5.999953E-04	-.3480251 %
30	.26	.2587	-1.299977E-03	-.5025038 %

90FM18S98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.002	-3.000031E-03	-1.00003E-03	33.33401 %
10	.078	8.049998E-02	2.499975E-03	3.10556 %
20	.166	.164	-2.000019E-03	-1.219524 %
30	.247	.2475	4.999936E-04	.2020176 %

FF18S96 2X

FF18S96 2X

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.226	.2451	1.909998E-02	7.792731 %
10	.334	.3177	-1.629999E-02	-5.130625 %
20	.415	.3903	-2.469996E-02	-6.328453 %
30	.441	.4629001	2.190003E-02	4.731049 %

JVM
11Sept90

S01 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.002	2.999878E-04	-1.700012E-03	-566.6938 %
10	.095	9.909999E-02	4.099995E-03	4.137231 %
20	.201	.1979	-3.100008E-03	-1.566452 %
30	.296	.2967	6.99997E-04	.2359275 %

AQC TV=23.5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.184	.185	1.000002E-03	.5405416 %
10	.269	.267	-1.999974E-03	-.749054 %
20	.348	.349	1.000047E-03	.2865463 %
30	.431	.431	2.980232E-08	6.914692E-06

AQC TV=23.5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.335	.3365	1.499981E-03	.4457595 %
10	.475	.4745	-4.999936E-04	-.1053727 %
20	.616	.6125001	-3.499925E-03	-.5714163 %
30	.748	.7505001	2.500057E-03	.3331189 %

R85

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	0	-2.700012E-03	-2.700012E-03	100 %
10	.135	.1366	1.599968E-03	1.171279 %
20	.271	.2759	4.899979E-03	1.775998 %
30	.419	.4152	-3.800035E-03	-.91523 %

FF18S96 2X

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.28	.2853	5.299986E-03	1.857689 %
10	.405	.4026	-2.400011E-03	-.5961279 %
20	.531	.5199	-1.110005E-02	-2.135037 %
30	.629	.6372	8.19999E-03	1.286879 %

90FM18R84

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	0	[illegible]	[illegible]	[illegible]

90FM18R84

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	0	-9.999999E-04	-9.999999E-04	100 %
10	.125	.128	3.000006E-03	2.343755 %
20	.26	.257	-2.999962E-03	-1.1673 %
30	.385	.386	1.000047E-03	.2590794 %

JVM
11 Sept 90

S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
-.003	10	17.66217	7.662165	43.3818 %
.114	20	15.86951	-4.130488	-26.02782 %
.233	30	14.04622	-15.95378	-113.5807 %
.339	0	12.4221	12.4221	100 %

S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.003	-9.999999E-04	.002	-200 %
10	.114	.1135	-5.000085E-04	-.4405361 %
20	.233	.228	-5.00001E-03	-2.192987 %
30	.339	.3425	3.499985E-03	1.021893 %

D98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.002	-5.000305E-04	1.49997E-03	-299.9756 %
10	.109	.1085	-5.000085E-04	-.4608374 %
20	.221	.2175	-.0035	-1.609195 %
30	.324	.3265	2.500028E-03	.7657051 %

S98 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	1.100006E-03	1.00006E-04	9.091404 %
10	.106	.1072	1.199991E-03	1.119394 %
20	.216	.2133	-2.700031E-03	-1.265837 %
30	.318	.3194	1.399964E-03	.4383107 %

DIGESTED BLK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-2.700012E-03	-1.700012E-03	62.96313 %
10	.077	.0806	3.599994E-03	4.466494 %
20	.166	.1639	-2.099991E-03	-1.281264 %
30	.247	.2472	2.000034E-04	8.090752E-02 %

AQC TV=23.5

SPIKE	MEASURED	CALC.	ERROR	PER CENT

20	.216	.2133	-2.700031E-03	-1.265837 %
30	.318	.3194	1.399964E-03	.4383107 %

KM see previous page

DIGESTED BLK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-2.700012E-03	-1.700012E-03	62.96313 %
10	.077	.0806	3.599994E-03	4.466494 %
20	.166	.1639	-2.099991E-03	-1.281264 %
30	.247	.2472	2.000034E-04	8.090752E-02 %

JW 11 Sept 9?

AQC TV=23.5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.298	.3029	4.900009E-03	1.617698 %
10	.433	.4328	-2.000034E-04	-4.621151E-02 %
20	.577	.5627	-1.430005E-02	-2.541327 %
30	.683	.6926	9.599924E-03	1.386071 %

Cd

NM 11/29/90

ID: Blank Seq. No.: 00001 A/S Pos.: 1 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 1
Replicate 1 Time: 15:03
Peak Area (A-s): 0.006 Peak Height (A): 0.011
Background Pk Area (A-s): 0.164 Background Pk Height (A): 0.052
Blank Corrected Pk Area (A-s): -0.013
Concentration (ug/L): -0.115

Auto-zero performed.

ID: Standard 1 Seq. No.: 00002 A/S Pos.: 2 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 2
Replicate 1 Time: 15:06
Peak Area (A-s): 0.111 Peak Height (A): 0.151
Background Pk Area (A-s): 0.194 Background Pk Height (A): 0.098
Blank Corrected Pk Area (A-s): 0.105
Concentration (ug/L): 2.302

Standard number 1 applied. [2.000]
Correlation coefficient: 1.00000 Slope: 0.0524 Int: 0.000

ID: Standard 2 Seq. No.: 00003 A/S Pos.: 3 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 3
Replicate 1 Time: 15:09
Peak Area (A-s): 0.083 Peak Height (A): 0.112
Background Pk Area (A-s): 0.177 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 1.457

Standard number 2 applied. [1.500]
Correlation coefficient: 0.99973 Slope: 0.0521 Int: -0.000

ID: Standard 3 Seq. No.: 00004 A/S Pos.: 4 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 4
Replicate 1 Time: 15:12
Peak Area (A-s): 0.063 Peak Height (A): 0.082
Background Pk Area (A-s): 0.172 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 1.100

Standard number 3 applied. [1.000]

Correlation coefficient: 0.99803 Slope: 0.0518 Int: 0.001

uL dispensed: 5 from 36, 15 from 5
Replicate. 1 Time: 15:15
Peak Area (A-s): 0.032 Peak Height (A): 0.044
Background Pk Area (A-s): 0.161 Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 0.480

Standard number 4 applied. [0.500]
Correlation coefficient: 0.99824 Slope: 0.0520 Int: 0.001

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ID: CCB1 Seq. No.: 00006 A/S Pos.: 6 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 6
Replicate 1 Time: 15:19
Peak Area (A-s): 0.003 Peak Height (A): 0.010
Background Pk Area (A-s): 0.157 Background Pk Height (A): 0.049
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.077

~~~~~~

ID: AQC 0.975 UG/L Seq. No.: 00007 A/S Pos.: 37 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 37
Replicate 1 Time: 15:22
Peak Area (A-s): 0.058 Peak Height (A): 0.078
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 0.983

100% rec

Check sample is within range .8775 - 1.0725

~~99%~~ rec limit 100 ± 10%

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ID: 90FM18S98 Seq. No.: 00008 A/S Pos.: 7 Date: 07/13/90

SF7253 ↓

uL dispensed: 5 from 36, 15 from 7
Replicate 1 Time: 15:25
Peak Area (A-s): 0.009 Peak Height (A): 0.010
Background Pk Area (A-s): 0.386 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 0.040

limit ≤ 0.2

~~~~~~

ID: S98+1 Seq. No.: 00009 A/S Pos.: 8 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 8
Replicate 1 Time: 15:28
Peak Area (A-s): 0.065 Peak Height (A): 0.080
Background Pk Area (A-s): 0.421 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 1.114

111% rec limit 100% ± 10%

~~~~~~

ID: S99 Seq. No.: 00010 A/S Pos.: 9 Date: 07/13/90

Peak Area (A-s): 0.006 Peak height (A): 0.007

uL dispensed: 5 from 36, 15 from 9
Replicate 1 Time: 15:32
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Blank Corrected Pk Area (A-s): 0.014
Concentration (ug/L): 0.249

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ID: S99+1   Seq. No.: 00011   A/S Pos.: 10   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 10
Replicate 1   Time: 15:35
Peak Area (A-s): 0.083   Peak Height (A): 0.109
Background Pk Area (A-s): 0.467   Background Pk Height (A): 0.157
Blank Corrected Pk Area (A-s): 0.076
Concentration (ug/L): 1.452

120% rec limit 100% ±10%
See rerun
jw 11 Sep

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ID: D98   Seq. No.: 00012   A/S Pos.: 11   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 11
Replicate 1   Time: 15:38
Peak Area (A-s): 0.006   Peak Height (A): 0.009
Background Pk Area (A-s): 0.406   Background Pk Height (A): 0.136
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.023

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ID: D98+1   Seq. No.: 00013   A/S Pos.: 12   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 12
Replicate 1   Time: 15:41
Peak Area (A-s): 0.064   Peak Height (A): 0.081
Background Pk Area (A-s): 0.412   Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 1.093

109% rec limit 100±10%

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ID: R84   Seq. No.: 00014   A/S Pos.: 13   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 13
Replicate 1   Time: 15:45
Peak Area (A-s): 0.005   Peak Height (A): 0.011
Background Pk Area (A-s): 0.154   Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.047

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ID: R84+1   Seq. No.: 00015   A/S Pos.: 14   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 14
Replicate 1   Time: 15:48
Peak Area (A-s): 0.059   Peak Height (A): 0.082
Background Pk Area (A-s): 0.160   Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 0.989

103% rec. limit 100±10%

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Peak Area (A-S): 0.006   Peak height (A): 0.007 KM

ID: 90FF:8894   Seq. No.: 00016   A/S Pos.: 15   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 15

Background Pk Area (A-s): 0.425 Background Pk Height (A): 0.145
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.022

ID: S94+1 Seq. No.: 00017 A/S Pos.: 16 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 16
Replicate 1 Time: 15:54
Peak Area (A-s): 0.063 Peak Height (A): 0.078
Background Pk Area (A-s): 0.451 Background Pk Height (A): 0.153
Blank Corrected Pk Area (A-s): 0.056
Concentration (ug/L): 1.066

108% rec. limit 100±10%

gvm 11Sep19

ID: S95 Seq. No.: 00018 A/S Pos.: 17 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 17
Replicate 1 Time: 15:58
Peak Area (A-s): 0.012 Peak Height (A): 0.009
Background Pk Area (A-s): 0.407 Background Pk Height (A): 0.136
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.091

~~100% rec. limit 100±10%~~ KM

ID: S95+1 Seq. No.: 00019 A/S Pos.: 18 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 18
Replicate 1 Time: 16:01
Peak Area (A-s): 0.064 Peak Height (A): 0.081
Background Pk Area (A-s): 0.435 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.058
Concentration (ug/L): 1.094

100% rec. limit 100%±10%

ID: S96 Seq. No.: 00020 A/S Pos.: 19 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 19
Replicate 1 Time: 16:04
Peak Area (A-s): 0.007 Peak Height (A): 0.011
Background Pk Area (A-s): 0.388 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.010

ID: S96+1 Seq. No.: 00021 A/S Pos.: 20 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 20
Replicate 1 Time: 16:07
Peak Area (A-s): 0.063 Peak Height (A): 0.083
Background Pk Area (A-s): 0.432 Background Pk Height (A): 0.140
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 1.074

108% rec. limit 100±10%

ID: S97 Seq. No.: 00022 A/S Pos.: 21 Date: 07/13/90

Replicate #1 KM

Peak Area (A-s): 0.011 Peak Height (A): 0.014
Background Pk Area (A-s): 0.385 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.065

ID: 397+1 Seq. No.: 00023 A/S Pos.: 22 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 22
Replicate 1 Time: 16:13
Peak Area (A-s): 0.063 Peak Height (A): 0.089
Background Pk Area (A-s): 0.403 Background Pk Height (A): 0.126
Blank Corrected Pk Area (A-s): 0.057
Concentration (ug/L): 1.070

102% rec limit 100% ± 10%

ID: D95 Seq. No.: 00024 A/S Pos.: 23 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 23
Replicate 1 Time: 16:16
Peak Area (A-s): 0.005 Peak Height (A): 0.009
Background Pk Area (A-s): 0.419 Background Pk Height (A): 0.142
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.034

ID: D95+1 Seq. No.: 00025 A/S Pos.: 24 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 24
Replicate 1 Time: 16:20
Peak Area (A-s): 0.059 Peak Height (A): 0.081
Background Pk Area (A-s): 0.445 Background Pk Height (A): 0.148
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 1.002

103% rec limit 100 ± 10%

ID: 90FF02R83 Seq. No.: 00026 A/S Pos.: 25 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 25
Replicate 1 Time: 16:23
Peak Area (A-s): 0.010 Peak Height (A): 0.009
Background Pk Area (A-s): 0.154 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.060

ID: R83+1 Seq. No.: 00027 A/S Pos.: 26 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 26
Replicate 1 Time: 16:26
Peak Area (A-s): 0.061 Peak Height (A): 0.084
Background Pk Area (A-s): 0.174 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.055

Concentration (ug/L): 1.034

97% rec limit 100% ± 10%

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uL dispensed: 5 from 36, 15 from 27
Replicate 1 Time: 16:29
Peak Area (A-s): 0.004 Peak Height (A): 0.010
Background Pk Area (A-s): 0.411 Background Pk Height (A): 0.137
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.069

ID: S98 DUP.+1 Seq. No.: 00029 A/S Pos.: 28 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 28
Replicate 1 Time: 16:33
Peak Area (A-s): 0.057 Peak Height (A): 0.080
Background Pk Area (A-s): 0.443 Background Pk Height (A): 0.143
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 0.965

JVM 7/13/90

103% rec limit 100±10%

ID: CCB2 Seq. No.: 00030 A/S Pos.: 29 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 29
Replicate 1 Time: 16:36
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.158 Background Pk Height (A): 0.048
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.060

limit ≤ 0.2

ID: AQC 0.975 UG/L Seq. No.: 00031 A/S Pos.: 37 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 37
Replicate 1 Time: 16:39
Peak Area (A-s): 0.059 Peak Height (A): 0.085
Background Pk Area (A-s): 0.178 Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 1.003

Check sample is within range .8775 - 1.0725

102% rec KM
~~97% rec~~ limit 100±10%

ID: BLK Seq. No.: 00032 A/S Pos.: 30 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 30

ID: CCB1 Seq. No.: 00033 A/S Pos.: 6 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 6
Replicate 1 Time: 16:55
Peak Area (A-s): 0.004 Peak Height (A): 0.013
Background Pk Area (A-s): 0.180 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.068

Don't count KM already run

ID: AQC 0.975 UG/L Seq. No.: 00034 A/S Pos.: 37 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 37

Check sample is out of range .8775 - 1.0725

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ID: Blank Seq. No.: 00035 A/S Pos.: 1 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 1

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ID: CCB1 Seq. No.: 00036 A/S Pos.: 6 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 6

Replicate 1 Time: 17:08

Peak Area (A-s): 0.015 Peak Height (A): 0.018

Background Pk Area (A-s): 0.489 Background Pk Height (A): 0.157

Blank Corrected Pk Area (A-s): 0.009

Concentration (ug/L): 0.149

JVM 11Sep

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ID: AQC 0.975 UG/L Seq. No.: 00037 A/S Pos.: 37 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 37

Replicate 1 Time: 17:12

Peak Area (A-s): 0.060 Peak Height (A): 0.085

Background Pk Area (A-s): 0.187 Background Pk Height (A): 0.073

Blank Corrected Pk Area (A-s): 0.053

Concentration (ug/L): 1.008

Check sample is within range .8775 - 1.0725

~~~~~~

ID: 90FS19S01 Seq. No.: 00038 A/S Pos.: 7 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 7

Replicate 1 Time: 17:15

Peak Area (A-s): 0.006 Peak Height (A): 0.011

Background Pk Area (A-s): 0.325 Background Pk Height (A): 0.101

Blank Corrected Pk Area (A-s): -0.000

Concentration (ug/L): -0.025

~~~~~~

ID: S01+1 Seq. No.: 00039 A/S Pos.: 8 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 8

Replicate 1 Time: 17:18

Peak Area (A-s): 0.057 Peak Height (A): 0.079

Background Pk Area (A-s): 0.341 Background Pk Height (A): 0.100

Blank Corrected Pk Area (A-s): 0.051

Concentration (ug/L): 0.959

98% rec. limit 100 ± 10%

~~~~~~

ID: S02 Seq. No.: 00040 A/S Pos.: 9 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 9

Replicate 1 Time: 17:21

Peak Area (A-s): -0.001 Peak Height (A): 0.010

Background Pk Area (A-s): 0.414 Background Pk Height (A): 0.138

Concentration (ug/L): -0.150

Blank corrected Pk Area (A-s): -0.007

ID: S02+1 Seq. No.: 00041 A/S Pos.: 10 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 10
Replicate 1 Time: 17:25
Peak Area (A-s): 0.070 Peak Height (A): 0.084
Background Pk Area (A-s): 0.420 Background Pk Height (A): 0.133
Blank Corrected Pk Area (A-s): 0.063
Concentration (ug/L): 1.204

130% rec limit 100±10%

ID: D01 Seq. No.: 00042 A/S Pos.: 11 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 11
Replicate 1 Time: 17:28
Peak Area (A-s): 0.011 Peak Height (A): 0.014
Background Pk Area (A-s): 0.333 Background Pk Height (A): 0.102
Blank Corrected/Pk Area (A-s): 0.004
Contentration (ug/L): 0.068

ID: D01+1 Seq. No.: 00043 A/S Pos.: 12 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 12
Replicate 1 Time: 17:31
Peak Area (A-s): 0.064 Peak Height (A): 0.087
Background Pk Area (A-s): 0.354 Background Pk Height (A): 0.103
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 1.097

102% rec limit 100±10%

ID: [illegible]02R85 Seq. No.: 00044 A/S Pos.: 13 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 13
Replicate 1 Time: 17:34
Peak Area (A-s): 0.005 Peak Height (A): 0.011
Background Pk Area (A-s): 0.156 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.040

ID: [illegible] Seq. No.: 00045 A/S Pos.: 14 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 14
Replicate 1 Time: 17:38
Peak Area (A-s): 0.064 Peak Height (A): 0.084
Background Pk Area (A-s): 0.179 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 1.095

113% rec limit 100% ±10%

ID: 90FM18S99 RERUN Seq. No.: 00046 A/S Pos.: 15 Date: 07/13/90

uL dispensed: 5 from 36, 15 from 15
Replicate 1 Time: 17:41
Peak Area (A-s): 0.[illegible] Peak Height (A): 0.[illegible]

Background Pk Area (A-s): 0.501   Background Pk Height (A): 0.178
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 0.311

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ID: S99+1   Seq. No.: 00047   A/S Pos.: 16   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 16
Replicate 1   Time: 17:44
Peak Area (A-s): 0.077   Peak Height (A): 0.103
Background Pk Area (A-s): 0.522   Background Pk Height (A): 0.182
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 1.352

JWS 11Sept90

104% rec limit 100±10%

~~~~~~

ID: 90FS19S01 DUP   Seq. No.: 00048   A/S Pos.: 17   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 17
Replicate 1   Time: 17:47
Peak Area (A-s): 0.010   Peak Height (A): 0.009
Background Pk Area (A-s): 0.336   Background Pk Height (A): 0.104
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.057

~~~~~~

ID: S01 DUP.+1   Seq. No.: 00049   A/S Pos.: 18   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 18
Replicate 1   Time: 17:50
Peak Area (A-s): 0.062   Peak Height (A): 0.083
Background Pk Area (A-s): 0.382   Background Pk Height (A): 0.116
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 1.048

99% rec limit 100±10%

~~~~~~

ID: AQC 0.975 UG/L   Seq. No.: 00050   A/S Pos.: 37   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 37
Replicate 1   Time: 17:53
Peak Area (A-s): 0.061   Peak Height (A): 0.087
Background Pk Area (A-s): 0.181   Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 1.030

Check sample is within range .8775 - 1.0725

105% rec limit 100%±10%

~~~~~~

ID: ~~[illegible]~~ CCB   Seq. No.: 00051   A/S Pos.: 19   Date: 07/13/90

uL dispensed: 5 from 36, 15 from 19
Replicate 1   Time: 17:5?
Peak Area (A-s): 0.005   Peak Height (A): 0.009
Background Pk Area (A-s): 0.158   Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): -0.002

Concentration (ug/L): -0.051

limit ±0.2

~~~~~~

ID: Blank Seq. No.: 00017 A/S Pos.: 1 Date:

uL dispensed: 5 from 36, 15 from 1
Replicate 1 (Peak Stored) Time: 12:23
Peak Area (A-s): 0.014 Peak Height (A): 0.017
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 2.18

Auto-zero performed.

ID: Standard 1 Seq. No.: 00018 A/S Pos.: 2 Date:

uL dispensed: 5 from 36, 15 from 2
Replicate 1 (Peak Stored) Time: 12:26
Peak Area (A-s): 0.113 Peak Height (A): 0.217
Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.093
Blank Corrected Pk Area (A-s): 0.099
Concentration (ug/L): 40.58

Standard number 1 applied. [40.00]
Correlation coefficient: 1.00000 Slope: 0.0025 Int: 0.000

ID: Standard 2 Seq. No.: 00019 A/S Pos.: 3 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 3
Replicate 1 (Peak Stored) Time: 12:29
Peak Area (A-s): 0.083 Peak Height (A): 0.170
Background Pk Area (A-s): 0.102 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 27.97

Standard number 2 applied. [30.00]
Correlation coefficient: 0.99849 Slope: 0.0024 Int: -0.001

ID: Standard 3 Seq. No.: 00020 A/S Pos.: 4 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 4
Replicate 1 (Peak Stored) Time: 12:33
Peak Area (A-s): 0.060 Peak Height (A): 0.121
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 19.14

Standard number 3 applied. [20.00]
Correlation coefficient: 0.99820 Slope: 0.0025 Int: -0.001

ID: Standard 4 Seq. No.: 00021 A/S Pos.: 5 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 5
Replicate 1 (Peak Stored) Time: 12:36

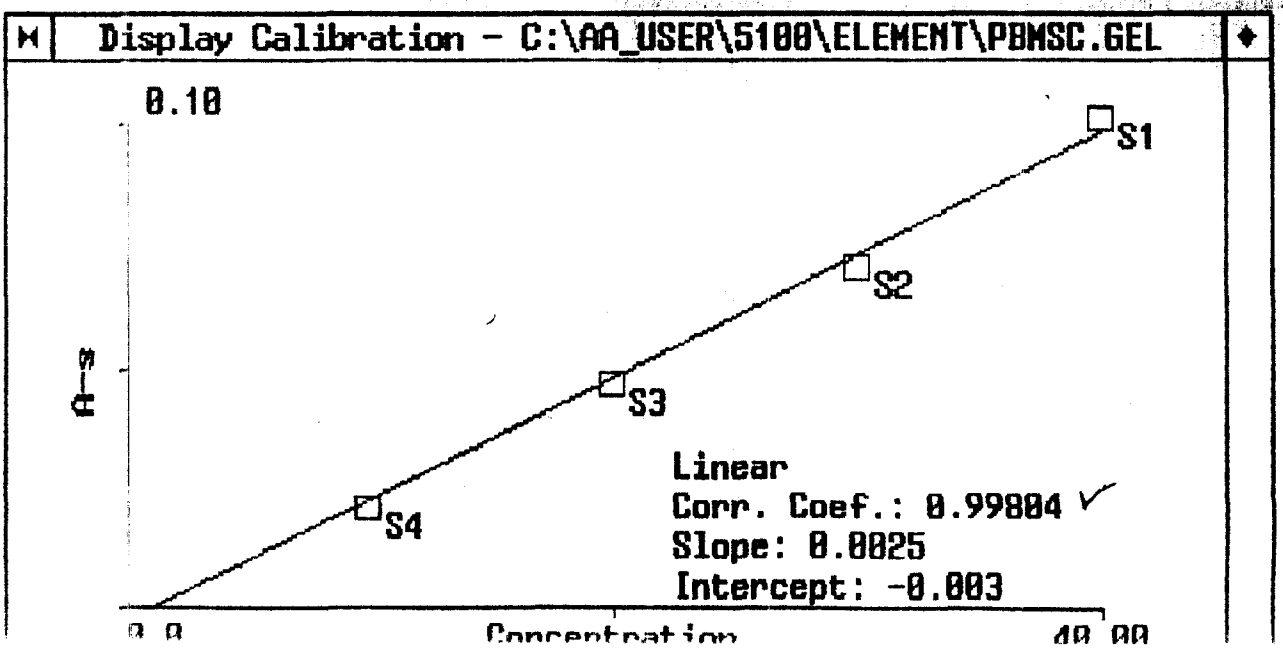
Peak Area (A-s): 0.034
Background Pk Area (A-s): 0.078
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 8.89

Peak Height (A): 0.069
Background Pk Height (A): 0.040

Standard number 4 applied. [10.00]
Correlation coefficient: 0.99804

Slope: 0.0025

Int: -0.003



~~~~~~

ID: CCB1 Seq. No.: 00022 A/S Pos.: 6 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 6
Replicate 1 (Peak Stored) Time: 12:40
Peak Area (A-s): 0.011 Peak Height (A): 0.016
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.06 limit ≤ 2.0

~~~~~~

ID: AQC 22.4 UG/L Seq. No.: 00023 A/S Pos.: 37 Date: 07/12/9

uL dispensed: 5 from 36, 15 from 37
Replicate 1 (Peak Stored) Time: 12:43
Peak Area (A-s): 0.068 Peak Height (A): 0.131
Background Pk Area (A-s): 0.086 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 22.93 102 % rec. limit 100 ± 10%.

Check sample is within range 20.16 - 24.64

~~~~~~ SF1253

ID: 90FM18S98 Seq. No.: 00024 A/S Pos.: 7 Date: 07/12/

uL dispensed: 5 from 36, 15 from 7
Replicate 1 (Peak Stored) Time: 12:46
Peak Area (A-s): 0.013 Peak Height (A): 0.023
Background Pk Area (A-s): 0.152 Background Pk Height (A): 0.054
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 0.58
~~~~~~

ID: S98 +20 Seq. No.: 00025 A/S Pos.: 8 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 8
Replicate 1 (Peak Stored) Time: 12:49
Peak Area (A-s): 0.068 Peak Height (A): 0.129
Background Pk Area (A-s): 0.180 Background Pk Height (A): 0.066
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 22.71

111 % rec. limit 100±10 %.

Analytical spk rec. is out of control window, however, the sample conc. is less than 2ppb (I.D.L). Data is acceptable

ID: S99 Seq. No.: 00026 A/S Pos.: 9 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 9
Replicate 1 (Peak Stored) Time: [illegible]
Peak Area (A-s): 0.027 Peak Height (A): 0.051
Background Pk Area (A-s): 0.208 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 6.36

ID: S99 +20 Seq. No.: 00027 A/S Pos.: 10 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 10
Replicate 1 (Peak Stored) Time: 12:56
Peak Area (A-s): 0.077 Peak Height (A): 0.152

Background Pk Area (A-s): 0.224 Background Pk Height (A): 0.081
Blank Corrected Pk Area (A-s): 0.063
Concentration (ug/L): 26.57

101 % rec. limit 100±10%

ID: D98 Seq. No.: 00028 A/S Pos.: 11 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 11
Replicate 1 (Peak Stored) Time: 12:59
Peak Area (A-s): 0.016 Peak Height (A): 0.024
Background Pk Area (A-s): 0.157 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.75

ID: D98 +20 Seq. No.: 00029 A/S Pos.: 12 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 12
Replicate 1 (Peak Stored) Time: 13:03
Peak Area (A-s): 0.066 Peak Height (A): 0.128
Background Pk Area (A-s): 0.181 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 21.88

101 % rec. limit 100 ± 10%

ID: FM02R84 Seq. No.: 00030 A/S Pos.: 13 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 13
Replicate 1 (Peak Stored) Time: 13:06
Peak Area (A-s): 0.017 Peak Height (A): 0.031

Concentration (ug/L): 2.15

~~~~~~

ID: S94 +20 Seq. No.: 00031 A/S Pos.: 14 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 14
Replicate 1 (Peak Stored) Time: 13:09
Peak Area (A-s): 0.072 Peak Height (A): 0.138
Background Pk Area (A-s): 0.087 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.058 111% rec. (see rerun)
Concentration (ug/L): 24.43

~~~~~~

ID: 90FF18S94 Seq. No.: 00032 A/S Pos.: 15 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 15
Replicate 1 (Peak Stored) Time: 13:13
Peak Area (A-s): 0.010 Peak Height (A): 0.020
Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.71

~~~~~~

ID: S94 +20 Seq. No.: 00033 A/S Pos.: 16 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 16
Replicate 1 (Peak Stored) Time: 13:16

Peak Area (A-s): 0.062 Peak Height (A): 0.124
Background Pk Area (A-s): 0.183 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.048 105% rec. limit 100 ±10%
Concentration (ug/L): 20.26

~~~~~~

ID: S95 Seq. No.: 00034 A/S Pos.: 17 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 17
Replicate 1 (Peak Stored) Time: 13:19
Peak Area (A-s): 0.007 Peak Height (A): 0.017
Background Pk Area (A-s): 0.176 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -1.95

~~~~~~

ID: S95 +20 Seq. No.: 00035 A/S Pos.: 18 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 18
Replicate 1 (Peak Stored) Time: 13:22
Peak Area (A-s): 0.060 Peak Height (A): 0.123
Background Pk Area (A-s): 0.182 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.046 108% rec. limit 100 ±10%.
Concentration (ug/L): 19.72

~~~~~~

ID: S96 Seq. No.: 00036 A/S Pos.: 19 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 19
Replicate 1 (Peak Stored) Time: 13:25

Blank Corrected Pk Area (A-s): -0.007
Concentration (ug/L): -1.65

~~~~~~

ID: S96 +20 Seq. No.: 00037 A/S Pos.: 20 Date: 07/1[illegible]

uL dispensed: 5 from 36, 15 from 20
Replicate 1 (Peak Stored) Time: 13:28
Peak Area (A-s): 0.061 Peak Height (A): 0.124
Background Pk Area (A-s): 0.167 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 19.97 108 % rec. limit 100±10%

~~~~~~

ID: S97 Seq. No.: 00038 A/S Pos.: 21 Date: [illegible]

uL dispensed: 5 from 36, 15 from 21
Replicate 1 (Peak Stored) Time: 13:32
Peak Area (A-s): 0.011 Peak Height (A): 0.018
Background Pk Area (A-s): 0.150 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.03

~~~~~~

ID: S97 +20 Seq. No.: 00039 A/S Pos.: 22 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 22

Replicate 1 (Peak Stored) Time: 13:35
Peak Area (A-s): 0.065 Peak Height (A): 0.131
Background Pk Area (A-s): 0.168 Background Pk Height (A): 0.072
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 21.62 108 % rec. limit 100±10%

~~~~~~

ID: D95 Seq. No.: 00040 A/S Pos.: 23 Date: [illegible]

uL dispensed: 5 from 36, 15 from 23
Replicate 1 (Peak Stored) Time: 13:38
Peak Area (A-s): 0.012 Peak Height (A): 0.017
Background Pk Area (A-s): 0.166 Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.38

~~~~~~

ID: D95 +20 Seq. No.: 00041 A/S Pos.: 24 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 24
Replicate 1 (Peak Stored) Time: 13:41
Peak Area (A-s): 0.059 Peak Height (A): 0.122
Background Pk Area (A-s): 0.193 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 19.29

94% rec. limit 100±10%

~~~~~~

ID: FF02R83 Seq. No.: 00042 A/S Pos.: 25 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 25

Background Pk Area (A-s): 0.065   Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.15

~~~~~~

ID: R83 +20   Seq. No.: 00043   A/S Pos.: 26   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 26
Replicate 1 (Peak Stored)   Time: 13:48
Peak Area (A-s): 0.064   Peak Height (A): 0.127
Background Pk Area (A-s): 0.087   Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 21.11

106% rec. limit 100±10%

~~~~~~

ID: FM18S98 DUP.   Seq. No.: 00044   A/S Pos.: 27   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 27
Replicate 1 (Peak Stored)   Time: 13:51
Peak Area (A-s): 0.014   Peak Height (A): 0.021
Background Pk Area (A-s): 0.164   Background Pk Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 1.13

~~~~~~

ID: S98 D. +20   Seq. No.: 00045   A/S Pos.: 28   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 28
Replicate 1 (Peak Stored)   Time: 13:54
Peak Area (A-s): 0.064   Peak Height (A): 0.132
Background Pk Area (A-s): 0.183   Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): 0.050
Concentration (ug/L): 21.06

99.6% rec limit 100±10%

~~~~~~

ID: CCB2   Seq. No.: 00046   A/S Pos.: 29   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 29
Replicate 1 (Peak Stored)   Time: 13:58
Peak Area (A-s): 0.011   Peak Height (A): 0.018
Background Pk Area (A-s): 0.070   Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.35   limit ≤ 2.0

~~~~~~

ID: AQC 22.4 UG/L   Seq. No.: 00047   A/S Pos.: 37   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 37
Replicate 1 (Peak Stored)   Time: 14:01
Peak Area (A-s): 0.065   Peak Height (A): 0.134
Background Pk Area (A-s): 0.088   Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 21.84   97% rec. limit 100±10%.

Check sample is within range 20.16 - 24.64

~~~~~~

uL dispensed: 5 from 36, 15 from 30
Replicate 1 (Peak Stored) Time: 14:04
Peak Area (A-s): 0.013 Peak Height (A): 0.017
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): 0.79

limit ≤2.0

~~~~~~

ID: 90FM02R84 Seq. No.: 00049 A/S Pos.: 7 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 7
Replicate 1 (Peak Stored) Time: 14:34
Peak Area (A-s): 0.017 Peak Height (A): 0.032
Background Pk Area (A-s): 0.118 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 2.47

~~~~~~

ID: F84 +20 Seq. No.: 00050 A/S Pos.: 8 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 8
Replicate 1 (Peak Stored) Time: 14:37
Peak Area (A-s): 0.068 Peak Height (A): 0.141
Background Pk Area (A-s): 0.102 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 22.88

102% rec limit 100 ± 10%

~~~~~~

ID: 90FS19S01 Seq. No.: 00051 A/S Pos.: 9 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 9
Replicate 1 (Peak Stored) Time: 14:41
Peak Area (A-s): 0.012 Peak Height (A): 0.019
Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): 0.30

~~~~~~

ID: S01 +20 Seq. No.: 00052 A/S Pos.: 10 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 10
Replicate 1 (Peak Stored) Time: 14:44
Peak Area (A-s): 0.061 Peak Height (A): 0.125
Background Pk Area (A-s): 0.132 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 20.04

98% rec. limit 100 ± 10%

~~~~~~

ID: S02 Seq. No.: 00053 A/S Pos.: 11 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 11
Replicate 1 (Peak Stored) Time: 14:47
Peak Area (A-s): 0.011 Peak Height (A): 0.017
Background Pk Area (A-s): 0.155 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.25
~~~~~~

uL dispensed: 5 from 36, 15 from 12
Replicate 1 (Peak Stored)   Time: 14:51
Peak Area (A-s): 0.061   Peak Height (A): 0.126
Background Pk Area (A-s): 0.163   Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): 0.047
Concentration (ug/L): 20.13

101.9% rec. limit 100±10%

~~~~~~

ID: D01   Seq. No.: 00055   A/S Pos.: 13   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 13
Replicate 1 (Peak Stored)   Time: 14:54
Peak Area (A-s): 0.011   Peak Height (A): 0.017
Background Pk Area (A-s): 0.110   Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -0.12

~~~~~~

ID: D01 +20   Seq. No.: 00056   A/S Pos.: 14   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 14
Replicate 1 (Peak Stored)   Time: 14:57
Peak Area (A-s): 0.057   Peak Height (A): 0.123
Background Pk Area (A-s): 0.128   Background Pk Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.043

Concentration (ug/L): 18.35

92% rec limit 100±10%

~~~~~~

ID: FS02R85   Seq. No.: 00057   A/S Pos.: 15   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 15
Replicate 1 (Peak Stored)   Time: 15:00
Peak Area (A-s): 0.015   Peak Height (A): 0.035
Background Pk Area (A-s): 0.075   Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 1.54

~~~~~~

ID: R85 +20   Seq. No.: 00058   A/S Pos.: 16   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 16
Replicate 1 (Peak Stored)   Time: 15:04
Peak Area (A-s): 0.069   Peak Height (A): 0.140
Background Pk Area (A-s): 0.087   Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 23.26

108% rec. limit 100±10%

~~~~~~

ID: BLK   Seq. No.: 00059   A/S Pos.: 17   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 17
Replicate 1 (Peak Stored)   Time: 15:07
Peak Area (A-s): 0.015   Peak Height (A): 0.023
Background Pk Area (A-s): 0.061   Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.001
~~~~~~

ID: BLK +20 Seq. No.: 00060 A/S Pos.: 18 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 18
Replicate 1 (Peak Stored) Time: 15:10
Peak Area (A-s): 0.062 Peak Height (A): 0.117
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 20.35

109% rec. limit 100±10%

ID: 90EK03R04 Seq. No.: 00061 A/S Pos.: 19 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 19
Replicate 1 (Peak Stored) Time: 15:13
Peak Area (A-s): 0.015 Peak Height (A): 0.020
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 1.39

ID: R04 +20 Seq. No.: 00062 A/S Pos.: 20 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 20
Replicate 1 (Peak Stored) Time: 15:16
Peak Area (A-s): 0.063 Peak Height (A): 0.115
Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.054

Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 20.96

97% rec limit 100±10%

ID: R05 Seq. No.: 00063 A/S Pos.: 21 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 21
Replicate 1 (Peak Stored) Time: 15:19
Peak Area (A-s): 0.014 Peak Height (A): 0.022
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 1.23

ID: R05 +20 Seq. No.: 00064 A/S Pos.: 22 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 22
Replicate 1 (Peak Stored) Time: 15:22
Peak Area (A-s): 0.060 Peak Height (A): 0.119
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.046
Concentration (ug/L): 19.74

92% rec limit 100±10%

ID: S03 Seq. No.: 00065 A/S Pos.: 23 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 23
Replicate 1 (Peak Stored) Time: 15:26
Peak Area (A-s): 0.111 Peak Height (A): 0.206
Background Pk Area (A-s): 0.153 Background Pk Height (A): 0.092

ID: S03 +20 Seq. No.: 00066 A/S Pos.: 24 Date: 07/12/9[illegible]

uL dispensed: 5 from 36, 15 from 24
Sample abs. is greater than that of the largest standard.
Replicate 1 (Peak Stored) Time: 15:29
Peak Area (A-s): 0.164 Peak Height (A): 0.291
Background Pk Area (A-s): 0.170 Background Pk Height (A): 0.122
Blank Corrected Pk Area (A-s): 0.150
Concentration (ug/L): 61.50

105% rec limit 100±10%

ID: S06 Seq. No.: 00067 A/S Pos.: 25 [illegible] 07/12/9[illegible]

uL dispensed: 5 from 36, 15 from 25
Replicate 1 (Peak Stored) Time: 15:32
Peak Area (A-s): 0.044 Peak Height (A): 0.076
Background Pk Area (A-s): 0.543 Background Pk Height (A): 0.268
Blank Corrected Pk Area (A-s): 0.030
Concentration (ug/L): 13.02

ID: S06 +20 Seq. No.: 00068 A/S Pos.: 26 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 26
Replicate 1 (Peak Stored) Time: 15:35

Peak Area (A-s): 0.094 Peak Height (A): 0.166
Background Pk Area (A-s): 0.558 Background Pk Height (A): 0.[illegible]
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 33.16

106% rec limit 100±10%

ID: S01 DUP. Seq. No.: 00069 A/S Pos.: 27 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 27
Replicate 1 (Peak Stored) Time: 15:39
Peak Area (A-s): 0.014 Peak Height (A): 0.017
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.94

ID: S01 D. +20 Seq. No.: 00070 A/S Pos.: 28 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 28
Replicate 1 (Peak Stored) Time: 15:42
Peak Area (A-s): 0.065 Peak Height (A): 0.130
Background Pk Area (A-s): 0.128 Background Pk Height (A): 0.061
Blank Corrected Pk Area (A-s): 0.051
Concentration (ug/L): 21.62

103% rec limit 100±10%

ID: CCB3 Seq. No.: 00071 A/S Pos.: 29 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 29
Replicate 1 (Peak Stored) Time: 15:45

Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.65

limit ≤ 2.0

~~~~~~

ID: AQC 22.4 UG/L Seq. No.: 00072 A/S Pos.: 37 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 37
Replicate 1 (Peak Stored) Time: 15:49
Peak Area (A-s): 0.067 Peak Height (A): 0.136
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 22.50

Check sample is within range 20.16 - 24.64

~~96% rec.~~ KN 100% rec limit 100±10%

~~~~~~

ID: BLK Seq. No.: 00073 A/S Pos.: 30 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 30
Replicate 1 (Peak Stored) Time: 15:52
Peak Area (A-s): 0.010 Peak Height (A): 0.017
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.022
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.49

~~~~~~

ID: 90EK03S06DUP Seq. No.: 00074 A/S Pos.: 7 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 7
Replicate 1 (Peak Stored) Time: 16:03
Peak Area (A-s): 0.039 Peak Height (A): 0.065
Background Pk Area (A-s): 0.525 Background Pk Height (A): 0.267
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 11.15

~~~~~~

ID: S06D +20 Seq. No.: 00075 A/S Pos.: 8 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 8
Replicate 1 (Peak Stored) Time: 16:06
Peak Area (A-s): 0.088 Peak Height (A): 0.156
Background Pk Area (A-s): 0.536 Background Pk Height (A): 0.274
Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 30.86

98% rec limit 100±10%

~~~~~~

ID: S06 SPK Seq. No.: 00076 A/S Pos.: 9 Date: 07/12/90

uL dispensed: 5 from 36, 15 from 9
Replicate 1 (Peak Stored) Time: 16:09
Peak Area (A-s): 0.086 Peak Height (A): 0.158
Background Pk Area (A-s): 0.359 Background Pk Height (A): 0.152
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 29.94 Corrected Conc (ug/L): 59.88

~~~~~~

ID: S06 S. +20 Seq. No.: 00077 A/S Pos.: 10 Date: 07/12/90

Sample abs. is greater than that of the largest standard.
Replicate 1 (Peak Stored)   Time: 16:13
Peak Area (A-s): 0.136   Peak Height (A): 0.240
Background Pk Area (A-s): 0.371   Background Pk Height (A): 0.183
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 50.31   Corrected Conc (ug/L): 100.61

101% rec limit 100±10%

~~~~~~

ID: CCB4   Seq. No.: 00078   A/S Pos.: 11   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 11
Replicate 1 (Peak Stored)   Time: 16:16
Peak Area (A-s): 0.010   Peak Height (A): 0.017
Background Pk Area (A-s): 0.069   Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): -0.004
Concentration (ug/L): -0.47

limit ≤2.0

~~~~~~

ID: AQC 22.4 UG/L   Seq. No.: 00079   A/S Pos.: 37   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 37
Replicate 1 (Peak Stored)   Time: 16:19
Peak Area (A-s): 0.068   Peak Height (A): 0.137
Background Pk Area (A-s): 0.086   Background Pk Height (A): 0.057
Blank Corrected Pk Area (A-s): 0.054
Concentration (ug/L): 22.91

Check sample is within range 20.16 - 24.64   102% rec limit 100±10%

~~~~~~

ID: BLK   Seq. No.: 00080   A/S Pos.: 12   Date: 07/12/90

uL dispensed: 5 from 36, 15 from 12
~~~~~~

BEGIN DATA FILE: SB005.DF

JVM
11 Sept 90

Begin Element - SB

0.002
0.000 AZ
0.005
0.332 Blank
0.671
1.051
0.276
0.477 AQC
0.673
0.856
0.282
0.479 AQC
0.645
0.887
1.083 10 and 30 std.
0.313
0.263
0.489 AQC
0.674
0.900
-0.002
0.347 Blank
0.730
1.045
0.285
0.496 AQC
0.688
0.888 New std. made
0.008
0.292 Blank
0.627
0.915
0.306
0.469 AQC
0.693
0.845
0.012 90FM02
0.146 R84
0.335
0.471
0.004 90M-FM18
0.164 598
0.310
0.481
0.001
0.146 D98
0.283
0.450
0.014
0.110 S99
0.265
0.424
0.010 90FF02
0.127 R83
0.281
0.450

JVM
11 Sept 90

0.008	90FF18
0.158	S94
0.280	
0.473	
0.016	
0.138	S94Dup
0.282	
0.497	
0.290	
0.437	AQC
0.616	
0.795	
0.002	
[redacted]	Paper jammed
0.178	
0.302	
0.002	
0.159	S95
0.321	
0.514	
-0.016	
0.153	D95
0.310	
0.500	
-0.003	
0.155	S96
0.302	
0.468	
0.004	
0.153	S97
0.282	
0.478	
0.003	90FS02
0.136	R85
0.329	
0.490	
0.005	90FS19
0.151	S01
0.346	
0.509	
0.007	
0.131	S01Dup
0.342	
0.518	
0.286	
0.423	AQC
0.624	
0.807	
-0.005	
0.133	D01
0.331	

0.518

0.286
0.423
0.624
0.807 } AQC

-0.005
0.133
0.331
0.508 } D01

0.013
0.124
0.324
0.477 } SO2

0.016
0.161
0.305
0.470 } SO2 Dup

0.008
0.149
0.268
0.457 } 399 rerun

1.860 - 501 X10
0.651 502 X10
0.667 - 501 X20 } prescreen PESF

0.295
0.514
0.673
0.882 } AQC

JVM
11 Sep 90

BEGIN DATA FILE: SB006.DF

JVM
19 Sept 90

Begin Element - SB
0.969
BEGIN DATA FILE: SB006.DF

Begin Element - SB
-0.004
0.000 AZ
-0.008
0.255
0.513
0.983 } Blank
0.284
0.430
0.571
0.872 } AQC
Ostd. -0.005 } ~~printer off~~ Km
Blank -0.004
0.246
0.522
0.728 } ~~AQC~~, printer off for zero cone Km
0.255
0.420
0.556
0.763 } AQC
0.745
0.275
0.389
0.597
0.753
0.761 } samples out of order
0.266
0.424
0.577
0.777 } AQC
0.325
0.484
0.628
0.754 } 90 OI10 SO1 X25
0.763
0.862
1.018
1.163 } SO1 X 12.5
0.163 ~~out of order~~ Km
0.277
0.436
0.577 } SO2 X 7.1
0.884
1.035
1.157
1.356 } ?
0.798
1.015
1.180
1.292 } ?
0.203
0.320 } SO1 X50

SO1 x50

0.425
0.566

0.272
0.406
0.560
0.755 AQC

0.007
0.136
0.278
0.430 Sample Blank

0.115
0.256
0.406
0.554 SO2 x8.3

0.283
0.421
0.592
0.763 AQC

Jum
11 Sept 90

* FLAMELESS * CSC VERSION 1.00 *

NAME OF ANALYST ---: KGM
DATE OF ANALYSIS --: 07-31-1990
PARAMETER NAME ----: SB
DATA SET # --------: SF7253-56

JVM 11Sep90

SAMPLE NO.	CONC.	R VALUE	SLOPE	
BLANK	6.871648E-02	.9994821	.03056	
AQC	16.40956	.997312	.01841	97%
90FM02R84	.3895299	.9976264	.01566	2u
90FM18S98	.2029139	.9995729	.01577	2u
D98	-.1752005	.999124	.01484	2u
S99	-.3249098	.9940916	.01385	2u
90FF02R83	-.278153	.9967928	.01474	2u
~~90FF18S94~~	~~101~~	~~.3333333~~	~~-2.640264E-05~~	Typo
90FF18S94	.1450279	.9958876	.01517	2u
~~S94 DUP~~	~~-.3024605~~	~~.9910598~~	~~.01587~~	Rlow
AQC	16.55253	.9989311	.01694	97%
S95	-.3356897	.9987612	.01698	2u
D95	-1.114366	.9992733	.01705	2u
S96	-.2243629	.9997496	.0156	2u
S97	-.2192072	.9961534	.01551	2u
~~90FS02R85~~	~~.538619~~	~~.9891359~~	~~.01411~~	Typo
90FS02R85	-.5199538	.9977443	.01654	2u
90FS19S01	-.1933245	.9986289	.01707	2u
S01 DUP	-.6938026	.9953632	.01744	2u
AQC	15.32879	.9972302	.01764	90.5%
D01	-1.082325	.9976606	.01737	2u
S02	-.2700998	.9946542	.01592	2u
S02 DUP	.8034512	.9994528	.01506	2u
S99 RERUN	4.092603E-02	.9953829	.01466	2u
AQC	15.78126	.9982954	.0192	92%
~~BLANK 7/31/90~~	~~1.513464~~	~~.9877134~~	~~.03231~~	Rlow
~~AQC~~	~~13.30708~~	~~.9802969~~	~~.01905~~	AQC out
BLANK	.3186244	.99856	2.448001E-02	
~~AQC~~	~~15.03012~~	~~.9966024~~	~~.0166~~	conc. low
AQC	15.30842	.9979786	1.686001E-02	98%
90OI10S01 X25	23.2774	.9986703	1.431001E-02	
S01 X12.5	55.16968	.9958929	1.355999E-02	
S02 X7.1	10.92791	.9980665	.01401	
~~?~~	~~57.04158~~	~~.9952221~~	~~1.538001E-02~~	uncertain of sample I.D.
~~?~~	~~50.04245~~	~~.9899897~~	~~1.647002E-02~~	
S01 X50	16.70016	.9981864	.01194	
AQC	16.08234	.9963142	.01603	
SAMPLE BLK	7.796149E-02	.9993342	.01411	
S02 X8.3	7.682351	.9999152	.01467	
AQC	16.95221	.9987432	.01611	

BLANK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.000001E-03	2.099976E-03	-5.900025E-03	-280.9569 %
10	.292	.3077	1.569995E-02	5.102358 %
20	.627	.6133	-1.370001E-02	-2.233819 %
30	.915	.9188999	3.899932E-03	.4244131 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.306	.3021	-3.900021E-03	-1.290971 %
10	.469	.4862	1.719999E-02	3.537638 %
20	.693	.6703	-2.270001E-02	-3.386545 %
30	.845	.8544001	9.40001E-03	1.100188 %

JVM
11 Sept 90

90FM02R84

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.012	6.100037E-03	-5.899964E-03	-96.72013 %
10	.146	.1627	1.670002E-02	10.2643 %
20	.335	.3193	-1.570004E-02	-4.91702 %
30	.471	.4759	4.899949E-03	1.029617 %

90FM18S98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	3.199951E-03	-8.00049E-04	-25.00191 %
10	.164	.1609	-3.100053E-03	-1.926696 %
20	.31	.3186	8.599967E-03	2.699299 %
30	.481	.4763	-4.700065E-03	-.9867868 %

D98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	-2.599976E-03	-3.599976E-03	138.4619 %
10	.146	.1458	-2.000034E-04	-.1371765 %
20	.283	.2942	1.119998E-02	3.806928 %
30	.45	.4426	-7.400006E-03	-1.67194 %

S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.014	-.0045	-.0185	411.1112 %
10	.11	.134	2.399998E-02	17.91043 %
20	.265	.2725	7.499963E-03	2.752281 %
30	.424	.4109999	-1.300007E-02	-3.163035 %

90FF02R83

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.01	-4.099975E-03	-1.409998E-02	343.9039 %
10	.127	.1433	1.630001E-02	11.37474 %
20	.281	.2907	9.70003E-03	3.336784 %
30	.45	.4381	-1.190001E-02	-2.716277 %

90FF18S94

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.000001E-03	2.666667E-03	-5.333334E-03	-200 %
10	0	0	0	1.701412E+38 %

0	8.000001E-03	2.666667E-03	-5.333334E-03	-200 %
101	0	0	0	1.701412E+38 %
0	0	2.666667E-03	2.666667E-03	99.99999 %
0	0	2.666667E-03	2.666667E-03	99.99999 %

90FF18S94

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.000001E-03	2.200073E-03	-5.799928E-03	-263.6243 %
10	.158	.1539	-4.09998E-03	-2.664054 %
20	.28	.3056	2.559999E-02	8.376959 %
30	.473	.4573	-1.570004E-02	-3.433205 %

S94 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.016	-4.800049E-03	-2.080005E-02	433.33 %
10	.138	.1539	1.589997E-02	10.33137 %
20	.282	.3126	3.059998E-02	9.788861 %
30	.497	.4713	-2.570003E-02	-5.45301 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.29	.2803999	-9.600103E-03	-3.423719 %
10	.437	.4497999	1.279989E-02	2.845685 %
20	.616	.6191999	3.199875E-03	.5167759 %
30	.795	.7886	-6.400049E-03	-.811571 %

S95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.002	-5.700012E-03	-7.700012E-03	135.0876 %
10	.159	.1641	5.099997E-03	3.107859 %
20	.321	.3339	.0129	3.863431 %
30	.514	.5037001	-1.029998E-02	-2.044864 %

D95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.016	-1.899994E-02	-2.999937E-03	15.7892 %
10	.153	.1515001	-1.499936E-03	-.9900563 %
20	.31	.3220001	1.200005E-02	3.726724 %
30	.5	.4925001	-7.499933E-03	-1.522829 %

S96

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.003	-3.500061E-03	-5.000611E-04	14.28721 %
10	.155	.1525	-2.500042E-03	-1.639373 %
20	.302	.3085	6.499976E-03	2.106962 %
30	.468	.4645	-3.500015E-03	-.7535016 %

S97

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	-3.399902E-03	-7.399903E-03	217.6504 %
10	.153	.1517001	-1.299948E-03	-.8569196 %
20	.282	.3068	.0248	8.083443 %
30	.478	.4619	-1.609999E-02	-3.485601 %

JVM
14 Sept 90

90FS02R85

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	7.599915E-03	4.599915E-03	60.52587 %
10	.136	.1486999	1.269993E-02	8.540644 %
20	.329	.2898	-3.920004E-02	-13.52659 %
30	.409	.4309	.0219	5.082385 %

90FS02R85

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	-8.600037E-03	-1.160004E-02	134.8836 %
10	.136	.1568	2.079998E-02	13.2653 %
20	.329	.3222	-6.799996E-03	-2.110489 %
30	.49	.4876001	-2.399981E-03	-.4922028 %

90FS19S01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.005	-3.300049E-03	-8.30005E-03	251.5129 %
10	.151	.1674	1.639998E-02	9.796882 %
20	.346	.3381	-7.89997E-03	-2.336578 %
30	.509	.5088001	-1.999736E-04	-3.930298E-02 %

S01 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.007	-1.209991E-02	-1.909991E-02	157.8516 %
10	.131	.1623001	3.130005E-02	19.2853 %
20	.342	.3367	-5.299986E-03	-1.574097 %
30	.518	.5111	-6.900013E-03	-1.350032 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.286	.2703999	-1.560012E-02	-5.769276 %
10	.423	.4467999	2.379987E-02	5.32674 %
20	.624	.6231998	-8.001924E-04	-.1284006 %
30	.807	.7995999	-7.400096E-03	-.9254748 %

D01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.005	-1.879999E-02	-1.379999E-02	73.40424 %

DO1

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.005	-1.879999E-02	-1.379999E-02	73.40424 %
10	.133	.1549	2.190001E-02	14.13816 %
20	.331	.3286	-2.399981E-03	-.7303655 %
30	.5080001	.5023001	-5.699992E-03	-1.134778 %

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SO2

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.013	-4.299988E-03	-1.729999E-02	402.3265 %
10	.124	.1549	3.089999E-02	19.94835 %
20	.324	.3141	-9.900034E-03	-3.151873 %
30	.477	.4733	-3.700048E-03	-.7817553 %

SO2 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.016	1.209998E-02	-3.900025E-03	-32.23168 %
10	.161	.1627	1.699999E-03	1.044867 %
20	.305	.3133	8.300006E-03	2.64922 %
30	.47	.4639	-6.099999E-03	-1.314938 %

S99 RERUN

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.000001E-03	5.999756E-04	-7.400025E-03	-1233.388 %
10	.149	.1472	-1.800031E-03	-1.222847 %
20	.268	.2938	2.579996E-02	8.781471 %
30	.457	.4404	-1.660001E-02	-3.769304 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.295	.3030001	8.000136E-03	2.640308 %
10	.514	.4950001	-1.899991E-02	-3.838364 %
20	.673	.6870001	1.400006E-02	2.037854 %
30	.882	.8790001	-2.999962E-03	-.3412925 %

BLANK 7/31/90

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-8.000001E-03	-4.890003E-02	-4.090002E-02	83.64008 %
10	.255	.2742	1.919997E-02	7.002177 %
20	.513	.5973	8.429992E-02	14.1135 %
30	.983	.9203999	-6.260008E-02	-6.8014 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.284	.2535	-3.050003E-02	-12.03157 %
10	.43	.444	.014	3.153153 %
20	.571	.6345	6.350005E-02	10.00789 %
30	.872	.8250001	-4.699993E-02	-5.696961 %

JM
11 Sept 90

BLANK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	7.799927E-03	3.799927E-03	48.71747 %
10	.246	.2526	6.599948E-03	2.612806 %
20	.522	.4974	-2.460003E-02	-4.945724 %
30	.728	.7422	1.420003E-02	1.913235 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.255	.2495	-5.499989E-03	-2.204404 %
10	.42	.4155	-4.500002E-03	-1.083033 %
20	.556	.5815	2.549994E-02	4.385201 %
30	.763	.7475	-1.550007E-02	-2.073588 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.266	.2581	-7.90003E-03	-3.060841 %
10	.424	.4267001	2.700031E-03	.6327703 %
20	.577	.5953001	1.830006E-02	3.074089 %
30	.777	.7639001	-1.309991E-02	-1.714872 %

90DI10S01 X25

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.325	.3330999	8.099854E-03	2.43166 %
10	.484	.4762	-7.800013E-03	-1.63797 %
20	.628	.6193001	-8.699894E-03	-1.404795 %
30	.754	.7624002	8.400202E-03	1.10181 %

S01 X12.5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.763	.7481003	-1.489979E-02	-1.991684 %
10	.862	.8837001	2.170015E-02	2.4556 %
20	1.018	1.0193	1.299977E-03	.1275363 %
30	1.163	1.1549	-8.100152E-03	-.7013727 %

S02 X7.1

SPIKE	MEASURED	CALC.	ERROR	PER CENT

0	.763	.7481003	-1.489979E-02	-1.991684 %
10	.862	.8837001	2.170015E-02	2.4556 %
20	1.018	1.0193	1.299977E-03	.1275363 %
30	1.163	1.1549	-8.100152E-03	-.7013727 %

S02 X7.1

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.163	.1531	-9.899959E-03	-6.466334 %
10	.277	.2932	1.620001E-02	5.525241 %
20	.436	.4333	-2.699971E-03	-.6231182 %
30	.577	.5734	-3.600001E-03	-.6278342 %

NM
11/49

?

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.884	.8772998	-6.700218E-03	-.7637318 %
10	1.035	1.0311	-3.90017E-03	-.3782534 %
20	1.157	1.1849	2.789986E-02	2.354618 %
30	1.356	1.3387	-1.730001E-02	-1.292299 %

?

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.798	.8242	2.619994E-02	3.178833 %
10	1.015	.9889001	-2.609992E-02	-2.639288 %
20	1.18	1.1536	-2.639973E-02	-2.288465 %
30	1.292	1.318301	2.630043E-02	1.995025 %

S01 X50

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.203	.1993999	-3.600091E-03	-1.805463 %
10	.32	.3187999	-1.20008E-03	-.3764367 %
20	.425	.4382	1.319993E-02	3.012307 %
30	.566	.5576	-8.400023E-03	-1.50646 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.272	.2577999	-1.420009E-02	-5.508183 %
10	.406	.4181	1.209995E-02	2.894033 %
20	.56	.5784	1.839995E-02	3.181182 %
30	.755	.7387001	-1.629996E-02	-2.206574 %

SAMPLE BLK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.007	1.100037E-03	-5.899964E-03	-536.3425 %
10	.136	.1422	6.200016E-03	4.360067 %
20	.278	.2833	5.300015E-03	1.870814 %
30	.43	.4244	-5.600006E-03	-1.319511 %

SO2 X8.3

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.115	.1127001	-2.299927E-03	-2.04075 %
10	.256	.2594001	3.400058E-03	1.310739 %
20	.406	.4061	1.000464E-04	.0246359 %
30	.554	.5528	-1.20002E-03	-.2170804 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.283	.2731001	-9.899884E-03	-3.625002 %
10	.421	.4342001	1.320008E-02	3.04009 %
20	.592	.5953001	3.300071E-03	.5543542 %
30	.763	.7564	-6.600023E-03	-.8725572 %

BEGIN DATA FILE: SE001.DF

SF7253 - SF7256.

Analyst: H. Pham.

7/17/90.

Begin Element - SE

0.002
0.000 AZ
-0.001
0.105
0.226
0.330
0.252
0.368
0.484
0.581
-0.001
0.112
0.234
0.336
-0.001
0.115
0.236
0.358
-0.001
0.108
0.228
0.332
-0.004
0.092
0.201
0.299
-0.001
0.092
0.185
0.277
0.004
0.098
0.191
0.275
0.001
0.086
0.168
0.263
~~0.183~~
~~0.277~~
~~0.355~~
~~0.449~~
~~0.184~~
~~0.271~~
0.270
0.399
0.518
0.631
0.001
0.099
0.233
0.404
0.004
0.128

BMK.

ADC

~~90FF02~~
~~R83~~

90FF18
S94

HP.

S95

S96

S97

D95 2

S97 dup.

error cups entry
20std.

ADC.

FM18
S98

11 Sept 90

0.270
0.403

-0.005
0.117
0.245
0.381 D98

-0.004
0.110
0.240
0.356 R84

-0.005
0.103
0.228
0.346 98 dup.

-0.004
0.117
0.241
0.340 R85

-0.004
0.095
0.211
0.318 S01

0.222
0.309
0.417
0.512 ADC. (out).

0.222
0.317
0.413
0.503 ADC.

0.011
0.101
0.218
0.326 S98

-0.006
0.089
0.183
0.292 S99

-0.002
0.119
0.247
0.372 D98

-0.001
0.135
0.252
0.390 R84

0.005
0.123
0.248
0.356 S98 dup.

0.004
0.124
0.240
0.348 R84

~~0.182~~
~~0.270~~
~~0.356~~
~~0.433~~ error caps entries.

0.186
0.259

JVM
19 Sept 90

0.331	A&C.
0.408	
-0.003	90FS02 R85
0.075	
0.165	
0.275	
-0.001	FS19S01
0.109	
0.228	
0.359	
0.001	S02
0.116	
0.240	
0.345	
0.003	D01
0.089	
0.192	
0.263	
0.006	S01 dup.
0.106	
0.240	
0.311	
0.194	A&C
0.267	
0.331	
0.400	

JVM
19Sep90

* FLAMELESS * CSC VERSION 1.00 *

NAME OF ANALYST ---: HP
DATE OF ANALYSIS --: 07-20-1990
PARAMETER NAME ----: SE
DATA SET # --------: SF7253-7256

JWM 11 Sep 90

SAMPLE NO.	CONC.	R VALUE	SLOPE	
BLK	-.1885131	.9995796	.01114	limit ≤2.0
AQC TV=25.00	23.1913	.9991112	.01103	93% rec. limit 100±10%
90FF02R83	.02648	.9994372	.01133	
FF18S94	-.2253766	.9999317	.01198	
S95	-9.829718E-02	.9996593	.01119	
S96	-.5599196	.9997126	.01018	
S97	-8.630516E-02	.9999964	.00927	
D95	.6732899	.9996566	9.059999E-03	
S97 DUP.	-8.064656E-02	.9994987	8.680001E-03	
AQC TV=25.00	22.812	.9995528	.01202	91% rec. limit 100±10
AQC TV=25.00	23.73802	.9999015	9.389999E-03	95% rec. limit 100±
SF7253 FM18S98	.4425624	.99871	.01062	
S99	-.8805681	.9993675	9.879999E-03	
D98	-.28	.9999425	.0125	
R84	3.875969E-02	.9995137	.0129	
S98 DUP.	.5348036	.9996126	.01178	
AQC TV=25.00	25.1084	.9998939	7.380001E-03	100% rec. limit 100±1
90FS02R85	-1.147184	.9969779	9.239999E-03	
FS19S01	-.5087529	.9992309	.01199	
S02	.1816641	.99952	.01156	
D01	.4869749	.9977466	.00883	
~~S01 DUP.~~	~~.8007621~~	~~.9938709~~	~~.01049~~ HP.	
AQC TV=25.00	28.69502	.9997046	.00682*	114% rec. limit 100±10%

*The AQC recovery is outside of the control window (114%); but all the samples concentr are less than I.D.L (2ppb). Therefore, all the data are acceptable.

BLK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-2.100037E-03	-1.100036E-03	52.38178 %
10	.105	.1093	4.299976E-03	3.934105 %
20	.226	.2207	-5.300015E-03	-2.401457 %
30	.33	.3321	2.099961E-03	.632328 %

AQC TV=25.00

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.252	.2558001	3.800035E-03	1.485549 %
10	.368	.3661	-1.899988E-03	-.5189805 %
20	.484	.4764	-7.59998E-03	-1.595294 %
30	.581	.5867	5.699992E-03	.9715344 %

90FF02R83

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	3.000183E-04	1.300018E-03	433.313 %
10	.112	.1136	1.599997E-03	1.408448 %
20	.234	.2269	-7.100016E-03	-3.129139 %
30	.336	.3402	4.199982E-03	1.234563 %

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-2.700012E-03	-1.700012E-03	62.96313 %
10	.115	.1171	2.099998E-03	1.793338 %
20	.236	.2369	9.000003E-04	.3799073 %
30	.358	.3567	-1.299977E-03	-.3644455 %

JVM
9/Sep/90

S95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-1.099945E-03	-9.9945E-05	9.086363 %
10	.108	.1108	2.800018E-03	2.527091 %
20	.228	.2227	-5.300015E-03	-2.37989 %
30	.332	.3346	2.599955E-03	.7770338 %

S96

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.004	-5.699982E-03	-1.699981E-03	29.82433 %
10	.092	9.610002E-02	4.100017E-03	4.266406 %
20	.201	.1979	-3.099978E-03	-1.566436 %
30	.299	.2997	7.000268E-04	.2335758 %

S97

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-8.000488E-04	1.999512E-04	-24.99238 %
10	.092	9.189996E-02	-1.000464E-04	-.1088645 %
20	.185	.1846	-4.000366E-04	-.2167046 %
30	.277	.2773	2.999604E-04	.1081718 %

D95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	6.100006E-03	2.100006E-03	34.42629 %
10	.098	.0967	-.0013	-1.344364 %
20	.191	.1873	-3.700018E-03	-1.97545 %
30	.275	.2779	2.899975E-03	1.043532 %

S97 DUP.

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	-7.000122E-04	-1.700012E-03	242.8547 %
10	.086	.0861	9.999424E-05	.1161373 %
20	.168	.1729	4.900009E-03	2.834013 %
30	.263	.2597	-3.300011E-03	-1.270701 %

AQC TV=25.00

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.27	.2742002	4.200131E-03	1.531776 %
10	.399	.3944001	-4.59987E-03	-1.166295 %

20	.518	.5146001	-3.399968E-03	-.6607011 %
30	.631	.6348001	3.800094E-03	.5986285 %

AQC TV=25.00

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.222	.2229	8.999556E-04	.4037487 %
10	.317	.3168	-2.00063E-04	-6.315121E-02 %
20	.413	.4107	-2.300024E-03	-.5600254 %
30	.5030001	.5046	1.599908E-03	.3170646 %

FM18S98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.011	4.700012E-03	-6.299988E-03	-134.042 %
10	.101	.1109	9.899996E-03	8.926958 %
20	.218	.2171	-9.000152E-04	-.4145626 %
30	.326	.3233	-2.700031E-03	-.8351473 %

S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.006	-8.700012E-03	-2.700012E-03	31.03458 %
10	.089	9.009998E-02	1.099974E-03	1.220837 %
20	.183	.1889	5.899966E-03	3.123328 %
30	.292	.2877	-4.300058E-03	-1.494633 %

D98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.002	-.0035	-.0015	42.85715 %
10	.119	.1215	2.500013E-03	2.057623 %
20	.247	.2465	-4.999787E-04	-.2028311 %
30	.372	.3715001	-4.999638E-04	-.1345797 %

R84

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	.0005	.0015	300 %
10	.135	.1295	-5.500019E-03	-4.247119 %
20	.252	.2585	6.499976E-03	2.514498 %
30	.39	.3875	-2.499998E-03	-.6451607 %

S98 DUP.

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.005	6.299988E-03	1.299988E-03	20.63477 %
10	.123	.1241	1.100004E-03	.8863849 %
20	.248	.2419	-6.099969E-03	-2.52169 %
30	.356	.3597001	3.700048E-03	1.028648 %

AQC TV=25.00

AQC TV=25.00

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.186	.1853	-7.000119E-04	-.3777722 %
10	.259	.2591	1.000166E-04	3.860154E-02 %
20	.331	.3329	1.900017E-03	.5707471 %
30	.408	.4067	-1.299977E-03	-.3196404 %

JVM
9/Sep/90

90FS02R85

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.003	-1.059998E-02	-7.599976E-03	71.69805 %
10	.075	8.180002E-02	6.800019E-03	8.312979 %
20	.165	.1742	9.200022E-03	5.281297 %
30	.275	.2666	-8.399993E-03	-3.150785 %

FS19S01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-6.099945E-03	-5.099945E-03	83.60641 %
10	.109	.1138	4.800014E-03	4.217939 %
20	.228	.2337	5.699978E-03	2.439015 %
30	.359	.3535999	-5.400062E-03	-1.527167 %

S02

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	2.100037E-03	1.100036E-03	52.38178 %
10	.116	.1177	1.700014E-03	1.444362 %
20	.24	.2333	-6.700009E-03	-2.871843 %
30	.345	.3489	3.899992E-03	1.117796 %

D01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	4.299988E-03	1.299988E-03	30.23236 %
10	.089	9.259999E-02	3.599987E-03	3.887675 %
20	.192	.1809	-1.110002E-02	-6.136001 %
30	.263	.2692	6.199986E-03	2.303115 %

S01 DUP.

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.006	8.399994E-03	2.399994E-03	28.57138 %
10	.106	.1133	7.29999E-03	6.443063 %
20	.24	.2182	-2.180001E-02	-9.990841 %
30	.311	.3231	1.209998E-02	3.744965 %

AQC TV=25.00

SPIKE	MEASURED	CALC.	ERROR	PER CENT

0	.194	.1957	1.700014E-03	.8686836 %
10	.267	.2639	-3.099978E-03	-1.174679 %
20	.331	.3321	1.100034E-03	.3312356 %
30	.4	.4003	3.0002E-04	7.494878E-02 %

Jm
9/15/90

BEGIN DATA FILE: TL003.DF

Begin Element - TL

0.003	
0.000 AZ	
-0.004	
0. S1	
0.007	
-0.002	Blank
0.190	
0.387	
0.576	
0.243	AQC
0.336	
0.444	
0.543	
0.004	S99
0.023	
0.060	
0.097	
0.004	S94
0.029	
0.081	
0.109	
0.007	S96
0.045	
0.080	
0.132	
0.009	SO2
0.037	
0.089	
0.136	
-0.003	SO_2 Dup
0.040	
0.069	
0.126	
0.239	AQC
0.348	
0.434	
0.538	
0.002	S99X2
0.037	
0.083	
0.126	
0.003	S94X2
0.060	
0.094	
0.133	
0.010	SO2X2
0.046	
0.108	
0.184	
0.003	

0.069
0.126

0.239
0.348
0.434
0.538 AQC

0.002
0.037
0.083
0.126 S99X2

0.003
0.060
0.094
0.133 S94X2

0.010
0.046
0.108
0.184 SO2X2

0.003
0.051
0.118
0.182 SO2DupX2

0.247
0.370
0.452
0.565 AQC

0.005
0.068
0.127
0.163 S94X5

0.013
0.064
0.135
0.222 SO2X5

-0.004
0.054
0.135
0.204 SO2DupX5

0.056
0.141
0.197
0.002 S94X10

0.000
0.085
0.179
0.273 SO2X10

0.004
0.088
0.178
0.288 SO2DupX10

0.256
0.343
0.466
0.550 AQC

55.55555

5

5

BEGIN DATA FILE: TL001.DF

Begin Element - TL

-0.026

0.000 AZ

0.019
0.612
1.064
1.581 } Blank

0.745
0.913
1.287
1.533 } AQC

BEGIN DATA FILE: TL002.DF

Begin Element - TL

-0.031

0.000 AZ

0.014
0.610
1.104
1.656 } Blank

0.693
1.013
1.223
1.470 } AQC

0.663
0.940
1.220
1.431 } AQC rerun

-0.001
0.181
0.347
0.578 } R84 Expansion to 2

0.018
0.077
0.156
0.317 } 598 see rerun

-0.005
0.081
0.170
0.283 } D98

0.016
0.060
0.104
0.121 } 599 see rerun

0.024
0.175
0.368
0.575 } R85

-0.005
0.101
0.232
0.332 } FS19S01

0.016
0.093 } S01 Dup

0.575
-0.005
0.101 } FS19S01
0.232
0.332
0.016
0.093
} S01 Dup
0.212
0.319
0.467
0.675 } AQC
0.852
1.013
0.001
0.108 } D01
0.211
0.329
-0.000
0.072
0.155 } S02 see rerun
0.281
0.010
0.215 } R13
0.442
0.601
0.019
0.069 } S94 see rerun
0.160
0.236
0.011
0.065 } S95 see rerun
0.166
0.264
0.001
0.034 } S96 see rerun
0.118
0.221
0.006
0.064 } S96 Dup
0.139
0.192
0.538
0.739 } AQC
0.958
1.118
0.481
0.695
0.959
1.122
0.502
0.700
0.958
1.104
0.453
0.671 } AQC
0.870
1.061
-0.009
0.075 } D15

0.453
0.671
0.870
1.061
AQC

-0.009
0.075
0.188
0.288
D95

0.001
0.071
0.111
0.183
S97

0.010
0.007
CD10S01 see rerun
0.018
0.011

0.012
0.003
0.013
0.030
S01 Pnp see rerun

0.052
0.062
0.113
0.145
S01 spk X3 see rerun

0.007
0.013
0.026
0.023
CG10S01 see rerun

0.007
0.158
0.300
0.479
CG10R01

0.508
0.737
0.942
1.132
AQC

0.003
0.103
0.207
0.288
S98

0.006
0.035
0.119
0.185
S99 see rerun

0.012
0.097
0.186
0.329
FS19S02 see rerun

0.008
0.068
0.133
0.240
S94 see rerun

-0.005
0.080
0.169
0.281
S95

0.014
0.059
0.132
S96 see rerun

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0.155	
0.240	
0.005	S95
0.080	
0.169	
0.281	
0.014	S96 see rerun
0.059	
0.132	
0.212	
0.008	S96Dup
0.075	
0.153	
0.215	
0.551	AQC
0.764	
1.001	
1.168	
0.003	CD10S01X10
0.058	
0.114	
0.171	
0.006	S01DupX10
0.057	
0.116	
0.208	
0.025	S01 spk X10
0.100	
0.168	
0.230	
0.011	CG10S01 X10
0.054	
0.141	
0.189	
0.639	AQC
0.809	
1.415	
1.094	
0.594	AQC
0.878	
1.119	
1.356	
0.004	S99
0.100	
0.170	
0.235	
0.009	S02
0.097	
0.253	
0.381	
0.019	S95
0.113	
0.204	
0.364	
0.005	S95Dup
0.105	
0.238	

See rerun

[redacted]

* FLAMELESS * CSC VERSION 1.00 *

NAME OF ANALYST ---: KGM
DATE OF ANALYSIS --: 07-27-1990
PARAMETER NAME ----: TL
DATA SET # --------: SF7254-56 CD0721

SAMPLE NO.	CONC.	R VALUE	SLOPE	
BLANK	.9400506	.998652	5.138001E-02	
~~AQC~~	~~25.8875~~	~~.9906622~~	~~2.738001E-02~~	KM Rlow
BLANK	.6088515	.9994	5.420001E-02	
~~AQC~~	~~-3.417428~~	~~.1650671~~	~~-6.471995~~	KM Typo
~~AQC~~	~~28.2802~~	~~.9962839~~	~~2.541001E-02~~	KM AQC out
AQC	26.1571	.9979858	2.584001E-02	— 104.6%
~~90FM02R84~~	~~-1.339654~~	~~-.268771~~	~~-14.10896~~	KM Typo
SF7253 90FM02R84	-.4834479	.9974464	.01903	
~~90FM18S98~~	~~-.4508221~~	~~.9719071~~	~~9.760002E-03~~	KM Rlow
D98	-1.122772	.997758	9.529999E-03	
~~S99~~	~~6.89076~~	~~.9819884~~	~~3.085185E-03~~	KM Rlow
90FS02R85	.4658675	.997593	.01846	
90FS19S01	-.5516628	.998731	.01142	
S01 DUP	.5642041	.9965095	.01028	
AQC	26.41873	.9982935	.01815	— 105.7%
90FS19D01	-7.359874E-02	.9995914	.01087	
~~S02~~	~~-1.285094~~	~~.9910237~~	~~9.259997E-03~~	KM
90FF02R83	.849997	.9976731	.02	
~~90FF18S94~~	~~1.411452~~	~~.9926926~~	~~.00751~~	KM
~~S95~~	~~-.2906977~~	~~.9918661~~	~~9.599999E-03~~	KM

S01 DUP	.5642041	.9965095	.01028
AQC	26.41873	.9982935	.01815
90FS19D01	-7.359874E-02	.9995914	.01087
~~S02~~	~~-1.285664~~	~~[illegible]~~	~~[illegible]~~
90FF02R83	.8499976	.9976[illegible]	[illegible]
~~90FF18S94~~	~~1.411455~~	~~.9979928~~	~~[illegible]~~
~~S95~~	~~-2.298947~~	~~.9918681~~	~~8.539999E-03~~ KM
~~S96~~	~~-2.432793~~	~~.9777124~~	~~.00744~~ KM
S96 DUP	.837276	.9979522	6.330001E-03
AQC	27.78968	.9981371	.01959 High Bias
~~AQC~~	~~22.23136~~	~~.9962775~~	~~.02187~~ AQC out
~~AQC~~	~~-3.505506~~	~~.1156952~~	~~-5.577234~~ Typo
~~AQC~~	~~24.53489~~	~~.9949791~~	~~.02064~~ Rout
AQC	22.75333	.9995404	.02023
90FF18D95	-1.503985	.9984936	.01004
~~S97~~	~~.6143355~~	~~.9944208~~	~~5.860001E-03~~ Rlow
~~90CD10S01~~	~~67.14288~~	~~.3882903~~	~~.00014~~ Rlow
~~S01 DUP~~	~~7.656254~~	~~.7331663~~	~~6.399999E-04~~ Rlow
~~S01 SPK X3~~	~~13.18182~~	~~.9734536~~	~~.0033~~ Rlow
~~90CG10S01~~	~~13.27869~~	~~.8940665~~	~~6.099999E-04~~ Rlow
90CG10R01	.1476243	.9987591	.01558
AQC	24.94945	.9991109	.02077 — 99.8%
90FM18S98	.6673581	.9986251	.00959
~~S99~~	~~1.111115~~	~~.9845801~~	~~6.210001E-03~~ Rlow
~~90FS19S02~~	~~2.934383E-06~~	~~.9911866~~	~~.0104~~ Rlow KM
~~90FF18S94~~	~~-.2496747~~	~~.9894513~~	~~.00761~~ Rlow
~~S95~~	~~-.6695857~~	~~-.2644575~~	~~-27.86365~~ Typo
S95	-1.140446	.9977739	.00947
~~S96~~	~~.6296825~~	~~.9927014~~	~~.00667~~ Rlow
S96 DUP	1.130185	.9991271	6.990001E-03
AQC	26.71456	.997781	2.088001E-02
90CD10S01 X10	.4464314	.9999682	.0056
~~S01 DUP X10~~	~~-.4511278~~	~~.9899459~~	~~6.650001E-03~~ Rlow
S01 SPK X10	4.143483	.9990945	.00683
~~90CG10S01 X10~~	~~-.9017671~~	~~.9910282~~	~~6.210002E-03~~ Rlow
~~AQC~~	~~35.19074~~	~~.7477495~~	~~1.971001E-02~~ Rlow
AQC	24.04829	.9990178	2.526999E-02
~~90FM18S99~~ FF18S97 KM	1.677583	.9955247	7.630001E-03
~~90FS19S02~~	~~-.374414~~	~~.9938582~~	~~.01282~~ Rlow
~~90FF18S95~~	~~-.5417384~~	~~.9895332~~	~~.01126~~ Rlow
~~S95 DUP~~	~~58.72873~~	~~.1364039~~	~~1.180001E-03~~ Rlow
BLANK	-9.839272E-02	.9999714	.01931
AQC	23.83929	.9996285	.01008
~~90FM18S99~~	~~-.4430408~~	~~.9904058~~	~~.00316~~ Rlow
~~90FF18S94~~	~~.1907349~~	~~.9903199~~	~~.00367~~ Rlow
S96	1.097561	.9959203	4.100001E-03
~~90FS19S02~~	~~.646652~~	~~.9930178~~	~~.00433~~ Rlow
~~S02 DUP~~	~~-1.057695~~	~~.992165~~	~~.00416~~ Rlow
~~AQC~~	~~-10~~	~~.3333333~~	~~-7.866667E-03~~ Typo
AQC	24.64905	.9990674	9.829998E-03 — 98.6%
90FM18S99 X2	-.167467	.9985267	.00418
~~90FF18S94 X2~~	~~2.099063~~	~~.9933803~~	~~4.239999E-03~~ Rlow
~~90FS19S02 X2~~	~~-.1027434~~	~~.9882703~~	~~5.840001E-03~~ Rlow
S02 DUP X2	-.3476831	.9975909	6.040001E-03
AQC	25.35787	.9971261	.01006 — 101.4%
~~90FF18S94~~	~~1~~	~~1.701412E+38~~	~~1.701412E+38~~ Rlow
~~90FF18S94 X5~~	~~2.026274~~	~~.9930233~~	~~5.329998E-03~~ Rlow
~~90FS19S02 X5~~	~~1.11283~~	~~.9973281~~	~~.00647~~ Typo
~~90FS19S02 X5~~	~~.5444153~~	~~.9933974~~	~~.00698~~ Rlow
S02 DUP X5	-1.205674	.998164	7.049999E-03
90FF18S94	-.2238806	.9959922	.0067
90FS19S02 X10	-.295733	.9997086	9.130001E-03
S02 DUP X10	-.1910847	.9979912	.00942
AQC	25.17413	.9972048	.01005

SO2 DUP X10	-.1910847	.9979912	.00942
AQC	25.17413	.9972048	.01005

BLANK

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SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.019	4.829981E-02	2.929981E-02	60.66237 %
10	.612	.5620998	-4.990018E-02	-8.877458 %
20	1.064	1.0759	1.189983E-02	1.106035 %
30	1.581	1.5897	8.700013E-03	.5472739 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.745	.7087998	-3.620023E-02	-5.107257 %
10	.913	.9825999	6.959987E-02	7.083236 %
20	1.287	1.2564	-3.060007E-02	-2.435536 %
30	1.533	1.5302	-2.799988E-03	-.1829818 %

BLANK

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.014	3.299976E-02	1.899975E-02	57.57544 %
10	.61	.5749998	-3.500021E-02	-6.086994 %
20	1.104	1.117	1.299989E-02	1.163822 %
30	1.656	1.659	2.999902E-03	.1808259 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
.693	10	17.63249	7.632487	43.28651 %
1.013	20	15.56145	-4.438553	-28.52275 %
1.223	30	14.20233	-15.79767	-111.233 %
1.47	0	12.60375	12.60375	100 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.693	.7185999	2.559984E-02	3.562461 %
10	1.013	.9726999	-4.030013E-02	-4.143121 %
20	1.223	1.2268	3.799915E-03	.309742 %
30	1.47	1.4809	1.090002E-02	.7360403 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.663	.6758996	1.289964E-02	1.908514 %
10	.94	.9342997	-5.70029E-03	-.6101137 %
20	1.22	1.1927	-2.730012E-02	-2.288935 %
30	1.431	1.4511	2.009988E-02	1.385148 %

0	.663	.6758996	1.289964E-02	1.908514 %
10	.94	.9342997	-5.70029E-03	-.6101137 %
20	1.22	1.1927	-2.730012E-02	-2.288935 %
30	1.431	1.4511	2.009988E-02	1.385148 %

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90FM02R84

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	10	18.90112	8.901123	47.09309 %
.181	20	16.3474	-3.652598	-22.34359 %
.347	30	14.00532	-15.99468	-114.2044 %
.578	0	10.74615	10.74615	100 %

90FM02R84

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.001	-9.200012E-03	-8.200012E-03	89.13045 %
10	.181	.1811	9.998679E-05	5.521083E-02 %
20	.347	.3714	2.439997E-02	6.569728 %
30	.578	.5617	-1.630008E-02	-2.90192 %

90FM18S98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.018	-4.400024E-03	-2.240002E-02	509.0887 %
10	.077	9.319999E-02	1.619999E-02	17.38197 %
20	.156	.1908	3.479999E-02	18.23899 %
30	.317	.2884	-2.860001E-02	-9.916784 %

D98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.005	-1.070001E-02	-5.700012E-03	53.27108 %
10	.081	8.459999E-02	3.599987E-03	4.255304 %
20	.17	.1799	9.899974E-03	5.503044 %
30	.283	.2752	-7.800013E-03	-2.834307 %

S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.016	2.125927E-02	5.259268E-03	24.73871 %
10	.06	5.211112E-02	-7.88888E-03	-15.13857 %
30	.104	.1138148	9.814821E-03	8.6235 %
30	.121	.1138148	-7.185176E-03	-6.313041 %

90FS02R85

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.024	8.599914E-03	-1.540009E-02	-179.0725 %
10	.175	.1931999	1.819994E-02	9.420259 %
20	.368	.3778	9.799958E-03	2.593954 %
30	.575	.5624	-1.260001E-02	-2.240399 %

10	.175	.1931999	1.819994E-02	9.420259 %
20	.368	.3778	9.799958E-03	2.593954 %
30	.575	.5624	-1.260001E-02	-2.240399 %

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90FS19S01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.005	-6.299988E-03	-1.299988E-03	20.63477 %
10	.101	.1079	6.89999E-03	6.394801 %
20	.232	.2221	-9.900019E-03	-4.457461 %
30	.332	.3363	4.299969E-03	1.278611 %

S01 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.016	5.800018E-03	-1.019998E-02	-175.8612 %
10	.093	.1086	1.560003E-02	14.36466 %
20	.212	.2114001	-5.999506E-04	-.2837987 %
30	.319	.3142001	-4.799962E-03	-1.527677 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.467	.4794999	1.249987E-02	2.606856 %
10	.675	.6609999	-1.400012E-02	-2.118021 %
20	.852	.8424999	-9.500086E-03	-1.127607 %
30	1.013	1.024	1.099992E-02	1.074211 %

90FS19D01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	-8.000183E-04	-1.800018E-03	224.9972 %
10	.108	.1079	-1.000166E-04	-.0926938 %
20	.211	.2166	5.600006E-03	2.585414 %
30	.329	.3253	-3.699988E-03	-1.137408 %

S02

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	0	-1.189996E-02	-1.189996E-02	99.99999 %
10	.072	8.070001E-02	8.700013E-03	10.78068 %
20	.155	.1733	1.829998E-02	10.55971 %
30	.281	.2659	-1.510003E-02	-5.67884 %

90FF02R83

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.01	1.699994E-02	6.99994E-03	41.17626 %
10	.215	.2169999	1.99993E-03	.9216268 %
20	.442	.4169999	-.0250001	-5.995228 %
30	.601	.617	1.599991E-02	2.593179 %

90FF18S94

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.019	1.060001E-02	-8.399993E-03	-79.24517 %
10	.069	8.570001E-02	1.670001E-02	19.48659 %
20	.169	.1608	-8.200005E-03	-5.099506 %
30	.236	.2359	-1.000166E-04	-4.239788E-02 %

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S95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.011	-.0025	-.0135	540 %
10	.065	.0835	.0185	22.15569 %
20	.166	.1695	.0035	2.064897 %
30	.264	.2555	-8.50001E-03	-3.326814 %

S96

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	-1.809998E-02	-1.909998E-02	105.5249 %
10	.034	5.630002E-02	2.230002E-02	39.60925 %
20	.118	.1307	1.270001E-02	9.716913 %
30	.221	.2051	-.0159	-7.752317 %

S96 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.006	5.299958E-03	-7.000426E-04	-13.20846 %
10	.064	6.859996E-02	4.599959E-03	6.705483 %
20	.139	.1319	-7.100031E-03	-5.38289 %
30	.192	.1952	3.19998E-03	1.639334 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.538	.5444	6.39993E-03	1.175593 %
10	.739	.7403	1.299918E-03	.1755934 %
20	.958	.9362	-2.179998E-02	-2.32856 %
30	1.118	1.1321	1.410008E-02	1.24548 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.481	.4861999	5.19982E-03	1.069482 %
10	.695	.7048999	9.899854E-03	1.404434 %
20	.959	.9235998	-3.540015E-02	-3.832845 %
30	1.122	1.1423	2.029991E-02	1.777109 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
.502	10	14.75124	4.751255	[illegible] %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.502	.5064002	4.400194E-03	.8689163 %
10	.7	.7128001	1.280016E-02	1.795757 %
20	.958	.9192002	-3.879982E-02	-4.221042 %
30	1.104	1.1256	2.160013E-02	1.918988 %

JVT
11/9/90

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.453	.4602999	.0072999	1.585901 %
10	.671	.6626	-8.400082E-03	-1.267746 %
20	.87	.8649	-5.100012E-03	-.589665 %
30	1.061	1.0672	6.199956E-03	.5809554 %

90FF18D95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-8.999999E-03	-1.510001E-02	-6.100007E-03	40.39738 %
10	.075	8.529998E-02	1.029998E-02	12.07501 %
20	.188	.1857	-2.300009E-03	-1.238562 %
30	.288	.2861	-1.900017E-03	-.6641096 %

S97

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.001	3.600006E-03	2.600006E-03	72.22227 %
10	.071	6.220001E-02	-8.799992E-03	-14.1479 %
20	.111	.1208	9.800017E-03	8.112596 %
30	.183	.1794	-3.599987E-03	-2.006681 %

90CD10S01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.01	9.400002E-03	-5.999981E-04	-6.382957 %
10	.007	.0108	3.800002E-03	35.1852 %
20	.018	.0122	-5.799998E-03	-47.54096 %
30	.011	.0136	2.600001E-03	19.11765 %

S01 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.012	4.900002E-03	-7.099999E-03	-144.8979 %
10	.003	.0113	8.299999E-03	73.45133 %
20	.013	.0177	4.699998E-03	26.55366 %
30	.03	.0241	-5.900003E-03	-24.48134 %

S01 SPK X3

SPIKE	MEASURED	CALC.	ERROR	PER CENT

30	.03	.0241	-3.900003E-03	-24.40134 %

S01 SPK X3

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.052	.0435	-8.500002E-03	-19.54024 %
10	.062	.0765	.0145	18.95425 %
20	.113	.1095	-3.499992E-03	-3.19634 %
30	.145	.1425	-2.499983E-03	-1.754374 %

90CG10S01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.007	8.100002E-03	1.100002E-03	13.58027 %
10	.013	.0142	1.200001E-03	8.450709 %
20	.026	.0203	-.0057	-28.07881 %
30	.023	.0264	.0034	12.87879 %

90CG10R01

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.007	2.299988E-03	-4.700013E-03	-204.3495 %
10	.158	.1581	1.000017E-04	6.325218E-02 %
20	.3	.3139	1.390001E-02	4.428166 %
30	.479	.4697001	-9.299934E-03	-1.979973 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.5080001	.5182001	1.020002E-02	1.968356 %
10	.737	.7259	-1.109999E-02	-1.529136 %
20	.942	.9335999	-8.400023E-03	-.8997454 %
30	1.132	1.1413	9.299994E-03	.8148597 %

90FM18S98

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	6.399964E-03	3.399964E-03	53.12473 %
10	.103	.1023	-7.000342E-04	-.6842956 %
20	.207	.1982	-8.800044E-03	-4.439983 %
30	.288	.2941	6.099969E-03	2.074114 %

S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.006	-6.900025E-03	-1.290003E-02	186.9562 %
10	.035	5.519999E-02	2.019999E-02	36.59419 %
20	.119	.1173	-1.700006E-03	-1.449281 %
30	.185	.1794	-5.599991E-03	-3.121511 %

90FS19S02

SPIKE	MEASURED	CALC.	ERROR	PER CENT

20	.186	.208	2.199997E-02	10.57691 %
30	.329	.312	-1.700005E-02	-5.448735 %

90FF18S94

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SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.000001E-03	-1.900024E-03	-9.900025E-03	521.0473 %
10	6.800001E-02	7.419998E-02	6.199971E-03	8.355759 %
20	.133	.1503	1.729997E-02	11.51029 %
30	.24	.2264	-1.360004E-02	-6.007085 %

S95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
-.005	10	18.79642	8.796419	46.79838 %
.08	20	16.42801	-3.571991	-21.7433 %
.169	30	13.94814	-16.05186	-115.0824 %
.281	0	10.82742	10.82742	100 %

S95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.005	-1.080002E-02	-5.800018E-03	53.70379 %
10	.08	8.389998E-02	3.899984E-03	4.648373 %
20	.169	.1786	9.599984E-03	5.375131 %
30	.281	.2733	-7.699996E-03	-2.817416 %

S96

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.014	4.199982E-03	-9.800019E-03	-233.3348 %
10	.059	7.089998E-02	1.189998E-02	16.78418 %
20	.132	.1376	5.599976E-03	4.06975 %
30	.212	.2043	-7.700011E-03	-3.768973 %

S96 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.000001E-03	7.899994E-03	-1.000064E-04	-1.265904 %
10	.075	.0778	2.799995E-03	3.598966 %
20	.153	.1477	-5.299986E-03	-3.588345 %
30	.215	.2176	2.600014E-03	1.194859 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.551	.5578001	6.800056E-03	1.219085 %
10	.764	.7666001	2.600134E-03	.3391773 %
20	1.001	.9754001	-.0255999	-2.624553 %
30	1.168	1.1842	1.620019E-02	1.368028 %

90CD10S01 X10

30	1.168	1.1842	1.620019E-02	1.368028 %

JVM 11/Sept/90

90CD10S01 X10

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	2.500015E-03	-4.999847E-04	-19.99927 %
10	.058	5.850001E-02	5.000122E-04	.8547216 %
20	.114	.1145	5.00001E-04	.4366821 %
30	.171	.1705	-5.000085E-04	-.2932601 %

S01 DUP X10

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.006	-.003	-8.999999E-03	300 %
10	.057	.0635	6.500002E-03	10.23622 %
20	.116	.13	.014	10.76923 %
30	.208	.1965	-.0115	-5.852418 %

S01 SPK X10

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.025	2.829999E-02	3.299987E-03	11.66074 %
10	.1	9.659999E-02	-3.400013E-03	-3.519683 %
20	.168	.1649	-3.100008E-03	-1.879932 %
30	.23	.2332	3.19998E-03	1.372204 %

90CG10S01 X10

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.011	5.599976E-03	-5.400025E-03	-96.42942 %
10	.054	.0677	.0137	20.23633 %
20	.141	.1298	-1.119998E-02	-8.628643 %
30	.189	.1919001	2.900049E-03	1.511229 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.639	.6935998	5.459982E-02	7.871948 %
10	.809	.8906999	8.169985E-02	9.172546 %
20	1.415	1.0878	-.3272001	-30.07907 %
30	1.094	1.2849	.1909	14.85719 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.594	.6077	1.369995E-02	2.254394 %
10	.878	.8603998	-1.760018E-02	-2.045581 %
20	1.119	1.1131	-5.900264E-03	-.5300751 %
30	1.356	1.3658	9.799719E-03	.7175078 %

FF 18597
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90FM18S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	1.279996E-02	8.799957E-03	68.7499 %
10	.1	8.909997E-02	-1.090004E-02	-12.23349 %
20	.17	.1654	-4.600019E-03	-2.781148 %
30	.235	.2417	6.699994E-03	2.772029 %

jvm
99 Sept 90

90FS19S02

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.999999E-03	-4.799988E-03	-1.379999E-02	287.5005 %
10	.097	.1234	.0264	21.39384 %
20	.263	.2516	-1.140001E-02	-4.531008 %
30	.381	.3798	-1.20002E-03	-.3159611 %

90FF18S95

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.019	6.099976E-03	-1.290002E-02	-211.4767 %
10	.113	.1187	.0057	4.802022 %
20	.204	.2313	2.730002E-02	11.80286 %
30	.364	.3439	-2.009997E-02	-5.844713 %

S95 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.005	6.929998E-02	6.429997E-02	92.78498 %
10	.105	8.109999E-02	-2.390001E-02	-29.46981 %
20	.238	.0929	-.1451	-156.1895 %
30	0	.1047	.1047	100 %

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SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.002	-1.899963E-03	1.000367E-04	-5.265193 %
10	.19	.1912	1.20002E-03	.6276256 %
20	.387	.3843	-2.700001E-03	-.7025764 %
30	.576	.5774	1.399994E-03	.2424652 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.243	.2403	-2.700016E-03	-1.123602 %
10	.336	.3411	5.099982E-03	1.495158 %
20	.444	.4419	-2.100051E-03	-.4752321 %
30	.543	.5427	-3.000498E-04	-5.528834E-02 %

90FM18S99

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	-1.400009E-03	-5.40001E-03	385.7124 %

0	.004	-1.400009E-03	-5.40001E-03	385.7124 %
10	.023	3.019999E-02	7.199994E-03	23.84104 %
20	.06	.0618	1.799997E-03	2.912617 %
30	.097	.0934	-3.600001E-03	-3.854391 %

JVM
9 Sept 90

90FF18S94

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	6.99997E-04	-3.300003E-03	-471.4311 %
10	.029	.0374	8.399997E-03	22.45989 %
20	.081	.0741	-6.900005E-03	-9.311749 %
30	.109	.1108	1.800001E-03	1.624549 %

S96

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.007	.0045	-2.500001E-03	-55.55557 %
10	.045	4.550001E-02	5.00001E-04	1.098903 %
20	.08	8.650001E-02	6.500013E-03	7.514465 %
30	.132	.1275	-4.499987E-03	-3.529401 %

90FS19S02

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	8.999999E-03	2.800003E-03	-6.199997E-03	-221.4282 %
10	.037	.0461	9.100001E-03	19.7397 %
20	.089	.0894	3.999993E-04	.4474266 %
30	.136	.1327	-3.300011E-03	-2.486821 %

S02 DUP

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.003	-4.40001E-03	-1.400009E-03	31.81833 %
10	.04	3.719999E-02	-2.80001E-03	-7.526912 %
20	.069	.0788	9.799994E-03	12.43654 %
30	.126	.1204	-5.600013E-03	-4.651174 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.236	7.866666E-02	-.1573334	-200 %
10	0	0	0	1.701412E+38 %
0	0	7.866666E-02	7.866666E-02	100 %
0	0	7.866666E-02	7.866666E-02	100 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.239	.2423001	3.300056E-03	1.361971 %
10	.348	.3406	-7.399977E-03	-2.172629 %
20	.434	.4389	4.900009E-03	1.116429 %
30	.538	.5372	-8.000136E-04	-.1489229 %

90FM18S99 X2

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.002	-7.000122E-04	-2.700012E-03	385.7093 %
10	.037	4.109999E-02	4.099984E-03	9.975632 %
20	.083	8.289998E-02	-1.000166E-04	-.1206473 %
30	.126	.1247	-1.300022E-03	-1.04252 %

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90FF18S94 X2

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	8.900024E-03	5.900024E-03	66.29223 %
10	.06	5.130001E-02	-8.699987E-03	-16.95903 %
20	9.399999E-02	.0937	-2.999976E-04	-.3201682 %
30	.133	.1361	3.099993E-03	2.277732 %

90FS19S02 X2

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.01	-6.000214E-04	-1.060002E-02	1766.607 %
10	.046	5.779999E-02	1.179999E-02	20.41521 %
20	.108	.1162	8.199998E-03	7.056796 %
30	.184	.1746	-9.399995E-03	-5.383732 %

SO2 DUP X2

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.003	-2.100006E-03	-5.100006E-03	242.8567 %
10	.051	5.830001E-02	7.300005E-03	12.52145 %
20	.118	.1187	7.000119E-04	.589732 %
30	.182	.1791	-2.899975E-03	-1.619193 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.247	.2551001	8.100108E-03	3.175266 %
10	.37	.3557001	-1.429993E-02	-4.020221 %
20	.452	.4563001	4.300058E-03	.9423751 %
30	.555	.5569	1.900017E-03	.3411774 %

90FF18S94

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	0	1.701412E+38	1.701412E+38	1 %
0	0	1.701412E+38	1.701412E+38	1 %
0	0	1.701412E+38	1.701412E+38	1 %
0	0	1.701412E+38	1.701412E+38	1 %

90FF18S94 X5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.005	1.080003E-02	5.800034E-03	53.70385 %

0	.013	7.200012E-03	-5.799989E-03	-80.55526 %
10	.061	.0719	.0079	10.98748 %
20	.135	.1366	1.599997E-03	1.171301 %
30	~~.205~~ Typo X4	.2013	-3.700003E-03	-1.838054 %

90FS19S02 X5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.013	3.800018E-03	-9.199982E-03	-242.1037 %
10	.064	7.360002E-02	9.600014E-03	13.04349 %
20	.135	.1434	8.400008E-03	5.857746 %
30	.222	.2132	-.0088	-4.12758 %

S02 DUP X5

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	-.004	-8.500001E-03	-4.500001E-03	52.94118 %
10	.054	6.199999E-02	7.99999E-03	12.90321 %
20	.135	.1325	-2.500013E-03	-1.886802 %
30	.204	.203	-1.000017E-03	-.4926192 %

90FF18S94

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.002	-.0015	-.0035	233.3334 %
10	.056	.0655	9.499997E-03	14.50381 %
20	.141	.1325	-8.50001E-03	-6.415102 %
30	.197	.1995	2.499998E-03	1.253132 %

90FS19S02 X10

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	0	-2.700043E-03	-2.700043E-03	100 %
10	.085	8.859996E-02	3.599964E-03	4.063167 %
20	.179	.1799	8.999705E-04	.5002618 %
30	.273	.2712	-1.800001E-03	-.6637171 %

S02 DUP X10

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.004	-1.800018E-03	-5.800019E-03	322.22 %
10	.088	9.239999E-02	4.399985E-03	4.76189 %
20	.178	.1866	8.599982E-03	4.60878 %
30	.288	.2808	-7.200033E-03	-2.564115 %

AQC

SPIKE	MEASURED	CALC.	ERROR	PER CENT
0	.256	.253	-3.000021E-03	-1.185779 %
10	.343	.3535	1.049998E-02	2.970293 %
20	.466	.454	-1.200002E-02	-2.643177 %
30	.55	.5545	4.499972E-03	.811537 %

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: SEP 19 1990

SUBJECT: Review of Region 5 data for Aligned Fiber Corp

FROM: Curtis Ross, Director
Region 5 Central Regional Laboratory

To: Data User:

Attached are the results for:

CRL Data Set Numbers: SF 7253
Sample Numbers: 90FM18 S98, S99, D98, 90FM02 R84
Parameter(s): ICP
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 James Adams the Quality Control Coordinator, at 353-9604

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)

RECEIVED BY/DATE:

Comments:

Run 813B

DATA SET	SITE	DU/ACT.
SF7253	Aligned Fiber Co.	TFA302

OTFA05WU22

SAMPLES	PARAMETER(S)
90FM18 S98, S99, D98, 90FMORR84	ICP

SAMPLED	RECEIVED	DUE	LAB
26 Jun 90	27 Jun 90	18 July 90	CRL

SHIPPED	DATA RECEIVED	CONTRACT
N/A	→	→

Comments By Reviewer: low Al drifting high Al values ~~[illegible]~~ soil is OK. Cu confirmed in 90FMORR84 by running undigested sample.

JW

(X) REVIEWED ( ) UNREVIEWED TEAM LEADER/DATE 11 Sep 90

( ) REVIEWED (X) UNREVIEWED SECTION CHIEF/DATE RR 9/18/90

(X) REVIEWED ( ) UNREVIEWED QC COORDINATOR/DATE James H. Adams Jr. 9/19/90

REVIEWED BY CONTRACT COORDINATOR/DATE

RECEIVED 9 19 90 TRANSMITTED 9-19-90 DATA MANAGEMENT COORDINATOR S Duffin

CC: QUALITY CONTROL COORDINATOR

JVM
11 Sept 90

SAMPLE REPORT Aligned Fiber

Sample SF7253 FM18S98 Operator MS

Date analyzed 08/08/90 Correction 1.22000 File name RUN813

Element	Concentration		Units
Silver	6.0	U	micrograms/liter
Aluminum	80.0	U	micrograms/liter
Boron	80.0	U	micrograms/liter
Barium	42.2		micrograms/liter
Beryllium	1.0	U	micrograms/liter
Calcium	75300.		micrograms/liter
Cadmium	10.0	U	micrograms/liter
Cobalt	6.0	U	micrograms/liter
Chromium	8.0	U	micrograms/liter
Copper	6.0	U	micrograms/liter
Magnesium	20800.		micrograms/liter
Iron	80.0	U	micrograms/liter
Potassium	5000.	U	micrograms/liter
Lithium	10.2		micrograms/liter
Manganese	5.0	U	micrograms/liter
Molybdenum	15.0	U	micrograms/liter
Sodium	2930.		micrograms/liter
Nickel	15.0	U	micrograms/liter
Lead	70.0	U	micrograms/liter
Tin	40.0	U	micrograms/liter
Strontium	90.5		micrograms/liter
Titianium	25.0	U	micrograms/liter
Vanadium	5.0	U	micrograms/liter
Yttrium	5.0	U	micrograms/liter
Zinc	40.0	U	micrograms/liter

MS 8/10/90

JCM
11/Sept/90

SAMPLE REPORT

Sample SF7253 FM18D98 Operator MS

Date analyzed 08/08/90 Correction 1.22000 File name RUN813

Element	Concentration	Units
Silver	6.0 U	micrograms/liter
Aluminum	80.0 U	micrograms/liter
Boron	80.0 U	micrograms/liter
Barium	42.9	micrograms/liter
Beryllium	1.0 U	micrograms/liter
Calcium	76500.	micrograms/liter
Cadmium	10.0 U	micrograms/liter
Cobalt	6.0 U	micrograms/liter
Chromium	8.0 U	micrograms/liter
Copper	6.0 U	micrograms/liter
Magnesium	21200.	micrograms/liter
Iron	80.0 U	micrograms/liter
Potassium	5000. U	micrograms/liter
Lithium	10.2	micrograms/liter
Manganese	5.0 U	micrograms/liter
Molybdenum	15.0 U	micrograms/liter
Sodium	2900.	micrograms/liter
Nickel	15.0 U	micrograms/liter
Lead	70.0 U	micrograms/liter
Tin	40.0 U	micrograms/liter
Strontium	91.4	micrograms/liter
Titianium	25.0 U	micrograms/liter
Vanadium	5.0 U	micrograms/liter
Yttrium	5.0 U	micrograms/liter
Zinc	40.0 U	micrograms/liter

MS 8/10/90

Jun
11 Sep 90

SAMPLE REPORT

Sample SF7253 FM18S99 Operator MS

Date analyzed 08/08/90 Correction 1.22000 File name RUN813

Element	Concentration	Units
Silver	6.0 U	micrograms/liter
Aluminum	80.0 U	micrograms/liter
Boron	80.0 U	micrograms/liter
Barium	42.4	micrograms/liter
Beryllium	1.0 U	micrograms/liter
Calcium	89400.	micrograms/liter
Cadmium	10.0 U	micrograms/liter
Cobalt	6.0 U	micrograms/liter
Chromium	8.0 U	micrograms/liter
Copper	263.	micrograms/liter
Magnesium	34700.	micrograms/liter
Iron	80.0 U	micrograms/liter
Potassium	7630.	micrograms/liter
Lithium	12.0	micrograms/liter
Manganese	5.0 U	micrograms/liter
Molybdenum	15.0 U	micrograms/liter
Sodium	8270.	micrograms/liter
Nickel	15.0 U	micrograms/liter
Lead	70.0 U	micrograms/liter
Tin	40.0 U	micrograms/liter
Strontium	99.1	micrograms/liter
Titianium	25.0 U	micrograms/liter
Vanadium	5.0 U	micrograms/liter
Yttrium	5.0 U	micrograms/liter
Zinc	3390.	micrograms/liter

MS 8/10/90

JVM
7/Sep/90

SAMPLE REPORT

Sample SF7253 FM02R84 Operator MS

Date analyzed 08/08/90 Correction 1.22000 File name RUN813

Element	Concentration		Units
Silver	6.0	U	micrograms/liter
Aluminum	80.0	U	micrograms/liter
Boron	80.0	U	micrograms/liter
Barium	6.0	U	micrograms/liter
Beryllium	1.0	U	micrograms/liter
Calcium	500.	U	micrograms/liter
Cadmium	10.0	U	micrograms/liter
Cobalt	6.0	U	micrograms/liter
Chromium	8.0	U	micrograms/liter
Copper	169.		micrograms/liter
Magnesium	100.	U	micrograms/liter
Iron	80.0	U	micrograms/liter
Potassium	5000.	U	micrograms/liter
Lithium	10.0	U	micrograms/liter
Manganese	5.0	U	micrograms/liter
Molybdenum	15.0	U	micrograms/liter
Sodium	1000.	U	micrograms/liter
Nickel	15.0	U	micrograms/liter
Lead	70.0	U	micrograms/liter
Tin	40.0	U	micrograms/liter
Strontium	10.0	U	micrograms/liter
Titianium	25.0	U	micrograms/liter
Vanadium	5.0	U	micrograms/liter
Yttrium	5.0	U	micrograms/liter
Zinc	40.0	U	micrograms/liter

MS
8/10/90

JVS
11 Sep 90

DIGESTION RECORD

Prepared by AMS Date 8/3/90 Run Number 813

Vessel Number	Data Set	Sample Number	Notes	Vessel Number	Data Set	Sample Number	Notes
50	SF7253	FM18 S98		70	CDO 7268	CS09 S13	
51	↓	FM18 D98		71		CS09 S14	
52	↓	FM18 S99		72		CS09 R01	
53	SF7253	FM02 R84		73	Blank		
54	SF7254	FF18 S94		74	SF7256	FS19 S01	Dup
55	↓	FF18 S95		75	SF7256	FS19 S01	Spike
56	↓	FF18 D95		76	CDO 7268	CS09 R02	
57	↓	FF18 S96		77	PE 7263	OI10 R01	
58	↓	FF18 S97		78	PE 7263	OI10 S01	
59	SF7254	FF02 R83		79		OI10 S01	Dup
60	Blank			~~80~~	see below	OI10 S01	~~Spike~~ QNS
61	SF7253	FM18 S98	Dup	81		OI10 S02	
62	SF7253	FM18 S98	Spike	82		OI10 S02	~~Dup~~ Spike
63	SF7256	FS19 S01		83		OI10 S02	~~Spike~~ Dup
64		FS19 D01		84	SF7277	FJ21 S47	
65		FS19 S02		~~85~~		FJ21 S48	
66	SF7256	FS09 R85		~~86~~	40	FJ21 D48	
67	CDO 7268	CS09 S01		~~87~~	41	FJ21 S49	
68	↓	CS09 D01		~~88~~	42	FJ21 S51	
69	↓	CS09 S10		~~89~~	43	FJ21 S52	

COMMENTS:

80 Blank ——— Y

Y @ 0.5ml / 50

JVM
11Sept90

DIGESTION RECORD

Prepared by | Date | Run Number

Vessel Number	Data Set	Sample Number	Notes	Vessel Number	Data Set	Sample Number	Notes
44	SF7277	FJ21 D52					
45	S	FJ03 ~~D52~~	R06				
46	SF7277	FJ03 R07					
47	SF7277	FJ21 S47	Dup				
39	↓	FJ21 S47	Spike				
38	Blank						

COMMENTS:

JCM
11 Sep 90

BLANK REPORT

Blank name FIRST INSTRUMENT

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	2.59	6.0	ug/L
Alhigh	-46.90	20000.0	ug/L
Allow	-36.35	80.0	ug/L
As	25.70	50.0	ug/L
B	-3.10	80.0	ug/L
Ba	0.46	6.0	ug/L
Be	-0.04	1.0	ug/L
Cahigh	7.10	20000.0	ug/L
Calow	0.10	500.0	ug/L
Cd	-0.83	10.0	ug/L
Co	1.91	6.0	ug/L
Cr	0.09	8.0	ug/L
Cu	0.00	6.0	ug/L
Mghigh	-27.00	20000.0	ug/L
Mglow	5.70	100.0	ug/L
Felow	-1.57	80.0	ug/L
Fehigh	3.90	20000.0	ug/L
K	246.90	5000.0	ug/L
Li	0.49	10.0	ug/L
Mn	-0.32	5.0	ug/L
Mo	1.29	15.0	ug/L
Na	-6.30	1000.0	ug/L
Ni	3.39	15.0	ug/L
Pb	-29.64	70.0	ug/L
Sn	18.38	40.0	ug/L
Sr	-0.03	10.0	ug/L
Ti	-0.57	25.0	ug/L
V	1.48	5.0	ug/L
Y	0.32	5.0	ug/L
Znlow	0.18	40.0	ug/L
Znhigh	-33.30	20000.0	ug/L

All values for the blank are less than detection limit.

Al low out in 2 + 3 AQC even after restandardization
Sr out in 3
Sn out in 4
All SF Al low < DL
all reported because
AQC out high

MS 8/10/90

JVM
11 Sept 90

BLANK REPORT

Blank name DIGESTION 60

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	2.03	6.0	ug/L
Alhigh	-58.60	20000.0	ug/L
Allow	-50.52	80.0	ug/L
As	15.42	50.0	ug/L
B	1.60	80.0	ug/L
Ba	0.68	6.0	ug/L
Be	-0.01	1.0	ug/L
Cahigh	54.90	20000.0	ug/L
Calow	58.00	500.0	ug/L
Cd	0.05	10.0	ug/L
Co	3.56	6.0	ug/L
Cr	1.98	8.0	ug/L
Cu	0.13	6.0	ug/L
Mghigh	-21.00	20000.0	ug/L
Mglow	11.90	100.0	ug/L
Felow	19.31	80.0	ug/L
Fehigh	31.40	20000.0	ug/L
K	-38.60	5000.0	ug/L
Li	0.98	10.0	ug/L
Mn	0.31	5.0	ug/L
Mo	-1.28	15.0	ug/L
Na	50.00	1000.0	ug/L
Ni	7.50	15.0	ug/L
Pb	-6.95	70.0	ug/L
Sn	-1.83	40.0	ug/L
Sr	0.24	10.0	ug/L
Ti	0.23	25.0	ug/L
V	1.94	5.0	ug/L
Y	0.28	5.0	ug/L
Znlow	7.44	40.0	ug/L
Znhigh	-3.30	20000.0	ug/L

All values for the blank are less than detection limit.

MS 8/10/90

JM
11 Sep 90

BLANK REPORT

Blank name SECOND INSTRUMENT

File name RUN813

Date analyzed 08/08/90

Element	Blank Value	Detection limit	Units
Ag	-1.13	6.0	ug/L
Alhigh	-50.80	20000.0	ug/L
Allow	-15.10	80.0	ug/L
As	-7.41	50.0	ug/L
B	6.75	80.0	ug/L
Ba	1.30	6.0	ug/L
Be	0.39	1.0	ug/L
Cahigh	7.50	20000.0	ug/L
Calow	-11.20	500.0	ug/L
Cd	-1.01	10.0	ug/L
Co	0.85	6.0	ug/L
Cr	-2.27	8.0	ug/L
Cu	-1.19	6.0	ug/L
Mghigh	-18.40	20000.0	ug/L
Mglow	3.60	100.0	ug/L
Felow	-11.08	80.0	ug/L
Fehigh	23.60	20000.0	ug/L
K	-1354.70	5000.0	ug/L
Li	-0.24	10.0	ug/L
Mn	-0.04	5.0	ug/L
Mo	-5.66	15.0	ug/L
Na	-12.20	1000.0	ug/L
Ni	-4.51	15.0	ug/L
Pb	-17.52	70.0	ug/L
Sn	-39.55	40.0	ug/L
Sr	0.07	10.0	ug/L
Ti	0.95	25.0	ug/L
V	0.33	5.0	ug/L
Y	-0.68	5.0	ug/L
Znlow	-7.90	40.0	ug/L
Znhigh	-46.60	20000.0	ug/L

All values for the blank are less than detection limit.

MS 8/10/90

JVM
11 Sept 90

BLANK REPORT

Blank name DIGESTION 73

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	-0.58	6.0	ug/L
Alhigh	-97.60	20000.0	ug/L
Allow	-16.74	80.0	ug/L
As	11.60	50.0	ug/L
B	2.81	80.0	ug/L
Ba	-0.14	6.0	ug/L
Be	-0.38	1.0	ug/L
Cahigh	57.20	20000.0	ug/L
Calow	54.00	500.0	ug/L
Cd	1.25	10.0	ug/L
Co	-1.44	6.0	ug/L
Cr	-4.20	8.0	ug/L
Cu	-0.61	6.0	ug/L
Mghigh	-20.30	20000.0	ug/L
Mglow	1.60	100.0	ug/L
Felow	-4.50	80.0	ug/L
Fehigh	-62.80	20000.0	ug/L
K	-824.90	5000.0	ug/L
Li	-1.45	10.0	ug/L
Mn	-0.42	5.0	ug/L
Mo	3.16	15.0	ug/L
Na	30.40	1000.0	ug/L
Ni	2.14	15.0	ug/L
Pb	-54.65	70.0	ug/L
Sn	-5.38	40.0	ug/L
Sr	-0.28	10.0	ug/L
Ti	-1.74	25.0	ug/L
V	0.26	5.0	ug/L
Y	-1.04	5.0	ug/L
Znlow	2.95	40.0	ug/L
Znhigh	-163.00	20000.0	ug/L

All values for the blank are less than detection limit.

MS 8/3/90

JLM
11 Sept 90

BLANK REPORT

Blank name THIRD INSTRUMENT

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	-2.24	6.0	ug/L
Alhigh	27.30	20000.0	ug/L
Allow	-19.92	80.0	ug/L
As	-3.70	50.0	ug/L
B	3.37	80.0	ug/L
Ba	-0.59	6.0	ug/L
Be	0.01	1.0	ug/L
Cahigh	51.10	20000.0	ug/L
Calow	-1.70	500.0	ug/L
Cd	0.36	10.0	ug/L
Co	-2.81	6.0	ug/L
Cr	-2.44	8.0	ug/L
Cu	-1.65	6.0	ug/L
Mghigh	-22.40	20000.0	ug/L
Mglow	-0.40	100.0	ug/L
Felow	-5.37	80.0	ug/L
Fehigh	180.60	20000.0	ug/L
K	-1404.50	5000.0	ug/L
Li	2.42	10.0	ug/L
Mn	0.73	5.0	ug/L
Mo	0.02	15.0	ug/L
Na	14.70	1000.0	ug/L
Ni	-2.14	15.0	ug/L
Pb	-26.86	70.0	ug/L
Sn	-35.26	40.0	ug/L
Sr	0.24	10.0	ug/L
Ti	1.18	25.0	ug/L
V	-1.45	5.0	ug/L
Y	-1.54	5.0	ug/L
Znlow	-7.04	40.0	ug/L
Znhigh	249.50	20000.0	ug/L

All values for the blank are less than detection limit.

MS 8/3/70

JVM
11 Sept 90

BLANK REPORT

Blank name FOURTH INSTRUMENT

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	1.59	6.0	ug/L
Alhigh	-50.80	20000.0	ug/L
Allow	-11.94	80.0	ug/L
As	2.23	50.0	ug/L
B	-3.96	80.0	ug/L
Ba	-0.31	6.0	ug/L
Be	-0.26	1.0	ug/L
Cahigh	-10.20	20000.0	ug/L
Calow	-13.70	500.0	ug/L
Cd	1.09	10.0	ug/L
Co	2.64	6.0	ug/L
Cr	-1.05	8.0	ug/L
Cu	-0.12	6.0	ug/L
Mghigh	-27.60	20000.0	ug/L
Mglow	-5.60	100.0	ug/L
Felow	-14.02	80.0	ug/L
Fehigh	-33.40	20000.0	ug/L
K	-832.00	5000.0	ug/L
Li	-1.94	10.0	ug/L
Mn	-0.66	5.0	ug/L
Mo	1.88	15.0	ug/L
Na	-27.90	1000.0	ug/L
Ni	5.93	15.0	ug/L
Pb	-6.63	70.0	ug/L
Sn	-16.55	40.0	ug/L
Sr	-0.42	10.0	ug/L
Ti	-1.35	25.0	ug/L
V	1.34	5.0	ug/L
Y	-0.81	5.0	ug/L
Znlow	-9.73	40.0	ug/L
Znhigh	-86.50	20000.0	ug/L

All values for the blank are less than detection limit.

AMS 8/10/90

JCM
11 Sept 90

BLANK REPORT

Blank name DIGESTION 38

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	0.25	6.0	ug/L
Alhigh	-78.10	20000.0	ug/L
Allow	-6.27	80.0	ug/L
As	15.28	50.0	ug/L
B	-1.92	80.0	ug/L
Ba	0.20	6.0	ug/L
Be	-0.35	1.0	ug/L
Cahigh	101.90	20000.0	ug/L
Calow	115.70	500.0	ug/L
Cd	-0.25	10.0	ug/L
Co	-0.68	6.0	ug/L
Cr	-7.96	8.0	ug/L
Cu	0.82	6.0	ug/L
Mghigh	-5.50	20000.0	ug/L
Mglow	16.40	100.0	ug/L
Felow	-11.95	80.0	ug/L
Fehigh	-151.10	20000.0	ug/L
K	-547.60	5000.0	ug/L
Li	-1.45	10.0	ug/L
Mn	-0.49	5.0	ug/L
Mo	0.77	15.0	ug/L
Na	182.00	1000.0	ug/L
Ni	-5.93	15.0	ug/L
Pb	-4.75	70.0	ug/L
Sn	-9.42	40.0	ug/L
Sr	0.35	10.0	ug/L
Ti	-2.53	25.0	ug/L
V	-0.81	5.0	ug/L
Y	-1.00	5.0	ug/L
Znlow	-2.74	40.0	ug/L
Znhigh	-312.70	20000.0	ug/L

All values for the blank are less than detection limit.

JVM
11 Sept 90

BLANK REPORT

Blank name FIFTH INSTRUMENT

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	1.01	6.0	ug/L
Alhigh	-85.90	20000.0	ug/L
Allow	-13.57	80.0	ug/L
As	11.41	50.0	ug/L
B	1.49	80.0	ug/L
Ba	-0.03	6.0	ug/L
Be	-0.31	1.0	ug/L
Cahigh	64.00	20000.0	ug/L
Calow	67.40	500.0	ug/L
Cd	1.28	10.0	ug/L
Co	-0.08	6.0	ug/L
Cr	-4.02	8.0	ug/L
Cu	-1.33	6.0	ug/L
Mghigh	-17.30	20000.0	ug/L
Mglow	4.60	100.0	ug/L
Felow	-16.62	80.0	ug/L
Fehigh	-82.40	20000.0	ug/L
K	-675.60	5000.0	ug/L
Li	-1.45	10.0	ug/L
Mn	-0.74	5.0	ug/L
Mo	1.47	15.0	ug/L
Na	-31.60	1000.0	ug/L
Ni	-4.51	15.0	ug/L
Pb	-19.80	70.0	ug/L
Sn	7.58	40.0	ug/L
Sr	0.03	10.0	ug/L
Ti	-1.91	25.0	ug/L
V	0.43	5.0	ug/L
Y	-0.91	5.0	ug/L
Znlow	-9.45	40.0	ug/L
Znhigh	-279.40	20000.0	ug/L

All values for the blank are less than detection limit.

JVM
11Sept90

BLANK REPORT

Blank name SECOND INSTRUMENT

Date analyzed 08/08/90 File name RUN813

Element	Blank Value	Detection limit	Units
Ag	4.01	6.0	ug/L
Alhigh	43.00	20000.0	ug/L
Allow	-33.47	80.0	ug/L
As	23.45	50.0	ug/L
B	2.34	80.0	ug/L
Ba	0.63	6.0	ug/L
Be	0.24	1.0	ug/L
Cahigh	71.80	20000.0	ug/L
Calow	26.30	500.0	ug/L
Cd	-1.15	10.0	ug/L
Co	2.38	6.0	ug/L
Cr	-1.34	8.0	ug/L
Cu	-0.09	6.0	ug/L
Mghigh	-17.60	20000.0	ug/L
Mglow	15.30	100.0	ug/L
Felow	4.17	80.0	ug/L
Fehigh	200.20	20000.0	ug/L
K	123.50	5000.0	ug/L
Li	3.94	10.0	ug/L
Mn	0.93	5.0	ug/L
Mo	-3.52	15.0	ug/L
Na	46.80	1000.0	ug/L
Ni	8.46	15.0	ug/L
Pb	-4.64	70.0	ug/L
Sn	24.64	40.0	ug/L
Sr	0.77	10.0	ug/L
Ti	2.55	25.0	ug/L
V	2.11	5.0	ug/L
Y	0.55	5.0	ug/L
Znlow	0.25	40.0	ug/L
Znhigh	412.40	20000.0	ug/L

All values for the blank are less than detection limit.

MS 8/10/90

jm 11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID ADC FIRST

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Allow	5162.7	5000.0	3.3%	ug/L
As	5140.2	5000.0	2.8%	ug/L
B	5135.6	5000.0	2.7%	ug/L
Ba	5000.1	5000.0	0.0%	ug/L
Be	5165.1	5000.0	3.3%	ug/L
Calow	5120.1	5000.0	2.4%	ug/L
Cd	5090.6	5000.0	1.8%	ug/L
Co	5067.8	5000.0	1.4%	ug/L
Cr	4984.2	5000.0	0.3%	ug/L
Cu	5108.0	5000.0	2.2%	ug/L
Mglow	5100.0	5000.0	2.0%	ug/L
Felow	5070.3	5000.0	1.4%	ug/L
Li	5088.5	5000.0	1.8%	ug/L
Mn	5103.8	5000.0	2.1%	ug/L
Mo	4960.3	5000.0	0.8%	ug/L
Ni	5153.6	5000.0	3.1%	ug/L
Pb	5025.3	5000.0	0.5%	ug/L
Sn	5032.7	5000.0	0.7%	ug/L
Sr	5188.2	5000.0	3.8%	ug/L
Ti	5007.1	5000.0	0.1%	ug/L
V	4957.4	5000.0	0.9%	ug/L
Y	5145.8	5000.0	2.9%	ug/L
Znlow	5063.7	5000.0	1.3%	ug/L

All elements within 5 % of the true value.

MS 8/10/90

JVM 11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID AQC SECOND Operator MS

Date analyzed 08/08/90 File name RUN813

lement	Found Value	True Value	Percent Deviation	Units
Allow	5253.5	5000.0	5.1% *	ug/L
As	5196.3	5000.0	3.9%	ug/L
B	5205.7	5000.0	4.1%	ug/L
Ba	5029.2	5000.0	0.6%	ug/L
Be	5245.0	5000.0	4.9%	ug/L
Calow	5185.0	5000.0	3.7%	ug/L
Cd	5166.8	5000.0	3.3%	ug/L
Co	5160.4	5000.0	3.2%	ug/L
Cr	5088.9	5000.0	1.8%	ug/L
Cu	5144.4	5000.0	2.9%	ug/L
Mglow	5170.8	5000.0	3.4%	ug/L
Felow	5133.4	5000.0	2.7%	ug/L
Li	5243.5	5000.0	4.9%	ug/L
Mn	5167.7	5000.0	3.4%	ug/L
Mo	5046.0	5000.0	0.9%	ug/L
Ni	5209.7	5000.0	4.2%	ug/L
Pb	5050.6	5000.0	1.0%	ug/L
Sn	5161.2	5000.0	3.2%	ug/L
Sr	5223.5	5000.0	4.5%	ug/L
Ti	5061.2	5000.0	1.2%	ug/L
V	5024.0	5000.0	0.5%	ug/L
Y	5192.0	5000.0	3.8%	ug/L
Znlow	5138.5	5000.0	2.8%	ug/L

Some elements are outside of 5 % limit. These elements are Allow

These elements must be removed from the reported samples affected by this audit or some explaination of validity offered.

MS 5/10/90

JVM
11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID AQC SECOND Operator MS

Date analyzed 08/08/90 File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Allow	5189.4	5000.0	3.8%	ug/L
As	5009.0	5000.0	0.2%	ug/L
B	5103.3	5000.0	2.1%	ug/L
Ba	4979.1	5000.0	0.4%	ug/L
Be	5111.6	5000.0	2.2%	ug/L
Calow	5079.9	5000.0	1.6%	ug/L
Cd	4988.8	5000.0	0.2%	ug/L
Co	4985.4	5000.0	0.3%	ug/L
Cr	4877.6	5000.0	2.4%	ug/L
Cu	5085.7	5000.0	1.7%	ug/L
Mglow	5001.0	5000.0	0.0%	ug/L
Felow	5048.0	5000.0	1.0%	ug/L
Li	5093.0	5000.0	1.9%	ug/L
Mn	5047.3	5000.0	0.9%	ug/L
Mo	4888.8	5000.0	2.2%	ug/L
Ni	5069.5	5000.0	1.4%	ug/L
Pb	4891.6	5000.0	2.2%	ug/L
Sn	4851.0	5000.0	3.0%	ug/L
Sr	5171.9	5000.0	3.4%	ug/L
Ti	4993.5	5000.0	0.1%	ug/L
V	4895.5	5000.0	2.1%	ug/L
Y	5101.4	5000.0	2.0%	ug/L
Znlow	5031.2	5000.0	0.6%	ug/L

All elements within 5 % of the true value.

Restandization

MMS 8/10/90

JM 11Sept90

QUALITY CONTROL SAMPLE REPORT

QC ID AQC THIRD

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Allow	5297.6	5000.0	6.0% *	ug/L
As	5096.7	5000.0	1.9%	ug/L
B	5190.5	5000.0	3.8%	ug/L
Ba	5073.6	5000.0	1.5%	ug/L
Be	5199.1	5000.0	4.0%	ug/L
Calow	5172.4	5000.0	3.4%	ug/L
Cd	5077.5	5000.0	1.6%	ug/L
Co	5063.6	5000.0	1.3%	ug/L
Cr	4960.2	5000.0	0.8%	ug/L
Cu	5173.1	5000.0	3.5%	ug/L
Mglow	5070.3	5000.0	1.4%	ug/L
Felow	5128.2	5000.0	2.6%	ug/L
Li	5218.4	5000.0	4.4%	ug/L
Mn	5131.7	5000.0	2.6%	ug/L
Mo	4957.9	5000.0	0.8%	ug/L
Ni	5117.0	5000.0	2.3%	ug/L
Pb	4938.0	5000.0	1.2%	ug/L
Sn	4847.9	5000.0	3.0%	ug/L
Sr	5263.0	5000.0	5.3% *	ug/L
Ti	5084.2	5000.0	1.7%	ug/L
V	4977.9	5000.0	0.4%	ug/L
Y	5185.2	5000.0	3.7%	ug/L
Znlow	5119.3	5000.0	2.4%	ug/L

Some elements are outside of 5 % limit. These elements are Al low Sr

These elements must be removed from the reported samples affected by this audit or some explaination of validity offered.

MS 8/10/90

JWM
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QUALITY CONTROL SAMPLE REPORT

QC ID AQC FOURTH

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Allow	5193.6	5000.0	3.9%	ug/L
As	4959.2	5000.0	0.8%	ug/L
B	5089.5	5000.0	1.8%	ug/L
Ba	4993.1	5000.0	0.1%	ug/L
Be	5096.5	5000.0	1.9%	ug/L
Calow	5068.8	5000.0	1.4%	ug/L
Cd	4947.9	5000.0	1.0%	ug/L
Co	4955.6	5000.0	0.9%	ug/L
Cr	4854.5	5000.0	2.9%	ug/L
Cu	5085.3	5000.0	1.7%	ug/L
Mglow	4945.3	5000.0	1.1%	ug/L
Felow	5011.7	5000.0	0.2%	ug/L
Li	5111.4	5000.0	2.2%	ug/L
Mn	5015.9	5000.0	0.3%	ug/L
Mo	4846.3	5000.0	3.1%	ug/L
Ni	5011.9	5000.0	0.2%	ug/L
Pb	4861.0	5000.0	2.8%	ug/L
Sn	4687.4	5000.0	6.3% *	ug/L
Sr	5169.6	5000.0	3.4%	ug/L
Ti	4982.5	5000.0	0.4%	ug/L
V	4872.6	5000.0	2.5%	ug/L
Y	5082.4	5000.0	1.6%	ug/L
Inlow	5010.0	5000.0	0.2%	ug/L

Some elements are outside of 5 % limit. These elements are Sn

These elements must be removed from the reported samples affected by this audit or some explaination of validity offered.

MS 8/10/90

JWM
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QUALITY CONTROL SAMPLE REPORT

QC ID AQC FIFTH

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Allow	5461.9	5000.0	9.2% *	ug/L
As	5323.7	5000.0	6.5% *	ug/L
B	5355.3	5000.0	7.1% *	ug/L
Ba	5240.9	5000.0	4.8%	ug/L
Be	5342.5	5000.0	6.9% *	ug/L
Calow	5338.4	5000.0	6.8% *	ug/L
Cd	5207.6	5000.0	4.2%	ug/L
Co	5221.3	5000.0	4.4%	ug/L
Cr	5122.0	5000.0	2.4%	ug/L
Cu	5356.4	5000.0	7.1% *	ug/L
Mglow	5208.5	5000.0	4.2%	ug/L
Felow	5280.6	5000.0	5.6% *	ug/L
Li	5453.4	5000.0	9.1% *	ug/L
Mn	5267.3	5000.0	5.3% *	ug/L
Mo	5110.5	5000.0	2.2%	ug/L
Ni	5260.5	5000.0	5.2% *	ug/L
Pb	5161.6	5000.0	3.2%	ug/L
Sn	5005.8	5000.0	0.1%	ug/L
Sr	5427.0	5000.0	8.5% *	ug/L
Ti	5227.6	5000.0	4.6%	ug/L
V	5112.5	5000.0	2.3%	ug/L
Y	5334.7	5000.0	6.7% *	ug/L
Znlow	5277.9	5000.0	5.6% *	ug/L

Some elements are outside of 5 % limit. These elements are

These elements must be removed from the reported samples affected

by this audit or some explaination of validity offered.

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QUALITY CONTROL SAMPLE REPORT

QC ID HIGH FIRST

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Alhigh	103952.6	100000.0	4.0%	ug/L
Cahigh	106351.7	100000.0	6.4%	ug/L
Mghigh	105966.5	100000.0	6.0%	ug/L
Fehigh	101908.2	100000.0	1.9%	ug/L
K	101580.2	100000.0	1.6%	ug/L
Na	106603.2	100000.0	6.6%	ug/L
Znhigh	103490.0	100000.0	3.5%	ug/L

All elements within 10 % of true value.

MS 8/10/90

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QUALITY CONTROL SAMPLE REPORT

QC ID HIGH SECOND

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Alhigh	102615.5	100000.0	2.6%	ug/L
Cahigh	104422.3	100000.0	4.4%	ug/L
Mghigh	103557.9	100000.0	3.6%	ug/L
Fehigh	100273.3	100000.0	0.3%	ug/L
K	101051.1	100000.0	1.1%	ug/L
Na	106215.4	100000.0	6.2%	ug/L
Znhigh	101943.3	100000.0	1.9%	ug/L

All elements within 10 % of true value.

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QUALITY CONTROL SAMPLE REPORT

QC ID HIGH THIRD

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Alhigh	104113.9	100000.0	4.1%	ug/L
Cahigh	105197.5	100000.0	5.2%	ug/L
Mghigh	104295.3	100000.0	4.3%	ug/L
Fehigh	101027.0	100000.0	1.0%	ug/L
K	103011.7	100000.0	3.0%	ug/L
Na	105950.7	100000.0	6.0%	ug/L
Znhigh	102798.1	100000.0	2.8%	ug/L

All elements within 10 % of true value.

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11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH FOURTH

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Alhigh	102997.9	100000.0	3.0%	ug/L
Cahigh	103692.1	100000.0	3.7%	ug/L
Mghigh	102510.2	100000.0	2.5%	ug/L
Fehigh	99837.6	100000.0	0.2%	ug/L
K	102393.0	100000.0	2.4%	ug/L
Na	105460.0	100000.0	5.5%	ug/L
Znhigh	101517.6	100000.0	1.5%	ug/L

All elements within 10 % of true value.

JVM
11 Sep 90

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH FIFTH

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Alhigh	107965.9	100000.0	8.0%	ug/L
Cahigh	107125.9	100000.0	7.1%	ug/L
Mghigh	106651.8	100000.0	6.7%	ug/L
Fehigh	103448.9	100000.0	3.4%	ug/L
K	108899.9	100000.0	8.9%	ug/L
Na	111799.8	100000.0	11.8% *	ug/L
Znhigh	106111.0	100000.0	6.1%	ug/L

Some elements are outside of 10 % limit. These elements are

JVM 11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID AG FIRST

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Ag	55.0	50.0	10.0%	ug/L

Silver audit within 10 % limit.

MS 8/10/90

JVM
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QUALITY CONTROL SAMPLE REPORT

QC ID AG SECOND

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Ag	53.1	50.0	6.2%	ug/L

Silver audit within 10 % limit.

MS 8/10/90

JCM
11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID AG THIRD

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Ag	50.7	50.0	1.4%	ug/L

Silver audit within 10 % limit.

MS 8/10/90

JVM 11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID AG FOURTH

Operator MS

Date analyzed 08/08/90

File name RUN813

Element	Found Value	True Value	Percent Deviation	Units
Ag	50.9	50.0	1.8%	ug/L

Silver audit within 10 % limit.

MS 8/10/90

Jcm
11 Sept 90

QUALITY CONTROL SAMPLE REPORT

QC ID AG FIFTH

Operator MS

Date analyzed 08/08/90

File name RUNB13

Element	Found Value	True Value	Percent Deviation	Units
Ag	53.2	50.0	6.4%	ug/L

Silver audit within 10 % limit.

MS 8/10/90

JVM
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DUPLICATE

Sample SF7277 FJ21S47 Operator MS

Date Analyzed 08/08/90 Correction 1.22000 File RUN813

Element	Units	Sample	Duplicate	Difference	Detect Limit	RPD
Ag	ug/L	0	0	0	6	0%
Alhigh	ug/L	-10	-14	-5	20000	0%
Allow	ug/L	-46	-58	-12	80	24%
As	ug/L	0	17	17	50	207%
B	ug/L	2112	2168	56	80	3%
Ba	ug/L	15	15	0	6	1%
Be	ug/L	-1	-1	0	1	1%
Cahigh	ug/L	336731	343471	6739	20000	2%
Calow	ug/L	0	0	0	500	0%
Cd	ug/L	1	2	2	10	90%
Co	ug/L	2	1	0	6	-13%
Cr	ug/L	-3	-2	1	8	-46%
Cu	ug/L	5	11	6	6	73%
Mghigh	ug/L	21841	22273	431	20000	2%
Mglow	ug/L	21767	22197	430	100	2%
Felow	ug/L	23	20	-3	80	-15%
Fehigh	ug/L	259	283	24	20000	0%
K	ug/L	6815	7401	586	5000	8%
Li	ug/L	16	15	-1	10	-4%
Mn	ug/L	575	585	9	5	2%
Mo	ug/L	0	3	3	15	152%
Na	ug/L	25541	26611	1069	1000	4%
Ni	ug/L	-8	13	21	15	685% *
Pb	ug/L	-19	-23	-4	70	20%
Sn	ug/L	-36	-12	24	40	-100%
Sr	ug/L	1781	1826	45	10	3%
Ti	ug/L	2	2	0	25	-21%
V	ug/L	0	1	1	5	69%
Y	ug/L	1	0	-1	5	-72%
Znlow	ug/L	288	287	-1	40	0%
Znhigh	ug/L	150	81	-69	20000	0%

Some duplicate values are not within 10% RPD or detection limit of each other. The affected elements are Ni

AQC bad not used

MS 8/10/90

JCM
11 Sept 90

DUPLICATE

Sample SF7256 FS19S01 Operator MS

Date Analyzed 08/08/90 Correction 1.22000 File RUN813

Element	Units	Sample	Duplicate	Difference	Detect Limit	RPD
Ag	ug/L	1	2	1	6	79%
Alhigh	ug/L	-50	-38	12	20000	0%
Allow	ug/L	22	-14	-36	80	-902%
As	ug/L	5	1	-3	50	-114%
B	ug/L	36	19	-17	80	-61%
Ba	ug/L	34	32	-1	6	-4%
Be	ug/L	1	0	-2	1	0%
Cahigh	ug/L	32877	34087	1210	20000	4%
Calow	ug/L	34433	35117	684	500	2%
Cd	ug/L	0	0	0	10	0%
Co	ug/L	2	1	-1	6	-145%
Cr	ug/L	0	-5	-5	8	181%
Cu	ug/L	2	1	-1	6	-36%
Mghigh	ug/L	11763	12094	331	20000	3%
Mglow	ug/L	11729	12058	330	100	3%
Felow	ug/L	45	51	6	80	13%
Fehigh	ug/L	79	206	127	20000	0%
K	ug/L	620	91	-529	5000	0%
Li	ug/L	5	3	-2	10	-59%
Mn	ug/L	106	108	2	5	2%
Mo	ug/L	1	2	1	15	65%
Na	ug/L	3537	3556	20	1000	0%
Ni	ug/L	-1	-10	-9	15	174%
Pb	ug/L	-28	-15	13	70	-61%
Sn	ug/L	-3	-9	-5	40	90%
Sr	ug/L	98	98	0	10	0%
Ti	ug/L	0	0	0	25	0%
V	ug/L	1	2	1	5	40%
Y	ug/L	1	-1	-2	5	0%
Znlow	ug/L	32	21	-11	40	-41%
Znhigh	ug/L	-219	0	219	20000	0%

All duplicates values are within either 10% relative percent difference or the detection limit of each other.

MS 8/10/90

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11Sep90

DUPLICATE

Sample SF7253 FM18S98 Operator MS

Date Analyzed 08/08/90 Correction 1.22000 File RUN813

Element	Units	Sample	Duplicate	Difference	Detect Limit	RPD
Ag	ug/L	0	0	0	6	0%
Alhigh	ug/L	10	0	-10	20000	0%
Allow	ug/L	-63	-91	-28	80	36%
As	ug/L	33	26	-7	50	-23%
B	ug/L	7	11	4	80	42%
Ba	ug/L	42	43	1	6	2%
Be	ug/L	0	0	0	1	0%
Cahigh	ug/L	75247	77318	2072	20000	3%
Calow	ug/L	80553	82129	1577	500	2%
Cd	ug/L	-1	-2	-2	10	154%
Co	ug/L	1	1	0	6	11%
Cr	ug/L	3	-2	-5	8	0%
Cu	ug/L	4	5	0	6	6%
Mghigh	ug/L	20456	20974	519	20000	2%
Mglow	ug/L	20820	21348	528	100	3%
Felow	ug/L	27	22	-5	80	-20%
Fehigh	ug/L	283	249	-34	20000	0%
K	ug/L	194	-297	-491	5000	0%
Li	ug/L	10	13	2	10	22%
Mn	ug/L	1	2	0	5	7%
Mo	ug/L	-3	-2	1	15	-40%
Na	ug/L	2927	3021	94	1000	3%
Ni	ug/L	6	13	6	15	65%
Pb	ug/L	-20	-56	-36	70	95%
Sn	ug/L	17	24	8	40	38%
Sr	ug/L	91	92	2	10	2%
Ti	ug/L	2	2	0	25	14%
V	ug/L	2	1	-1	5	-78%
Y	ug/L	1	0	-1	5	0%
Znlow	ug/L	31	27	-3	40	-12%
Znhigh	ug/L	199	162	-37	20000	0%

All duplicates values are within either 10% relative percent difference or the detection limit of each other.

MS 8/10/90

JVM 11Sep90

SPIKE COMPARISON

Sample SF7253 FM18S98 Analyzed by MS

Date Analyzed 08/08/90 Spike Correction 1.5200 File RUN813

Element	Units	Sample	Spike	Spike Added	Recovery
Ag	ug/L	0	54	50	108%
Allow	ug/L	-63	665	800	91%
B	ug/L	7	792	800	98%
Ba	ug/L	42	240	200	99%
Be	ug/L	0	10	10	98%
Cahigh	ug/L	75247	129000	50000	108%
Cd	ug/L	-1	22	25	91%
Co	ug/L	1	100	100	99%
Cr	ug/L	3	104	100	101%
Cu	ug/L	4	58	50	107%
Mglow	ug/L	20820	46000	25000	101%
Felow	ug/L	27	811	800	98%
K	ug/L	194	27000	25000	107%
Li	ug/L	10	67	54	105%
Mn	ug/L	1	102	100	101%
Mo	ug/L	-3	137	100	140% *
Na	ug/L	2927	54000	50000	102%
Ni	ug/L	6	165	150	106%
Pb	ug/L	-20	796	800	102%
Sn	ug/L	17	583	400	142% *
Sr	ug/L	91	1102	1000	101%
Ti	ug/L	2	104	100	102%
V	ug/L	2	53	50	102%
Y	ug/L	1	51	50	101%
Znlow	ug/L	31	421	400	98%

Some spike recoveries are not within the 15% limit. The affected elements are Mo Sn

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JVS
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SPIKE COMPARISON

Sample SF7256 FS19S01 Analyzed by MS

Date Analyzed 08/08/90 Spike Correction 1.5200 File RUN813

Element	Units	Sample	Spike	Spike Added	Recovery
Ag	ug/L	1	53	50	104%
Allow	ug/L	22	755	800	92%
B	ug/L	36	816	800	97%
Ba	ug/L	34	233	200	100%
Be	ug/L	1	10	10	88%
Cahigh	ug/L	32877	87000	50000	108%
Cd	ug/L	0	21	25	84% *
Co	ug/L	2	97	100	95%
Cr	ug/L	0	98	100	98%
Cu	ug/L	2	53	50	102%
Mglow	ug/L	11729	37000	25000	101%
Felow	ug/L	45	859	800	102%
K	ug/L	620	26000	25000	102%
Li	ug/L	5	61	54	103%
Mn	ug/L	106	212	100	106%
Mo	ug/L	1	136	100	135% *
Na	ug/L	3537	55000	50000	103%
Ni	ug/L	-1	154	150	103%
Pb	ug/L	-28	801	800	104%
Sn	ug/L	-3	519	400	131% *
Sr	ug/L	98	1133	1000	104%
Ti	ug/L	0	106	100	106%
V	ug/L	1	49	50	95%
Y	ug/L	1	51	50	100%
Znlow	ug/L	32	415	400	96%

Some spike recoveries are not within the 15% limit. The affected elements are Mo Sn Cd

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SPIKE COMPARISON

Sample SF7277 FJ21S47 Analyzed by MS

Date Analyzed 08/08/90 Spike Correction 1.5200 File RUN813

Element	Units	Sample	Spike	Spike Added	Recovery
Ag	ug/L	0	54	50	108%
Allow	ug/L	-46	716	800	95%
B	ug/L	2112	2975	800	108% #
Ba	ug/L	15	213	200	99%
Be	ug/L	-1	9	10	96%
Cahigh	ug/L	336731	401000	50000	129% #
Cd	ug/L	1	25	25	97%
Co	ug/L	2	95	100	93%
Cr	ug/L	-3	90	100	93%
Cu	ug/L	5	59	50	108%
Mglow	ug/L	21767	46000	25000	97%
Felow	ug/L	23	806	800	98%
K	ug/L	6815	34000	25000	109%
Li	ug/L	16	69	54	98%
Mn	ug/L	575	691	100	116% #
Mo	ug/L	0	135	100	135% *
Na	ug/L	25541	78000	50000	105%
Ni	ug/L	-8	137	150	96%
Pb	ug/L	-19	775	800	99%
Sn	ug/L	-36	485	400	130% *
Sr	ug/L	1781	2844	1000	106%
Ti	ug/L	2	104	100	102%
V	ug/L	0	52	50	103%
Y	ug/L	1	51	50	100%
Znlow	ug/L	288	682	400	99%

Some spike recoveries are not within the 15% limit. The affected elements are Mo Sn

Sample value is greater than twice the spike amount added; the spike is invalid as an audit. There are 3 of these.

MS 8/10/90

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SAMPLE REPORT

Sample UNDIGESTED FJ02R84 Operator MS

Date analyzed 08/10/90 Correction 1.00000 File name RUN813B

Element	Concentration	Units
Silver	6.0 U	micrograms/liter
Aluminum	80.0 U	micrograms/liter
Boron	80.0 U	micrograms/liter
Barium	6.0 U	micrograms/liter
Beryllium	1.0 U	micrograms/liter
Calcium	500. U	micrograms/liter
Cadmium	10.0 U	micrograms/liter
Cobalt	6.0 U	micrograms/liter
Chromium	8.0 U	micrograms/liter
Copper	184.	micrograms/liter
Magnesium	100. U	micrograms/liter
Iron	80.0 U	micrograms/liter
Potassium	5000. U	micrograms/liter
Lithium	10.0 U	micrograms/liter
Manganese	5.0 U	micrograms/liter
Molybdenum	15.0 U	micrograms/liter
Sodium	1000. U	micrograms/liter
Nickel	15.0 U	micrograms/liter
Lead	70.0 U	micrograms/liter
Tin	40.0 U	micrograms/liter
Strontium	10.0 U	micrograms/liter
Titianium	25.0 U	micrograms/liter
Vanadium	5.0 U	micrograms/liter
Yttrium	5.0 U	micrograms/liter
Zinc	40.0 U	micrograms/liter

MS 8/10/90

SAMPLE REPORT

Sample UNDIGESTED FF02R83 Operator MS

Date analyzed 08/10/90 Correction 1.00000 File name RUN813B

Element	Concentration	Units
Silver	6.0 U	micrograms/liter
Aluminum	80.0 U	micrograms/liter
Boron	80.0 U	micrograms/liter
Barium	6.0 U	micrograms/liter
Beryllium	1.0 U	micrograms/liter
Calcium	500. U	micrograms/liter
Cadmium	10.0 U	micrograms/liter
Cobalt	6.0 U	micrograms/liter
Chromium	8.0 U	micrograms/liter
Copper	64.2	micrograms/liter
Magnesium	100. U	micrograms/liter
Iron	80.0 U	micrograms/liter
Potassium	5000. U	micrograms/liter
Lithium	10.0 U	micrograms/liter
Manganese	5.0 U	micrograms/liter
Molybdenum	15.0 U	micrograms/liter
Sodium	1000. U	micrograms/liter
Nickel	15.0 U	micrograms/liter
Lead	70.0 U	micrograms/liter
Tin	40.0 U	micrograms/liter
Strontium	10.0 U	micrograms/liter
Titianium	25.0 U	micrograms/liter
Vanadium	5.0 U	micrograms/liter
Yttrium	5.0 U	micrograms/liter
Zinc	40.0 U	micrograms/liter

MS 8/10/90

SAMPLE REPORT

Jvr 11 Sep 90

Sample UNDIGESTED FS02R85 Operator MS

Date analyzed 08/10/90 Correction 1.00000 File name RUN813B

Element	Concentration	Units
Silver	6.0 U	micrograms/liter
Aluminum	80.0 U	micrograms/liter
Boron	80.0 U	micrograms/liter
Barium	6.0 U	micrograms/liter
Beryllium	1.0 U	micrograms/liter
Calcium	500. U	micrograms/liter
Cadmium	10.0 U	micrograms/liter
Cobalt	6.0 U	micrograms/liter
Chromium	8.0 U	micrograms/liter
Copper	136.	micrograms/liter
Magnesium	100. U	micrograms/liter
Iron	80.0 U	micrograms/liter
Potassium	5000. U	micrograms/liter
Lithium	10.0 U	micrograms/liter
Manganese	5.0 U	micrograms/liter
Molybdenum	15.0 U	micrograms/liter
Sodium	1000. U	micrograms/liter
Nickel	15.0 U	micrograms/liter
Lead	70.0 U	micrograms/liter
Tin	40.0 U	micrograms/liter
Strontium	10.0 U	micrograms/liter
Titianium	25.0 U	micrograms/liter
Vanadium	5.0 U	micrograms/liter
Yttrium	5.0 U	micrograms/liter
Zinc	40.0 U	micrograms/liter

MS 8/10/90

Run 813

Method: SED5 Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00810	.11613	.02407	-.03667	.07780	-.00033	.02380
#1	-.00810	.11680	.02900	-.02560	.07640	.00000	.02380
#2	-.00720	.11640	.02600	-.04400	.07960	-.00040	.02400
#3	-.00900	.11520	.01720	-.04040	.07740	-.00060	.02360

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.30813	.05840	.00247	-.00453	-.00120	.00093	.01433
#1	.30720	.05840	.00300	-.00320	.00000	.00120	.01420
#2	.30960	.05840	-.00080	-.00400	-.00480	.00140	.01440
#3	.30760	.05840	.00520	-.00640	.00120	.00020	.01440

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01433	.12773	.24653	-.01700	.03480	.07213	.00240
#1	.01420	.12800	.24760	-.02140	.03480	.07200	.01020
#2	.01440	.12800	.24680	.00940	.03480	.07200	-.00480
#3	.01440	.12720	.24520	-.03900	.03480	.07240	.00180

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.27320	-.00087	.00093	-.00167	.03640	.13000	-.00087
#1	.27480	-.00080	.00060	.00960	.03640	.13040	.00040
#2	.27160	-.00120	.00100	.00260	.03640	.12960	.00040
#3	.27320	-.00060	.00120	-.01720	.03640	.13000	-.00340

Elem	Y	Znlow	Znhigh
Avge	-.00160	.11560	.32280
#1	-.00080	.11680	.32400
#2	-.00160	.11480	.32160
#3	-.00240	.11520	.32280

Method: SED5 Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.57127	.12213	.06313	4.9925	.13600	.00090	.02533
#1	.56980	.12200	.06200	4.9538	.13600	.00090	.02520
#2	.57160	.12120	.06300	4.9968	.13600	.00100	.02520
#3	.57240	.12320	.06440	5.0270	.13600	.00080	.02560

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.34053	.04360	.05870	15.357	7.4132	-.00307	8.8632

Samples analyzed by SED5 on 08/08/90 stored in file RUN813 .

Data set	Sample id	Correction Factor	Dig QC	Ins QC
	cu for iec	1.00000	IEC	S
	AL FOR IEC	0.00250	IEC	S
	FE FOR IEC	0.00250	IEC	S
	AS FOR IEC	1.00000	IEC	S
	CR FOR IEC	1.00000	IEC	S
	FIRST INSTRUMENT	1.00000		B
	AQC FIRST	1.00000		Q
	AG FIRST	1.00000		Q
	HIGH FIRST	1.00000		Q
SF7253	FM18S98	1.22000	SMP1	S
SF7253	FM18D98	1.22000		S
SF7253	FM18S99	1.22000		S
SF7253	FM02R84	1.22000		S
SF7254	FF18S94	1.22000		S
SF7254	FF18S95	1.22000		S
SF7254	FF18D95	1.22000		S
SF7254	FF18S96	1.22000		S
SF7254	FF18S97	1.22000		S
SF7254	FF02R83	1.22000		S
	DIGESTION 60	1.00000		B
SF7253	FM18S98	1.22000	DUP1	S
SF7253	FM18S98	1.52000	SPK1	S
	SECOND INSTRUMENT	1.00000		B
	AQC SECOND	1.00000		Q
	AG SECOND	1.00000		Q
	HIGH SECOND	1.00000		Q
	SECOND INSTRUMENT	1.00000		B
	AQC SECOND	1.00000		Q
SF7256	FS19S01	1.22000	SMP2	S
SF7256	FS19D01	1.22000		S
SF7256	FS19S02	1.22000		S
SF7256	FS02R85	1.22000		S
CD07268	CS09S01	1.22000		S
CD07268	CS09D01	1.22000		S
CD07268	CS09S10	1.22000		S
CD07268	CS09S13	1.22000		S
CD07268	CS09S14	1.22000		S
CD07268	CS09R01	1.22000		S
	DIGESTION 73	1.00000		B
CD07268	FS19S01	1.22000	DUP2	S
CD07268	FS19S01	1.52000	SPK2	S
	THIRD INSTRUMENT	1.00000		B
	AQC THIRD	1.00000		Q
	AG THIRD	1.00000		Q
	HIGH THIRD	1.00000		Q
	FOURTH INSTRUMENT	1.00000		B

Al low out

Al low Sr out

	AQC FOURTH	1.00000		Q
	AG FOURTH	1.00000		Q
	HIGH FOURTH	1.00000		Q
CD07268	CS09R02	1.22000		S
SF7277	FJ21S47	1.22000	SMP3	S
SF7277	FJ21S48	1.22000		S
SF7277	FJ21D48	1.22000		S
SF7277	FJ21S49	1.22000		S
SF7277	FJ21S51	1.22000		S
SF7277	FJ21S51	1.22000		X
SF7277	FJ21S52	1.22000		S
SF7277	FJ21D52	1.22000		S
SF7277	FJ03R06	1.22000		S
SF7277	FJ03R07	1.22000		S
	DIGESTION 38	1.00000		B
SF7277	FJ21S47	1.22000	DUP3	S
SF7277	FJ21S47	1.52000	SPK3	S
	FIFTH INSTRUMENT	1.00000		B
	AQC FIFTH Bad AQC	1.00000		Q
	AG FIFTH	1.00000		Q
	HIGH FIFTH	1.00000		Q

not reported from this run

#1	.33920	.04360	.05850	15.262	7.3592	-.00360	8.8138
#2	.33880	.04360	.06300	15.327	7.4142	-.00400	8.8582
#3	.34360	.04360	.05460	15.484	7.4662	-.00160	8.9176

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	8.8632	.13413	.29333	-.00807	2.7439	.07560	28.986

#1	8.8138	.13320	.29160	-.01960	2.7308	.07560	28.872
#2	8.8582	.13280	.29120	-.01600	2.7476	.07480	28.994
#3	8.9176	.13640	.29720	.01140	2.7534	.07640	29.092

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	21.346	-.00160	.39580	2.8997	19.085	.13467	-.32367
#1	21.260	-.00140	.39010	2.9018	19.040	.13400	-.32480
#2	21.373	-.00220	.39330	2.8830	19.130	.13400	-.32440
#3	21.404	-.00120	.40400	2.9144	19.084	.13600	-.32180

Elem	Y	Znlow	Znhigh
Avge	14.493	.11760	.32387
#1	14.442	.11600	.32460
#2	14.524	.11760	.32020
#3	14.514	.11920	.32680

Method: SED5 Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.10507	.13020	.00513	-.01707	5.0342	.00013	19.586
#1	-.10390	.13080	.00940	.00780	5.0166	.00040	19.532
#2	-.10780	.12940	-.00060	-.04080	5.0430	-.00020	19.610
#3	-.10350	.13040	.00660	-.01820	5.0430	.00020	19.616

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	2.2621	24.277	15.703	-.01460	-.13133	5.5005	.01707
#1	2.2678	24.186	15.646	.00060	-.12740	5.4758	.02120
#2	2.2588	24.355	15.702	-.02680	-.13080	5.5224	.01560
#3	2.2598	24.290	15.761	-.01760	-.13580	5.5032	.01440

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01707	.18287	.32320	1.8730	.03653	16.893	.01100
#1	.02120	.18220	.32400	1.9096	.03800	16.850	.04120
#2	.01560	.18280	.32320	1.8400	.03600	16.907	-.00960
#3	.01440	.18360	.32240	1.8694	.03560	16.922	.00140

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.29547	1.3775	-.00047	-.00620	.04720	.13073	11.723
#1	.30680	1.3818	.00100	.00200	.05600	.13140	11.699
#2	.29280	1.3704	-.00340	-.00520	.04400	.13000	11.737
#3	.28680	1.3802	.00100	-.01540	.04160	.13080	11.735

Elem	Y	Znlow	Znhigh
Avge	.00647	14.541	.51773

#1	.01520	14.506	.51820
#2	.00220	14.557	.51880
#3	.00200	14.558	.51620

Method: SED5 Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01040	.47907	3.5447	.00413	.09760	11.705	.03613
#1	-.00940	.48000	3.5532	.01820	.10200	11.691	.03760
#2	-.01120	.47880	3.5442	-.01140	.09440	11.721	.03640
#3	-.01060	.47840	3.5366	.00560	.09640	11.703	.03440

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.34173	.04713	.00710	.03660	.00273	.00427	40.752
#1	.34400	.04840	.00410	.03740	.00080	.00560	40.839
#2	.34080	.04720	.00780	.03840	.00260	.00360	40.700
#3	.34040	.04580	.00940	.03400	.00480	.00360	40.716

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	40.752	3.9607	.61007	-.02507	.03613	.08667	-.00140
#1	40.839	3.9746	.61440	-.01320	.03600	.08840	-.00220
#2	40.700	3.9544	.60840	-.04340	.03640	.08640	.00020
#3	40.716	3.9530	.60740	-.01860	.03600	.08520	-.00220

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.28320	.00067	-.00030	.00427	.03847	11.909	.00567
#1	.28360	.00020	.00090	.00520	.03880	11.917	.00920
#2	.28560	.00100	-.00040	.00560	.03840	11.908	.00320
#3	.28040	.00080	-.00140	.00200	.03820	11.902	.00460

Elem	Y	Znlow	Znhigh
Avge	-.00013	.12760	.32920
#1	-.00040	.12640	.33320
#2	.00020	.12800	.32760
#3	-.00020	.12840	.32680

Method: SED5 Standard: cazn

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00810	.11840	-.09767	-.01973	.10453	.00463	.02547
#1	-.00740	.11920	-.09200	-.00420	.10680	.00630	.02560
#2	-.00920	.11800	-.10120	-.02960	.10520	.00380	.02520
#3	-.00770	.11800	-.09980	-.02540	.10160	.00380	.02560

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	79.046	212.14	.00407	.00167	-.00253	.00120	.02820
#1	79.557	212.15	-.00020	.00620	-.00160	.00200	.03360
#2	78.457	212.07	.00480	.00020	.00240	-.00040	.02660
#3	79.124	212.20	.00760	-.00140	-.00840	.00200	.02440

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.02820	.15393	.25787	-.01760	.04013	.07700	.04627
#1	.03360	.15580	.25960	-.01860	.04000	.07740	.06880
#2	.02660	.15240	.25600	-.04920	[illegible]	[illegible]	[illegible]

#3	.02440	.15360	.25800	.01500	.04040	.07760	.05600

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.30267	.00020	-.00047	-.00073	.05813	.15387	.00073
#1	.30520	.00340	.00030	.00320	.05840	.15640	.00220
#2	.30200	-.00200	-.00030	-.00740	.05800	.15240	-.00320
#3	.30080	-.00080	-.00140	.00200	.05800	.15280	.00320

Elem	Y	Znlow	Znhigh
Avge	.00120	479.74	8.3401
#1	.00160	479.73	8.3558
#2	.00080	479.74	8.3322
#3	.00120	479.75	8.3322

Method: SED5 Standard: alfe

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.05227	13.772	122.54	1.0533	.17320	.00340	.27427
#1	-.05310	13.800	122.62	1.0600	.16960	.00340	.27280
#2	-.05180	13.672	122.36	1.0224	.17760	.00340	.27040
#3	-.05190	13.843	122.63	1.0774	.17240	.00340	.27960

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.34047	.26873	-.01107	-.00293	-.00180	-.02987	.01987
#1	.34440	.34060	-.00800	-.00240	.00600	-.03080	.02040
#2	.34120	.26320	-.01260	-.00480	-.00720	-.02920	.02000
#3	.33580	.20240	-.01260	-.00160	-.00420	-.02960	.01920

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01987	144.15	13.834	-.01827	.03560	.20580	-.12780
#1	.02040	144.27	13.843	-.03380	.03560	.20520	-.13720
#2	.02000	143.81	13.819	.00060	.03560	.20620	-.12180
#3	.01920	144.36	13.839	-.02160	.03560	.20600	-.12440

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.33567	-.00033	.01230	-.03487	.03807	.13440	-.02227
#1	.33580	-.00200	.01130	-.03500	.03800	.13440	-.02520
#2	.33560	-.00040	.01080	-.03840	.03840	.13480	-.02040
#3	.33560	.00140	.01480	-.03120	.03780	.13400	-.02120

Elem	Y	Znlow	Znhigh
Avge	.00187	.33647	.32527
#1	.00320	.37740	.32440
#2	.00040	.33080	.32720
#3	.00200	.30120	.32420

Standardization Report Wed 08-08-90 12:39:39 PM page 1

Method: SED5

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.000	ten1	blnk	1726.02	13.9808	08/08/90 12:28:33
Alhigh	308.200	alfe	blnk	29.2922	-3.40180	08/08/90 12:38:02
Allow	396.100	ten3	blnk	2840.42	-68.3596	08/08/90 12:33:49
As	193.600	ten1	blnk	1988.39	72.9075	08/08/90 12:28:33
B	249.600	ten2	blnk	2017.59	-156.969	08/08/90 12:31:10
Ba	493.400	ten3	blnk	854.297	.284766	08/08/90 12:33:49
Be	234.800	ten2	blnk	511.186	-12.1662	08/08/90 12:31:10
Cahigh	315.800	cazn	blnk	5.08016	-1.56537	08/08/90 12:36:02
Calow	393.300	ten2	blnk	1.13381	-.002685	08/08/90 12:31:10
Cd	228.800	ten2	blnk	636.918	-1.57107	08/08/90 12:31:10
Co	228.600	ten1	blnk	650.957	2.95100	08/08/90 12:28:33
Cr	205.500	ten1	blnk	1348.73	1.61847	08/08/90 12:28:33
Cu	324.700	ten2	blnk	1818.34	-1.69711	08/08/90 12:31:10
Mghigh	279.553	ten3	blnk	1.41195	-.016108	08/08/90 12:33:49
Mglow	279.553	ten1	blnk	1.46136	-.019346	08/08/90 12:28:33
Felow	259.900	ten3	blnk	2608.97	-333.252	08/08/90 12:33:49
Fehigh	271.400	alfe	blnk	29.4396	-7.25785	08/08/90 12:38:02
K	766.400	ten2	blnk	52.9101	.899471	08/08/90 12:31:10
Li	670.700	ten1	blnk	3691.22	-128.454	08/08/90 12:28:33
Mn	257.600	ten2	blnk	594.502	-42.8834	08/08/90 12:31:10
Mo	202.000	ten1	blnk	345.019	-.828045	08/08/90 12:28:33
Na	589.000	ten1	blnk	4.74556	-1.29649	08/08/90 12:28:33
Ni	231.600	ten2	blnk	7255.14	6.28779	08/08/90 12:31:10
Pb	220.300	ten1	blnk	25325.0	-23.6367	08/08/90 12:28:33
Sn	189.900	ten1	blnk	3446.61	5.74435	08/08/90 12:28:33
Sr	421.500	ten1	blnk	524.984	-19.1094	08/08/90 12:28:33
Ti	334.900	ten3	blnk	848.988	-110.368	08/08/90 12:33:49
V	292.400	ten2	blnk	852.927	.739203	08/08/90 12:31:10
Y	371.000	ten1	blnk	689.903	1.10384	08/08/90 12:28:33
Znlow	213.800	ten2	blnk	693.241	-80.1386	08/08/90 12:31:10
Znhigh	481.000	cazn	blnk	49.8923	-16.1052	08/08/90 12:36:02

Method: SED5 Sample Name: cu for iec Operator:
Run Time: 08/08/90 12:41:05
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	L3.2210	L-.05273	L-31.431	L9.2791	19.503	L1.0536	L.03408
#1	L2.5861	L-.03320	L-22.914	L25.186	17.351	L1.1391	L.10224
#2	L4.8389	L-.05077	L-24.612	L21.607	21.386	L1.2245	L.10224
#3	L2.2381	L-.07421	L-46.766	L-18.956	19.772	L.79734	L-.10224

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00508	L.00778	L-1.4861	L2.4738	L.17983	10482.	-.02992
#1	L-.00271	L.00984	L-1.6984	L3.9931	L-.26975	10480.	-.02970
#2	L.00745	L.00714	L-2.9723	L-.30378	L-5.6647	10479.	-.02992
#3	L.01050	L.00635	L.21231	L3.7322	L6.4739	10486.	-.03014

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00280	L23.481	L-.00785	L-.43386	L.00000	L-.47560	L1.5411
#1	.00302	L34.090	L-.03925	L-.93122	L-1.4765	L-.31707	L.55203
#2	.00280	L19.480	L.00785	L1.0688	L.00000	L-.55487	L7.9354
#3	.00258	L16.871	L.00785	L-1.4392	L1.4765	L-.55487	L-3.8642

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.05758	L4.8368	167.15	L15.395	L.07000	L-.11320	L-.28431
#1	L.05885	L.48368	118.18	L11.259	L.00000	L-.33959	L-.96665
#2	L.05695	L3.3857	254.94	40.210	L.20999	L.00000	L2.1039
#3	L.05695	L10.641	128.31	L-5.2848	L.00000	L.00000	L-1.9902

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.55192	46.771	L-.08315
#1	L.82788	47.418	L-.12972
#2	L.55192	48.527	L-.05987
#3	L.27596	44.367	L-.05987

Method: SED5 Sample Name: AL FOR IEC Operator:
Run Time: 08/08/90 12:43:39
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.01053	L.97992	871.72	L5.3411	L.09651	L.01402	L.00102
#1	L.01170	L.97928	871.78	L5.2069	L.09382	L.01481	L.00128
#2	L.01683	L.99066	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#3	L.00306	L.97983	871.75	L5.3829	L.09785	L.01331	L.00077

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00011	L.00005	L.00218	L-.00012	L.03304	L.01061	-.00006
#1	L.00011	L.00005	L.00626	L-.00956	L.03911	L.01394	-.00006
#2	L.00012	L.00005	L.00483	L.00965	L.04046	L.00667	-.00006
#3	L.00011	L.00005	L-.00456	L-.00044	L.01956	L.01121	-.00006

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00002	L.09697	L.00023	L-.00009	L.00369	L.09750	L.01001
#1	.00002	L.10088	L.00031	L.00000	L.00369	L.09730	L.02777
#2	.00002	L.08914	L.00033	L-.00103	L.00369	L.09730	L.00104
#3	.00002	L.10088	L.00005	L.00077	L.00369	L.09789	L.00121

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00060	L.00363	L-1.8952	L.00402	L.00087	L.00566	L.01024
#1	L.00060	L-.03144	L-1.9458	L-.04940	L.00105	L.00764	L.01635
#2	L.00063	L.01572	L-1.7812	L.01608	L.00105	L.00594	L.00100
#3	L.00058	L.02660	L-1.9585	L.04538	L.00052	L.00340	L.01336

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00092	L.06609	L.00027
#1	L-.00138	L.06239	L.00045
#2	L.00345	L.06794	L.00030
#3	L.00069	L.06794	L.00007

Method: SED5 Sample Name: FE FOR IEC Operator:
Run Time: 08/08/90 12:46:16
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-.18669	L.00091	L.40249	L.21972	L.41798	L.00712	L.31958
#1	L-.19908	L.00116	L.66286	L.30058	L.42470	L.00626	L.32333
#2	L-.18785	L.00081	L.28934	L.09577	L.41058	L.00712	L.31412
#3	L-.17315	L.00075	L.25527	L.26280	L.41865	L.00797	L.32128

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00015	L-.00001	L-.02208	L.01182	L-.02113	L-.14122	-.00007
#1	L.00015	L-.00001	L-.02112	L.01519	L-.01888	L-.14971	-.00007
#2	L.00014	L-.00001	L-.01794	L.00542	L-.03507	L-.14062	-.00007
#3	L.00016	L-.00001	L-.02718	L.01486	L-.00944	L-.13334	-.00007

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

Avge	.00001	941.56	L1.0019	L.00039	L.00369	L.10245	L-.11414
#1	.00001	942.35	L1.0034	L-.00317	L.00185	L.10384	L-.12265
#2	.00001	938.14	L.99746	L.00034	L.00369	L.10087	L-.10799
#3	.00001	944.19	L1.0049	L.00399	L.00554	L.10265	L-.11179

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00018	L.00363	L2.5135	L-.25792	L.00122	L.00085	L-.04833
#1	L.00016	L.00121	L2.4734	L-.31996	L.00105	L.00085	L-.05445
#2	L.00019	L.00846	L2.4607	L-.24758	L.00105	L.00000	L-.04933
#3	L.00020	L.00121	L2.6064	L-.20622	L.00157	L.00170	L-.04122

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00644	L.13541	L-.00010
#1	L.00621	L.13588	L-.00022
#2	L.00552	L.13310	L-.00017
#3	L.00759	L.13726	L.00010

Method: SED5 Sample Name: AS FOR IEC Operator:
Run Time: 08/08/90 12:49:57
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	L2.0200	L-.02148	L-7.5771	10078.	119.04	L.59801	L.10224
#1	L4.6701	L-.02148	L-4.7371	10014.	116.62	L.71191	L.10224
#2	L-1.8910	L-.03906	L-4.1768	9988.6	118.23	L.45562	L-.10224
#3	L3.2809	L-.00391	L-13.817	10231.	122.27	L.62648	L.30671

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.00406	L-.00854	66.282	L-.56381	L3.6865	L-.96978	-.03174
#1	L-.00474	L-.00841	67.216	L-1.3448	L6.4739	L-.96978	-.03167
#2	L-.01693	L-.00864	66.579	L-2.5154	L-.26975	L-.96978	-.03188
#3	L.00948	L-.00856	65.051	L2.1688	L4.8554	L-.96978	-.03167

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00095	L23.655	L.01963	L.47266	L-.98432	L-.35670	L1.3341
#1	.00103	L28.873	L-.01570	L1.2169	L-1.4765	L-.31707	L4.5542
#2	.00081	L19.480	L-.02748	L-.01058	L-1.4765	L-.79267	L-3.5882
#3	.00103	L22.611	L.10206	L.21164	L.00000	L.03963	L3.0362

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.09491	L-1.9347	L16.883	L-24.126	L.03500	L-.22639	L2.2176
#1	L.08352	L-2.4184	L47.273	L-34.236	L.00000	L-.33959	L3.4686
#2	L.08732	L-8.2225	L-33.767	L-2.5275	L.00000	L-1.0188	L2.7862
#3	L.11390	L4.8368	L37.143	L-35.615	L.10500	[illegible]	[illegible]

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00000	L-.36973	L-.13305
#1	L.27596	L.27729	L-.19957
#2	L-1.3798	L-1.1092	L-.23948
#3	L1.1038	L-.27730	L.03991

Method: SED5 Sample Name: CR FOR IEC Operator:
Run Time: 08/08/90 12:52:38
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	L1.5860	L-.03515	L-50.545	L32.344	L3.0936	L.79734	L.17040
#1	L3.5434	L.00781	L-49.583	51.433	L4.4387	L.45562	L.30671
#2	L-.94936	L-.07421	L-54.723	L-1.8558	L1.2106	L.79734	L-.10224
#3	L2.1641	L-.03906	L-47.327	L47.456	L3.6317	L1.1391	L.30671

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.02337	L-.00841	L-1.5286	L2.9021	10313.	L-2.3032	-.03123
#1	L.04606	L-.00841	L2.1231	L5.5474	10382.	L-1.3334	-.03123
#2	L.00339	L-.00841	L-3.7366	L1.7761	10231.	L-3.1518	-.03123
#3	L.02066	L-.00841	L-2.9723	L1.3828	10324.	L-2.4244	-.03123

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00147	L16.002	L.32187	L-.05291	L-.24608	L.39634	L1.0581
#1	.00147	L24.698	L.42001	L.11640	L2.9530	L1.1097	L4.1402
#2	.00147	L10.610	L.24337	L.15873	L-2.2147	L-.55487	L-.41402
#3	.00147	L12.697	L.30225	L-.43386	L-1.4765	L.63414	L-.55203

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.02784	L-.72551	L-17.728	L-.91910	L.17499	L3.5092	L-29.170
#1	L.04746	L9.1898	L-5.9092	L-24.586	L.31499	L4.7543	L-28.943
#2	L.01898	L-10.399	L-64.157	L25.045	L.00000	L2.0376	L-30.307
#3	L.01708	L-.96735	L16.883	L-3.2168	L.20999	L3.7355	L-28.260

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.18397	L3.5124	L.04989
#1	L.00000	L5.5459	L.24946
#2	L-.55192	L2.2184	L-.13970
#3	L.00000	L2.7730	L.03991

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:	3	0	1	2	1
Affecting Element:	Fehigh	--n/a--	Cahigh	Alhigh	Fehigh
k1 factor:	-.18669	--n/a--	-.642	5.3411	.41798
k2 factor:	0	--n/a--	0	0	0
use?:	YES	--n/a--	YES	YES	YES
Affecting Element:	V	--n/a--	--n/a--	Fehigh	--n/a--
k1 factor:	-.00288	--n/a--	--n/a--	.21972	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	YES	--n/a--	--n/a--	YES	--n/a--
Affecting Element:	Ti	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	-.00043	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--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--	.31958	--n/a--	--n/a--	.006628
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--	-.02208
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	Mg	2Mg
Wavelength:	228.600	205.500	324.700	279.553	279.553
Use IECs:	NO	YES	YES	YES	YES
Number of IECs:	2	1	1	0	0
Affecting Element:	Ni	Fehigh	Fehigh	--n/a--	--n/a--
k1 factor:	0	-.02113	-.14122	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	NO	YES	YES	--n/a--	--n/a--
Affecting Element:	Ti	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	.00157	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--

Element:	Fe	Fe	K	Li	Mn
Wavelength:	259.900	271.400	766.400	670.700	257.600
Use IECs:	YES	NO	YES	YES	YES
Number of IECs:	0	0	0	0	1
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Fehigh
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	.10245
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES

Element:	Mo	Na	Ni	Pb	Sn
Wavelength:	202.000	589.000	231.600	220.300	189.900
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	1	0	0	3	2
Affecting Element:	Fehigh	--n/a--	--n/a--	Alhigh	Alhigh
k1 factor:	-.11414	--n/a--	--n/a--	-1.8952	.00402
k2 factor:	0	--n/a--	--n/a--	0	0
use?:	YES	--n/a--	--n/a--	YES	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	Cu	Fehigh
k1 factor:	--n/a--	--n/a--	--n/a--	.016715	-.25792
k2 factor:	--n/a--	--n/a--	--n/a--	0	0
use?:	--n/a--	--n/a--	--n/a--	YES	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	Fehigh	--n/a--
k1 factor:	--n/a--	--n/a--	--n/a--	2.5135	--n/a--
k2 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	--n/a--	YES	--n/a--

Element:	Sr	Ti	V	Y	Zn
Wavelength:	421.500	334.900	292.400	371.000	213.800
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	0	0	4	0	3
Affecting Element:	--n/a--	--n/a--	Cr	--n/a--	Cu
k1 factor:	--n/a--	--n/a--	-.00292	--n/a--	.004677
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	YES	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	Fehigh	--n/a--	Fehigh
k1 factor:	--n/a--	--n/a--	-.04833	--n/a--	.13541
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	YES	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	Mo	--n/a--	Ni
k1 factor:	--n/a--	--n/a--	0	--n/a--	0
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	NO	--n/a--	NO
Affecting Element:	--n/a--	--n/a--	Ti	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.0002	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	NO	--n/a--	--n/a--

Element:	Zn
Wavelength:	481.000
Use IECs:	YES
Number of IECs:	0

Method: SED5 Sample Name: FIRST INSTRUMENT Operator:
Run Time: 08/08/90 13:03:05
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	L2.5938	L-.04687	L-36.353	L25.701	L-3.0953	L.45562	L-.03533
#1	L1.5629	L-.03906	L-33.700	L-19.149	L-1.2188	L.11391	L-.00627
#2	6.0500	L-.05077	L-36.545	L47.723	L-4.4469	L.62648	L-.00627
#3	L.16846	L-.05077	L-38.814	L48.529	L-3.6202	L.62648	L-.09346

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00711	L.00013	L-.82841	L1.9104	L.09000	L.00055	-.02701
#1	L.01050	L.00000	L.97658	L-.69329	L2.9676	L1.9423	-.02730
#2	L.00339	L.00024	L-3.4156	L3.2125	L-2.1575	L-.23967	-.02687
#3	L.00745	L.00016	L-.04627	L3.2119	L-.54007	L-1.7010	-.02687

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00575	L-1.5654	L.00393	L.24691	L.49216	L-.31747	L1.2885
#1	.00545	L-3.4787	L.01963	L.25397	L.00000	L-.08128	L5.3845
#2	.00589	L.69572	L.01963	L.46561	L1.4765	L-.31908	L-1.3778
#3	.00589	L-1.9132	L-.02748	L.02116	L.00000	L-.55205	L-.14114

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00633	L3.3857	L-29.645	L18.383	L-.03500	L-.56599	L1.4789
#1	L-.00949	L-9.6735	L-13.662	L31.944	L.00000	L-.67919	L2.1135
#2	L.00190	L9.1898	L-69.363	L11.264	L.00000	L-.67919	L1.9280
#3	L-.01139	L10.641	L-5.9079	L11.941	L-.10500	L-.33959	L.39513

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.32195	L.18433	L-.03326
#1	L-.27596	L.26555	L-.01996
#2	L.55192	L.55306	L-.01996
#3	L.68990	L-.26562	L-.05987

Method: SED5 Sample Name: AQC FIRST Operator: MS
Run Time: 08/08/90 13:05:34
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	Q-72.258	5.7347	5162.7	5140.2	5135.6	5000.1	5165.1
#1	Q-73.611	5.7113	5168.8	5148.7	5128.7	5005.3	5156.9
#2	Q-70.940	5.7464	5195.3	5119.0	5144.4	5013.0	5171.0

#3	Q-72.204	5.7464	5134.2	5152.8	5131.8	4982.1	5163.8

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2834	5.1201	5090.6	5067.8	4984.2	5108.0	4.9949
#1	5.2420	5.1245	5082.7	5037.3	5005.3	5106.6	4.9896
#2	5.2989	5.1293	5087.8	5078.1	4971.0	5129.2	4.9927
#3	5.3091	5.1067	5101.2	5088.1	4976.4	5088.1	5.0023

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.1000	5070.3	6.9890	.12698	5088.5	5103.8	4960.3
#1	5.0946	5057.9	6.9085	.27513	5023.0	5100.4	4945.7
#2	5.0978	5071.0	7.0027	.46561	5215.0	5108.8	4973.8
#3	5.1075	5081.9	7.0557	-.35979	5027.4	5102.0	4961.2

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.07024	5153.6	5025.3	5032.7	5188.2	5007.1	4957.4
#1	.06644	5131.3	5025.4	5029.9	5194.7	5009.9	4952.1
#2	.07403	5193.7	5019.8	5082.3	5197.3	5010.0	4967.3
#3	.07024	5135.7	5030.5	4985.8	5172.5	5001.4	4952.7

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5145.8	5063.7	5.2154
#1	5151.8	5053.0	5.1289
#2	5143.9	5074.1	5.4083
#3	5141.7	5063.9	5.1090

Method: SED5 Sample Name: AG FIRST Operator: MS
Run Time: 08/08/90 13:09:17
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	54.963	1.3161	Q1336.1	Q-4.3875	Q16.257	Q1.5377	Q.77002
#1	53.180	1.3082	Q1313.2	Q-10.441	Q11.689	Q1.4808	Q.91010
#2	Q55.766	1.3200	Q1335.9	Q-9.7055	Q15.729	Q1.6516	Q.70939
#3	Q55.944	1.3200	Q1359.3	Q6.9840	Q21.354	Q1.4808	Q.69057

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.01084	Q.01349	Q-.47950	Q4.4695	Q-1.2579	Q1.2183	-.02425
#1	.00745	Q.01285	Q-.73687	Q5.5538	Q-.80857	Q1.9440	-.02425
#2	.00339	Q.01396	Q-1.1242	Q1.5194	Q-7.2827	Q.48766	-.02425
#3	.02168	Q.01365	Q.42252	Q6.3354	Q4.3176	Q1.2233	-.02425

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo

Avge	.00855	Q12.523	.04318	.42328	Q1.9686	Q.55045	Q.67196
#1	.00855	Q13.219	.03140	.98413	Q2.9530	Q.39312	Q.55561
#2	.00855	Q12.175	.01963	.88889	Q1.4765	Q.63213	Q2.1414
#3	.00855	Q12.175	.07851	-.60317	Q1.4765	Q.62610	Q-.68108

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.03638	Q3.6276	Q4.0536	Q.23562	Q.66498	Q.22640	Q3.5238
#1	.03512	Q17.170	Q21.784	Q-16.311	Q.83997	Q.67919	Q4.3207
#2	.03227	Q-5.3204	Q-13.595	Q32.628	Q.52498	Q-.33959	Q4.1306
#3	.04176	Q-.96735	Q3.9722	Q-15.610	Q.62998	Q.33960	Q2.1203

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q1.4258	Q7.8452	-.05987
#1	Q1.5178	Q8.0283	.00000
#2	Q1.6558	Q7.4821	-.10976
#3	Q1.1038	Q8.0252	-.06985

Method: SED5 Sample Name: HIGH FIRST Operator: MS
Run Time: 08/08/90 13:12:41
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	Q-.34591	103.95	Q105740.	Q33.751	Q9.1893	Q2.2212	Q1.1364
#1	Q-2.3610	103.26	Q105250.	Q22.148	Q13.072	Q2.1642	Q.95410
#2	Q.14527	104.19	Q105840.	Q4.3282	Q5.6044	Q1.8225	Q1.2069
#3	Q1.1780	104.41	Q106140.	Q74.776	Q8.8915	Q2.6768	Q1.2483

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	106.35	Q76.231	Q-2.2409	Q1.2489	Q6.6491	Q.81456	105.97
#1	105.13	Q76.195	Q-.44348	Q-.18239	Q-5.4190	Q.19941	105.02
#2	105.79	Q76.051	Q-7.8939	Q1.2503	Q9.1575	Q.26842	105.42
#3	108.13	Q76.447	Q1.6146	Q2.6789	Q16.209	Q1.9759	107.46

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	109.94	Q98645.	101.91	101.58	Q9.8432	Q18.492	Q13.863
#1	108.91	Q97895.	100.99	100.29	Q8.8589	Q18.349	Q11.596
#2	109.34	Q98405.	101.47	101.72	Q8.8589	Q18.299	Q13.169
#3	111.56	Q99635.	103.26	102.73	Q11.812	Q18.829	Q16.824

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	106.60	Q2.1765	Q-12.720	Q1.5102	Q3.6049	Q6.1127	Q5.2858
#1	105.53	Q-.96735	Q1.8016	Q23.793	Q3.5699	Q5.6033	Q4.7511
#2	107.05	Q-3.1439	Q-15.386	Q1.1676	Q3.3599	Q5.2637	Q4.3055
#3	107.23	Q10.641	Q-24.575	Q-20.430	Q3.8849	Q7.4711	[illegible]

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10426.	Q100020.	103.49
#1	Q10396.	Q99235.	102.66
#2	Q10416.	Q99748.	103.34
#3	Q10467.	Q101070.	104.47

Method: SED5 Sample Name: FM18S98 Operator: MS
Run Time: 08/08/90 13:17:31
Comment: SF7253
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-.22211	L.00953	L-63.044	L33.364	L6.7740	42.176	L.15916
#1	L.05266	L-.01906	L-72.814	L26.410	L6.7920	41.620	L-.07652
#2	L.27057	L.05241	L-58.632	L26.992	L4.3185	43.079	L.28848
#3	L-.98956	L-.00476	L-57.685	L46.688	L9.2115	41.829	L.26553

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	75.247	H80.553	L-.68113	L1.3742	L2.7484	L4.4766	20.456
#1	74.782	H80.365	L-2.8635	L3.5983	L.33415	L4.6184	20.345
#2	75.281	H80.613	L.39684	L-1.4850	L-.65251	L4.6225	20.480
#3	75.677	H80.680	L.42328	L2.0093	8.5635	L4.1890	20.542

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	20.820	L27.161	L.28254	L.19365	10.207	L1.4700	L-2.8861
#1	20.707	L30.132	L.23944	L1.0328	L9.0066	L.89417	L-.30941
#2	20.845	L25.039	L.26818	L-.34857	10.808	L1.9066	L-10.577
#3	20.907	L26.312	L.34001	L-.10328	10.808	L1.6092	L2.2276

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2.9274	L6.4909	L-20.335	L16.612	90.521	L1.5191	L1.8253
#1	2.8679	L-6.4909	L-14.104	40.709	90.180	L1.2429	L2.5793
#2	2.9340	L9.4414	L-4.7715	L-1.3327	90.692	L1.6572	L3.2021
#3	2.9803	16.522	L-42.129	L10.460	90.692	L1.6572	L-.30544

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.67334	L30.839	L.19884
#1	L.67334	L31.746	L.13391
#2	L.33667	L30.389	L.24347
#3	L1.0100	L30.382	L.21913

Method: SED5 Sample Name: FM18D98 Operator: MS

Run Time: 08/08/90 13:19:47
Comment: SF7253
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.05201	L.01906	L-51.841	L20.055	14.164	42.871	L-.04413
#1	L2.1604	L.03812	L-41.107	L35.798	17.112	42.662	L.03443
#2	L2.8026	L.03812	L-57.705	L28.518	16.122	43.079	L.02984
#3	L-4.8070	L-.01906	L-56.710	L-4.1524	L9.2595	42.871	L-.19666

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	76.504	H81.306	L-1.5775	L.47325	L2.6384	L5.2141	20.784
#1	76.671	H81.303	L.49420	L2.3257	L4.9423	L5.9556	20.810
#2	76.725	H81.285	L-2.4100	L-3.3924	L.99354	6.4013	20.837
#3	76.117	H81.330	L-2.8167	L2.4864	L1.9793	L3.2854	20.705

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	21.154	L23.766	L.26818	L-.00430	10.207	L1.9066	L3.1174
#1	21.181	L23.766	L.28254	L-.72296	10.808	L2.1953	L5.5042
#2	21.208	L26.312	L.29691	L.69714	10.808	L1.9037	L4.5799
#3	21.074	L21.220	L.22508	L.01291	L9.0066	L1.6209	L-.73197

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2.8992	L.59008	L-41.920	L2.3117	91.375	L2.0715	L.36751
#1	2.9131	L2.3603	L-54.291	L-3.8518	91.461	L2.4858	L.30556
#2	2.9085	L-1.1802	L-48.156	L2.0387	91.461	L2.4858	L3.0002
#3	2.8760	L.59009	L-23.314	L8.7482	91.204	L1.2429	L-2.2032

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.61723	L37.491	L.13797
#1	L.16834	L37.824	L.17043
#2	L1.3467	L38.496	L.21913
#3	L.33667	L36.152	L.02435

Method: SED5 Sample Name: FM18S99 Operator: MS
Run Time: 08/08/90 13:21:55
Comment: SF7253
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	L2.2062	L.03335	L-78.222	L34.484	28.511	42.385	L.05025
#1	L-.73456	L.03812	L-84.174	L45.930	30.788	42.454	L.20125
#2	L1.5740	L.03812	L-60.745	L14.895	28.849	42.454	L-.02525
#3	L5.7791	L.02382	L-89.749	L42.626	25.895	42.246	L-.02525

Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	89.388	H86.417	L-.86521	L2.5381	L-1.0865	263.02	34.724
#1	89.474	H86.394	L-1.7430	L2.9610	L-1.9631	262.44	34.707
#2	89.263	H86.441	L-.76180	L2.9623	L.66810	263.31	34.705
#3	89.426	H86.417	L-.09086	L1.6910	L-1.9646	263.31	34.759

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	35.369	L67.054	L.49325	7.6341	12.009	L3.9144	L-.56105
#1	35.352	L68.327	L.54114	7.5782	12.609	L4.4897	L4.6077
#2	35.350	L65.781	L.46931	8.0171	10.808	L3.9169	L-3.9031
#3	35.405	L67.054	L.46931	7.3071	12.609	L3.3366	L-2.3878

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	8.2658	L10.622	L8.8454	L2.0894	99.061	L2.0715	L2.5874
#1	8.2542	L-1.1802	L21.102	L3.7836	99.146	L2.4858	L1.9628
#2	8.3402	18.293	L-21.987	L30.676	99.146	L1.6572	L4.0482
#3	8.2030	L14.752	L27.421	L-28.192	98.890	L2.0715	L1.7512

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.44890	3391.3	L3.5628
#1	L.33667	3395.1	L3.6278
#2	L.00000	3385.4	L3.5304
#3	L1.0100	3393.4	L3.5304

Method: SED5 Sample Name: FM02R84 Operator: MS
Run Time: 08/08/90 13:24:33
Comment: SF7253
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	L2.6979	L.00477	L-21.139	L21.132	L1.5879	L1.3202	L.16733
#1	L-.19905	L-.01906	L-29.919	L-33.710	L2.9317	L.97276	L.10789
#2	L4.0459	L.00953	L-4.2682	51.502	L1.4068	L1.8066	L.32062
#3	L4.2469	L.02382	L-29.229	L45.605	L.42524	L1.1812	L.07346

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.17974	L.16193	L-.96611	L3.7569	L-3.7270	168.91	.00272
#1	L.17767	L.16451	L-.91506	L-.53075	L-8.5552	164.76	.00343
#2	L.18883	L.16325	L2.2525	L4.5500	L4.6108	172.76	.00343
#3	L.17271	L.15802	L-4.2357	7.2514	L-7.2366	169.21	.00130

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.04318	L17.400	L.12690	L-.38300	L2.4018	L1.1958	L-6.6080
#1	.04380	L17.127	L.05740	L-.50005	L.00000	L.76605	L-5.1101

#2	.04390	L17.400	L.16761	L.14201	L3.6026	L1.4818	L-7.0524
#3	.04174	L18.673	L.16043	L-.71005	L3.6026	L1.3374	L-4.3593

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.13741	L13.277	L-3.1333	L-25.477	L.81127	L1.3810	L2.2151
#1	L.13201	L2.3603	L-22.490	L-29.981	L.64048	L.82861	L.46319
#2	L.13664	18.293	L-16.679	L-13.132	L1.0248	L2.0715	L4.4613
#3	L.14359	19.178	L29.770	L-33.317	L.76857	L1.2429	L1.7209

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.44890	L33.812	L.25159
#1	L.00000	L32.376	L.07304
#2	L.33667	L35.029	L.34086
#3	L1.0100	L34.032	L.34086

Method: SED5 Sample Name: FF18594 Operator: MS
Run Time: 08/08/90 13:28:13
Comment: SF7254
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	L1.0501	L-.00715	L-39.245	L24.867	87.319	184.82	L-.11096
#1	L1.1169	L-.01191	L-37.150	L22.465	86.003	183.99	L-.23798
#2	L3.2383	L.00953	L-33.215	L19.923	87.969	184.82	L.00918
#3	L-1.2048	L-.01906	L-47.371	L32.213	87.984	185.66	L-.10407

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	54.021	H57.818	L-3.8611	L1.5877	L1.1043	24.007	29.168
#1	53.687	H57.686	L-2.9902	L-1.0059	L3.2984	22.825	29.028
#2	54.418	H57.760	L-.79751	L1.6923	L.99491	26.376	29.301
#3	53.958	H58.009	L-7.7954	L4.0767	L-.98039	22.821	29.174

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	29.698	L71.722	L.34719	L1.5922	15.912	5.4767	L6.3254
#1	29.555	L69.600	L.35437	L1.2523	16.212	5.3792	L1.4716
#2	29.834	L73.420	L.36156	L2.8273	16.212	5.6686	L13.427
#3	29.704	L72.147	L.32564	L.69714	15.311	5.3822	L4.0780

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	15.833	L4.4256	L27.549	L26.720	806.92	L.41431	L.85246
#1	15.908	L-5.6058	L19.303	L15.509	805.60	L.00000	L-.73634
#2	15.758	L7.6711	L-17.810	L34.012	806.36	L1.2429	L4.0439
#3	15.834	L11.212	81.155	L30.639	808.80	L.00000	L-.75021

Elem	Y	Znlow	Znhigh

Avge	L.05611	L23.409	L-.02435
#1	L-.33667	L24.203	L-.17043
#2	L-.16834	L23.509	L.14608
#3	L.67334	L22.515	L-.04870

Method: SED5 Sample Name: FF18S95 Operator: MS
Run Time: 08/08/90 13:30:33
Comment: SF7254
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	L1.8712	L-.01906	L-82.586	L26.015	34.408	76.431	L-.04209
#1	L3.8547	L.00953	L-68.064	L34.741	37.332	76.431	L-.06504
#2	L2.5567	L-.03335	L-97.781	L2.0070	30.494	76.848	L-.02372
#3	L-.79782	L-.03335	L-81.915	L41.296	35.399	76.014	L-.03749

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	72.874	H78.698	L-1.4387	L2.9625	L.35661	L4.0291	27.186
#1	73.545	H78.675	L-.40713	6.9315	L5.9526	L3.4477	27.343
#2	72.598	H78.914	L-1.4363	L3.7578	L.35540	L1.6547	27.145
#3	72.481	H78.504	L-2.4728	L-1.8017	L-5.2382	6.9849	27.071

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	27.677	1004.3	L1.3026	L.81764	13.210	56.439	L5.0875
#1	27.836	1016.8	L1.3744	L.60677	14.411	57.786	L4.9554
#2	27.635	1000.9	L1.2451	L.76169	12.609	55.478	L2.1625
#3	27.559	995.20	L1.2882	L1.0844	12.609	56.054	L8.1446

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.8377	L1.1802	L1.7719	L3.9803	276.09	L1.5191	L4.5038
#1	5.8106	L.59009	L29.462	L20.818	275.92	L2.6930	5.9804
#2	5.9186	16.522	L-4.2503	L-16.218	277.71	L.82861	L2.6280
#3	5.7839	L-13.572	L-19.896	L7.3405	274.64	L1.0358	L4.9030

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.33667	54.384	L.06493
#1	L1.1784	57.647	L.29217
#2	L.16834	53.275	L-.09739
#3	L-.33667	52.230	L.00000

Method: SED5 Sample Name: FF18D95 Operator: MS
Run Time: 08/08/90 13:36:33
Comment: SF7254
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	L2.6497	L.01429	L-87.714	L17.334	41.759	75.458	L.05739
#1	L1.6529	L.00953	L-86.273	L-2.5255	41.445	75.389	L.06810
#2	L5.4784	L.02382	L-68.579	L38.612	40.412	75.389	L.03137
#3	L.81774	L.00953	L-108.29	L15.914	43.420	75.597	L.07270

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	73.524	H78.529	L-.40382	L3.0135	L-1.0760	L2.2105	27.234
#1	73.250	H78.690	L-1.5680	L5.8206	L2.3239	L1.6142	27.192
#2	73.822	H78.354	L3.9120	L3.1185	L2.9845	L1.6304	27.297
#3	73.501	H78.543	L-3.5554	L.10134	L-8.5364	L3.3868	27.213

Elem	Malow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	27.725	592.45	L.99129	L.60247	12.609	53.957	L1.4601
#1	27.683	590.33	L.95777	L.60677	14.411	53.767	L-6.9622
#2	27.790	597.97	L1.0727	L.74878	10.808	54.335	L10.140
#3	27.704	589.06	L.94340	L.45185	12.609	53.768	L1.2021

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.7243	L2.6554	L-25.159	L20.719	273.02	L2.7620	L2.3340
#1	5.8327	L-6.4909	L-12.715	L24.916	273.61	L2.0715	L-.29379
#2	5.6283	L9.4414	L-31.515	L-15.422	272.08	L3.3145	L4.2922
#3	5.7119	L5.0157	L-31.247	52.664	273.36	L2.9001	L3.0037

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.22445	L19.364	L.25970
#1	L.00000	L19.146	L.17043
#2	L1.0100	L19.807	L.34086
#3	L-.33667	L19.140	L.26782

Method: SED5 Sample Name: FF18S96
Run Time: 08/08/90 13:38:36 Operator: MS
Comment: SF7254
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	L3.2240	L-.00238	L-72.843	92.930	97.520	192.92	L.11606
#1	L4.2058	L-.00476	L-70.783	94.562	102.45	192.95	L.03597
#2	L.83584	L-.01191	L-67.915	69.368	98.502	194.62	L.03137
#3	L4.6304	L.00953	L-79.832	114.86	91.610	191.18	L.28083

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	45.589	H47.789	L-1.1622	L2.5912	L2.4359	L2.6650	[illegible]

#1	45.559	H47.906	L-2.9863	L3.1205	L3.3133	L2.0720	23.685
#2	45.709	H48.043	L1.2216	L1.3746	L-2.6100	L4.2924	23.741
#3	45.498	H47.417	L-1.7219	L3.2787	L6.6045	L1.6304	23.631

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	24.109	735.90	L1.0679	L.72296	17.413	27.065	L8.9613
#1	24.109	741.84	L1.0583	L.49058	18.013	27.356	L11.149
#2	24.165	734.20	L1.0727	L.29693	16.212	26.774	L11.066
#3	24.054	731.65	L1.0727	L1.3814	18.013	27.064	L4.6684

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	17.274	L1.7703	L-33.630	L12.049	700.73	L1.9334	L1.9317
#1	17.569	L-6.4909	L-93.334	L12.327	702.74	L2.0715	L2.2113
#2	17.385	L12.982	L-6.9101	L18.217	704.14	L1.2429	L1.1542
#3	16.868	L-1.1802	L-.64566	L5.6028	695.31	L2.4858	L2.4297

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.39278	43.484	L.17449
#1	L.00000	43.150	L.06087
#2	L.33667	43.137	L.14608
#3	L.84168	44.165	L.31652

Method: SED5 Sample Name: FF18897 Operator: MS
Run Time: 08/08/90 13:40:44
Comment: SF7254
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	L3.1200	L.07862	L11.236	L33.191	155.70	181.07	L.01556
#1	L1.2265	L.06671	L7.2164	L15.618	155.68	181.07	L-.16299
#2	L2.7097	L.09530	L26.697	71.748	156.67	180.45	L.09106
#3	L5.4237	L.07385	L-.20672	L12.206	154.74	181.70	L.11861

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	36.573	H37.944	L-.20096	6.5076	L5.0643	6.3332	21.267
#1	36.430	H38.056	L-5.5747	6.7730	L.01902	L3.3808	21.247
#2	36.546	H37.776	L3.2220	8.2012	L7.9169	6.9281	21.231
#3	36.742	H37.999	L1.7498	L4.5487	L7.2569	8.6906	21.321

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	21.645	539.83	L.86199	L2.1302	15.011	8.5185	L13.652
#1	21.626	536.86	L.90030	L.92952	12.609	8.2245	L13.741
#2	21.610	538.13	L.88594	L3.1888	18.013	8.8062	L13.318
#3	21.701	544.50	L.79974	L2.2722	14.411	8.5249	L13.898

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	25.725	L2.6554	L19.504	L39.187	941.46	L2.9002	L3.3863
#1	26.019	L-1.1802	L-80.464	L17.332	944.20	L2.4858	L1.5697
#2	25.259	L6.7860	L33.884	66.104	936.64	L3.3145	5.5463
#3	25.896	L2.3603	105.09	L34.125	943.56	L2.9001	L3.0428

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.44890	602.48	L.91709
#1	L.00000	603.22	L.73042
#2	L.33667	595.60	L1.0226
#3	L1.0100	608.62	L.99824

Method: SED5 Sample Name: FF02R83 Operator: MS
Run Time: 08/08/90 13:42:45
Comment: SF7254
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	L2.8292	L.00000	L-7.0617	L-7.4540	L-2.9818	L1.0075	L.10330
#1	L.61986	L-.06194	L-9.8445	L-5.3126	L-5.3832	L.55586	L.14922
#2	L3.8404	L.03812	L2.6561	L-32.594	L.40422	L.76431	L.05739
#3	L4.0273	L.02382	L-13.997	L15.545	L-3.9664	L1.7023	L.10330

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.15577	L.14724	L-2.1507	L2.4340	L2.6341	64.638	-.00447
#1	L.13924	L.15066	L-1.6501	L-1.7995	L3.2893	64.026	-.00243
#2	L.17891	L.14659	L3.0439	L4.8676	L6.2571	66.285	-.00456
#3	L.14916	L.14446	L-7.8461	L4.2339	L-1.6440	63.603	-.00642

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.03589	L8.2756	L.06704	L.30984	L1.5011	L.52502	L2.3087
#1	.03796	L.84878	L-.07662	L.90370	L.00000	L-.23391	L2.8535
#2	.03580	L14.854	L.21071	L.40021	L1.8013	L1.0422	L5.5802
#3	.03391	L9.1244	L.06704	L-.37439	L2.7020	L.76678	L-1.5077

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.12815	L7.0810	L8.0200	L15.996	L.85397	L.89767	L2.9939
#1	L.10653	L7.6711	L22.692	L3.6247	L.76857	L-.41430	L.90772
#2	L.15285	L-6.4909	L6.6737	L37.337	L1.0248	L2.0715	L3.4276
#3	L.12506	20.063	L-5.3060	L7.0253	L.76857	L1.0358	L4.6463

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.11222	L22.919	L.11362
#1	L-1.0100	120.686	1.00000

#2	L.50501	L23.343	L.17043
#3	L.84168	L24.728	L.17043

Method: SED5 Sample Name: DIGESTION 60 Operator:
Run Time: 08/08/90 13:44:52
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	L2.0252	L-.05858	L-50.524	L15.418	L1.6009	L.68344	L-.01004
#1	L2.5968	L-.06249	L-55.258	L11.592	L-.01805	L.45562	L-.11604
#2	L2.6014	L-.05077	L-51.280	51.700	L4.4305	L.96820	L-.00627
#3	L.87756	L-.06249	L-45.035	L-17.038	L.39040	L.62648	L.09220

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.05487	L.05800	L.04712	L3.5582	L1.9788	L.12566	-.02097
#1	L.05520	L.05808	L.13643	L4.5133	L1.6194	L-1.3273	-.02097
#2	L.05724	L.05800	L-1.0216	6.4656	L1.0794	L-.23967	-.02076
#3	L.05216	L.05792	L1.0265	L-.30431	L3.2376	L1.9440	-.02119

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01187	L19.306	L.03140	L-.03880	L.98433	L.31385	L-1.2845
#1	.01187	L17.393	L.04318	L-.34921	L.00000	L.15411	L-5.3774
#2	.01209	L21.046	L.01963	L-.25397	L1.4765	L.63213	L-.41178
#3	.01164	L19.480	L.03140	L.48677	L1.4765	L.15532	L1.9357

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.04999	L7.4970	L-6.9454	L-1.8299	L.24499	L.22640	L1.9406
#1	L.05505	L12.092	L-33.971	L-34.914	L.10500	L.00000	L-.10691
#2	L.05695	L5.5623	L6.6118	L8.5069	L.41999	L.33960	L2.9609
#3	L.03796	L4.8368	L6.5235	L20.918	L.20999	L.33960	L2.9678

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.27596	L7.4360	L-.00333
#1	L.55192	L6.1009	L-.02994
#2	L.82788	L9.0106	L-.01996
#3	L-.55192	L7.1964	L.03991

Method: SED5 Sample Name: FM18S98 Operator: MS
Run Time: 08/08/90 13:47:04
Comment: SF7253
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.26085	L.00000	L-90.823	L24.449	[illegible]	[illegible]	

#1	L-4.3774	L-.01906	L-98.341	L44.853	L9.2655	43.288	L-.19207
#2	L1.5267	L-.00476	L-92.667	L49.127	11.205	43.496	L.03443
#3	L3.6333	L.02382	L-81.459	L-14.576	11.217	42.871	L-.08111

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	77.318	H82.129	L-2.2161	L1.4796	L-1.9693	L4.7677	20.974
#1	77.122	H82.296	L-3.4526	L2.9636	L-6.5773	L4.1707	20.985
#2	77.324	H82.029	L-2.8577	L.10264	L.66415	L4.1809	20.950
#3	77.509	H82.062	L-.33810	L1.3727	L.00536	L5.9515	20.988

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	21.348	L22.068	L.24902	L-.29693	12.609	L1.6185	L-2.0762
#1	21.359	L19.946	L.21071	L.10328	12.609	L1.3323	L-5.4479
#2	21.323	L23.766	L.28254	L-.82624	12.609	L2.1953	L.53736
#3	21.362	L22.493	L.25381	L-.16783	12.609	L1.3279	L-1.3180

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	3.0209	L12.982	L-56.319	L24.172	92.485	L1.7953	L1.0469
#1	3.0662	L14.752	L-66.548	L-3.0291	92.742	L.82861	L1.7253
#2	2.9931	L11.212	L-79.060	L25.582	92.485	L2.0715	L-.33126
#3	3.0035	L12.982	L-23.350	49.963	92.229	L2.4858	L1.7466

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00000	L27.346	L.16232
#1	L-.33667	L26.001	L.04869
#2	L.00000	L27.683	L.18261
#3	L.33667	L28.355	L.25565

Method: SED5 Sample Name: FM18S98 Operator: MS
Run Time: 08/08/90 13:49:11
Comment: SF7253
Mode: CONC Corr. Factor: 1.52

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	53.724	L.80140	664.72	L36.508	792.25	239.54	9.9523
#1	54.769	L.83108	664.61	81.888	792.46	239.62	9.9561
#2	53.191	L.75985	674.16	L19.408	796.76	240.14	9.9619
#3	53.211	L.81327	655.38	L8.2265	787.53	238.84	9.9390

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	129.30	H111.27	22.089	100.50	104.45	58.060	45.255
#1	129.14	H111.26	22.853	104.06	99.663	57.321	45.174
#2	129.21	H111.35	22.298	93.374	112.37	59.530	45.286
#3	129.56	H111.22	21.115	104.06	[illegible]	[illegible]	[illegible]

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	46.103	811.10	L1.4379	26.502	67.328	101.54	136.76
#1	46.020	806.87	L1.4260	27.215	67.328	101.30	138.82
#2	46.134	811.63	L1.4081	27.119	69.572	100.94	134.10
#3	46.154	814.81	L1.4797	25.172	65.084	102.38	137.36

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	53.663	164.68	796.33	583.28	1101.8	104.44	52.924
#1	53.602	157.33	769.48	583.27	1098.7	104.79	52.304
#2	54.513	174.97	827.09	612.61	1107.0	103.24	52.340
#3	52.874	161.74	792.41	553.95	1099.9	105.30	54.126

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	50.895	421.02	L.78870
#1	51.594	419.76	L.66736
#2	50.755	423.13	L.81903
#3	50.335	420.18	L.87970

Method: SED5 Sample Name: SECOND DIGESTION Operator:
Run Time: 08/08/90 13:51:14
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	L4.0144	L.04296	L-33.471	L23.455	L2.3374	L.62648	L.24274
#1	L2.9680	L.03125	L-41.607	L20.207	L.72992	L.45562	L.24775
#2	L5.9354	L.07811	L-18.320	L43.001	L3.5152	L.62648	L.21765
#3	L3.1398	L.01953	L-40.487	L7.1563	L2.7672	L.79734	L.26281

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.07180	L.02629	L-1.1489	L2.3828	L-1.3445	L-.09295	-.01756
#1	L.08264	L.03301	L-.17232	L.86394	L-1.0751	L-3.1257	-.01508
#2	L.07553	L.02444	L-2.2321	L.99280	L-6.4680	L2.7063	-.01814
#3	L.05724	L.02142	L-1.0422	L5.2918	L3.5096	L.14062	-.01945

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01533	L4.1743	L.20019	L.12346	L3.9373	L.93070	L-3.5193
#1	.01784	L4.8701	L.18449	L-.29630	L2.9530	L.85304	L-8.1214
#2	.01474	L5.9136	L.27870	L.96296	L4.4295	L1.3190	L-.38221
#3	.01341	L1.7393	L.13738	L-.29630	L4.4295	L.62006	L-2.0544

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.04682	L8.4643	L-4.6410	L24.637	L.76997	L2.5470	L2.1096

#1	L.04935	L-2.4184	L-51.846	L19.578	L.83997	L2.5470	L-.61970
#2	L.05505	L14.268	L21.351	L36.146	L.83997	L3.3960	L4.6573
#3	L.03607	L13.543	L16.573	L18.188	L.62998	L1.6980	L2.2913

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.55192	L.25062	L.41244
#1	L-.13798	L-.01036	L.41910
#2	L.55192	L-.32769	L.51888
#3	L1.2418	L1.0899	L.29935

Method: SED5 Sample Name: AQC SECOND Operator: MS
Run Time: 08/08/90 13:54:06
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	Q-73.673	5.8830	Q5253.5	5196.3	5205.7	5029.2	5245.0
#1	Q-77.253	5.8284	Q5251.8	5119.4	5190.0	5038.1	5225.2
#2	Q-70.128	5.8986	5235.4	5218.7	5195.1	5008.5	Q5250.4
#3	Q-73.638	5.9220	Q5273.4	Q5250.8	5232.2	5041.0	Q5259.5

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.3911	5.1850	5166.8	5160.4	5088.9	5144.4	5.0646
#1	5.3284	5.1859	5128.5	5112.2	5052.2	5145.9	5.0349
#2	5.4534	5.1736	5206.3	5187.8	5125.9	5128.1	5.0870
#3	5.3914	5.1955	5165.5	5181.2	5088.6	5159.0	5.0720

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.1708	5133.4	7.1970	-.33862	5243.5	5167.7	5046.0
#1	5.1406	5101.8	6.9968	-.26455	Q5251.9	5144.3	5011.6
#2	5.1934	5150.8	7.3207	.05291	5178.8	5173.1	5056.5
#3	5.1782	5147.7	7.2735	-.80423	Q5299.8	5185.7	5069.9

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.08289	5209.7	5050.6	5161.2	5223.5	5061.2	5024.0
#1	.07213	5169.0	5007.1	5112.6	5225.1	5050.8	4994.2
#2	.09112	5238.7	5090.2	5225.1	5211.3	5065.4	5047.6
#3	.08542	5221.3	5054.4	5145.8	5234.1	5067.3	5030.3

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5192.0	5138.5	5.4383
#1	5182.4	5110.5	5.2886
#2	5191.5	5164.2	5.5480
#3	5202.0	5140.6	5.4782

Method: SED5 Sample Name: AG SECOND Operator: MS
Run Time: 08/08/90 13:56:13
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	53.130	1.1462	Q1151.2	Q43.578	Q30.515	Q6.7205	Q6.0864
#1	Q55.098	1.1560	Q1149.6	Q48.418	Q32.642	Q6.0086	Q5.3860
#2	50.759	1.1442	Q1148.5	Q67.192	Q28.647	Q6.6920	Q6.2340
#3	53.533	1.1384	Q1155.3	Q15.125	Q30.256	Q7.4609	Q6.6392

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.03556	Q.01994	Q6.5908	Q9.8418	Q2.8782	Q4.6125	-.01843
#1	.02676	Q.01936	Q8.6831	Q9.7119	Q5.3971	Q4.1360	-.01945
#2	.04200	Q.01999	Q5.8178	Q10.884	Q-1.6183	Q2.6680	-.01814
#3	.03793	Q.02047	Q5.2715	Q8.9299	Q4.8558	Q7.0337	-.01770

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01445	Q14.610	.04318	-.27866	Q7.8746	Q6.0199	Q2.3971
#1	.01341	Q13.219	.10206	.10582	Q8.8589	Q5.6175	Q.42567
#2	.01474	Q13.219	.00785	-1.0370	Q7.3824	Q5.6272	Q-.68914
#3	.01518	Q17.393	.01963	.09524	Q7.3824	Q6.8149	Q7.4546

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.03354	Q16.687	Q-36.845	Q15.401	Q6.4398	Q5.9429	Q5.2986
#1	.03417	Q12.092	Q1.0209	Q9.9020	Q5.8798	Q5.7731	Q5.5363
#2	.03607	Q19.347	Q-49.390	Q25.043	Q6.2998	Q5.7731	Q3.4642
#3	.03037	Q18.622	Q-62.166	Q11.259	Q7.1398	Q6.2825	Q6.8954

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q6.3471	Q10.186	.07650
#1	Q5.7952	Q9.3949	.16963
#2	Q6.3471	Q10.524	.03991
#3	Q6.8990	Q10.640	.01996

Method: SED5 Sample Name: HIGH SECOND Operator: MS
Run Time: 08/08/90 13:58:11
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	Q-2.3288	102.62	Q104740.	Q-3.4214	Q15.387	Q1.8510	Q1.1818

#1	Q-2.7215	102.76	Q105210.	Q44.514	Q17.088	Q1.9934	Q.83869
#2	Q-2.5796	102.84	Q104890.	Q-41.774	Q12.728	Q1.7371	Q1.5123
#3	Q-1.6853	102.25	Q104120.	Q-13.004	Q16.347	Q1.8225	Q1.1943

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	104.42	Q75.930	Q1.8758	Q3.7224	Q4.5465	Q-.62854	103.56
#1	104.20	Q75.954	Q.98029	Q6.3264	Q8.0488	Q-3.5670	103.46
#2	103.81	Q75.945	Q2.8219	Q1.6406	Q1.5709	Q-2.1389	103.13
#3	105.26	Q75.891	Q1.8252	Q3.2002	Q4.0197	Q3.8203	104.09

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	107.33	Q96693.	100.27	101.05	Q10.335	Q18.105	Q3.9238
#1	107.22	Q96735.	100.07	101.24	Q10.335	Q17.967	Q-.37797
#2	106.87	Q96487.	99.879	101.17	Q8.8589	Q18.224	Q2.9127
#3	107.90	Q96859.	100.87	100.74	Q11.812	Q18.122	Q9.2366

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	106.22	Q6.7715	Q-21.250	Q-6.7184	Q3.7449	Q6.2259	Q2.0732
#1	107.47	Q7.7388	Q15.885	Q-41.238	Q3.7799	Q6.1127	Q-1.0539
#2	106.25	Q10.641	Q-49.357	Q2.1401	Q3.5699	Q5.4335	Q.62395
#3	104.93	Q1.9347	Q-30.279	Q18.943	Q3.8849	Q7.1315	Q6.6497

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10254.	Q98450.	101.94
#1	Q10259.	Q98441.	101.95
#2	Q10269.	Q98185.	101.72
#3	Q10234.	Q98725.	102.16

Method: SED5 Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00707	.11580	.01380	-.02533	.07893	.00043	.02440
#1	-.00740	.11520	.01000	-.02300	.07840	.00040	.02440
#2	-.00660	.11700	.02060	-.02880	.07960	.00080	.02440
#3	-.00720	.11520	.01080	-.02420	.07880	.00010	.02440

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.31347	.08847	.00010	-.00133	.00147	.00100	.02427
#1	.31240	.09500	-.00030	.00200	.00320	-.00040	.02640
#2	.31680	.08920	.00220	-.00480	-.00120	.00280	.02480
#3	.31120	.08120	-.00160	-.00120	.00240	.00060	.02160

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.02427	.13133	.24880	-.00887	.03507	.07233	.00267
#1	.02640	.13080	.24840	-.02760	.03480	.07160	.00440
#2	.02480	.13360	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#3	.02160	.12960	.24800	-.00900	.03520	.07260	-.00160

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.27633	.00017	.00130	.00560	.03693	.13047	.00053
#1	.27740	-.00030	.00060	.00320	.03680	.13000	-.00120
#2	.27760	.00140	.00280	.00200	.03720	.13180	.00480
#3	.27400	-.00060	.00050	.01160	.03680	.12960	-.00200

Elem	Y	Znlow	Znhigh
Avge	.00013	.12600	.32620
#1	.00000	.12840	.32520
#2	.00040	.12840	.32900
#3	.00000	.12120	.32440

Method: SED5 Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.57987	.12347	.06300	5.0981	.14093	.00087	.02587
#1	.57880	.12400	.06320	5.0908	.14160	.00120	.02600
#2	.58300	.12440	.06180	5.1326	.14200	.00080	.02600
#3	.57780	.12200	.06400	5.0708	.13920	.00060	.02560

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.34587	.05633	.05743	15.665	7.6249	-.00320	9.0475
#1	.34720	.05680	.06320	15.706	7.6746	-.00320	9.0692
#2	.34820	.05680	.05830	15.720	7.6536	-.00360	9.0664
#3	.34220	.05540	.05080	15.568	7.5466	-.00280	9.0068

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	9.0475	.13907	.29867	-.01533	2.7899	.07627	29.685
#1	9.0692	.13960	.30140	-.01760	2.7314	.07640	29.774
#2	9.0664	.13960	.30060	-.00600	2.7944	.07720	29.741
#3	9.0068	.13800	.29400	-.02240	2.8440	.07520	29.541

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	21.557	.00000	.40400	2.9887	19.300	.13627	-.34413
#1	21.136	.00140	.40720	3.0020	19.217	.13760	-.33840
#2	21.620	.00020	.40440	2.9990	19.266	.13680	-.34820
#3	21.914	-.00160	.40040	2.9652	19.418	.13440	-.34580

Elem	Y	Znlow	Znhigh
Avge	14.727	.12040	.32753
#1	14.698	.12160	.32900
#2	14.716	.12080	.33040
#3	14.768	.11880	.32320

Method: SED5 Standard: ten2

Elem	Ag	Alhigh	Allow	As	B

Avge	-.10510	.13073	.00793	.00693	5.1113	.00137	19.916
#1	-.10630	.13120	.00600	.01260	5.1062	.00120	19.942
#2	-.10520	.13020	.00860	.00320	5.1064	.00140	19.885
#3	-.10380	.13080	.00920	.00500	5.1214	.00150	19.920

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	2.3075	24.725	16.016	-.01213	-.13653	5.5723	.01973
#1	2.3180	24.719	16.060	-.00960	-.13280	5.5632	.02000
#2	2.2966	24.677	15.950	-.00920	-.13960	5.5652	.01960
#3	2.3080	24.780	16.039	-.01760	-.13720	5.5886	.01960

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01973	.18573	.32533	1.8661	.03667	17.091	.01473
#1	.02000	.18560	.32700	1.8594	.03680	17.075	.01480
#2	.01960	.18520	.32300	1.8792	.03680	17.076	.01940
#3	.01960	.18640	.32600	1.8596	.03640	17.122	.01000

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.29600	1.4050	-.00010	-.00373	.04780	.13073	11.938
#1	.29920	1.4092	-.00090	-.00040	.04840	.13120	11.960
#2	.29480	1.4018	.00040	-.01120	.04760	.13020	11.900
#3	.29400	1.4041	.00020	.00040	.04740	.13080	11.954

Elem	Y	Znlow	Znhigh
Avge	.00693	14.707	.52280
#1	.00720	14.741	.52460
#2	.00680	14.658	.51900
#3	.00680	14.724	.52480

Method: SED5 Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01093	.48387	3.5895	-.00407	.10533	11.831	.04587
#1	-.01200	.48160	3.5578	-.00660	.11440	11.731	.05180
#2	-.01020	.48280	3.6046	.00800	.10520	11.861	.04280
#3	-.01060	.48720	3.6060	-.01360	.09640	11.902	.04300

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.33940	.06827	.01120	.03900	.00180	.00640	40.960
#1	.34100	.07560	.01840	.04300	.00240	.00800	40.965
#2	.33960	.06400	.00830	.04160	-.00240	.00600	40.906
#3	.33760	.06520	.00690	.03240	.00540	.00520	41.009

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	40.960	3.9818	.60720	-.02147	.03553	.09427	-.00220
#1	40.965	3.9786	.60740	-.01440	.03580	.10040	.00100
#2	40.906	3.9754	.60900	-.02240	.03520	.09120	-.00940
#3	41.009	3.9914	.60520	-.02760	.03560	.09120	.00180

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.28000	.00080	-.00020	.00547	.03787	12.011	.01287
#1	.28360	.00060	.00060	.00920	.03800	11.965	.01580
#2	.27880	.00120	-.00040	.00120	.03800	12.014	.01320
#3	.27760	.00060	-.00080	.00600	.03760	12.053	.00960

Elem	Y	Znlow	Znhigh
Avge	.00053	.13033	.32507
#1	.00160	.13620	.32580
#2	.00000	.12760	.32420
#3	.00000	.12720	.32520

Standardization Report Wed 08-08-90 02:08:46 PM page 1

Method: SED5

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.000	ten1	blnk	1703.77	12.0400	08/08/90 02:03:17
Ti	334.900	ten3	blnk	841.746	-109.820	08/08/90 02:07:10
Allow	396.100	ten3	blnk	2796.68	-38.5942	08/08/90 02:07:10
As	193.600	ten1	blnk	1951.83	49.4463	08/08/90 02:03:17
B	249.600	ten2	blnk	1987.12	-156.850	08/08/90 02:05:34
Ba	493.400	ten3	blnk	845.254	-.366277	08/08/90 02:07:10
Be	234.800	ten2	blnk	502.732	-12.2666	08/08/90 02:05:34
Znlow	213.800	ten2	blnk	689.019	-86.8164	08/08/90 02:05:34
Calow	393.300	ten2	blnk	1.11458	-.035073	08/08/90 02:05:34
Cd	228.800	ten2	blnk	624.374	-.062437	08/08/90 02:05:34
Co	228.600	ten1	blnk	638.320	.851093	08/08/90 02:03:17
Cr	205.500	ten1	blnk	1311.74	-1.92388	08/08/90 02:03:17
Cu	324.700	ten2	blnk	1794.90	-1.79490	08/08/90 02:05:34
Y	371.000	ten1	blnk	679.025	-.090537	08/08/90 02:03:17
Mglow	279.553	ten1	blnk	1.43313	-.033177	08/08/90 02:03:17
Felow	259.900	ten3	blnk	2597.09	-341.084	08/08/90 02:07:10
V	292.400	ten2	blnk	837.703	-.446775	08/08/90 02:05:34
K	766.400	ten2	blnk	53.3352	.472906	08/08/90 02:05:34
Li	670.700	ten1	blnk	3629.94	-127.290	08/08/90 02:03:17
Mn	257.600	ten2	blnk	587.588	-42.5022	08/08/90 02:05:34
Mo	202.000	ten1	blnk	336.897	-.898392	08/08/90 02:03:17
Na	589.000	ten1	blnk	4.69920	-1.29855	08/08/90 02:03:17
Ni	231.600	ten2	blnk	7118.11	-1.18635	08/08/90 02:05:34
Pb	220.300	ten1	blnk	24832.4	-32.2821	08/08/90 02:03:17
Sn	189.900	ten1	blnk	3352.18	-18.7722	08/08/90 02:03:17
Sr	421.500	ten1	blnk	519.119	-19.1728	08/08/90 02:03:17

Method: SED5 Sample Name: SECOND INSTRUMENT Operator:
Run Time: 08/08/90 14:09:43
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-1.1301	L-.05077	L-15.097	L-7.4112	L6.7464	L1.2961	L.39466
#1	L-4.6643	L-.06249	L-25.722	L.20451	L9.2749	L1.7469	L.40344
#2	L-.56340	L-.03906	L-13.989	L9.0500	L4.8884	L1.3242	L.39215
#3	L1.8374	L-.05077	L-5.5808	L-31.488	L6.0758	L.81708	L.38839

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00745	L-.01123	L-1.0118	L.84960	L-2.2732	L-1.1933	-.01836
#1	L.01152	L-.01097	L-2.2492	L-.42757	L-10.319	L-3.2314	-.01552
#2	L-.00881	L-.01128	L-2.5568	L3.6582	L2.2743	L-.71353	-.01923
#3	L.01964	L-.01144	L1.7706	L-.68184	L1.2252	L.36508	-.02032

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00356	L-11.081	L.02355	L-1.3547	L-.24200	L-.04159	L-5.6572
#1	.00638	L-11.773	L-.00393	L-2.7272	L.48399	L.03957	L-10.332
#2	.00269	L-11.773	L.03140	L-.60447	L-.96798	L.03595	L-.22101
#3	.00161	L-9.6958	L.04318	L-.73247	L-.24200	L-.20029	L-6.4186

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.01222	L-4.5081	L-17.518	L-39.549	L.06922	L.95398	L.32959
#1	L-.01472	L-13.999	L-47.236	L-53.636	L.13843	L1.2907	L-2.4876
#2	L-.01284	L-5.4572	L-29.940	L-26.809	L-.06922	L.95398	L-.60616
#3	L-.00909	L5.9318	L24.622	L-38.204	L.13843	L.61728	L4.0825

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.67902	L-7.8984	L-.04657
#1	L-1.0412	L-8.2526	L-.06985
#2	L-.90537	L-8.5448	L-.02994
#3	L-.09054	L-6.8977	L-.03991

Method: SED5 Sample Name: AQC SECOND Operator: MS
Run Time: 08/08/90 14:11:43
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	Q-72.883	5.7972	5189.4	5009.0	5103.3	4979.1	5111.6
#1	Q-73.364	5.8284	5173.3	5005.3	5089.1	4975.6	5110.7
#2	Q-70.621	5.7347	5182.3	[illegible]	[illegible]	[illegible]	[illegible]

#3	Q-74.665	5.8284	5212.5	4983.0	5126.8	4999.0	5117.1

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2739	5.0799	4988.8	4985.4	4877.6	5085.7	5.0067
#1	5.2644	5.0751	4970.8	4977.3	4833.8	5072.6	5.0014
#2	5.2766	5.0657	5005.6	4990.6	4871.9	5081.6	5.0052
#3	5.2807	5.0989	4989.9	4988.4	4927.2	5102.8	5.0133

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0010	5048.0	6.9301	-.45868	5093.0	5047.3	4888.8
#1	4.9958	5033.8	6.8908	-.19912	5065.0	5030.8	4875.1
#2	4.9996	5059.8	6.9203	-.86048	5101.3	5050.0	4899.6
#3	5.0076	5050.5	6.9792	-.31646	5112.9	5061.0	4891.8

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.04731	5069.5	4891.6	4851.0	5171.9	4993.5	4895.5
#1	.03603	5031.3	4843.1	4907.3	5167.2	4985.1	4890.1
#2	.04919	5123.9	4947.0	4881.2	5156.5	4988.5	4893.7
#3	.05670	5053.4	4884.6	4764.6	5191.8	5006.8	4902.6

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5101.4	5031.2	5.0923
#1	5102.4	5018.8	5.0491
#2	5088.0	5032.4	5.1589
#3	5113.9	5042.2	5.0691

Method: SED5 Sample Name: FS19S01 Operator: MS
Run Time: 08/08/90 14:13:59
Comment: SF7256
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.85013	L-.05003	L22.244	L4.8536	36.170	33.927	1.2423
#1	L1.3976	L-.06194	L25.107	L10.635	47.165	34.202	1.6959
#2	L.15380	L-.04050	L20.418	L8.6169	33.592	33.686	1.2075
#3	L.99905	L-.04765	L21.207	L-4.6909	27.752	33.892	L.82347

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	32.877	H34.433	L-.08121	L2.0240	L.00167	L1.9090	11.763
#1	32.730	H34.433	L1.3783	L1.0372	L-5.5464	L2.1992	11.735
#2	32.867	H34.340	L-3.4836	L3.5292	L-1.0656	L.44641	11.745
#3	33.033	H34.526	L1.8617	L1.5057	L6.6170	L3.0812	11.808

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

Avge	11.729	L44.781	L.07902	L.62032	L5.3142	105.94	L.91325
#1	11.701	L43.936	L.06704	L-.12580	L4.1333	105.56	L-1.6638
#2	11.711	L43.936	L.05986	L1.3838	L5.9047	105.85	L2.6921
#3	11.773	L46.471	L.11014	L.60297	L5.9047	106.42	L1.7114

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	3.5365	L-1.1579	L-27.591	L-3.2511	97.532	L.47923	L1.2984
#1	3.5741	L5.4999	L-3.3522	L.01754	97.954	L.75308	L-.35360
#2	3.5258	L-1.4473	L-57.796	L-31.066	97.194	L.75308	L1.2943
#3	3.5097	L-7.5262	L-21.626	L21.295	97.448	L-.06846	L2.9544

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.93887	L31.699	L-.21913
#1	L1.2150	L31.587	L-.31652
#2	L1.0493	L31.596	L-.19478
#3	L.55227	L31.914	L-.14609

Method: SED5 Sample Name: FS19D01 Operator: MS
Run Time: 08/08/90 14:16:20
Comment: SF7256
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.78541	L-.08577	L-41.636	L-20.203	20.642	33.033	L.00645
#1	L1.8196	L-.09053	L-43.922	L-.17249	23.880	33.171	L.09206
#2	L.99023	L-.09053	L-31.642	L-58.752	16.119	33.789	L-.03290
#3	L-.45362	L-.07624	L-49.345	L-1.6839	21.928	32.139	L-.03979

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	33.643	H35.073	L1.4566	L-.77746	L-5.9723	L2.0590	12.026
#1	33.626	H35.057	L-1.5964	L-1.7638	L-14.508	L2.6413	12.021
#2	33.621	H35.110	L2.6769	L4.1547	L-1.7048	L2.2043	12.031
#3	33.682	H35.051	L3.2894	L-4.7233	L-1.7044	L1.3315	12.025

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	11.990	L40.345	L.10775	L.49452	L4.4285	107.28	L1.7386
#1	11.985	L40.134	L.09578	L.81119	L3.2476	107.57	L-.09867
#2	11.995	L41.401	L.10296	L.42078	L4.1333	106.99	L2.9437
#3	11.990	L39.500	L.12451	L.25160	L5.9047	107.28	L2.3707

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	3.6173	L-11.000	L-4.5072	L-25.328	97.743	L-.82154	L1.2142
#1	3.6269	L-20.552	L38.928	L-10.608	97.701	L-.89001	L.23484
#2	3.5878	L-11.868	L5.5919	L-13.060	97.954	L-.89001	L.47693
#3	3.6372	L-.57894	L-58.041	[illegible]	[illegible]	[illegible]	[illegible]

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.71796	L14.995	L-.12580
#1	L-.44182	L15.106	L-.18261
#2	L-.60750	L14.098	L-.09739
#3	L-1.1045	L15.780	L-.09739

Method: SED5 Sample Name: FS19S02 Operator: MS
Run Time: 08/08/90 14:18:25
Comment: SF7256
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-1.0697	L-.01906	L3.3429	L-7.7169	18.833	23.580	L-.13993
#1	L-2.1213	L-.01906	L2.6740	53.725	19.492	23.374	L-.29431
#2	L.60684	L-.01906	L17.635	L-62.022	20.910	23.683	L-.07652
#3	L-1.6946	L-.01906	L-10.280	L-14.854	16.098	23.683	L-.04897

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	60.478	H64.269	L1.2739	L-2.9586	L-3.1968	L4.8432	20.133
#1	60.500	H64.488	L-1.0383	L-5.0342	L-4.2643	L3.5253	20.144
#2	60.419	H64.222	L1.8637	L-.51906	L-.42169	6.1652	20.123
#3	60.517	H64.096	L2.9964	L-3.3226	L-4.9044	L4.8392	20.131

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	20.065	L.84489	L.18198	L.07374	10.038	8.9182	L-2.3631
#1	20.076	L-.42248	L.15324	L-.76348	L9.4475	8.9211	L-7.4904
#2	20.056	L4.6470	L.23944	L.75914	L9.4475	8.9123	L-1.5619
#3	20.063	L-1.6899	L.15324	L.22557	11.219	8.9211	L1.9630

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4.2105	L-6.0789	L-66.215	L-33.488	68.652	L-.41077	L1.7709
#1	4.2289	L-3.1842	L-100.46	L-48.218	68.821	L-1.0954	L-.55010
#2	4.2702	L-10.131	L-12.859	L-14.661	68.568	L-.06846	L2.7357
#3	4.1324	L-4.9210	L-85.330	L-37.585	68.568	L-.06846	L3.1272

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-1.1598	57.338	L.02841
#1	L-.93887	56.115	L-.03652
#2	L-.77318	58.108	L.00000
#3	L-1.7673	57.790	L.12174

Method: SED5 Sample Name: FS02R85 Operator: MS

Run Time: 08/08/90 14:20:28
Comment: SF7256
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-.64434	L-.09053	L-3.5506	L-33.307	L.69051	L.17187	L-.33433
#1	L.54788	L-.07624	L.09735	L-4.9797	L4.5453	L.37811	L-.35269
#2	L-1.7650	L-.10483	L-15.614	L-38.622	L-.26720	L-.24062	L-.20248
#3	L-.71587	L-.09053	L4.8653	L-56.319	L-2.2066	L.37811	L-.44781

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.13842	L.13604	L2.3005	L-2.6446	L-3.6296	123.49	-.00846
#1	L.15164	L.13928	L1.1746	L-3.4764	L-4.9087	125.25	-.00722
#2	L.12561	L.13699	L3.1476	L-3.6308	L-5.5506	123.05	-.00829
#3	L.13800	L.13185	L2.5794	L-.82669	L-.42959	122.17	-.00988

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01819	L-12.674	L-.10535	L-1.1626	L-1.7714	L-.56270	L-5.9306
#1	.01943	L-11.829	L-.04789	L-.46416	L-1.1809	L-.37742	L-1.8413
#2	.01837	L-13.096	L-.13409	L-.85457	L-2.9523	L-.79871	L-6.3723
#3	.01678	L-13.096	L-.13409	L-2.1690	L-1.1809	L-.51196	L-9.5782

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.08065	L-5.7894	L-21.158	L-50.466	L-.12666	L-1.9854	L-.08381
#1	L.07835	L-6.6578	L-50.590	L-60.539	L-.08444	L-1.3008	L1.0735
#2	L.08523	L-5.7894	L10.200	L-58.107	L-.08444	L-2.1223	L-2.4073
#3	L.07835	L-4.9210	L-23.083	L-32.751	L-.21111	L-2.5331	L1.0824

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.88364	L16.081	L-.15014
#1	L-.77318	L15.056	L-.09739
#2	L-.77318	L17.263	L-.19478
#3	L-1.1045	L15.923	L-.15826

Method: SED5 Sample Name: CS09S01 Operator: MS
Run Time: 08/08/90 14:22:36
Comment: CD07268
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	L1.6820	L.17153	227.71	L.96829	2290.8	9.6590	L-.35695
#1	L3.4883	L.16677	224.73	L-10.597	2287.2	9.8652	L-.27824
#2	L1.4090	L.19536	228.87	L-19.327	2282.3	9.6590	L-.28512
#3	L.14859	L.15247	229.53	L32.829	2302.7	9.4528	L-.50750

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh

Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	33.329	H34.779	L2.4586	L-.00097	L.21535	15.780	6.7125
#1	33.291	H34.680	L2.2815	L.56926	L-6.8259	16.657	6.7076
#2	33.368	H34.701	L4.6251	L1.5044	L5.9772	16.222	6.7002
#3	33.328	H34.957	L.46913	L-2.0766	L1.4947	14.460	6.7297

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	6.7026	111.95	L.09338	5.4051	L7.3809	50.123	L5.6279
#1	6.6977	108.57	L.10296	5.3790	L9.4475	49.644	L8.5334
#2	6.6903	113.64	L.12451	5.9647	L6.7904	50.502	L3.1927
#3	6.7197	113.64	L.05268	L4.8715	L5.9047	50.222	L5.1574

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	49.012	L-.86841	L5.8857	L-17.426	84.443	L.61616	L.48207
#1	48.937	L-3.1842	75.518	L-42.507	84.021	L1.1639	L1.4840
#2	49.299	L-4.9210	L-36.568	L-35.958	84.274	L.75308	L-.11281
#3	48.801	L5.4999	L-21.292	L26.187	85.034	L-.06846	L.07504

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.88364	65.144	L-.21507
#1	L-.44182	64.803	L-.15826
#2	L-.77318	65.811	L-.24348
#3	L-1.4359	64.820	L-.24348

Method: SED5 Sample Name: CS09D01 Operator: MS
Run Time: 08/08/90 14:24:33
Comment: CD07268
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	L1.4064	L.12150	171.32	L-11.462	2206.6	9.3840	L-.31224
#1	L.15915	L.13818	162.87	L14.320	2199.4	9.8652	L-.40090
#2	L3.9035	L.12389	181.45	L-7.5105	2219.3	9.2465	L-.27824
#3	L.15661	L.10244	169.63	L-41.195	2200.9	9.0403	L-.25758

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	32.653	H33.808	L2.8454	L1.3484	L1.0686	18.552	6.5552
#1	32.598	H33.805	L4.5539	L2.9055	L6.2968	18.847	6.5518
#2	32.851	H33.832	L-.32881	7.1108	L3.0961	19.723	6.5793
#3	32.510	H33.787	L4.3111	L-5.9710	L-6.1871	17.086	6.5346

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	6.5461	105.19	L.08141	5.6610	L6.4952	45.345	L3.9550
#1	6.5437	106.04	L.10296	5.8475	L5.9047	45.629	L14.963

#2	6.5701	103.50	L.10296	6.3160	L7.6761	45.343	L4.4233
#3	6.5256	106.04	L.03831	L4.8194	L5.9047	45.062	L-7.4213

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	47.368	L-9.5525	L12.844	L-31.334	81.952	L.89001	L1.7785
#1	47.369	L-17.079	L-45.755	L-26.148	81.995	L1.1639	L.29588
#2	47.563	L-4.9210	L51.149	L-10.607	81.995	L1.1639	L1.3085
#3	47.173	L-6.6578	L33.137	L-57.246	81.868	L.34230	L3.7311

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.82841	56.951	L-.06899
#1	L-.93887	58.068	L-.06087
#2	L-.44182	56.046	L.02435
#3	L-1.1045	56.740	L-.17043

Method: SED5 Sample Name: CS09S10 Operator: MS
Run Time: 08/08/90 14:26:29
Comment: CD07268
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	L1.4033	L6.1823	6221.9	L7.2925	141.24	68.679	L-.38177
#1	L3.0584	L6.1394	6168.0	L36.107	147.08	68.232	L-.36647
#2	L1.4002	L6.2108	6238.2	L-3.3364	140.27	68.954	L-.25758
#3	L-.24858	L6.1966	6259.6	L-10.893	136.37	68.850	L-.52127

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	108.97	H87.856	L9.3728	L-.00097	32.541	69.787	.01710
#1	108.23	H87.769	L8.3682	L-.52035	23.258	67.445	.01781
#2	109.14	H87.872	L9.6970	L.72565	35.741	70.516	.01674
#3	109.55	H87.926	10.053	L-.20820	38.623	71.400	.01674

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.04360	L36.332	L.04310	L.89361	L9.1523	L1.0948	L7.9512
#1	.04431	L36.332	L-.00479	L1.2016	L7.6761	L.90851	L8.2745
#2	.04325	L33.797	L.03831	L1.0845	11.219	L.90409	L10.910
#3	.04325	L38.866	L.09578	L.39475	L8.5618	L1.4717	L4.6691

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	242.53	L-3.7631	288.15	L-30.277	91.959	L.61615	L3.2311
#1	241.94	L5.4999	377.10	L-47.466	91.368	L.75308	L3.6105
#2	243.35	L3.7631	219.53	L-13.102	92.381	L.75308	L2.4226
#3	242.31	L-20.552	267.82	L-30.264	92.128	L.34230	L3.6602

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L

Avge	L-.66273	46.798	L-.12985
#1	L-.60750	44.910	L-.17043
#2	L-.77318	48.756	L-.14609
#3	L-.60750	46.727	L-.07304

Method: SED5 Sample Name: CS09S13 Operator: MS
Run Time: 08/08/90 14:28:48
Comment: CD07268
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-.75669	L.10959	110.30	L-18.216	H45134.	23.787	L.04116
#1	L-5.7788	L.05956	107.87	L-34.270	H45030.	23.271	L-.20068
#2	L.03483	L.10244	104.57	L-7.8226	H45105.	23.993	L.05383
#3	L3.4739	L.16677	118.47	L-12.557	H45266.	24.096	L.27032

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	21.584	H21.046	L2.7449	L-.10781	L-1.5380	16.149	3.6636
#1	21.336	H21.085	L1.3501	L-4.8826	L-5.5950	14.086	3.6424
#2	21.514	H21.054	L2.3930	L-3.0136	L4.3263	16.272	3.6581
#3	21.903	H20.998	L4.4915	7.5728	L-3.3452	18.091	3.6904

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	3.6697	12761.	L13.050	29.901	L5.9047	404.07	L-2.0452
#1	3.6486	12674.	L12.911	29.598	L4.1333	401.60	L-2.4995
#2	3.6642	12744.	L12.882	29.220	L7.6761	403.04	L-2.2562
#3	3.6964	12864.	L13.356	30.886	L5.9047	407.57	L-1.3800

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	H710.31	21.710	L-25.793	L-16.810	51.679	L2.5331	L-2.3717
#1	H718.64	L12.447	L12.870	L-62.105	51.595	L1.5746	L-4.8430
#2	H709.04	28.079	L-102.14	L-11.401	51.595	L1.5746	L-5.2242
#3	H703.25	24.605	L11.886	L23.074	51.848	L4.4500	L2.9523

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-1.4359	L12.392	L.00812
#1	L-2.7614	L11.636	L-.17043
#2	L-.77318	L10.957	L.00000
#3	L-.77318	L14.583	L.19478

Method: SED5 Sample Name: CS09S14 Operator: MS
Run Time: 08/08/90 14:32:11
Comment: CD07268
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.60100	L1.1268	1193.0	L-18.457	76.017	24.715	L-.40822
#1	L1.8424	L1.1459	1181.8	L-4.9028	81.033	24.818	L-.32185
#2	L2.7029	L1.1387	1201.6	L-25.362	77.118	24.818	L-.34940
#3	L-2.7423	L1.0958	1195.4	L-25.105	69.899	24.508	L-.55341

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L17.935	18.668	L3.0479	L1.8175	22.837	L4.7074	2.6497
#1	L17.938	18.649	L4.0750	L4.3095	25.183	L4.8513	2.6520
#2	L17.981	18.665	L2.9937	6.6454	20.704	6.6153	2.6531
#3	L17.886	18.691	L2.0751	L-5.5024	22.622	L2.6555	2.6439

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	2.6613	316.42	L.25381	L.40343	L2.9524	5598.9	L2.1388
#1	2.6636	313.89	L.23944	L.14749	L2.3619	5604.0	L-1.7263
#2	2.6647	317.69	L.32564	L1.2016	L5.9047	5605.7	L10.121
#3	2.6556	317.69	L.19634	L-.13881	L.59047	5586.9	L-1.9779

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4.4859	232.44	L-132.89	L-42.744	47.626	L-.27385	L-.19365
#1	4.4495	233.02	L-125.75	L-31.842	47.542	L-.27385	L-1.2776
#2	4.5230	222.60	L-165.40	L-71.899	47.795	L-.06846	L3.2103
#3	4.4851	241.71	L-107.52	L-24.492	47.542	L-.47924	L-2.5136

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.88364	L29.197	L-.11362
#1	L-.44182	L30.543	L-.17043
#2	L-.77318	L28.505	L-.09739
#3	L-1.4359	L28.542	L-.07304

Method: SED5 Sample Name: CS09R01 Operator: MS
Run Time: 08/08/90 14:34:15
Comment: CD07268
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.68174	L-.10483	L-16.767	L-4.1857	19.265	L.65310	L-.38440
#1	L-.28190	L-.13342	L-19.721	L14.849	20.540	L.79059	L-.47995
#2	L1.3694	L-.09053	L-15.633	L1.7767	21.055	L.79059	L-.21166
#3	L.95772	L-.09053	L-14.946	L-29.182	16.200	L.37811	L-.46159

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.10206	L.10262	L1.3718	L.36460	L-2.5621	L-.44878	-.02444

#1	L.10578	L.10386	L2.2622	L.72823	L-8.7491	L.43322	-.02426
#2	L.09710	L.10396	L3.4137	L-2.0753	L.21115	L-1.3287	-.02426
#3	L.10330	L.10005	L-1.5606	L2.4408	L.85158	L-.45081	-.02479

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00232	L-8.8717	L-.07662	L-1.0368	L-.59047	L1.9673	L1.4709
#1	.00249	L-9.2941	L-.03352	L-.73745	L-1.1809	L1.4849	L-5.2100
#2	.00249	L-10.561	L-.10535	L-2.3772	L-1.1809	L2.6393	L3.9885
#3	.00196	L-6.7594	L-.09099	L.00434	L.59047	L1.7776	L5.6342

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.10664	L-5.7894	L-13.127	L-35.463	L-.08444	L-.75308	L1.2152
#1	L.10129	L-10.131	L-3.2054	L-15.549	L-.08444	L-.89001	L.65419
#2	L.10817	L-7.5262	L-2.9141	L-27.836	L-.08444	L-.89001	L1.2901
#3	L.11046	L.28947	L-33.260	L-63.004	L-.08444	L-.47924	L1.7014

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-1.3255	L4.9440	L-.09739
#1	L-1.4359	L5.0461	L-.19478
#2	L-1.4359	L5.4003	L-.13391
#3	L-1.1045	L4.3856	L.03652

Method: SED5 Sample Name: DIGESTION 73 Operator:
Run Time: 08/08/90 14:36:18
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	L-.57964	L-.09764	L-16.743	L11.596	L2.8082	L-.14088	L-.38211
#1	L-1.9515	L-.09764	L-26.812	L-7.7873	L4.9377	L-.36628	L-.37459
#2	L2.1505	L-.10936	L-8.3533	L27.007	L1.3411	L-.19723	L-.38964
#3	L-1.9379	L-.08592	L-15.065	L15.567	L2.1458	L.14088	L-.38211

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.05724	L.05403	L1.2538	L-1.4441	L-4.1989	L-.60717	-.02032
#1	L.05622	L.05455	L-1.6361	L-.16749	L-2.9751	L-1.0891	-.02032
#2	L.05724	L.05392	L1.1313	L-1.9543	L-2.9741	L-.36452	-.02032
#3	L.05825	L.05361	L4.2661	L-2.2106	L-6.6475	L-.36785	-.02032

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00161	L-4.5016	L-.06280	L-.82492	L-1.4520	L-.42447	L3.1597
#1	.00161	L-3.4628	L-.08636	L-1.7672	L-.96798	L-.42206	L-1.1104
#2	.00161	L-4.5016	L-.03925	L-.55113	L-.96798	L-.42688	L6.6436
#3	.00161	L-5.5405	L-.06280	L-.15645	L-2.4200	L-.42447	L3.9458

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.03039	L2.1354	L-54.648	L-5.3793	L-.27686	L-1.7396	L.26395
#1	L.03603	L11.626	L-59.548	L-38.907	L-.27686	L-1.7396	L-1.2973
#2	L.02851	L.23727	L-49.767	L17.422	L-.27686	L-2.0763	L.21281
#3	L.02663	L-5.4572	L-54.630	L5.3476	L-.27686	L-1.4029	L1.8764

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-1.0412	L2.9512	L-.16298
#1	L-1.1770	L3.0485	L-.23948
#2	L-.90537	L3.8655	L-.18959
#3	L-1.0412	L1.9395	L-.05987

Method: SED5 Sample Name: FS19S01 Operator: MS
Run Time: 08/08/90 14:38:37
Comment: CD07268
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	L1.6383	L-.03812	L-13.828	L1.4283	18.985	32.483	L-.47470
#1	L3.3095	L-.03335	L-16.283	L-27.179	22.850	32.346	L-.56719
#2	L3.5151	L-.01906	L-8.7688	L4.6561	20.916	32.552	L-.31726
#3	L-1.9097	L-.06194	L-16.432	L26.808	13.189	32.552	L-.53964

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	34.087	H35.117	L.29977	L.57033	L-5.4367	L1.1970	12.094
#1	34.160	H34.972	L.10926	L-.52099	L-7.7832	L3.0995	12.081
#2	34.173	H35.108	L-1.2447	L2.2832	L-3.6226	L.46974	12.119
#3	33.928	H35.270	L2.0347	L-.05116	L-4.9044	L.02164	12.083

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	12.058	L51.118	L.20592	L.09110	L2.9523	107.94	L2.2156
#1	12.045	L54.075	L.23944	L.82421	L4.1333	106.98	L1.3974
#2	12.083	L49.005	L.22508	L-.08676	L2.3619	108.70	L-1.0703
#3	12.047	L50.273	L.15324	L-.46416	L2.3619	108.13	L6.3197

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	3.5564	L-9.8420	L-14.748	L-8.6713	97.617	L.47923	L2.1062
#1	3.5419	L-17.079	L-21.924	L-9.7533	97.194	L1.1639	L2.7142
#2	3.5786	L-15.342	L-52.112	L-9.7571	97.701	L.75308	L2.9300
#3	3.5488	L2.8947	L29.793	L-6.5037	97.954	L-.47924	L.67443

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-1.1045	L21.150	L.00000
#1	L-1.7673	L20.128	L.00000

#2	L-.77318	L21.151	L.00000
#3	L-.77318	L22.171	L.00000

Method: SED5 Sample Name: FS19S01 Operator: MS
Run Time: 08/08/90 14:40:37
Comment: CD07268
Mode: CONC Corr. Factor: 1.52

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	53.453	L.83702	754.74	L28.051	816.33	233.36	9.6349
#1	53.446	L.81327	759.21	L-14.930	810.31	233.53	9.6483
#2	52.425	L.88450	762.26	67.146	816.92	232.25	9.6197
#3	54.490	L.81327	742.75	L31.937	821.77	234.30	9.6368

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	86.604	H89.856	21.357	96.535	97.728	52.582	37.056
#1	86.067	H89.604	23.191	96.019	97.594	52.031	36.881
#2	86.842	H89.829	21.036	95.435	99.590	50.952	37.126
#3	86.902	H90.136	19.844	98.152	96.000	54.764	37.161

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	36.937	859.26	L1.4140	26.418	61.060	212.00	135.83
#1	36.762	855.31	L1.3723	26.904	60.325	210.70	136.64
#2	37.006	863.99	L1.4618	25.769	62.532	212.48	135.22
#3	37.042	858.47	L1.4081	26.580	60.325	212.84	135.62

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	54.904	153.64	801.13	518.72	1132.8	105.68	48.909
#1	54.381	145.34	725.71	505.81	1128.9	105.09	49.076
#2	55.159	161.57	891.71	509.90	1131.7	105.85	48.322
#3	55.174	154.00	785.96	540.46	1137.9	106.11	49.328

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	50.643	415.13	L.61175
#1	49.404	412.63	L.48535
#2	51.055	415.14	L.71286
#3	51.468	417.64	L.63702

Method: SED5 Sample Name: THIRD INSTRUMENT Operator:
Run Time: 08/08/90 14:42:51
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-2.2417	L.02734	L-18.817	L-3.6880	L3.3688	L-.58168	L.00833

#1	L-3.2656	L.03125	L-18.422	L-16.337	L5.2317	L-.36628	L-.05143
#2	L-1.8972	L.03125	L-13.947	L-2.2945	L.44294	L-.70438	L-.06649
#3	L-1.5622	L.01953	L-27.382	L7.5349	L4.4320	L-.70438	L.14590

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.05114	L-.00171	L.36150	L-2.8105	L-2.4448	L-1.6497	-.02236
#1	L.05622	L.00104	L-.82472	L-1.5765	L-4.0193	L-1.7722	-.02119
#2	L.05724	L-.00192	L.33199	L-4.3852	L-5.0677	L-1.0476	-.02250
#3	L.03996	L-.00426	L1.5772	L-2.4697	L1.7526	L-2.1295	-.02337

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	-.00042	L-5.3673	L.18056	L-1.4045	L2.4200	L.72578	L.02061
#1	.00074	L-3.9822	L.16094	L-.74314	L3.3879	L.96282	L.87184
#2	-.00056	L-5.5405	L.20804	L-1.4365	L1.9360	L.95800	L-1.0768
#3	-.00143	L-6.5793	L.17271	L-2.0338	L1.9360	L.25651	L.26677

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01472	L-2.1354	L-26.862	L-35.263	L.24226	L1.1784	L-1.4504
#1	L.01159	L-2.6100	L7.1340	L-33.480	L.34608	L1.2907	L-.78580
#2	L.01911	L-4.0336	L-37.695	L-56.263	L.24226	L1.2907	L-1.9594
#3	L.01347	L.23727	L-50.026	L-16.046	L.13843	L.95398	L-1.6061

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-1.5391	L-7.0447	L.24946
#1	L-1.4486	L-7.0415	L.26942
#2	L-1.4486	L-6.9135	L.21953
#3	L-1.7202	L-7.1792	L.25944

Method: SED5 Sample Name: AQC THIRD Operator: MS
Run Time: 08/08/90 14:45:03
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	Q-74.740	5.9123	Q5297.6	5096.7	5190.5	5073.6	5199.1
#1	Q-75.025	5.9103	Q5307.1	5072.3	5209.8	5087.9	5213.0
#2	Q-74.029	5.9337	Q5302.0	5151.8	5183.6	5086.3	5200.1
#3	Q-75.168	5.8928	Q5283.6	5065.8	5178.0	5046.6	5184.4

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.3548	5.1724	5077.5	5063.6	4960.2	5173.1	5.0762
#1	5.3589	5.1883	5088.2	5074.8	4953.7	5189.3	5.0961
#2	5.3640	5.1827	5071.3	5076.9	4972.6	5180.7	5.0778
#3	5.3414	5.1463	5072.9	5038.0	[illegible]	[illegible]	[illegible]

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0703	5128.2	7.0635	-.72180	5218.4	5131.7	4957.9
#1	5.0900	5155.9	7.0969	-.62580	5215.3	5154.2	4973.5
#2	5.0718	5126.3	7.1146	-1.0205	5232.7	5131.7	4960.9
#3	5.0489	5102.4	6.9792	-.51913	5207.3	5109.2	4939.4

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.03791	5117.0	4938.0	4847.9	Q5263.0	5084.2	4977.9
#1	.04167	5145.2	4920.3	4839.7	Q5277.7	5097.7	4993.3
#2	.03603	5101.8	4937.8	4826.9	Q5272.5	5095.0	4983.3
#3	.03603	5103.9	4956.0	4877.2	5238.9	5059.8	4957.0

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5185.2	5119.3	5.2187
#1	5201.0	5130.0	5.2287
#2	5195.1	5131.0	5.1389
#3	5159.4	5096.9	5.2886

Method: SED5 Sample Name: AG THIRD Operator: MS
Run Time: 08/08/90 14:46:56
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	50.735	1.2770	Q1284.1	Q1.6313	Q35.359	Q5.7477	Q5.4878
#1	50.909	1.2497	Q1290.4	Q33.792	Q43.051	Q6.3958	Q6.0303
#2	50.380	1.2848	Q1279.8	Q-32.758	Q35.500	Q5.4660	Q5.4270
#3	50.916	1.2965	Q1282.0	Q3.8606	Q27.527	Q5.3814	Q5.0060

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.03251	Q.00749	Q7.1701	Q4.3327	Q1.2249	Q5.1493	-.01945
#1	.02371	Q.00822	Q8.5799	Q3.0125	Q-.61198	Q6.8217	-.01923
#2	.02676	Q.00759	Q7.8971	Q6.2057	Q4.6350	Q3.9499	-.01923
#3	.04708	Q.00666	Q5.0333	Q3.7801	Q-.34839	Q4.6762	-.01988

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00248	Q6.2330	.02748	-1.3369	Q5.8079	Q5.8731	Q5.8876
#1	.00269	Q3.8090	.00785	-.73247	Q4.8399	Q6.1493	Q6.9859
#2	.00269	Q3.8090	.00785	-2.3859	Q6.2919	Q5.7967	Q4.5602
#3	.00204	Q11.081	.06673	-.89248	Q6.2919	Q5.6732	Q6.1167

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.00752	Q2.1354	Q-32.500	Q-29.274	Q5.8141	Q4.9944	Q4.1934

#1	-.00345	Q-1.1864	Q-5.2151	Q-36.877	Q6.3679	Q5.6678	Q6.5885
#2	.01253	Q-5.4572	Q-47.316	Q-14.753	Q5.9526	Q4.6577	Q.57237
#3	.01347	Q13.050	Q-44.970	Q-36.192	Q5.1220	Q4.6577	Q5.4194

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q4.7984	Q3.6470	.03991
#1	Q5.6133	Q4.1011	.10976
#2	Q4.7984	Q3.5634	-.04989
#3	Q3.9836	Q3.2764	.05987

Method: SED5 Sample Name: HIGH THIRD Operator: MS
Run Time: 08/08/90 14:50:46
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	Q-2.0330	104.11	Q104590.	Q-36.843	Q7.0534	Q1.2961	Q.72651
#1	Q-1.0510	104.57	Q104980.	Q-54.345	Q6.6260	Q1.4933	Q.97099
#2	Q-1.1593	103.69	Q104240.	Q-52.633	Q5.2750	Q1.5778	Q.55023
#3	Q-3.8886	104.08	Q104540.	Q-3.5521	Q9.2591	Q.81708	Q.65831

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	105.20	Q74.070	Q1.7464	Q-1.4965	Q1.9598	Q.38645	104.30
#1	105.58	Q74.077	Q3.6609	Q-1.1988	Q5.4660	Q-.03731	104.70
#2	105.05	Q73.966	Q2.2633	Q-.81532	Q-1.3671	Q.24101	104.08
#3	104.97	Q74.167	Q-.68489	Q-2.4755	Q1.7805	Q.95565	104.11

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	105.01	Q97167.	101.03	103.01	Q8.2279	Q17.580	Q5.8040
#1	105.42	Q97433.	101.42	104.27	Q7.7439	Q17.383	Q14.181
#2	104.78	Q97052.	100.84	102.46	Q9.1958	Q17.677	Q-4.8853
#3	104.82	Q97015.	100.82	102.30	Q7.7439	Q17.679	Q8.1163

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	105.95	Q-7.1181	Q2.1490	Q-18.387	Q3.1839	Q4.5454	Q1.3700
#1	106.42	Q-9.7281	Q.39389	Q-31.250	Q3.2531	Q4.6577	Q1.6224
#2	105.59	Q-6.1690	Q-19.712	Q-9.2697	Q3.2531	Q4.3210	Q1.0722
#3	105.84	Q-5.4572	Q25.765	Q-14.641	Q3.0455	Q4.6577	Q1.4154

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10229.	Q98506.	102.80
#1	Q10266.	Q98858.	103.18
#2	Q10183.	Q98258.	102.68
#3	Q10237.	Q98402.	102.54

Method: SED5 Sample Name: FOURTH INSTRUMENT Operator:
Run Time: 08/08/90 15:43:59
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	L1.5872	L-.05077	L-11.939	L2.2303	L-3.9603	L-.30993	L-.25746
#1	L3.8794	L-.03906	L1.6750	L25.056	L-3.4550	L-.02818	L-.20925
#2	L1.8006	L-.05077	L-19.026	L-17.805	L-5.0127	L-.36628	L-.18478
#3	L-.91838	L-.06249	L-18.466	L-.56070	L-3.4132	L-.53533	L-.37835

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.01016	L-.01367	L1.0875	L2.6405	L-1.0501	L-.12437	-.02759
#1	L-.00474	L-.01377	L.27155	L3.4058	L-4.0221	L1.0805	-.02774
#2	L-.01287	L-.01362	L1.8027	L2.6406	L.69852	L.35177	-.02774
#3	L-.01287	L-.01362	L1.1884	L1.8751	L.17332	L-1.8054	-.02730

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	-.00562	L-14.024	L-.03336	L-.83203	L-1.9360	L-.66252	L1.8828
#1	-.00577	L-11.254	L.02551	L.01422	L-.96798	L-.19848	L4.8991
#2	-.00577	L-14.890	L-.05103	L-1.6072	L-2.4200	L-.89574	L1.2519
#3	-.00533	L-15.929	L-.07458	L-.90314	L-2.4200	L-.89333	L-.50263

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.02788	L5.9318	L-6.6323	L-16.546	L-.41530	L-1.3468	L1.3356
#1	L-.01472	L11.626	L7.2935	L-17.425	L-.27686	L-.89786	L4.5689
#2	L-.03540	L-1.1864	L-14.873	L1.3279	L-.48451	L-1.4029	L-2.2902
#3	L-.03352	L7.3554	L-12.317	L-33.541	L-.48451	L-1.7396	L1.7282

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.81483	L-9.7330	L-.08648
#1	L-.36215	L-9.3792	L.07983
#2	L-1.1770	L-10.468	L-.15966
#3	L-.90537	L-9.3521	L-.17961

Method: SED5 Sample Name: AQC FOURTH Operator: M5
Run Time: 08/08/90 15:45:52
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	Q-71.713	5.7347	5193.6	4959.2	5089.5	4993.1	5096.5

#1	Q-71.037	5.7347	5214.7	4968.3	5100.2	4986.1	5091.5
#2	Q-72.716	5.7464	5173.9	4960.4	5087.5	4998.0	5098.5
#3	Q-71.386	5.7230	5192.3	4948.9	5080.7	4995.3	5099.6

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2194	5.0688	4947.9	4955.6	4854.5	5085.3	4.9506
#1	5.2116	5.0634	4941.8	4950.2	4861.4	5094.2	4.9410
#2	5.2156	5.0726	4968.7	4966.7	4859.5	5080.9	4.9590
#3	5.2309	5.0703	4933.3	4950.0	4842.7	5080.9	4.9519

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	4.9453	5011.7	6.8849	-.40890	5111.4	5015.9	4846.3
#1	4.9357	5003.7	6.9026	-.19912	5190.6	5007.7	4837.0
#2	4.9537	5020.3	6.9026	.47291	5045.4	5026.3	4849.7
#3	4.9466	5011.0	6.8496	-1.5005	5098.4	5013.8	4852.1

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.02068	5011.9	4861.0	Q4687.4	5169.6	4982.5	4872.6
#1	.02005	4990.0	4840.1	Q4725.6	5166.2	4979.2	4870.1
#2	.01911	4997.2	4912.3	Q4660.6	5173.6	4987.1	4877.4
#3	.02287	5048.4	4830.5	Q4676.0	5169.0	4981.1	4870.3

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5082.4	5010.0	5.0225
#1	5071.5	5005.1	4.9094
#2	5091.8	5015.6	5.0691
#3	5083.8	5009.3	5.0890

Method: SED5 Sample Name: AG FOURTH Operator: MS
Run Time: 08/08/90 15:47:51
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	50.893	1.2887	Q1327.7	Q4.3176	Q27.839	Q4.6489	Q4.2715
#1	49.520	1.2848	Q1324.0	Q11.379	Q33.165	Q5.3814	Q4.8613
#2	51.926	1.2848	Q1316.1	Q-15.970	Q30.736	Q4.8743	Q4.5258
#3	51.234	1.2965	Q1343.0	Q17.544	Q19.618	Q3.6909	Q3.4274

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.01558	Q.00452	Q4.1328	Q6.3360	Q.61115	Q4.8994	-.02127
#1	.01761	Q.00510	Q6.7278	Q6.7174	Q2.2714	Q4.6512	-.02097
#2	.01964	Q.00463	Q1.7916	Q6.3354	Q1.2242	Q6.8201	-.02076
#3	.00948	Q.00385	Q3.8791	Q5.9551	Q-1.6621	Q3.2269	-.02207

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00067	Q3.4628	-.04710	-.44446	Q4.8399	Q4.2746	Q5.0481
#1	.00096	Q3.8090	-.10991	-.91381	Q4.8399	Q4.9862	Q3.9404
#2	.00117	Q3.8090	-.00393	.06756	Q4.8399	Q4.5052	Q7.4562
#3	-.00013	Q2.7702	-.02748	-.48713	Q4.8399	Q3.3325	Q3.7476

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.00219	Q5.2199	Q-24.837	Q-18.790	Q4.4298	Q2.9742	Q5.1933
#1	-.00909	Q9.4908	Q-4.8162	Q-38.919	Q5.1220	Q3.9843	Q5.5860
#2	.00407	Q8.7790	Q-10.085	Q.66426	Q4.7067	Q3.3109	Q5.9232
#3	-.00157	Q-2.6100	Q-59.609	Q-18.114	Q3.4608	Q1.6274	Q4.0706

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q3.7120	Q1.5452	-.16298
#1	Q4.2552	Q3.0248	-.15966
#2	Q3.9836	Q2.1735	-.12972
#3	Q2.8972	Q-.56258	-.19957

Method: SED5 Sample Name: HIGH FOURTH Operator: MS
Run Time: 08/08/90 15:49:45
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	Q-3.3871	103.00	Q103720.	Q-42.332	Q9.4052	Q1.3524	Q.13466
#1	Q-5.4962	103.03	Q103680.	Q-36.697	Q12.990	Q.98613	Q-.22730
#2	Q-1.9454	102.93	Q103830.	Q-24.237	Q5.5236	Q1.5778	Q.53918
#3	Q-2.7196	103.03	Q103670.	Q-66.062	Q9.7021	Q1.4933	Q.09209

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	103.69	Q74.007	Q2.1936	Q.84457	Q-2.7876	Q-.37981	102.51
#1	103.50	Q73.963	Q3.6266	Q-1.1986	Q-.87080	Q-2.1025	102.28
#2	103.95	Q74.031	Q2.0620	Q4.2918	Q-3.4785	Q1.5930	102.78
#3	103.63	Q74.028	Q.89235	Q-.55947	Q-4.0135	Q-.62994	102.47

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	103.17	Q96006.	99.838	102.39	Q8.7119	Q17.271	Q9.4864
#1	102.93	Q95794.	99.502	101.66	Q7.7439	Q17.579	Q2.6428
#2	103.45	Q96193.	100.25	102.98	Q9.1958	Q17.033	Q12.363
#3	103.12	Q96033.	99.761	102.54	Q9.1958	Q17.200	Q13.453

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	105.46	Q-1.6609	Q-31.729	Q-27.852	Q3.1147	Q4.1526	Q2.7507
#1	105.62	Q.23727	Q-62.253	Q-38.112	Q3.1407	Q4.4007	[illegible]

#2	105.57	Q11.626	Q-9.7487	Q1.3069	Q3.1493	Q3.9843	Q3.3829
#3	105.19	Q-16.846	Q-23.186	Q-45.750	Q3.0455	Q3.9843	Q2.8551

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10111.	Q97588.	101.52
#1	Q10084.	Q97532.	101.49
#2	Q10131.	Q97725.	101.82
#3	Q10120.	Q97507.	101.24

Method: SED5 Sample Name: CS09R02 Operator: MS
Run Time: 08/08/90 15:53:55
Comment: CD07268
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-.17943	L-.13342	L-7.1905	L16.474	L.40930	L1.1343	L-.34308
#1	L.08533	L-.14056	L-3.3297	L17.319	L.75656	L1.2031	L-.40649
#2	L-.73285	L-.12627	L-8.0993	L16.274	L3.6357	L.99684	L-.18412
#3	L.10922	L-.13342	L-10.142	L15.830	L-3.1643	L1.2031	L-.43863

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.13759	L.16013	L2.9078	L.15951	L1.8093	L.84683	-.01538
#1	L.12809	L.15975	L3.4596	L-1.7605	L-2.3527	L-.91311	-.01521
#2	L.13924	L.16061	L3.7728	L.73017	L5.9705	L.41091	-.01521
#3	L.14544	L.16004	L1.4911	L1.5089	L1.8103	L3.0427	-.01574

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01131	L-9.2941	L-.20592	L-.11712	L-3.5428	L-1.1737	L1.4835
#1	.01149	L-6.7594	L-.26339	L-.22991	L-2.9523	L-1.3589	L1.7510
#2	.01149	L-10.561	L-.19155	L-.86759	L-4.7238	L-1.3663	L7.1024
#3	.01096	L-10.561	L-.16282	L.74612	L-2.9523	L-.79576	L-4.4027

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.40861	L-3.1842	L-22.976	L-18.320	L.16889	L-2.3962	L-.48161
#1	L.39944	L3.7631	L-2.6187	L-34.421	L.16889	L-2.9439	L-.97346
#2	L.40976	L-8.3946	L-14.912	L13.038	L.16889	L-2.1223	L-1.1501
#3	L.41664	L-4.9210	L-51.397	L-33.577	L.16889	L-2.1223	L.67874

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.66273	L3.3863	L-.44637
#1	L-.44182	L3.0661	L-.55999
#2	L-.60750	L4.3952	L-.41391
#3	L-.93887	L2.6977	L-.36521

Method: SED5 Sample Name: FJ21S47 Operator: MS
Run Time: 08/08/90 15:57:18
Comment: SF7277
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-.08828	L-.00953	L-45.856	L.15283	2112.1	14.884	L-.57331
#1	L-.22087	L-.01906	L-38.868	L12.260	2100.0	14.712	L-.58555
#2	L-.22564	L-.00476	L-37.720	L-2.5703	2114.0	14.918	L-.57178
#3	L.18168	L-.00476	L-60.980	L-9.2314	2122.3	15.021	L-.56259

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	336.73	?.00000	L.66487	L1.7095	L-3.4086	L4.8540	21.841
#1	336.99	?.00000	L-2.1314	L1.1897	L-1.0606	L3.9835	21.828
#2	336.65	?.00000	L.32734	L-.52293	L-10.023	L5.7293	21.824
#3	336.56	?.00000	L3.7987	L4.4617	L.85826	L4.8493	21.872

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	21.767	L23.024	L.25860	6.8149	15.943	575.42	L.41313
#1	21.754	L24.291	L.29691	6.3290	14.762	574.08	L5.3497
#2	21.750	L22.390	L.25381	6.9147	16.533	574.65	L-2.8755
#3	21.798	L22.390	L.22508	7.2010	16.533	577.52	L-1.2348

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	25.541	L-7.5262	L-18.926	L-36.468	1780.7	L2.3962	L.34322
#1	25.106	L-17.079	L-49.322	L-44.092	1769.3	L2.8069	L-.12501
#2	25.886	L-4.0526	L-9.8314	L-39.195	1783.9	L2.3962	L1.0732
#3	25.633	L-1.4473	L2.3737	L-26.116	1788.9	L1.9854	L.08151

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.1598	287.60	L.15014
#1	L1.3807	287.76	L.25565
#2	L.88364	285.07	L.09739
#3	L1.2150	289.95	L.09739

Method: SED5 Sample Name: FJ21S48 Operator: MS
Run Time: 08/08/90 15:59:38
Comment: SF7277
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	L1.2250	L-.01429	L-58.174	L-25.346	484.75	41.420	L-.43217
#1	L-1.1355	L-.01906	L-46.106	L-49.130	481.84	41.214	L-.34581
#2	L1.3457	L-.01906	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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.25232	L-.07811	L-6.2737	L15.284	L-1.9240	L.19723	L-.35389
#1	L1.4422	L-.08592	L-3.2932	L-1.5859	L-1.7841	L.30993	L-.34824
#2	L-1.7971	L-.07421	L-7.2079	53.000	L-.19933	L-.19723	L-.35201
#3	L1.1119	L-.07421	L-8.3200	L-5.5612	L-3.7885	L.47898	L-.36141

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.10194	L.11567	L-.25033	L-.67691	L-7.9611	L.81628	-.00548
#1	L.09788	L.11650	L-1.2420	L-.42176	L-7.9615	L1.0531	-.00548
#2	L.09889	L.11588	L-2.0406	L-3.2304	L-4.0260	L.33681	-.00548
#3	L.10905	L.11463	L2.5315	L1.6214	L-11.896	L1.0589	-.00548

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01636	L-11.947	L-.15112	L-.54757	L-1.4520	L-.49376	L.76884
#1	.01636	L-12.812	L-.16879	L-.83914	L-.96798	L-.41361	L2.8556
#2	.01636	L-11.254	L-.15701	L.40890	L-2.4200	L-.64985	L-3.3420
#3	.01636	L-11.773	L-.12757	L-1.2125	L-.96798	L-.41783	L2.7929

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.18203	L-5.9318	L-4.7483	L-9.4248	L.34608	L-2.5252	L-.81238
#1	L.18453	L-12.575	L25.076	L-33.565	L.34608	L-2.4130	L-.64570
#2	L.18453	L-2.6100	L-22.101	L25.436	L.34608	L-2.4130	L-2.1415
#3	L.17701	L-2.6100	L-17.220	L-20.146	L.34608	L-2.7497	L.35006

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.99590	L-2.7394	L-.31266
#1	L-1.4486	L-3.5650	L-.35922
#2	L-1.1770	L-1.6340	L-.29935
#3	L-.36215	L-3.0194	L-.27940

Method: SED5 Sample Name: FJ21547 Operator: MS
Run Time: 08/08/90 16:21:53
Comment: SF7277
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.12585	L-.01429	L-58.134	L16.683	2168.0	15.090	L-.58096
#1	L-.02056	L-.03335	L-55.646	L38.066	2165.0	15.021	L-.56719
#2	L-1.0597	L-.00476	L-50.409	L1.2334	2169.3	15.021	L-.58096
#3	L1.4578	L-.00476	L-68.348	L10.749	2169.8	15.228	L-.59473

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	343.47	?.00000	L2.4602	L1.4505	L-2.0211	10.697	22.273

#3	L3.4448	L-.00476	L-62.921	L1.2728	484.75	42.039	L-.35040

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	296.29	?.00000	L2.9516	12.250	L-10.270	L2.8448	23.894
#1	295.95	?.00000	L-1.0806	10.537	L-10.804	L.79896	23.904
#2	295.51	?.00000	L5.3321	11.940	L-5.6822	L3.4308	23.837
#3	297.40	?.00000	L4.6033	14.275	L-14.324	L4.3046	23.942

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	23.814	8523.3	L8.7732	7.1142	15.352	2985.3	L.80956
#1	23.824	8520.2	L8.7588	6.3290	14.762	2984.6	L2.3698
#2	23.757	8509.4	L8.7875	7.0838	14.762	2979.3	L-1.3261
#3	23.861	8540.4	L8.7732	7.9297	16.533	2992.0	L1.3850

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	27.787	L-2.6052	L-95.845	L-32.636	1522.4	L1.3008	L.80285
#1	27.426	L-4.9210	L-140.22	L-25.551	1521.2	L1.5746	L.05113
#2	28.254	L-8.3946	L-110.04	L-54.989	1526.7	L.75308	L.68066
#3	27.680	L5.4999	L-37.280	L-17.368	1519.4	L1.5746	L1.6768

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.3807	207.72	L-.09739
#1	L1.2150	206.27	L-.09739
#2	L1.0493	209.28	L-.17043
#3	L1.8777	207.60	L-.02435

Method: SED5 Sample Name: FJ21D48 Operator: MS
Run Time: 08/08/90 16:02:11
Comment: SF7277
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	L1.6034	L-.02382	L-85.656	L-7.0695	494.69	48.226	L-.49080
#1	L.41668	L-.01906	L-65.344	L16.722	500.51	48.020	L-.52556
#2	L3.3420	L-.03335	L-111.25	L-27.979	496.62	48.226	L-.53934
#3	L1.0515	L-.01906	L-80.373	L-9.9514	486.93	48.432	L-.40749

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	308.04	?.00000	L1.8273	12.458	L-.25372	L1.8864	24.413
#1	308.50	?.00000	L-.00662	12.406	L-1.2143	L1.5917	24.475
#2	307.15	?.00000	L1.4332	13.029	L2.9474	L1.5978	24.340
#3	308.48	?.00000	L4.0553	11.938	L-2.4943	L2.4696	24.425

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

Avge	24.331	7877.0	L8.1889	8.1553	16.533	3022.9	L-6.0252
#1	24.392	7899.8	L8.1698	8.4893	16.533	3030.8	L-12.494
#2	24.258	7852.3	L8.2129	8.0729	16.533	3014.2	L4.0337
#3	24.343	7878.9	L8.1841	7.9037	16.533	3023.8	L-9.6152

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	28.362	L9.8420	L-88.320	L8.6556	1615.5	L1.5746	L1.6214
#1	28.733	15.921	L-117.54	L18.466	1624.5	L1.1639	L-.15376
#2	28.132	L6.3683	L-96.472	L11.934	1608.3	L1.5746	L2.3133
#3	28.222	L7.2367	L-50.944	L-4.4325	1613.6	L1.9854	L2.7048

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.2702	188.75	L.04058
#1	L1.2150	186.17	L.02435
#2	L1.3807	190.87	L.07304
#3	L1.2150	189.19	L.02435

Method: SED5 Sample Name: FJ21S49 Operator: MS
Run Time: 08/08/90 16:04:06
Comment: SF7277
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.96562	L.23347	202.84	L-30.442	643.85	26.846	L.58403
#1	L-.41765	L.23824	210.63	L-31.106	645.79	26.365	L.33411
#2	L1.2410	L.22395	203.54	L-11.500	639.01	26.983	L.82937
#3	L2.0735	L.23824	194.36	L-48.721	646.77	27.190	L.58863

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	191.24	?.00000	L2.3044	102.69	L-6.4618	L2.4756	28.516
#1	190.97	?.00000	L1.4458	99.472	L-8.9153	L1.7477	28.463
#2	191.61	?.00000	L.55378	106.95	L-3.7946	L3.4975	28.562
#3	191.13	?.00000	L4.9135	101.65	L-6.6755	L2.1816	28.524

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	28.423	H51890.	52.677	L4.6763	28.343	4239.4	L-1.0295
#1	28.370	H51806.	52.692	L4.5982	27.162	4223.1	L3.5207
#2	28.469	H51909.	52.677	5.2489	30.704	4245.5	L-1.3309
#3	28.431	H51955.	52.663	L4.1818	27.162	4249.6	L-5.2782

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	28.554	99.867	L-78.481	L-22.131	939.94	L-.06847	L.00612
#1	28.386	95.815	L-62.339	L-13.402	937.62	L-.06846	L-.06848
#2	28.661	90.604	L-122.95	L-27.311	941.54	L.34230	L-.66744
#3	28.616	113.18	L-50.155	[illegible]	[illegible]	[illegible]	[illegible]

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	23.472	438.32	L.03246
#1	23.251	438.04	L-.01217
#2	23.748	438.03	L.06087
#3	23.416	438.88	L.04869

Method: SED5 Sample Name: FJ21S51 Operator: MS
Run Time: 08/08/90 16:06:22
Comment: SF7277
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	L2.4946	L7.1892	7106.7	L-52.421	126.91	29.768	2.6602
#1	L2.0516	L7.1606	7092.7	L-71.611	124.37	29.664	2.8590
#2	L.00610	L7.2106	7125.2	L-74.290	126.25	29.561	2.5700
#3	L5.4261	L7.1963	7102.0	L-11.361	130.10	30.077	2.5517

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	127.93	H91.250	L.80463	87.065	L-3.7286	L5.4041	83.163
#1	127.50	H91.304	L.92940	87.480	L-4.0510	6.2644	82.833
#2	128.18	H91.140	L1.8643	84.833	L-4.0481	L5.4078	83.301
#3	128.11	H91.305	L-.37975	88.881	L-3.0867	L4.5400	83.355

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	83.215	9728.8	L10.356	L4.1514	78.828	9774.5	L2.0589
#1	82.882	9712.8	L10.246	L3.8434	78.533	9732.2	L2.0463
#2	83.355	9736.8	L10.382	L4.5331	80.304	9801.7	L2.3907
#3	83.409	9736.8	L10.440	L4.0777	77.647	9789.5	L1.7396

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	44.160	122.16	L-162.96	L-.08435	657.31	L-.34231	L2.4655
#1	44.399	121.00	L-127.41	L-2.2938	657.31	L-.47924	L.14269
#2	44.147	130.55	L-176.12	L-2.2588	658.07	L-.47924	L2.8065
#3	43.934	114.92	L-185.36	L4.2995	656.55	L-.06846	L4.4473

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	51.527	218.64	L-.12580
#1	51.582	215.96	L-.09739
#2	50.588	221.83	L-.10956
#3	52.411	218.13	L-.17043

Method: SED5 Sample Name: FJ21S51 Operator: MS

Run Time: 08/08/90 16:08:38
Comment: SF7277
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	L2.3148	L7.4367	7360.8	L-12.500	122.81	29.768	2.6961
#1	L3.5673	L7.4534	7382.2	L14.393	122.31	29.664	3.0148
#2	L-.38739	L7.4248	7385.3	L-22.596	123.78	30.077	2.5333
#3	L3.7646	L7.4319	7315.1	L-29.297	122.33	29.561	2.5402

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	129.53	H91.879	L-.70097	93.137	L-.41827	L5.8623	85.240
#1	129.83	H92.133	L-1.0056	91.060	L-.84447	7.6179	85.413
#2	129.31	H91.901	L-1.0658	94.175	L1.7154	L5.4240	85.209
#3	129.44	H91.602	L-.03156	94.175	L-2.1258	L4.5451	85.097

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	85.312	9888.5	L10.500	L4.3596	79.123	10018.	L3.3905
#1	85.487	9896.5	L10.526	L4.7023	80.304	10026.	L4.2155
#2	85.281	9888.3	L10.497	L4.1948	78.533	10032.	L3.8834
#3	85.168	9880.7	L10.476	L4.1818	78.533	9995.8	L2.0725

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	44.217	130.84	L-216.38	L-42.035	667.69	L1.1639	L2.6865
#1	44.141	118.39	L-218.47	L-18.581	668.71	L1.1639	L2.8228
#2	44.367	139.24	L-233.56	L-41.491	670.48	L1.1639	L2.8289
#3	44.141	134.89	L-197.12	L-66.034	663.89	L1.1639	L2.4078

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	52.356	208.20	L-.17449
#1	51.914	208.35	L-.21913
#2	52.576	207.36	L-.15826
#3	52.576	208.88	L-.14609

Method: SED5 Sample Name: FJ21S52 Operator: MS
Run Time: 08/08/90 16:12:07
Comment: SF7277
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	L3.8282	L7.3010	7230.1	L-42.878	119.43	29.011	2.6312
#1	L5.4295	L7.2534	7148.2	L-34.528	121.37	28.839	2.7947
#2	L1.2629	L7.3391	7312.9	L-59.276	119.43	29.561	2.5471
#3	L4.7922	L7.3106	7229.2	L-34.831	117.50	28.633	2.5517

Elem	Cahigh	Calow	Cd	Co	Cr	Cu

Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	128.19	H91.342	L.89574	89.086	L-4.3668	L3.0811	84.318
#1	127.84	H91.154	L.91657	88.567	L-6.9274	L2.7892	84.048
#2	128.17	H91.469	L.31902	90.436	L2.9948	L2.7902	84.378
#3	128.56	H91.401	L1.4516	88.255	L-9.1680	L3.6641	84.530

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	84.382	9755.9	L10.447	L4.3813	78.828	9930.1	L-6.9457
#1	84.108	9704.5	L10.447	5.3270	77.647	9865.1	L-8.4527
#2	84.442	9781.2	L10.454	L3.9345	78.533	9989.4	L-5.9036
#3	84.595	9781.8	L10.440	L3.8824	80.304	9935.8	L-6.4807

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	43.598	123.02	L-171.02	L1.5745	655.49	L1.8485	L2.1955
#1	42.462	120.13	L-130.71	L9.2088	650.72	L1.9854	L4.8452
#2	44.463	128.81	L-191.16	L-7.1484	659.08	L1.5746	L1.1953
#3	43.869	120.13	L-191.19	L2.6632	656.67	L1.9854	L.54594

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	51.141	205.53	L-.02435
#1	51.251	204.02	L.09739
#2	50.920	206.70	L-.14609
#3	51.251	205.86	L-.02435

Method: SED5 Sample Name: FJ21D52 Operator: MS
Run Time: 08/08/90 16:14:01
Comment: SF7277
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	L3.0753	L7.4081	7346.4	L-27.110	122.65	29.458	2.9422
#1	L2.1094	L7.4177	7357.3	L-5.9015	119.39	29.458	3.0056
#2	L2.9444	L7.3962	7381.7	L-41.490	122.33	29.664	3.0286
#3	L4.1722	L7.4105	7300.2	L-33.940	126.22	29.252	2.7924

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	130.03	H91.538	L-.65496	92.928	L-.20495	L4.5481	85.185
#1	130.32	H91.367	L-3.1557	96.042	L.11633	L2.8044	85.222
#2	130.18	H91.741	L.12559	88.878	L.43488	6.2979	85.270
#3	129.59	H91.505	L1.0652	93.864	L-1.1661	L4.5420	85.062

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	85.256	9700.1	L10.497	L4.4464	82.666	10022.	L-.88433
#1	85.294	9696.9	L10.555	[illegible]	[illegible]	[illegible]	[illegible]

#2	85.342	9714.7	L10.483	5.7955	83.847	10042.	L.92250
#3	85.133	9688.7	L10.454	L3.9475	80.304	10012.	L7.6598

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	44.784	120.71	L-158.85	L-45.853	663.30	L1.9854	L2.1419
#1	44.795	106.24	L-139.76	L-56.199	664.65	L2.3962	L-.23902
#2	45.200	127.08	L-188.15	L-68.486	664.27	L2.3962	5.6860
#3	44.357	128.81	L-148.64	L-12.874	660.98	L1.1639	L.97878

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	51.417	217.51	L.14203
#1	51.417	220.14	L.32869
#2	50.920	216.60	L.09739
#3	51.914	215.78	L.00000

Method: SED5 Sample Name: FJ03R07 Operator: MS
Run Time: 08/08/90 16:16:07
Comment: SF7277
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-.85566	L-.09530	L.86609	L9.4300	L-6.7290	L.85934	L-.36374
#1	L-.30316	L-.10483	L-12.536	L-27.671	L-7.0612	L.99684	L-.45240
#2	L.11583	L-.10483	L7.9132	L1.8625	L-10.928	L.79059	L-.44322
#3	L-2.3796	L-.07624	L7.2213	54.098	L-2.1976	L.79059	L-.19559

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.64044	.67741	L-.14180	L.47080	L1.1706	32.243	.09947
#1	L.66854	.70180	L2.6945	L1.9762	L.85098	29.764	.11367
#2	L.63383	.67514	L-2.5294	L1.3538	L.85037	33.264	.09822
#3	L.61895	.65527	L-.59053	L-1.9176	L1.8104	33.701	.08650

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.12550	L-1.6899	L-.14127	L-1.0585	L-2.3619	5.4148	L.97031
#1	.13962	L.84492	L-.11972	L-1.2450	L-1.1809	6.9419	L-1.2741
#2	.12426	L-.42248	L-.14845	L-1.0238	L-2.9523	5.2244	L-.37316
#3	.11261	L-5.4920	L-.15564	L-.90663	L-2.9523	L4.0781	L4.5582

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.24806	L8.9736	L-11.473	L-4.3984	L.92888	L-2.2592	L1.0867
#1	L.27100	L12.447	L-42.809	L-13.117	L.92888	L-2.1223	L-.95717
#2	L.23660	L.28947	L-12.500	L9.7773	L.92888	L-2.5331	L2.1074
#3	L.23660	L14.184	L20.890	L-9.8550	L.92888	L-2.1223	L2.1099

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L

Avge	L-.66273	L25.535	L-.36521
#1	L-.77318	L25.431	L-.38956
#2	L-.44182	L24.746	L-.36521
#3	L-.77318	L26.427	L-.34086

Method: SED5 Sample Name: FJ03R07 Operator: MS
Run Time: 08/08/90 16:17:57
Comment: SF7277
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	L2.3376	L-.08100	L5.2948	L-10.812	L-7.3845	L.17187	L-.45240
#1	L2.6166	L-.09053	L6.1983	L-35.371	L-10.946	L.27499	L-.45700
#2	L2.6160	L-.07624	L4.8399	L-4.9608	L-6.0855	L-.03437	L-.44781
#3	L1.7803	L-.07624	L4.8462	L7.8947	L-5.1218	L.27499	L-.45240

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.09834	L.11440	L-.18489	L.72974	L-6.1904	48.304	.01337
#1	L.08842	L.11471	L-.14875	L-1.7618	L-4.2698	47.722	.01355
#2	L.09834	L.11528	L-.35095	L-1.1395	L-12.592	50.346	.01355
#3	L.10825	L.11319	L-.05497	L5.0905	L-1.7095	46.844	.01301

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.03990	L-5.4920	L-.11972	L-.44681	L-2.0666	L-.13111	L-3.1374
#1	.04008	L-5.4920	L-.10535	L.01735	L-2.9523	L.05858	L1.0292
#2	.04008	L-6.7594	L-.13409	L-.75046	L-1.1809	L-.22522	L-5.2215
#3	.03955	L-4.2246	L-.11972	L-.60731	L-2.0666	L-.22669	L-5.2198

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.11734	L-2.0263	L-27.926	L-17.480	L-.25333	L-1.8485	L1.7476
#1	L.11046	L3.7631	L-61.295	L-36.016	L-.33777	L-2.1223	L1.4814
#2	L.12422	L-10.131	L-37.004	L-3.3060	L-.33777	L-1.7115	L3.0909
#3	L.11734	L.28947	L14.521	L-13.117	L-.08444	L-1.7115	L.67056

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.88364	L3.8812	L-.36521
#1	L-1.6016	L1.6404	L-.36521
#2	L-.44182	L4.8263	L-.36521
#3	L-.60750	L5.1770	L-.36521

Method: SED5 Sample Name: DIGESTION 38 Operator:
Run Time: 08/08/90 16:19:54
Comment:
Mode: CONC Corr. Factor: 1

#1	342.74	?.00000	L4.8566	L3.2157	L.21844	10.107	22.253
#2	342.39	?.00000	L2.3594	L-1.9234	L-3.6214	10.113	22.216
#3	345.28	?.00000	L.16447	L3.0593	L-2.6603	11.871	22.348

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	22.197	L19.856	L.28254	7.4005	15.352	584.83	L3.4574
#1	22.178	L16.053	L.23944	7.2010	16.533	586.41	L5.0143
#2	22.141	L21.123	L.28254	6.8756	14.762	583.68	L2.5531
#3	22.273	L22.390	L.32564	8.1249	14.762	584.40	L2.8047

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	26.611	L13.026	L-23.133	L-12.469	1826.0	L1.9854	L1.0298
#1	26.541	L3.7631	L20.373	L-39.199	1826.2	L1.9854	L1.1023
#2	26.834	L5.4999	L-85.716	L-1.5630	1824.4	L1.5746	L-1.5640
#3	26.457	29.815	L-4.0555	L3.3557	1827.4	L2.3962	L3.5509

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.44182	287.06	L.08116
#1	L.55227	287.07	L.02435
#2	L.22091	286.39	L.04869
#3	L.55227	287.72	L.17043

Method: SED5 Sample Name: FJ21S47 Operator: MS
Run Time: 08/08/90 16:23:48
Comment: SF7277
Mode: CONC Corr. Factor: 1.52

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	53.806	L.81921	715.85	L-17.145	2975.3	212.55	9.2293
#1	52.943	L.81327	688.86	L23.037	2978.4	212.20	9.3312
#2	55.516	L.79546	715.90	L-14.827	2985.6	213.75	9.0484
#3	52.958	L.84889	742.78	L-59.646	2962.0	211.69	9.3083

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	H400.79	?.00000	24.693	95.244	90.019	58.583	46.392
#1	H400.25	?.00000	20.852	96.409	103.98	59.675	46.333
#2	399.99	?.00000	22.241	97.767	89.220	57.482	46.395
#3	H402.14	?.00000	30.987	91.555	76.861	58.594	46.447

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	46.257	805.83	L1.4081	34.222	68.785	691.20	135.28
#1	46.199	801.62	L1.4081	33.584	66.946	689.06	130.61
#2	46.261	807.94	L1.3365	33.211	69.153	691.21	133.26
#3	46.312	807.94	L1.4797	35.871	70.256	693.34	141.98

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	78.288	137.41	774.59	484.75	2844.0	104.32	51.942
#1	77.582	138.85	778.33	430.40	2841.5	103.81	52.153
#2	79.212	134.52	774.74	522.10	2857.2	103.81	51.087
#3	78.068	138.85	770.69	501.76	2833.4	105.34	52.586

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	51.055	682.17	L.59152
#1	51.468	678.40	L.69769
#2	51.468	685.75	L.37918
#3	50.230	682.37	L.69769

Method: SED5 Sample Name: FIFTH INSTRUMENT Operator:
Run Time: 08/08/90 16:25:44
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	L1.0073	L-.08592	L-13.569	L11.407	L1.4917	L-.02818	L-.30881
#1	L.77899	L-.08592	L-8.3252	L14.008	L6.9199	L.14088	L-.17726
#2	L-1.6121	L-.08592	L-10.597	L-12.136	L-2.9961	L-.19723	L-.36330
#3	L3.8549	L-.08592	L-21.786	L32.350	L.55122	L-.02818	L-.38588

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.06401	L.06737	L1.2754	L-.08211	L-4.0244	L-1.3279	-.01726
#1	L.10093	L.09933	L3.3396	L-1.3162	L-7.6971	L-1.0875	-.01356
#2	L.04708	L.05845	L.88944	L2.8964	L1.2217	L-2.5300	-.01836
#3	L.04403	L.04433	L-.40286	L-1.8266	L-5.5978	L-.36619	-.01988

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00465	L-16.621	L-.08243	L-.67558	L-1.4520	L-.73584	L1.4729
#1	.00833	L-15.929	L-.07458	L-.79647	L-.24200	L-.65830	L-.23311
#2	.00356	L-19.045	L-.12168	L-.99915	L-3.1459	L-.65347	L5.6235
#3	.00204	L-14.890	L-.05103	L-.23112	L-.96798	L-.89574	L-.97160

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.03164	L-4.5081	L-19.799	L7.5774	L.03461	L-1.9080	L.43105
#1	L-.01660	L-9.7281	L27.358	L-18.791	L.34608	L-1.9080	L-.47283
#2	L-.03916	L8.7790	L-69.345	L13.378	L-.06922	L-1.7396	L.55615
#3	L-.03916	L-12.575	L-17.411	L28.146	L-.17304	L-2.0763	L1.2098

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.90537	L-9.4452	L-.27940
#1	L-1.0412	L-9.6311	L-.25944

#2	L-.76956	L-9.8936	L-.31931
#3	L-.90537	L-8.8108	L-.25944

Method: SED5 Sample Name: AQC FIFTH Operator: MS
Run Time: 08/08/90 16:29:05
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	Q-72.666	6.0644	Q5461.9	Q5323.7	Q5355.3	5240.9	Q5342.5
#1	Q-70.143	6.0976	Q5485.0	Q5336.0	Q5344.9	Q5253.9	Q5355.1
#2	Q-79.732	6.0566	Q5454.8	Q5331.9	Q5372.3	5233.6	Q5340.2
#3	Q-68.124	6.0391	Q5445.9	Q5303.1	Q5348.8	5235.1	Q5332.3

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.4957	Q5.3384	5207.6	5221.3	5122.0	Q5356.4	5.2152
#1	5.5001	Q5.3522	5228.5	5233.7	5129.2	Q5371.4	5.2205
#2	5.4818	Q5.3328	5198.3	5211.8	5090.9	Q5349.8	5.2076
#3	5.5052	Q5.3301	5196.2	5218.3	5145.8	Q5348.0	5.2174

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.2085	Q5280.6	7.2500	-.62936	Q5453.4	Q5267.3	5110.5
#1	5.2138	Q5282.6	7.2323	-.51913	Q5534.7	Q5279.5	5128.9
#2	5.2009	Q5268.6	7.2735	-1.2658	Q5453.4	Q5261.0	5092.1
#3	5.2107	Q5290.4	7.2441	-.10311	Q5372.1	Q5261.3	5110.5

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.04073	Q5260.5	5161.6	5005.8	Q5427.0	5227.6	5112.5
#1	.03133	Q5280.5	5125.8	4985.9	Q5437.0	5237.3	5120.5
#2	.03415	5227.8	5168.2	5030.8	Q5421.6	5222.5	5103.6
#3	.05670	Q5273.3	5190.7	5000.6	Q5422.4	5223.0	5113.3

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q5334.7	Q5277.9	5.2354
#1	Q5339.8	Q5283.9	5.3684
#2	Q5328.2	Q5274.5	5.1888
#3	Q5336.2	Q5275.3	5.1489

Method: SED5 Sample Name: AG FIFTH Operator: MS
Run Time: 08/08/90 16:30:56
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	53.169	1.4547	Q1528.1	[illegible]	[illegible]	[illegible]	[illegible]

#1	54.309	1.4488	Q1527.5	Q-.42989	Q50.646	Q9.6077	Q9.2816
#2	Q55.333	1.4664	Q1534.8	Q4.9336	Q42.683	Q7.5791	Q7.0583
#3	49.866	1.4488	Q1522.0	Q-54.303	Q32.360	Q7.0720	Q7.0658

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.00813	Q.02111	Q9.9525	Q4.6290	Q5.5076	Q8.0056	-.01537
#1	.00135	Q.02366	Q11.177	Q5.8179	Q11.978	Q10.397	-.01334
#2	.02168	Q.01976	Q7.6457	Q4.6726	Q1.7477	Q7.5297	-.01683
#3	.00135	Q.01991	Q11.035	Q3.3965	Q2.7966	Q6.0905	-.01596

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00653	Q6.9256	-.08243	-.27734	Q6.5339	Q7.6471	Q11.063
#1	.00855	Q6.9256	-.09813	.07823	Q9.1958	Q8.9806	Q14.857
#2	.00508	Q6.9256	-.06280	-.24179	Q5.5659	Q7.0967	Q6.5062
#3	.00595	Q6.9256	-.08636	-.66847	Q4.8399	Q6.8640	Q11.826

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.01128	Q13.287	Q-30.280	Q-16.118	Q8.1329	Q6.0045	Q8.5008
#1	-.01284	Q19.456	Q-39.396	Q-20.815	Q9.8979	Q7.6879	Q10.474
#2	-.00157	Q10.203	Q-19.538	Q-6.7265	Q7.3023	Q5.3311	Q9.2726
#3	-.01942	Q10.203	Q-31.904	Q-20.812	Q7.1985	Q4.9944	Q5.7562

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q6.9713	Q5.4399	-.23283
#1	Q9.1442	Q5.6146	-.25944
#2	Q5.8849	Q5.2098	-.15966
#3	Q5.8849	Q5.4954	-.27940

Method: SED5 Sample Name: HIGH FIFTH Operator: MS
Run Time: 08/08/90 16:32:56
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	Q-1.6903	107.97	Q109050.	Q-32.706	Q10.545	Q1.8032	Q-.14803
#1	Q-.70884	108.29	Q109360.	Q-41.792	Q13.826	Q1.8314	Q-.20432
#2	Q-2.3989	107.70	Q108780.	Q-22.674	Q8.2157	Q1.4933	Q-.24007
#3	Q-1.9631	107.91	Q109000.	Q-33.652	Q9.5937	Q2.0850	Q.00030

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	107.13	Q74.905	Q2.4801	Q1.0581	Q4.0223	Q1.3268	106.65
#1	106.70	Q74.849	Q4.9908	Q1.6113	Q.25685	Q3.4463	106.43
#2	107.03	Q74.989	Q2.8686	Q2.3773	Q4.7191	Q-.84568	106.43
#3	107.65	Q74.878	Q-.41808	Q-.91426	[illegible]	[illegible]	[illegible]

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	107.44	Q99825.	103.45	108.90	Q7.2599	Q17.723	Q5.7884
#1	107.21	Q99831.	103.21	109.94	Q6.2919	Q17.200	Q-.23612
#2	107.21	Q99684.	103.32	107.93	Q7.7439	Q17.894	Q11.568
#3	107.89	Q99959.	103.82	108.83	Q7.7439	Q18.077	Q6.0334

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	111.80	Q-2.1354	Q-7.4146	Q-21.800	Q3.4608	Q3.6476	Q2.9451
#1	112.25	Q3.0845	Q5.3614	Q-26.781	Q3.4608	Q3.6476	Q4.5419
#2	111.64	Q-6.8808	Q1.5554	Q7.4424	Q3.4608	Q3.6476	Q2.0472
#3	111.51	Q-2.6100	Q-29.160	Q-46.063	Q3.4608	Q3.6476	Q2.2461

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10556.	Q101460.	106.11
#1	Q10571.	Q101[illegible]50.	106.06
#2	Q10528.	Q101[illegible]70.	105.79
#3	Q10568.	Q101660.	106[illegible]8

Run 813

Samples analyzed by SED5 on 08/10/90 stored in file RUN813B .

Data set	Sample id	Correction Factor	Dig QC	Ins QC
	FIRST INSTRUMENT	1.00000		B
	AG FIRST	1.00000		Q
	AQC FIRST	1.00000		Q
	HIGH FIRST	1.00000		Q
SF7277	FJ03S07	1.22000		S
SF7277	FJ03R06	1.22000		S
	DIGESTION 38	1.00000		B
SF7277	FJ21S47	1.22000	SMP1	S
SF7277	FJ21S47	1.22000	DUP1	S
SF7277	FJ21S47	1.52000	SPK1	S
	BLANK SECOND	1.00000		B
	AG SECOND	1.00000		Q
	AQC SECOND	1.00000		Q
	HIGH SECOND	1.00000		Q
UNDIGESTED	FJ03S06	1.00000		S
UNDIGESTED	FJ03S07	1.00000		S
UNDIGESTED	FJ02R84	1.00000		S
UNDIGESTED	FF02R83	1.00000		S
UNDIGESTED	FS02R85	1.00000		S

Method: SED5 Sample Name: FJ03S06 Operator: MS
Run Time: 08/10/90 15:22:49
Comment: UNDIGESTED
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.93173	L.01177	L-20.456	L-5.3169	L-3.0784	L.39350	L.30071
#1	L2.2725	L.01961	L-19.891	L-35.539	L-4.9483	L.50593	L.36861
#2	L-1.3949	L-.00392	L-19.326	L-3.8891	L-6.5510	L.33729	L.36861
#3	L1.9176	L.01961	L-22.150	L23.477	L2.2640	L.33729	L.16492

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.54808	.52431	L-.00533	L-4.9008	L2.0617	33.480	.04432
#1	L.55147	.52511	L-.09326	L-2.9333	L3.0477	34.567	.04505
#2	L.55553	.52487	L-.12145	L-6.6054	L2.2410	32.754	.04374
#3	L.53725	.52297	L.19871	L-5.1638	L.89651	33.117	.04418

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.07834	L8.9975	L.01573	L.48716	L3.9558	L1.8902	L-2.9714
#1	.07908	L11.420	L.01573	L1.1847	L3.9558	L1.8902	L.20926
#2	.07774	L11.420	L.01573	L.50930	L3.9558	L1.8902	L-4.5617
#3	.07819	L4.1527	L.01573	L-.23251	L3.9558	L1.8902	L-4.5617

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.12006	L11.984	L12.655	L-10.083	L1.4057	L1.6900	L-.55973
#1	L.11941	L11.984	L-1.7985	L-14.119	L1.4057	L2.0280	L1.0289
#2	L.11941	L4.0745	L18.592	L2.5274	L1.4057	L1.0140	L-1.5220
#3	L.12137	19.893	L21.171	L-18.659	L1.4057	L2.0280	L-1.1860

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.59647	L21.400	L.38794
#1	L.68823	L22.223	L.45426
#2	L.41294	L21.680	L.26526
#3	L.68823	L20.298	L.44431

Method: SED5 Sample Name: FJ03S07 Operator: MS
Run Time: 08/10/90 15:24:46
Comment: UNDIGESTED
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.41619	L.01569	L-13.107	L12.443	L-3.6332	L-.28107	L.14984

#1	L.86532	L.00785	L-9.5504	L6.5603	L-4.9483	L-.25297	L.16492
#2	L.55616	L.01961	L-17.414	L28.312	L-1.0029	L-.25297	L.11968
#3	L-.17291	L.01961	L-12.356	L2.4578	L-4.9483	L-.33729	L.16492

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.02336	L-.00324	L-3.7389	L-3.0638	L-.53698	52.461	-.01211
#1	L.01523	L-.00266	L-3.7628	L-4.6379	L-.17907	52.696	-.01167
#2	L.02945	L-.00298	L-4.5481	L-.43999	L3.8562	52.715	-.01211
#3	L.02539	L-.00408	L-2.9059	L-4.1134	L-5.2881	51.971	-.01254

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.02092	L2.4224	L.06488	L.45025	L2.3735	L.30876	L-1.5828
#1	.02136	L2.0764	L.01573	L.35430	L2.3735	L.35313	L-4.1468
#2	.02092	L1.0382	L.16318	L.87467	L2.3735	L.22002	L3.1996
#3	.02047	L4.1527	L.01573	L.12179	L2.3735	L.35313	L-3.8011

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01443	L8.6283	L-4.1135	L-11.076	L.35142	L1.5210	L-1.4709
#1	L.01312	L10.546	L2.7811	L-14.876	L.35142	L1.3520	L-3.3979
#2	L.02296	L5.5125	L22.821	L16.199	L.35142	L1.6900	L-.15102
#3	L.00722	L9.8267	L-37.943	L-34.550	L.35142	L1.5210	L-.86382

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.41294	L-3.2581	L.29179
#1	L.13765	L-3.8036	L.16579
#2	L.96353	L-2.9985	L.38463
#3	L.13765	L-2.9722	L.32494

Method: SED5 Sample Name: FJ02R84 Operator: MS
Run Time: 08/10/90 15:26:44
Comment: UNDIGESTED
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.06066	L.01569	L-20.806	L21.072	L-1.0750	L.11243	L.19887
#1	L-.87111	L.00785	L-28.681	L25.154	L-.14012	L.16864	L.16492
#2	L.87470	L.03138	L-17.990	L27.459	L1.0619	L.00000	L.26677
#3	L.17839	L.00785	L-15.746	L10.603	L-4.1469	L.16864	L.16492

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00305	L-.01391	L-.93177	L-1.2264	L1.5239	183.83	-.03246
#1	L-.00102	L-.01402	L1.4617	L-.43893	L2.2410	184.67	-.03261
#2	L.00914	L-.01370	L.04365	L-1.2269	L1.1654	183.22	-.03217
#3	L.00102	L-.01402	L-4.3007	L-2.0133	L1.1654	183.58	[illegible]

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00020	L-4.6718	L.01573	L.37644	L2.9009	L.82608	L-.62047
#1	.00005	L-6.2290	L.01573	L-.57573	L2.3735	L.70784	L4.5653
#2	.00050	L-1.5572	L.01573	L.67538	L2.3735	L1.0626	L-3.1788
#3	.00005	L-6.2290	L.01573	L1.0297	L3.9558	L.70784	L-3.2479

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00984	L10.546	L-36.458	L5.0511	L.35142	L1.1830	L-.39135
#1	L.00722	L8.3887	L-26.303	L7.0685	L.35142	L1.0140	L-1.1822
#2	L.00525	L14.141	L-66.987	L-11.091	L.35142	L1.5210	L-.16583
#3	L.01706	L9.1077	L-16.083	L19.176	L.35142	L1.0140	L.17399

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.22941	L6.9079	L.36142
#1	L-.13765	L7.6855	L.35479
#2	L.41294	L7.0028	L.42442
#3	L.41294	L6.0353	L.30505

Method: SED5 Sample Name: FF02R83 Operator: MS
Run Time: 08/10/90 15:28:55
Comment: UNDIGESTED
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-1.4523	L.01569	L-23.422	L8.1370	L-2.0099	L-.08432	L.16492
#1	L-3.3117	L.00785	L-24.732	L7.7730	L-8.9550	L-.25297	L.16492
#2	L-1.2234	L.01961	L-24.730	L14.584	L1.4626	L.00000	L.16492
#3	L.17828	L.01961	L-20.804	L2.0536	L1.4626	L.00000	L.16492

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.01523	L-.01344	L-.77839	L-3.8941	L1.6136	64.177	-.03261
#1	L.01930	L-.01338	L-.90332	L-7.2619	L1.1654	63.573	-.03261
#2	L.02133	L-.01323	L-3.3086	L-4.5067	L-2.3302	64.298	-.03261
#3	L.00508	L-.01370	L1.8768	L.08641	L6.0055	64.661	-.03261

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00005	L-6.0560	L.01573	L-.19929	L2.3735	L.15606	L-3.9624
#1	.00005	L-6.2290	L.01573	L-.37644	L3.9558	L-.00159	L-7.4657
#2	.00005	L-4.1527	L.01573	L-.46501	L1.5823	L.23489	L2.7676
#3	.00005	L-7.7863	L.01573	L.24358	L1.5823	L.23489	L-7.1891

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01509	L-9.1077	L-12.806	L-4.5339	L.31628	L1.1267	L-1.2973

#1	L.01115	L-20.372	L-17.898	L-14.120	L.35142	L1.3520	L-1.5251
#2	L.01312	L2.6364	L12.676	L-2.0113	L.24600	L1.3520	L-2.5545
#3	L.02099	L-9.5870	L-33.194	L2.5290	L.35142	L.67600	L.18776

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.22941	L-3.9522	L.33821
#1	L.13765	L-5.5128	L.30505
#2	L.41294	L-2.7572	L.38463
#3	L.13765	L-3.5867	L.32494

Method: SED5 Sample Name: FS02R85 Operator: MS
Run Time: 08/10/90 15:30:57
Comment: UNDIGESTED
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	L1.3362	L.01177	L-18.720	L33.623	L-1.0750	L-.11243	L.16492
#1	L1.2232	L.03138	L-21.342	54.138	L3.4660	L.16864	L.16492
#2	L.17303	L.00785	L-21.343	L31.218	L-5.7496	L-.50593	L.16492
#3	L2.6123	L-.00392	L-13.474	L15.513	L-.94148	L.00000	L.16492

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.04029	L.01482	L-.80633	L-4.1128	L2.5995	136.33	-.03116
#1	L.04367	L.01468	L.11366	L-7.1310	L2.2410	136.09	-.03130
#2	L.04164	L.01492	L-1.1296	L-2.1445	L3.3166	137.54	-.03130
#3	L.03555	L.01484	L-1.4031	L-3.0630	L2.2410	135.36	-.03086

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00153	L-6.4020	L.01573	L.28048	L2.3735	L.43195	L-.25170
#1	.00138	L-6.7481	L.01573	L-.07750	L2.3735	L.47136	L1.7996
#2	.00138	L-7.2672	L.01573	L.11072	L2.3735	L.23489	L-1.5193
#3	.00183	L-5.1908	L.01573	L.80824	L2.3735	L.58960	L-1.0353

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.02198	L3.5951	L-24.975	L-17.398	L.31628	L1.1830	L-1.2378
#1	L.02493	L2.6364	L-17.291	L-14.875	L.24600	L1.5210	L-.16277
#2	L.02690	L9.8267	L-45.397	L-17.146	L.35142	L1.0140	L-1.6889
#3	L.01411	L-1.6777	L-12.237	L-20.174	L.35142	L1.0140	L-1.8619

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.13765	L8.5220	L.31168
#1	L-.13765	L9.0290	L.28515
#2	L.41294	L8.3321	L.35479
#3	L.13765	L8.2049	L.29510

Run 813B

Method: SED5 Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00710	.11373	.01200	-.03087	.07607	.00040	.02407
#1	-.00760	.11360	.01380	-.04500	.07620	.00040	.02400
#2	-.00690	.11400	.01220	-.02520	.07520	.00060	.02420
#3	-.00680	.11360	.01000	-.02240	.07680	.00020	.02400

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.30220	.05713	.00283	.00207	-.00087	.00093	.01440
#1	.30060	.05720	.00760	.00000	-.00120	.00160	.01440
#2	.30360	.05720	-.00190	.00700	-.00300	.00080	.01440
#3	.30240	.05700	.00280	-.00080	.00160	.00040	.01440

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01440	.12680	.24247	-.01060	.03420	.07080	.00840
#1	.01440	.12840	.24160	-.01660	.03440	.07040	.01440
#2	.01440	.12640	.24300	-.00640	.03360	.07080	.00400
#3	.01440	.12560	.24280	-.00880	.03460	.07120	.00680

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.26893	-.00037	.00083	.00253	.03573	.12760	.00300
#1	.26960	.00000	.00060	.00720	.03560	.12760	.00100
#2	.26800	-.00100	.00130	.00000	.03560	.12760	.00560
#3	.26920	-.00010	.00060	.00040	.03600	.12760	.00240

Elem	Y	Znlow	Znhigh
Avge	-.00140	.11673	.31387
#1	-.00140	.11720	.31320
#2	-.00120	.11640	.31240
#3	-.00160	.11660	.31600

Method: SED5 Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.56673	.12133	.06567	4.9169	.15527	.00107	.02573
#1	.57200	.12140	.06460	4.9532	.15480	.00100	.02560
#2	.57160	.12140	.06640	4.9796	.15760	.00120	.02600
#3	.55660	.12120	.06600	4.8180	.15340	.00100	.02560

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.33987	.10600	.05400	15.246	7.4370	-.00227	8.8341
#1	.34160	.10640	.05860	15.394	7.5300	-.00240	8.9176
#2	.33800	.10640	.05040	15.372	7.5078	-.00160	8.9180
#3	.34000	.10520	.05300	14.972	7.2732	-.00280	8.6666

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	8.8341	.13520	.29187	-.00873	2.5621	.07480	28.934

#1	8.9176	.13600	.29360	-.01200	2.6024	.07480	29.248
#2	8.9180	.13440	.29200	.00400	2.5822	.07480	29.129
#3	8.6666	.13520	.29000	-.01820	2.5018	.07480	28.425

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	20.592	-.00120	.39333	2.6455	19.006	.13267	-.32147
#1	20.922	-.00320	.39520	2.6640	19.202	.13260	-.32380
#2	20.753	.00020	.39820	2.6768	19.183	.13280	-.31920
#3	20.103	-.00060	.38660	2.5958	18.634	.13260	-.32140

Elem	Y	Znlow	Znhigh
Avge	14.529	.12600	.31867
#1	14.678	.12760	.31780
#2	14.666	.12640	.31960
#3	14.242	.12400	.31860

Method: SED5 Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.10300	.12960	.00707	-.01507	5.0676	.00077	19.661
#1	-.10260	.13000	.00800	-.00580	5.0660	.00040	19.672
#2	-.10300	.12960	.00640	-.02480	5.0848	.00100	19.678
#3	-.10340	.12920	.00680	-.01460	5.0520	.00090	19.635

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	2.2703	24.423	15.694	-.02213	-.13633	5.5171	.01447
#1	2.2704	24.463	15.671	-.02240	-.13200	5.5260	.01520
#2	2.2744	24.426	15.746	-.02400	-.13660	5.5174	.01440
#3	2.2662	24.380	15.664	-.02000	-.14040	5.5078	.01380

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01447	.18347	.32067	1.7958	.03533	16.986	.02013
#1	.01520	.18440	.32040	1.7996	.03560	16.972	.02500
#2	.01440	.18360	.32080	1.7878	.03560	17.025	.03080
#3	.01380	.18240	.32080	1.8000	.03480	16.960	.00460

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.29013	1.3904	.00457	.00573	.03993	.12853	11.774
#1	.28960	1.3962	.00350	.00120	.04120	.12840	11.787
#2	.29120	1.3860	.00500	.01280	.03960	.12880	11.779
#3	.28960	1.3890	.00520	.00320	.03900	.12840	11.756

Elem	Y	Znlow	Znhigh
Avge	.00140	14.685	.51333
#1	.00220	14.684	.51280
#2	.00120	14.707	.51200
#3	.00080	14.664	.51520

Method: SED5 Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01040	.47993	3.5684	-.01000	.10747	11.860	.04480
#1	-.01000	.47960	3.5764	-.03120	.11440	11.873	.05160
#2	-.01060	.48140	3.5768	.00560	.10560	11.899	.04240
#3	-.01060	.47880	3.5520	-.00440	.10240	11.807	.04040

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.33480	.08173	.01300	.03193	-.00120	.00640	40.765
#1	.33620	.09080	.02350	.03160	-.00120	.00800	40.810
#2	.33220	.07880	.00960	.03200	-.00200	.00560	40.749
#3	.33600	.07560	.00590	.03220	-.00040	.00560	40.736

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	40.765	3.9797	.59967	-.01080	.03507	.09200	.00367
#1	40.810	3.9876	.59800	-.03140	.03480	.09800	-.00480
#2	40.749	3.9764	.60100	-.00360	.03560	.09000	.00100
#3	40.736	3.9752	.60000	.00260	.03480	.08800	.01480

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.28320	.00040	.00067	.01087	.03693	11.962	.01213
#1	.28120	.00060	.00180	.00620	.03720	11.986	.01480
#2	.28360	.00020	.00130	.00960	.03680	11.968	.01120
#3	.28480	.00040	-.00110	.01680	.03680	11.933	.01040

Elem	Y	Znlow	Znhigh
Avge	-.00040	.13160	.31940
#1	-.00080	.13720	.31980
#2	-.00040	.12800	.31840
#3	.00000	.12960	.32000

Method: SED5 Standard: cazn

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00773	.11680	-.09927	-.02333	.10833	.00427	.02627
#1	-.00860	.11680	-.10440	-.02940	.10840	.00610	.02640
#2	-.00660	.11640	-.09660	-.01200	.10660	.00410	.02640
#3	-.00800	.11720	-.09680	-.02860	.11000	.00260	.02600

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	79.074	215.45	.00567	-.00200	-.00187	.00267	.02587
#1	78.910	215.40	.00560	-.00440	-.00640	.00280	.03120
#2	79.209	215.46	.00640	-.00240	.00080	.00280	.02480
#3	79.104	215.49	.00500	.00080	.00000	.00240	.02160

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.02587	.15253	.25353	-.00447	.03940	.07613	.06407
#1	.03120	.15240	.25480	-.01360	.03900	.07600	.03680
#2	.02480	.15280	.25160	.00600	.03960	.07640	[illegible]

#3	.02160	.15240	.25420	-.00580	.03960	.07600	.07180

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.29687	-.00067	-.00077	-.00227	.05733	.15100	.00253
#1	.29580	-.00260	-.00160	-.00880	.05720	.15240	.00200
#2	.29600	-.00020	-.00120	.00240	.05760	.15100	.00400
#3	.29880	.00080	.00050	-.00040	.05720	.14960	.00160

Elem	Y	Znlow	Znhigh
Avge	.00080	479.75	8.3563
#1	.00080	479.75	8.3648
#2	.00080	479.75	8.3626
#3	.00080	479.76	8.3414

Method: SED5 Standard: alfe

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.05360	13.710	124.85	.99460	.17667	.00343	.27587
#1	-.05340	13.695	124.77	1.0178	.17600	.00370	.27520
#2	-.05340	13.745	124.96	.98140	.17560	.00320	.27560
#3	-.05400	13.690	124.83	.98460	.17840	.00340	.27680

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.39773	1.1121	-.01330	-.00733	-.00520	-.03047	.01727
#1	.46040	1.9264	-.01220	-.00640	-.00400	-.03080	.01760
#2	.36960	.76800	-.01550	-.00920	-.00660	-.03080	.01740
#3	.36320	.64200	-.01220	-.00640	-.00500	-.02980	.01680

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01727	143.97	13.806	-.00327	.03487	.20507	-.13640
#1	.01760	143.67	13.797	-.00160	.03480	.20520	-.11720
#2	.01740	144.27	13.828	.00020	.03500	.20480	-.14640
#3	.01680	143.99	13.793	-.00840	.03480	.20520	-.14560

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.32653	-.00087	.01087	-.02553	.03720	.13127	-.02260
#1	.32720	-.00160	.01100	-.03120	.03720	.13120	-.02180
#2	.32680	-.00020	.01000	-.02780	.03720	.13100	-.02240
#3	.32560	-.00080	.01160	-.01760	.03720	.13160	-.02360

Elem	Y	Znlow	Znhigh
Avge	.00093	.82280	.32513
#1	.00160	1.2844	.33080
#2	.00080	.62440	.32320
#3	.00040	.55960	.32140

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Method: SED5

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.000	ten1	blnk	1742.67	12.3729	08/10/90 02:31:16
Alhigh	308.200	alfe	blnk	29.4194	-3.34597	08/10/90 02:38:52
Allow	396.100	ten3	blnk	2811.83	-33.7420	08/10/90 02:35:02
As	193.600	ten1	blnk	2021.10	62.3846	08/10/90 02:31:16
B	249.600	ten2	blnk	2003.39	-152.391	08/10/90 02:33:02
Ba	493.400	ten3	blnk	843.220	-.337288	08/10/90 02:35:02
Be	234.800	ten2	blnk	509.232	-12.2555	08/10/90 02:33:02
Cahigh	315.800	cazn	blnk	5.07795	-1.53456	08/10/90 02:36:52
Calow	393.300	ten2	blnk	1.12696	-.000857	08/10/90 02:33:02
Cd	228.800	ten2	blnk	637.311	-1.80571	08/10/90 02:33:02
Co	228.600	ten1	blnk	656.007	-1.35575	08/10/90 02:31:16
Cr	205.500	ten1	blnk	1344.47	1.16521	08/10/90 02:31:16
Cu	324.700	ten2	blnk	1812.86	-1.69201	08/10/90 02:33:02
Mghigh	279.553	ten3	blnk	1.41148	-.016195	08/10/90 02:35:02
Mglow	279.553	ten1	blnk	1.46620	-.019513	08/10/90 02:31:16
Felow	259.900	ten3	blnk	2595.43	-329.100	08/10/90 02:35:02
Fehigh	271.400	alfe	blnk	29.4904	-7.15044	08/10/90 02:38:52
K	766.400	ten2	blnk	55.3587	.586802	08/10/90 02:33:02
Li	670.700	ten1	blnk	3955.80	-135.288	08/10/90 02:31:16
Mn	257.600	ten2	blnk	591.189	-41.8562	08/10/90 02:33:02
Mo	202.000	ten1	blnk	345.719	-2.90404	08/10/90 02:31:16
Na	589.000	ten1	blnk	4.92040	-1.32326	08/10/90 02:31:16
Ni	231.600	ten2	blnk	7190.28	2.63644	08/10/90 02:33:02
Pb	220.300	ten1	blnk	25477.7	-21.2314	08/10/90 02:31:16
Sn	189.900	ten1	blnk	3783.58	-9.58507	08/10/90 02:31:16
Sr	421.500	ten1	blnk	527.133	-18.8362	08/10/90 02:31:16
Ti	334.900	ten3	blnk	844.994	-107.821	08/10/90 02:35:02
V	292.400	ten2	blnk	849.541	-2.54862	08/10/90 02:33:02
Y	371.000	ten1	blnk	688.234	.963528	08/10/90 02:31:16
Znlow	213.800	ten2	blnk	689.809	-80.5237	08/10/90 02:33:02
Znhigh	481.000	cazn	blnk	49.7364	-15.6106	08/10/90 02:36:52

Method: SED5 Sample Name: FIRST INSTRUMENT Operator:
Run Time: 08/10/90 14:42:05
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	L1.4485	L.00785	L6.5722	L14.375	L3.8667	L.08432	L.16492
#1	L4.3585	L-.00392	L11.258	L31.682	L9.4762	L-.08432	L.16492
#2	L-.18241	L.00785	L3.3905	L21.112	L.66123	L.00000	L.16492
#3	L.16932	L.01961	L5.0685	L-9.6688	L1.4626	L.33729	L.16492

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.01760	L.00733	L-.73665	L-4.1556	L-.44796	L-.11878	-.02708
#1	L.01625	L.00712	L.46050	L-3.9803	L-.98575	L.84808	-.02737
#2	L.02539	L.00822	L.34257	L-4.5062	L-4.2125	L-.23964	-.02694
#3	L.01117	L.00664	L-3.0130	L-3.9803	L3.8543	L-.96478	-.02694

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00567	L7.6133	L.01573	L.24358	L.52743	L.15606	L.69326
#1	.00538	L9.3435	L.01573	L.77502	L.79115	L.47136	L-3.0405
#2	.00582	L8.3054	L.01573	L.29894	L1.5823	L-.00159	L8.0225
#3	.00582	L5.1909	L.01573	L-.34322	L-.79117	L-.00159	L-2.9022

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01115	L2.1571	L18.662	L-14.624	L.14057	L.56334	L-2.4925
#1	L.00918	L1.1984	L67.872	L-6.5532	L.14057	L.33800	L-.51177
#2	L.02099	L2.6364	L-11.059	L13.122	L.14057	L1.0140	L-4.0890
#3	L.00328	L2.6364	L-.82737	L-50.441	L.14057	L.33800	L-2.8767

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.27529	L6.0225	L.16579
#1	L.41294	L6.1097	L.16579
#2	L.13765	L6.9429	L.16579
#3	L.27529	L5.0150	L.16579

Method: SED5 Sample Name: AG FIRST Operator:
Run Time: 08/10/90 14:44:28
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	53.388	3.6215	Q3591.0	Q22.128	Q15.486	Q1.4335	Q1.1834
#1	51.760	3.6077	Q3572.2	Q55.210	Q17.089	Q1.2648	Q1.1834
#2	52.806	3.6430	Q3594.7	Q-4.7958	Q16.688	Q1.1805	Q1.1834

#3	Q55.598	3.6136	Q3605.9	Q15.970	Q12.682	Q1.8551	Q1.1834

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.09106	Q.07510	Q-.98158	Q1.0032	Q.44835	Q1.0898	-.00883
#1	.08734	Q.07558	Q-3.5902	Q1.0032	Q-2.5991	Q.48551	-.00883
#2	.09851	Q.07510	Q.13976	Q2.5776	Q3.8543	Q1.2107	-.00883
#3	.08734	Q.07463	Q.50567	Q-.57119	Q.08983	Q1.5732	-.00883

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.02424	Q43.603	.01573	.02952	Q3.4283	Q1.9690	Q.53193
#1	.02424	Q44.641	.01573	-.38751	Q3.9558	Q1.8902	Q.00183
#2	.02424	Q42.565	.01573	.31001	Q2.3735	Q1.8902	Q-.89704
#3	.02424	Q43.603	.01573	.16608	Q3.9558	Q2.1267	Q2.4910

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.08791	Q.23968	Q7.9333	Q2.7799	Q2.4600	Q1.6900	Q.17195
#1	.09185	Q-3.1158	Q-2.2652	Q-7.8151	Q2.4600	Q1.6900	Q-.51636
#2	.08398	Q9.8267	Q-4.7714	Q-21.434	Q2.4600	Q1.6900	Q-.15818
#3	.08791	Q-5.9919	Q30.836	Q37.588	Q2.4600	Q1.6900	Q1.1904

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q3.1200	Q23.952	.27189
#1	Q3.1659	Q24.322	.26526
#2	Q2.6153	Q24.043	.26526
#3	Q3.5788	Q23.489	.28515

Method: SED5 Sample Name: AQC FIRST Operator:
Run Time: 08/10/90 14:46:18
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	Q-71.726	5.7459	5115.6	5065.4	5084.4	4912.7	5107.8
#1	Q-71.284	5.7361	5099.5	5076.9	5057.2	4899.4	5096.7
#2	Q-72.593	5.7714	5144.5	5106.2	5112.8	4930.9	5122.5
#3	Q-71.299	5.7302	5102.9	5013.1	5083.2	4907.8	5104.2

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.1927	5.0779	4997.4	5065.7	4938.0	5044.4	4.9585
#1	5.1744	5.0683	4993.9	5054.1	4930.9	5031.7	4.9544
#2	5.2211	5.0939	5011.2	5078.2	4932.2	5063.3	4.9702
#3	5.1826	5.0714	4987.1	5065.0	4950.8	5038.3	4.9508

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

Avge	5.0817	5035.1	6.8929	.33584	5126.2	5042.3	4930.4
#1	5.0775	5023.7	6.9106	.27679	5088.0	5028.0	4920.2
#2	5.0936	5059.0	6.9224	.46501	5171.0	5050.7	4951.6
#3	5.0739	5022.7	6.8457	.26572	5119.6	5048.2	4919.3

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.11875	5044.5	4977.9	5009.4	5188.3	4948.9	4895.8
#1	.13515	5063.2	5039.4	5019.2	5177.9	4944.2	4887.2
#2	.11153	5034.4	4949.4	4957.9	5208.1	4961.6	4913.3
#3	.10956	5035.8	4945.1	5051.0	5178.9	4940.9	4887.0

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5138.7	4999.4	5.1792
#1	5127.3	4993.9	5.0598
#2	5155.7	5019.7	5.1792
#3	5133.0	4984.8	5.2986

Method: SED5 Sample Name: HIGH FIRST Operator:
Run Time: 08/10/90 14:48:09
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	Q-.02423	98.864	Q99593.	Q38.268	Q25.426	Q4.7782	Q5.1821
#1	Q.30191	98.927	Q99832.	Q31.350	Q33.216	Q5.9025	Q5.8930
#2	Q.29766	98.620	Q99107.	Q41.418	Q23.622	Q4.5534	Q5.5020
#3	Q-.67225	99.043	Q99841.	Q42.034	Q19.441	Q3.8788	Q4.1513

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	100.26	Q77.660	Q4.8796	Q1.7788	Q6.5841	Q2.5451	99.923
#1	99.981	Q77.645	Q5.3079	Q2.0398	Q3.4458	Q1.6853	99.658
#2	100.42	Q77.623	Q5.4921	Q1.7788	Q7.7474	Q4.5789	99.826
#3	100.37	Q77.712	Q3.8388	Q1.5179	Q8.5593	Q1.3711	100.28

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	103.96	Q93791.	96.966	98.642	Q13.977	Q21.279	Q5.3105
#1	103.68	Q93709.	96.862	100.06	Q15.032	Q22.157	Q9.8619
#2	103.86	Q93615.	96.809	97.642	Q13.450	Q20.980	Q4.3242
#3	104.36	Q94049.	97.228	98.229	Q13.450	Q20.701	Q1.7454

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	104.41	Q-6.9506	Q-10.009	Q24.650	Q7.2042	Q9.0696	Q4.7802
#1	105.09	Q-13.901	Q-10.468	Q19.070	Q8.0476	Q9.9709	Q4.1998
#2	103.37	Q-5.9919	Q-13.499	Q23.571	Q7.0987	Q9.1259	Q6.5882
#3	104.77	Q-.95870	Q-6.0599	Q31.308	Q6.4663	Q9.1119	Q3.5525

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q9979.7	Q94975.	98.064
#1	Q9981.5	Q94948.	98.027
#2	Q9960.5	Q94770.	97.649
#3	Q9997.2	Q95208.	98.515

Method: SED5 Sample Name: FJ03S07 Operator: MS
Run Time: 08/10/90 14:50:57
Comment: SF7277
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	L1.4793	L-.00957	L23.855	L26.353	L4.4095	L.48007	L.21445
#1	L-.63840	L-.00479	L23.395	L25.834	L5.7100	L.61724	L.21224
#2	L3.1805	L-.01914	L34.372	L11.114	L3.7547	L.61724	L.21224
#3	L1.8960	L-.00479	L13.797	L42.111	L3.7637	L.20575	L.21886

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.10945	L.12439	L-1.7641	L-3.0944	L.10905	49.096	.01388
#1	L.10656	L.12724	L-2.2269	L-3.4141	L1.4213	48.360	.01610
#2	L.10532	L.12358	L-2.7468	L-2.9352	L-3.1714	51.014	.01371
#3	L.11647	L.12233	L-.31854	L-2.9339	L2.0772	47.915	.01184

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.05467	L18.999	L-.02399	L.04503	L-.32175	L.09858	L.78453
#1	.05693	L22.798	L-.01679	L.37821	L-.96522	L.29019	L1.7695
#2	.05449	L16.465	L-.01679	L-1.0131	L-.96522	L.00169	L-3.7979
#3	.05260	L17.732	L-.03838	L.76993	L.96521	L.00387	L4.3820

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.17529	L.87721	L21.494	L1.8377	L.42874	L-.13744	L-1.3828
#1	L.17449	L-5.5557	L25.650	L21.535	L.42874	L-.41235	L1.0397
#2	L.17929	L4.9709	L47.310	L-33.857	L.42874	L.41237	L-1.8754
#3	L.17209	L3.2165	L-8.4763	L17.835	L.42874	L-.41235	L-3.3126

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.1755	L24.055	L-.07281
#1	L1.5114	L26.750	L-.11327
#2	L.83965	L23.707	L.03236
#3	L1.1755	L21.706	L-.13754

Method: SED5 Sample Name: FJ03R06 Operator: MS

Run Time: 08/10/90 14:52:55
Comment: SF7277
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-.99944	L-.00957	L3.5920	L-19.344	L.83171	L1.3716	L.13676
#1	L-4.0549	L-.01914	L-.98161	L-1.7035	L2.7950	L1.4402	L-.02302
#2	L.62750	L-.01914	L5.8729	L-23.895	L-2.0933	L1.3373	L.22549
#3	L.42912	L.00957	L5.8848	L-32.432	L1.7934	L1.3373	L.20782

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.60795	.63435	L.65165	L-1.9739	L5.6857	33.023	.06845
#1	L.60836	.63725	L3.4058	L-3.5735	L6.0135	31.546	.06881
#2	L.59845	.63290	L-2.2717	L-3.2547	L6.3416	34.200	.06881
#3	L.61703	.63290	L.82085	L.90639	L4.7020	33.323	.06774

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.11020	L14.143	L-.04078	L-.05403	L.32173	L2.6968	L.41704
#1	.11056	L15.199	L-.05996	L-.16209	L-.96522	L2.3140	L-3.7186
#2	.11056	L10.766	L-.05996	L-.08105	L.96521	L2.8910	L5.3074
#3	.10947	L16.465	L-.00240	L.08105	L.96521	L2.8852	L-.33770

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.29696	L-5.5557	L12.650	L-3.7071	L1.4148	L-.13745	L.35968
#1	L.29456	L-2.0468	L-20.434	L-15.408	L1.3291	L-.82471	L-1.0222
#2	L.28256	L-10.819	L35.442	L-28.333	L1.4577	L.00000	L.63700
#3	L.31378	L-3.8013	L22.942	L32.619	L1.4577	L.41237	L1.4643

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.44781	L37.489	L.00809
#1	L.00000	L38.285	L-.08899
#2	L.50379	L37.599	L-.01618
#3	L.83965	L36.584	L.12945

Method: SED5 Sample Name: DIGESTION 38 Operator:
Run Time: 08/10/90 14:55:02
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	L1.9125	L.00392	L8.1377	L17.092	L5.3440	L.50593	L.13700
#1	L1.9216	L.00785	L11.322	L-16.884	L4.6705	L.67458	L.16673
#2	L1.5663	L.00785	L14.138	58.301	L8.2766	L.50593	L.16673
#3	L2.2495	L-.00392	L-1.0471	L9.8596	L3.0850	L.33729	L.07755

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh

Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.12018	L.11940	L1.3260	L-1.3549	L.80663	L.36205	-.00883
#1	L.11679	L.11945	L-.28641	L-2.1419	L2.2409	L1.9350	-.00883
#2	L.12289	L.11929	L1.9329	L-.83041	L-4.7503	L-.60299	-.00883
#3	L.12086	L.11945	L2.3316	L-1.0923	L4.9293	L-.24587	-.00883

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.02424	L3.9797	L-.00393	L.45394	L-.26373	L.00040	L.27612
#1	.02424	L3.6336	L.00983	L.94110	L-.79117	L.23548	L1.9372
#2	.02424	L6.2290	L.00983	L-.08857	L.79115	L-.00099	L.00114
#3	.02424	L2.0764	L-.03146	L.50930	L-.79117	L-.23330	L-1.1100

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.22242	L-.71903	L-12.732	L-13.370	L.98398	L-.56333	L-1.1873
#1	L.22963	L-5.9919	L-21.295	L-6.5544	L.98398	L-.67599	L1.0263
#2	L.21782	L-.23968	L-21.225	L-22.445	L.98398	L-.33799	L-1.3723
#3	L.21979	L4.0745	L4.3234	L-11.109	L.98398	L-.67599	L-3.2158

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.36706	L6.1611	L-.06632
#1	L.27529	L7.4849	L-.05305
#2	L.96353	L6.6696	L-.03316
#3	L-.13765	L4.3288	L-.11274

Method: SED5 Sample Name: FJ21S47 Operator: MS
Run Time: 08/10/90 15:04:25
Comment: SF7277
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	L2.2836	L.10528	L-46.744	L2.8652	2102.9	14.848	L-.17315
#1	L1.5745	L.09571	L-37.498	L-20.098	2095.3	14.608	L-.16873
#2	L2.4338	L.12442	L-43.348	L-7.4294	2108.4	14.917	L-.18639
#3	L2.8425	L.09571	L-59.385	L36.123	2105.1	15.019	L-.16432

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	333.29	?.00000	L-1.1261	L-1.7687	L2.0830	L5.6597	21.728
#1	332.72	?.00000	L-.03419	L-3.5826	L3.3950	7.7221	21.698
#2	333.23	?.00000	L-.58741	L.25836	L2.0835	L4.1910	21.694
#3	333.90	?.00000	L-2.7567	L-1.9819	L.77044	L5.0661	21.792

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	22.199	L35.675	L.42934	7.7938	18.339	576.04	L-.90618
#1	22.169	L34.197	L.41495	8.2531	16.409	575.44	[illegible]

#2	22.165	L38.630	L.47251	7.6453	20.270	573.06	L-6.1874
#3	22.265	L34.197	L.40056	7.4832	18.339	579.41	L-.45963

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	25.995	L10.527	L-33.144	L26.616	1778.6	L5.0857	L-.87149
#1	25.952	25.147	L-58.048	46.613	1778.5	L4.9483	L.02979
#2	25.672	L1.4620	L10.339	L30.016	1772.3	L5.3606	L-1.0076
#3	26.361	L4.9709	L-51.724	L3.2178	1784.9	L4.9483	L-1.6367

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L2.0711	296.59	L.57038
#1	L1.5114	296.52	L.51779
#2	L2.5189	297.71	L.66342
#3	L2.1831	295.53	L.52992

Method: SED5 Sample Name: FJ21S47 Operator: MS
Run Time: 08/10/90 15:07:12
Comment: SF7277
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.16159	L.08614	L-57.006	L15.784	2143.8	14.985	L-.09326
#1	L.72406	L.12442	L-64.754	L-11.370	2132.9	14.608	L-.17315
#2	L-.96411	L.08135	L-52.036	L3.6390	2119.7	14.917	L.05770
#3	L.72483	L.05264	L-54.228	55.083	2178.9	15.431	L-.16432

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	339.39	?.00000	L.05448	L-2.0878	L2.6299	10.822	22.138
#1	337.29	?.00000	L3.0934	L.73920	L4.3794	11.705	22.015
#2	338.93	?.00000	L-2.8409	L-2.6215	L2.0837	10.386	22.077
#3	341.93	?.00000	L-.08906	L-4.3810	L1.4265	10.374	22.322

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	22.619	L35.042	L.43894	7.9244	20.913	585.32	L1.9630
#1	22.493	L37.997	L.42934	7.6858	20.270	583.16	L1.3152
#2	22.556	L32.931	L.48691	7.3076	22.200	582.87	L-.78703
#3	22.807	L34.197	L.40056	8.7799	20.270	589.94	L5.3609

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	26.765	L2.6316	L-10.548	L-2.9247	1817.2	L4.3985	L-.04032
#1	26.476	L-10.819	L-58.143	L8.7686	1799.4	L4.9483	L-1.0031
#2	26.509	L4.9709	L-2.3737	L10.631	1808.7	L4.5359	L-.59231
#3	27.308	L13.743	L28.871	L-28.174	1843.4	L3.7112	L1.4745

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L

Avge	L2.1271	293.59	L.49352
#1	L1.8472	294.65	L.63915
#2	L2.3510	290.44	L.46925
#3	L2.1831	295.67	L.37216

Method: SED5 Sample Name: FJ21S47 Operator: MS
Run Time: 08/10/90 15:09:39
Comment: SF7277
Mode: CONC Corr. Factor: 1.52

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	49.568	L.89431	692.18	L-14.579	2979.0	208.02	9.6049
#1	47.886	L.88835	690.14	L-25.400	2965.2	208.79	9.7154
#2	48.419	L.88835	702.95	L1.6303	3005.3	209.17	9.3948
#3	52.400	L.90623	683.46	L-19.966	2966.4	206.10	9.7044

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	392.90	?.00000	23.766	90.639	93.479	56.594	46.011
#1	391.94	?.00000	23.033	90.706	90.890	58.795	45.892
#2	393.25	?.00000	24.300	91.105	93.752	53.840	46.128
#3	393.52	?.00000	23.965	90.106	95.795	57.147	46.012

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	47.060	811.89	L1.4912	33.961	76.162	692.62	123.73
#1	46.939	808.73	L1.4673	34.432	76.964	690.16	126.39
#2	47.181	811.10	L1.5031	33.254	75.761	694.11	130.29
#3	47.061	815.84	L1.5031	34.197	75.761	693.57	114.52

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	79.070	157.02	795.40	551.51	2839.7	106.18	44.673
#1	80.590	165.76	831.53	544.98	2841.3	105.83	44.751
#2	79.031	152.64	730.89	603.66	2853.4	105.83	43.469
#3	77.590	152.64	823.77	505.89	2824.3	106.86	45.799

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	52.515	687.25	L.92735
#1	52.097	686.12	L1.0080
#2	52.933	691.17	L.91727
#3	52.515	684.44	L.85679

Method: SED5 Sample Name: BLANK SECOND Operator:
Run Time: 08/10/90 15:11:37
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	L2.1490	L.04315	L-5.0020	L22.413	L7.3392	L.08432	L.23282
#1	L1.5666	L.04315	L-1.0589	L44.376	L9.4762	L.16864	L.16492
#2	L2.9680	L.06080	L-11.187	L-15.135	L8.6748	L.00000	L.16492
#3	L1.9124	L.02550	L-2.7603	L37.999	L3.8667	L.08432	L.36861

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.09242	L.06211	L-.43122	L-2.1445	L1.3447	L-.60221	-.02090
#1	L.10257	L.07668	L-1.8581	L-2.5382	L-1.5235	L1.2107	-.01909
#2	L.09445	L.06232	L-.04350	L-1.3568	8.1567	L-.96478	-.02083
#3	L.08023	L.04734	L.60791	L-2.5387	L-2.5991	L-2.0525	-.02279

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01196	L1.3843	L.01573	L.80086	L2.3735	L.55019	L-.57437
#1	.01381	L1.0382	L.01573	L.96324	L2.3735	L.47136	L.41669
#2	.01204	L1.0382	L.01573	L.11072	L2.3735	L.70784	L.34754
#3	.01004	L2.0764	L.01573	L1.3286	L2.3735	L.47136	L-2.4873

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.02591	L8.8680	L2.6007	L6.0620	L.70285	L1.0140	L-1.3547
#1	L.02591	19.893	L-5.9414	L-21.684	L.77313	L1.0140	L-1.8726
#2	L.02099	L-3.1158	L4.3399	L17.666	L.77313	L.67600	L.70360
#3	L.03083	L9.8267	L9.4037	L22.204	L.56228	L1.3520	L-2.8951

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.18353	L-.78122	L.27852
#1	L.13765	L-1.0661	L.30505
#2	L.13765	L-.50350	L.28515
#3	L.27529	L-.77406	L.24537

Method: SED5 Sample Name: AG SECOND Operator:
Run Time: 08/10/90 15:13:35
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	53.964	.35302	Q329.20	Q29.314	Q20.962	Q-.14054	Q.16492
#1	54.189	.37263	Q327.32	Q39.049	Q17.490	Q-.33729	Q.16492
#2	53.156	.33733	Q328.44	Q28.316	Q23.099	Q.00000	Q.16492
#3	54.547	.34910	Q331.82	Q20.576	Q22.298	Q-.08432	Q.16492

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.03825	Q.02086	Q-2.5609	Q-1.5753	Q-.98575	Q-.84392	-.02839

#1	.03961	Q.02375	Q-2.8409	Q-.56960	Q7.0811	Q-.96478	-.02825
#2	.03555	Q.02020	Q-2.7665	Q-5.1617	Q-5.2881	Q.48551	-.02868
#3	.03961	Q.01863	Q-2.0755	Q1.0053	Q-4.7503	Q-2.0525	-.02825

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00434	Q-5.0178	.01573	.25834	Q2.3735	Q.31371	Q1.5230
#1	.00449	Q-8.3054	.01573	.26572	Q2.3735	Q.47136	Q3.7356
#2	.00405	Q-3.1145	.01573	.66430	Q2.3735	Q-.00159	Q2.3527
#3	.00449	Q-3.6336	.01573	-.15500	Q2.3735	Q.47136	Q-1.5193

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.08332	Q2.6364	Q-20.633	Q-9.5552	Q.35142	Q.56333	Q-1.4746
#1	.08201	Q11.265	Q-.21293	Q1.0402	Q.35142	Q.67600	Q-4.0569
#2	.08791	Q-7.4300	Q-35.983	Q-23.177	Q.35142	Q.67600	Q.32553
#3	.08004	Q4.0745	Q-25.702	Q-6.5286	Q.35142	Q.33800	Q-.69238

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q.04588	Q-2.2516	.25200
#1	Q-.13765	Q-1.3313	.26526
#2	Q-.13765	Q-2.4421	.26526
#3	Q.41294	Q-2.9814	.22547

Method: SED5 Sample Name: AQC SECOND Operator:
Run Time: 08/10/90 15:16:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Aq	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	Q-71.579	5.8654	5210.2	5189.1	5159.8	4983.0	5183.8
#1	Q-71.703	5.8067	5204.1	5144.4	5158.5	4981.2	5186.7
#2	Q-71.146	5.8654	5186.7	5176.9	5161.3	4977.4	5184.5
#3	Q-71.889	5.9242	5239.6	5246.1	5159.7	4990.3	5180.3

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2892	5.1645	5084.9	5146.4	5045.4	5124.2	5.0390
#1	5.2709	5.1669	5090.2	5148.3	5073.4	5116.2	5.0401
#2	5.3146	5.1622	5065.4	5145.7	5033.9	5119.1	5.0452
#3	5.2821	5.1644	5099.2	5145.4	5029.0	5137.3	5.0316

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.1637	5096.9	7.0030	-.02583	Q5269.1	5105.4	5018.0
#1	5.1648	5105.7	6.9991	-.32108	5209.8	5112.0	5008.8
#2	5.1700	5096.9	7.0226	.07750	5204.3	5106.3	5020.7
#3	5.1562	5088.1	6.9873	.16608	Q5393.3	5097.7	5024.6

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.08562	5110.8	5081.8	4967.6	Q5261.8	5026.0	4967.8
#1	.07807	5101.3	5044.6	4977.6	Q5261.6	5027.2	4965.4
#2	.09382	5106.3	5136.3	4966.3	Q5260.1	5027.4	4975.3
#3	.08496	5125.0	5064.6	4958.7	Q5263.8	5023.3	4962.7

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5210.2	5078.3	5.3450
#1	5214.8	5070.0	5.2787
#2	5215.7	5084.8	5.4180
#3	5200.0	5080.1	5.3384

Method: SED5 Sample Name: HIGH SECOND Operator:
Run Time: 08/10/90 15:18:30
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	Q-.05436	100.63	Q101410.	Q26.747	Q29.168	Q4.1599	Q4.8275
#1	Q.94725	100.93	Q101630.	Q-9.4017	Q38.602	Q4.8907	Q5.8408
#2	Q-.36869	100.39	Q101010.	Q48.294	Q22.029	Q4.6377	Q4.9192
#3	Q-.74164	100.57	Q101600.	Q41.350	Q26.872	Q2.9513	Q3.7224

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	101.89	Q78.221	Q.14640	Q.86123	Q9.2930	Q1.3061	101.88
#1	101.90	Q78.212	Q3.1972	Q2.0406	Q11.800	Q.79564	101.72
#2	101.93	Q78.214	Q.50964	Q1.1228	Q5.0821	Q2.6545	102.05
#3	101.84	Q78.236	Q-3.2677	Q-.57968	Q10.997	Q.46815	101.86

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	106.08	Q95093.	98.565	100.88	Q14.241	Q20.448	Q7.2246
#1	105.91	Q94826.	98.360	102.34	Q15.032	Q21.296	Q6.6477
#2	106.27	Q95255.	98.708	99.225	Q14.241	Q20.433	Q9.4539
#3	106.07	Q95197.	98.626	101.09	Q13.450	Q19.614	Q5.5722

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	106.34	Q9.3474	Q-4.0307	Q-29.177	Q6.7824	Q8.5626	Q2.9398
#1	107.71	Q19.893	Q55.608	Q-39.314	Q7.6259	Q9.4639	Q1.9176
#2	104.88	Q11.265	Q-22.667	Q-19.560	Q7.0987	Q9.1259	Q4.6339
#3	106.44	Q-3.1158	Q-45.033	Q-28.657	Q5.6228	Q7.0980	Q2.2680

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10126.	Q96529.	99.609
#1	Q10112.	Q96455.	99.430

Run 8/3B

#2	Q10135.	Q96532.	99.469
#3	Q10133.	Q96600.	99.927

Kmm 2/3/8

Rum 8/3A

Method: SED5 Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00543	.11573	.00933	-.02013	.07680	.00040	.02440
#1	-.00390	.11520	.01140	-.01020	.07520	.00050	.02440
#2	-.00800	.11520	.00700	-.03480	.07720	.00030	.02440
#3	-.00440	.11680	.00960	-.01540	.07800	.00040	.02440

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.30947	.05573	.00103	-.00107	-.00133	.00073	.01440
#1	.30880	.05560	-.00340	-.00360	-.00320	.00140	.01440
#2	.30800	.05600	-.00120	-.00280	.00080	-.00040	.01440
#3	.31160	.05560	.00770	.00320	-.00160	.00120	.01440

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01440	.12673	.24720	-.00520	.03493	.07213	.01147
#1	.01440	.12660	.24600	.00140	.03480	.07200	.02280
#2	.01440	.12600	.24520	-.00160	.03440	.07160	.00040
#3	.01440	.12760	.25040	-.01540	.03560	.07280	.01120

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.27213	.00033	.00043	.00467	.03660	.13027	.00053
#1	.27120	.00080	.00100	.00920	.03660	.13000	.00320
#2	.26880	.00020	-.00020	.00840	.03640	.12960	-.00320
#3	.27640	.00000	.00050	-.00360	.03680	.13120	.00160

Elem	Y	Znlow	Znhigh
Avge	-.00080	.11373	.32260
#1	.00040	.11480	.32380
#2	-.00200	.11200	.32040
#3	-.00080	.11440	.32360

Method: SED5 Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.57273	.12133	.05893	4.9907	.13973	.00083	.02573
#1	.57600	.12140	.06180	5.0120	.14000	.00110	.02600
#2	.57020	.12140	.06000	4.9652	.13720	.00080	.02560
#3	.57200	.12120	.05500	4.9950	.14200	.00060	.02560

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.33773	.04880	.06413	15.419	7.4991	-.00367	8.8923
#1	.33760	.04880	.06560	15.468	7.5084	-.00320	8.9080
#2	.33760	.04880	.06240	15.380	7.5038	-.00340	8.8758
#3	.33800	.04880	.06440	15.409	7.4852	-.00440	8.8930

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	8.8923	.13307	.29240	-.01767	2.7323	.07493	29.256

Samples analyzed by SED5 on 08/09/90 stored in file RUN813A .

Data set	Sample id	Correction Factor	Dig QC	Ins QC
	cu for iec	1.00000	IEC	S
	AL FOR IEC	0.00250	IEC	S
	FE FOR IEC	0.00250	IEC	S
	AS FOR IEC	1.00000	IEC	S
	CR FOR IEC	1.00000	IEC	S
	FIRST INSTRUMENT	1.00000		B
	AQC FIRST	1.00000		Q
	AG FIRST	1.00000		Q
	HIGH FIRST	1.00000		Q
	TUB	1.00000		X
CD07268	CS09R02	1.22000		S
SF7277	FJ21S47	1.22000		S
SF7277	FJ21S48	1.22000		S
SF7277	FJ21D48	1.22000		S
	BLANK 2	1.00000		B
	AQC 2 — Allow Li Sr out	1.00000		Q
	AG 2	1.00000		Q
SF7277	FJ21S49	1.22000		X
SF7277	FJ21S51	1.22000		X
SF7277	FJ21S52	1.22000		X
SF7277	FJ21D52	1.22000		X
	BLANK 3	1.00000		B
	AQC 3 — Bad AQC	1.00000		Q
	AG 3	1.00000		Q
	HIGH 3 — Na out	1.00000		Q
	BLANK 4	1.00000		B
	AQC 4	1.00000		Q
	AG 4	1.00000		Q
	HIGH 4	1.00000		Q
SF7277	FJ21S49	1.22000		S
SF7277	FJ21S51	1.22000		S
SF7277	FJ21S52	1.22000		S
SF7277	FJ21D52	1.22000		S
	BLANK 5	1.00000		B
	AQC 5 — Li out	1.00000		Q
	AG 5	1.00000		Q
	HIGH 5	1.00000		Q
SF7277	FJ03R06	1.22000		X
SF7277	FJ03R07	1.22000		X
	DIGESTION 38	1.00000		B
SF7277	FJ21S47	1.22000		X
SF7277	FJ21S47	1.22000		X
SF7277	FJ21S47	1.52000		X
	BLANK 6	1.00000		B
	AQC 6 < Bad AQC	1.00000		Q
	AG 6	1.00000		Q

not printed

Na Al out on high

HIGH 6	1.00000	0

#1	8.9080	.13360	.29360	-.01020	2.7992	.07440	29.306
#2	8.8758	.13160	.29040	-.01720	2.6858	.07520	29.213
#3	8.8930	.13400	.29320	-.02560	2.7118	.07520	29.248

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	21.180	-.00043	.39927	2.8285	19.284	.13360	-.31347
#1	21.597	.00000	.40340	2.8148	19.355	.13400	-.31160
#2	20.909	-.00040	.39830	2.8444	19.241	.13320	-.30940
#3	21.034	-.00090	.39610	2.8262	19.255	.13360	-.31940

Elem	Y	Znlow	Znhigh
Avge	14.598	.11933	.32000
#1	14.626	.11880	.32040
#2	14.574	.12000	.31960
#3	14.596	.11920	.32000

Method: SED5 Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.10097	.12987	.00667	.00447	5.0668	.00053	19.677
#1	-.09930	.13040	.00720	-.00400	5.0824	.00080	19.777
#2	-.10000	.12960	.00880	.02380	5.0504	.00040	19.637
#3	-.10360	.12960	.00400	-.00640	5.0676	.00040	19.618

Elem.	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	2.2599	24.443	15.799	-.01033	-.13687	5.5229	.01860
#1	2.2710	24.515	15.873	-.00740	-.13920	5.5416	.01900
#2	2.2566	24.384	15.785	-.01000	-.13160	5.5078	.01880
#3	2.2520	24.429	15.738	-.01360	-.13980	5.5194	.01800

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01860	.18253	.32120	1.8567	.03667	17.030	.04100
#1	.01900	.18360	.32320	1.8920	.03720	17.137	.04900
#2	.01880	.18320	.32040	1.8466	.03640	17.007	.04320
#3	.01800	.18080	.32000	1.8314	.03640	16.945	.03080

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.30227	1.3926	.00227	-.00620	.04860	.12973	11.714
#1	.30920	1.3968	.00280	-.00400	.05220	.13000	11.781
#2	.30160	1.3949	.00200	-.00420	.04760	.13000	11.676
#3	.29600	1.3862	.00200	-.01040	.04600	.12920	11.684

Elem	Y	Znlow	Znhigh
Avge	.00793	14.671	.51653
#1	.01160	14.754	.51720
#2	.00720	14.652	.51780
#3	.00500	14.605	.51460

Method: SED5 Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01153	.47493	3.5693	-.01520	.09800	11.872	.04580
#1	-.01140	.47300	3.5624	-.01800	.10080	11.835	.04420
#2	-.00990	.47420	3.5508	-.00640	.09800	11.809	.04720
#3	-.01330	.47760	3.5946	-.02120	.09520	11.972	.04600

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.33620	.08680	.01280	.03293	-.00007	.00733	40.435
#1	.33560	.08480	.01020	.03320	-.00160	.00640	40.363
#2	.33760	.08760	.01100	.03320	-.00040	.00800	40.387
#3	.33540	.08800	.01720	.03240	.00180	.00760	40.554

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	40.435	3.9428	.59913	-.01467	.03547	.09353	.00587
#1	40.363	3.9330	.60040	-.00620	.03560	.09220	.00960
#2	40.387	3.9382	.59720	-.00960	.03560	.09440	.01400
#3	40.554	3.9572	.59980	-.02820	.03520	.09400	-.00600

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.28373	.00147	-.00117	.00907	.03813	11.874	.01280
#1	.28560	.00140	-.00190	.01920	.03840	11.854	.00920
#2	.28400	.00160	.00030	.00520	.03800	11.828	.01680
#3	.28160	.00140	-.00190	.00280	.03800	11.942	.01240

Elem	Y	Znlow	Znhigh
Avge	-.00013	.13347	.32113
#1	.00000	.13280	.32180
#2	.00040	.13440	.32160
#3	-.00080	.13320	.32000

Method: SED5 Standard: cazn

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00967	.11707	-.09407	-.03427	.10313	.00647	.02533
#1	-.00780	.11720	-.09040	-.01280	.10300	.00620	.02520
#2	-.00960	.11680	-.08720	-.03520	.10280	.00700	.02560
#3	-.01160	.11720	-.10460	-.05480	.10360	.00620	.02520

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	78.310	214.22	.00150	-.00693	-.00353	.00107	.03460
#1	78.118	214.19	.00260	-.00280	-.00840	.00160	.03180
#2	78.453	214.23	.00100	-.00360	.00100	.00160	.03640
#3	78.358	214.23	.00090	-.01440	-.00320	.00000	.03560

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.03460	.15233	.25427	-.01513	.03960	.07587	.07100
#1	.03180	.15180	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#2	.03640	.15320	.25480	-.00880	.03960	.07560	.07020
#3	.03560	.15200	.25440	-.00940	.03960	.07600	.03760

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.29907	.00000	-.00113	-.00120	.05787	.15333	.00100
#1	.29960	-.00060	-.00080	.00080	.05800	.15320	.00220
#2	.29680	.00080	.00000	.00240	.05760	.15360	.00160
#3	.30080	-.00020	-.00260	-.00680	.05800	.15320	-.00080

Elem	Y	Znlow	Znhigh
Avge	.00000	479.77	8.3893
#1	.00080	479.77	8.3764
#2	.00040	479.77	8.3772
#3	-.00120	479.78	8.4142

Method: SED5 Standard: alfe

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.05260	13.681	124.04	1.0387	.17373	.00323	.26467
#1	-.05260	13.689	124.08	1.0018	.17280	.00340	.26360
#2	-.05260	13.684	124.08	1.0428	.17360	.00320	.26680
#3	-.05260	13.671	123.96	1.0714	.17480	.00310	.26360

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.35760	.55573	-.01180	.00027	.00113	-.02967	.01693
#1	.36240	.63200	-.01220	.00480	-.00260	-.03080	.01720
#2	.35600	.55000	-.00940	-.00080	-.00080	-.02820	.01680
#3	.35440	.48520	-.01380	-.00320	.00680	-.03000	.01680

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01693	144.70	13.830	-.01213	.03533	.20580	-.12873
#1	.01720	144.30	13.776	-.01040	.03480	.20480	-.13060
#2	.01680	144.91	13.836	-.01560	.03560	.20640	-.12140
#3	.01680	144.88	13.879	-.01040	.03560	.20620	-.13420

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.32547	.00047	.01217	-.03753	.03760	.13240	-.02207
#1	.32320	.00020	.01280	-.03400	.03760	.13240	-.02460
#2	.32600	.00140	.01440	-.03960	.03760	.13200	-.02280
#3	.32720	-.00020	.00930	-.03900	.03760	.13280	-.01880

Elem	Y	Znlow	Znhigh
Avge	.00187	.51240	.32433
#1	.00200	.55760	.32240
#2	.00200	.50680	.32520
#3	.00160	.47280	.32540

Standardization Report Thu 08-09-90 01:37:15 PM page 1

Method: SED5

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.000	ten1	blnk	1729.61	9.39752	08/09/90 01:26:19
Alhigh	308.200	alfe	blnk	29.4866	-3.41259	08/09/90 01:35:41
Allow	396.100	ten3	blnk	2809.04	-26.2177	08/09/90 01:30:23
As	193.600	ten1	blnk	1995.66	40.1793	08/09/90 01:26:19
B	249.600	ten2	blnk	2004.01	-153.908	08/09/90 01:28:17
Ba	493.400	ten3	blnk	842.318	-.336927	08/09/90 01:30:23
Be	234.800	ten2	blnk	508.828	-12.4154	08/09/90 01:28:17
Cahigh	315.800	cazn	blnk	5.12817	-1.58700	08/09/90 01:33:21
Calow	393.300	ten2	blnk	1.12599	.000775	08/09/90 01:28:17
Cd	228.800	ten2	blnk	633.006	-.654106	08/09/90 01:28:17
Co	228.600	ten1	blnk	648.500	.691733	08/09/90 01:26:19
Cr	205.500	ten1	blnk	1333.25	1.77767	08/09/90 01:26:19
Cu	324.700	ten2	blnk	1810.87	-1.32797	08/09/90 01:28:17
Mghigh	279.553	ten3	blnk	1.42302	-.016361	08/09/90 01:30:23
Mglow	279.553	ten1	blnk	1.45659	-.019375	08/09/90 01:26:19
Felow	259.900	ten3	blnk	2620.50	-332.105	08/09/90 01:30:23
Fehigh	271.400	alfe	blnk	29.4481	-7.27958	08/09/90 01:35:41
K	766.400	ten2	blnk	53.7095	.279290	08/09/90 01:28:17
Li	670.700	ten1	blnk	3707.37	-129.511	08/09/90 01:26:19
Mn	257.600	ten2	blnk	589.711	-42.5378	08/09/90 01:28:17
Mo	202.000	ten1	blnk	341.946	-3.92098	08/09/90 01:26:19
Na	589.000	ten1	blnk	4.78289	-1.30158	08/09/90 01:26:19
Ni	231.600	ten2	blnk	7182.36	-2.39412	08/09/90 01:28:17
Pb	220.300	ten1	blnk	25073.1	-10.8650	08/09/90 01:26:19
Sn	189.900	ten1	blnk	3541.33	-16.5262	08/09/90 01:26:19
Sr	421.500	ten1	blnk	519.560	-19.0159	08/09/90 01:26:19
Ti	334.900	ten3	blnk	851.484	-110.920	08/09/90 01:30:23
V	292.400	ten2	blnk	853.718	-.455316	08/09/90 01:28:17
Y	371.000	ten1	blnk	684.966	.547973	08/09/90 01:26:19
Znlow	213.800	ten2	blnk	686.964	-78.1307	08/09/90 01:28:17
Znhigh	481.000	cazn	blnk	49.5868	-15.9967	08/09/90 01:33:21

Method: SED5 Sample Name: cu for iec Operator:
Run Time: 08/09/90 13:38:08
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	L-4.5545	L-.03932	L28.638	L-18.892	19.238	L.53347	L-.10177
#1	L-5.4730	L-.02752	L45.119	L-27.673	19.238	L.67385	L.00000
#2	L-4.1021	L-.05111	L26.578	L-6.9183	16.834	L.33693	L-.20353
#3	L-4.0884	L-.03932	L14.217	L-22.085	21.643	L.58962	L-.10177

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.02188	L.00532	L-1.9201	L-.34391	L4.0886	10519.	-.03030
#1	L-.01983	L.00734	L-2.5531	L.69369	L4.4442	10547.	-.03001
#2	L-.02188	L.00577	L-2.2999	L1.9907	L2.8443	10516.	-.03045
#3	L-.02393	L.00285	L-.90731	L-3.7161	L4.9775	10495.	-.03045

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00244	L42.452	L-.05497	L-.40819	L-.49431	L-.47177	L-5.3799
#1	.00273	L58.874	L-.05890	L-.01074	L.98864	L-.55040	L-4.0578
#2	.00229	L41.054	L-.05890	L-1.2031	L-.49431	L-.31451	L-5.8359
#3	.00229	L27.428	L-.04712	L-.01074	L-1.9773	L-.55040	L-6.2462

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.03189	L-6.4641	273.30	L-5.1939	L-.17319	L-1.2488	L.22766
#1	L.03189	L-12.449	249.90	L-.94435	L-.10391	L-1.2488	L1.5936
#2	L.03380	L-.95765	244.88	L-27.858	L-.10391	L-1.2488	L-2.8457
#3	L.02997	L-5.9853	325.11	L13.221	L-.31174	L-1.2488	L1.9351

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.59364	49.370	L-.22149
#1	L-.54797	52.942	L-.20827
#2	L-.27399	49.095	L-.14876
#3	L-.95895	46.072	L-.30744

Method: SED5 Sample Name: AL FOR IEC Operator:
Run Time: 08/09/90 13:41:49
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-.00373	L.97537	871.98	L5.1255	L.11222	L.01263	L.00068
#1	L-.00937	L.97443	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

#2	L.00320	L.97656	871.77	L4.9729	L.10621	L.01306	L.00051
#3	L-.00503	L.97513	872.07	L5.1664	L.11423	L.01327	L.00102

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00009	L.00006	L.00332	L-.01535	L.02022	L.01419	-.00006
#1	L.00007	L.00006	L-.00037	L-.02032	L.01444	L.00755	-.00006
#2	L.00009	L.00006	L.00375	L-.00865	L.03911	L.01479	-.00006
#3	L.00010	L.00006	L.00659	L-.01708	L.00711	L.02022	-.00006

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00002	L.10220	L.00014	L.00035	L.00371	L.09514	L-.00861
#1	.00002	L.09215	L.00009	L-.00317	L.00247	L.09357	L-.02092
#2	.00002	L.10264	L.00009	L.00301	L.00618	L.09593	L-.00467
#3	.00002	L.11181	L.00024	L.00121	L.00247	L.09593	L-.00023

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00063	L-.00180	L-1.7405	L-.06965	L.00009	L.00369	L.00512
#1	L.00063	L-.00958	L-1.6569	L-.12985	L-.00026	L.00284	L-.00028
#2	L.00062	L.00479	L-1.7697	L-.17589	L.00026	L.00454	L.00996
#3	L.00064	L-.00060	L-1.7948	L.09680	L.00026	L.00369	L.00569

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.00080	L.07465	L-.00008
#1	L-.00103	L.07396	L-.00007
#2	L-.00068	L.07602	L-.00012
#3	L-.00068	L.07396	L-.00005

Method: SED5 Sample Name: FE FOR IEC Operator:
Run Time: 08/09/90 13:43:46
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-.20265	L.00126	L.84561	L.11009	L.41683	L.00688	L.30682
#1	L-.20408	L.00132	L.97107	L-.02029	L.41483	L.00674	L.30530
#2	L-.20583	L.00129	L.85311	L.17928	L.41884	L.00674	L.30860
#3	L-.19804	L.00117	L.71265	L.17129	L.41683	L.00716	L.30657

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00014	L.00005	L-.01910	L.01373	L-.01244	L-.13219	-.00006
#1	L.00012	L.00005	L-.02173	L.00173	L-.00356	L-.13008	-.00006
#2	L.00016	L.00005	L-.01651	L.01373	L-.02355	L-.13189	-.00006
#3	L.00013	L.00005	L-.01904	L.02573	L-.01022	L-.13461	-.00006

Elem Mglow Felow Fehigh

Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00002	942.18	L.99333	L-.00013	L.00247	L.10084	L-.11609
#1	.00002	941.67	L.99078	L-.00021	L.00247	L.10005	L-.11786
#2	.00002	943.12	L.99454	L.00030	L.00247	L.10123	L-.11563
#3	.00002	941.74	L.99468	L-.00048	L.00247	L.10123	L-.11478

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00046	L-.00419	L2.4551	L-.33407	L.00095	L-.00142	L-.04852
#1	L.00044	L-.02035	L2.3987	L-.27150	L.00078	L-.00312	L-.04382
#2	L.00049	L.03172	L2.4613	L-.33525	L.00130	L.00028	L-.05151
#3	L.00045	L-.02394	L2.5052	L-.39545	L.00078	L-.00142	L-.05023

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00388	L.15296	L-.00049
#1	L.00274	L.14884	L-.00077
#2	L.00274	L.15571	L-.00027
#3	L.00616	L.15434	L-.00042

Method: SED5 Sample Name: AS FOR IEC Operator:
Run Time: 08/09/90 13:47:34
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-3.3464	L.00000	L41.188	9988.0	120.51	L-.19654	L-.03392
#1	L-7.2125	L-.00393	L43.434	10022.	122.65	L-.42116	L.00000
#2	L-1.5036	L.01966	L36.703	10025.	117.84	L-.16846	L.00000
#3	L-1.3233	L-.01573	L43.427	9916.7	121.04	L.00000	L-.10177

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.01778	L-.00542	69.314	L-1.2090	L1.2444	L.00000	-.03162
#1	L-.01983	L-.00542	68.723	L-5.2725	L-3.0220	L-.60362	-.03177
#2	L-.00342	L-.00542	73.154	L.43349	L.71107	L-.60362	-.03133
#3	L-.03009	L-.00542	66.065	L1.2120	L6.0441	L1.2072	-.03177

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00111	L45.597	L-.00589	L-.63735	L-.49431	L-.07863	L-5.0836
#1	.00097	L51.536	L-.02945	L-.77342	L-1.9773	L-.31451	L-8.1611
#2	.00141	L45.247	L.05890	L-.84861	L.98864	L.39314	L-1.7325
#3	.00097	L40.006	L-.04712	L-.29003	L-.49431	L-.31451	L-5.3572

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.10873	L-.95765	L5.8504	L-13.693	L-.10391	L-.96501	L-.73989
#1	L.10459	L-.95765	L-63.519	L-32.108	L-.10391	L-1.2488	L-1.8213
#2	L.12372	L-92.505	L41.799	[illegible]	[illegible]	[illegible]	[illegible]

#3	L.09789	20.589	L39.281	L-10.860	L-.10391	L-.90825	L1.0814

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.54797	L1.3739	L-.13554
#1	L-1.7809	L1.0075	L-.20827
#2	L-.13699	L2.3815	L-.06942
#3	L.27399	L.73276	L-.12893

Method: SED5 Sample Name: CR FOR IEC Operator:
Run Time: 08/09/90 13:49:29
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-1.9264	L-.05111	L20.410	L1.0644	L2.6720	L.30885	L-.06784
#1	L-1.4068	L-.05111	L25.465	L14.635	L7.2144	L.16846	L.00000
#2	L-2.7960	L-.03932	L17.041	L-9.7122	L-.80162	L.16846	L.00000
#3	L-1.5763	L-.06291	L18.722	L-1.7296	L1.6032	L.58962	L-.20353

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.00444	L-.00132	L.27430	L1.4251	10061.	L-.12072	-.03096
#1	L-.00547	L-.00132	L1.6247	L2.5052	10079.	L.12072	-.03111
#2	L-.00034	L-.00116	L.35870	L4.0622	10032.	L.12072	-.03089
#3	L-.00752	L-.00148	L-1.1605	L-2.2921	10072.	L-.60362	-.03089

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00177	L22.362	L.15313	L-.05729	L.00001	L-.31451	L-3.3739
#1	.00163	L21.139	L.14135	L.19335	L-.49431	L-.31451	L-1.1854
#2	.00185	L25.331	L.16491	L-.60155	L-.49431	L-.55040	L-5.6991
#3	.00185	L20.615	L.15313	L.23632	L.98864	L-.07863	L-3.2371

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.05038	L-6.7035	L-39.281	L-15.582	L-.20782	L1.0218	L-28.457
#1	L.05676	L-3.8306	L-55.997	L-33.525	L-.20782	L1.4759	L-28.287
#2	L.05293	L-6.7035	L-66.026	L7.5548	L-.10391	L1.1353	L-30.165
#3	L.04145	L-9.5765	L4.1789	L-20.776	L-.31174	L.45412	L-26.921

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00000	L5.4957	L-.24463
#1	L.00000	L4.5798	L-.24793
#2	L.00000	L6.2285	L-.25785
#3	L.00000	L5.6789	L-.22810

Method: SED5 Sample Name: FIRST INSTRUMENT

Run Time: 08/09/90 13:58:47
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-.83032	L-.08256	L10.088	L-2.8874	L-3.6819	L-.28077	L-.29585
#1	L.21192	L-.07470	L17.574	L-9.7149	L-3.9565	L-.33693	L-.36911
#2	L-2.0500	L-.11008	L2.4053	L-22.300	L-7.1408	L-.50539	L-.35285
#3	L-.65287	L-.06291	L10.286	L23.353	L.05155	L.00000	L-.16558

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.03761	L-.00106	L-1.7973	L.43679	L-.71283	L.34349	-.02810
#1	L-.04547	L-.00101	L-2.1083	L1.3443	L-2.4903	L2.2774	-.02825
#2	L-.04547	L-.00101	L-2.5918	L-.47040	L1.2422	L-1.3513	-.02825
#3	L-.02188	L-.00116	L-.69173	L.43643	L-.89037	L.10438	-.02781

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00464	L-1.9217	L-.14135	L-.29003	L-.98862	L-.81134	L-1.9769
#1	.00449	L5.4157	L-.12368	L-.39745	L-1.9773	L-.53792	L-4.2089
#2	.00449	L-6.1145	L-.17669	L-.27929	L-1.9773	L-1.0043	L-5.8564
#3	.00493	L-5.0663	L-.12368	L-.19335	L.98864	L-.89175	L4.1346

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.03316	L-5.5065	L.19394	L-6.1913	L-.51956	L-2.8383	L2.3246
#1	L-.03125	L-.95765	L-25.798	L19.549	L-.51956	L-2.6112	L2.6050
#2	L-.03890	L-19.632	L-5.5713	L-5.9689	L-.51956	L-3.2924	L1.7593
#3	L-.02933	L4.0700	L31.951	L-32.154	L-.51956	L-2.6112	L2.6095

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.22832	L-2.0410	L-.40331
#1	L.00000	L-1.3205	L-.44628
#2	L-.54797	L-2.5310	L-.56529
#3	L-.13699	L-2.2715	L-.19835

Method: SED5 Sample Name: AQC FIRST Operator:
Run Time: 08/09/90 14:00:51
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	Q-70.850	5.5725	5092.9	4960.3	5020.9	4908.2	5043.1
#1	Q-73.213	5.5607	5099.6	4935.1	5041.8	4922.0	5046.6
#2	Q-69.794	5.5607	5083.9	4969.4	5005.7	4883.3	5031.2
#3	Q-69.542	5.5960	5095.1	4976.4	5015.3	4919.5	5051.5

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.0796	5.0360	4911.4	4924.9	4828.8	5014.2	4.9013
#1	5.0735	5.0497	4916.4	4924.4	4812.8	5028.3	4.9025
#2	5.0714	5.0128	4900.8	4920.3	4804.8	4988.1	4.8955
#3	5.0940	5.0454	4916.9	4929.9	4869.0	5026.2	4.9058

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	4.9492	4983.7	6.5493	-.60513	4988.6	4954.2	4824.4
#1	4.9504	4988.0	6.4904	-.54784	5008.2	4954.4	4847.4
#2	4.9434	4971.8	6.5728	-1.0957	4948.1	4959.0	4813.1
#3	4.9538	4991.2	6.5846	-.17187	5009.6	4949.2	4812.7

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.07015	4942.9	4794.3	4793.3	5095.0	4919.8	4835.9
#1	.07015	4953.4	4794.9	4799.4	5108.2	4928.0	4838.9
#2	.07398	4923.3	4813.3	4798.0	5069.3	4906.0	4822.5
#3	.06632	4952.0	4774.7	4782.4	5107.5	4925.3	4846.1

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5037.3	4897.8	4.6942
#1	5046.8	4909.8	4.7008
#2	5023.8	4884.7	4.7107
#3	5041.2	4898.9	4.6711

Method: SED5 Sample Name: AG FIRST Operator:
Run Time: 08/09/90 14:02:48
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	47.217	.54253	Q641.39	Q-14.876	Q33.312	Q6.7947	Q6.3432
#1	45.037	.54450	Q649.07	Q-1.7128	Q38.529	Q9.4340	Q8.9933
#2	49.175	.53860	Q645.70	Q1.5104	Q35.723	Q7.0755	Q6.5509
#3	47.440	.54450	Q629.41	Q-44.425	Q25.686	Q3.8747	Q3.4853

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	-.00957	Q.02011	Q6.7687	Q7.1264	Q7.9981	Q7.7119	-.02077
#1	-.00957	Q.02279	Q10.496	Q7.8144	Q8.1757	Q9.8831	-.01682
#2	-.01162	Q.02042	Q6.2961	Q8.7249	Q8.1757	Q8.0722	-.02275
#3	-.00752	Q.01711	Q3.5136	Q4.8398	Q7.6429	Q5.1803	-.02275

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01199	Q10.482	-.10994	-.37239	Q6.1789	Q5.9475	Q4.9568

#1	.01596	Q12.753	-.12368	-.55858	Q7.6619	Q8.6616	Q8.2379
#2	.01001	Q8.5603	-.12368	-.42968	Q8.4034	Q6.0668	Q4.1346
#3	.01001	Q10.133	-.08246	-.12890	Q2.4716	Q3.1141	Q2.4980

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.00096	Q4.3094	Q6.0180	Q2.8341	Q6.7543	Q4.5413	Q6.7333
#1	.00223	Q11.971	Q-17.406	Q10.385	Q9.4560	Q6.9254	Q11.002
#2	.00128	Q-5.2671	Q5.1993	Q33.049	Q6.9621	Q5.2224	Q6.7332
#3	-.00064	Q6.2247	Q30.261	Q-34.931	Q3.8447	Q1.4759	Q2.4651

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q6.3474	Q13.031	-.27107
#1	Q8.7676	Q15.129	-.17851
#2	Q6.9867	Q13.627	-.34711
#3	Q3.2878	Q10.337	-.28760

Method: SED5 Sample Name: HIGH FIRST Operator:
Run Time: 08/09/90 14:05:40
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	Q-2.2567	98.366	Q99778.	Q10.069	Q7.8706	Q.87040	Q.36400
#1	Q-2.7878	98.461	Q100090.	Q4.8001	Q9.2328	Q.75809	Q.31543
#2	Q-1.8629	98.641	Q100020.	Q36.573	Q8.3035	Q.92655	Q.62853
#3	Q-2.1195	97.996	Q99227.	Q-11.166	Q6.0755	Q.92655	Q.14804

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	99.227	Q76.175	Q-.46658	Q.51363	Q4.2066	Q-1.5375	99.174
#1	99.060	Q76.163	Q-1.5285	Q.42681	Q2.9614	Q-.33852	99.031
#2	99.562	Q76.214	Q1.5488	Q2.2431	Q13.631	Q-1.7467	99.502
#3	99.059	Q76.150	Q-1.4201	Q-1.1291	Q-3.9729	Q-2.5271	98.989

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	100.97	Q93322.	95.222	97.347	Q7.6619	Q16.109	Q4.7853
#1	100.82	Q93375.	95.159	97.934	Q6.9204	Q16.037	Q3.4330
#2	101.32	Q93479.	95.465	97.998	Q9.1448	Q16.242	Q13.180
#3	100.78	Q93113.	95.041	96.108	Q6.9204	Q16.049	Q-2.2570

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	102.16	Q6.4641	Q-25.757	Q1.1238	Q3.0134	Q3.2924	Q2.6401
#1	102.97	Q.47882	Q17.154	Q-4.0846	Q3.0134	Q3.5195	Q2.8043
#2	102.61	Q12.689	Q-33.392	Q20.820	Q3.0134	Q3.1789	Q2.1665
#3	100.92	Q6.2247	Q-61.032	Q-13.364	Q3.0134	Q3.1789	Q2.9496

Elem	Y	Znlow	Znhigh

Units	ug/L	ug/L	Mg/L
Avge	Q9817.6	Q93704.	96.866
#1	Q9816.8	Q93709.	96.704
#2	Q9842.4	Q94037.	97.259
#3	Q9793.5	Q93365.	96.635

Method: SED5 Sample Name: TUB Operator:
Run Time: 08/09/90 14:07:58
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-.93685	L-.04325	L13.485	L-3.6275	L-9.8521	L-.08423	L-.04255
#1	L-2.7050	L-.02752	L33.362	L-59.066	L-12.835	L-.16846	L-.00723
#2	L-2.2178	L-.03932	L8.6069	L29.620	L-7.9547	L.00000	L-.15835
#3	L2.1122	L-.06291	L-1.5148	L18.563	L-8.7661	L-.08423	L.03795

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00205	L.01564	L.57217	L1.7736	L-.71209	L-.25235	-.00208
#1	L.04376	L.04721	L-.81395	L2.2490	L1.2447	L-.96268	.02893
#2	L-.01162	L.00435	L1.2900	L-.08558	L4.4423	L.10126	-.01242
#3	L-.02598	L-.00463	L1.2405	L3.1575	L-7.8233	L.10438	-.02275

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.03073	L25.331	L-.08245	L-.49413	L.98864	L-.38483	L-3.9306
#1	.06183	L54.681	L.02356	L-1.0205	L2.4716	L-.31689	L-4.8757
#2	.02037	L14.850	L-.14724	L-.62303	L-.49431	L-.29966	L-8.0414
#3	.01001	L6.4639	L-.12368	L.16113	L.98864	L-.53792	L1.1255

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01084	L-6.2247	L-1.5375	L.91380	L-.06927	L-.68119	L.90461
#1	L.03380	L-.95765	L-5.9298	L.47813	L.00000	L-.56765	L.06160
#2	L.00128	L-6.7035	L6.9765	L-27.910	L-.10391	L-.56765	L1.0869
#3	L-.00255	L-11.013	L-5.6591	L30.174	L-.10391	L-.90825	L1.5653

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L3.3792	L26.943	L-.02314
#1	6.3017	56.790	L.02975
#2	L2.4659	L16.692	L.00992
#3	L1.3699	L7.3460	L-.10909

Method: SED5 Sample Name: CS09R02 Operator:
Run Time: 08/09/90 14:12:51
Comment: CD07268
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-.39578	L-.12471	L9.4347	L-14.431	L2.0508	L1.0619	L-.34403
#1	L.00743	L-.11991	L9.1971	L-6.3317	L.12579	L.92487	L-.40402
#2	L-2.5042	L-.14869	L10.574	L-22.748	L3.0297	L1.2332	L-.42607
#3	L1.3094	L-.10552	L8.5326	L-14.213	L2.9968	L1.0276	L-.20201

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.10511	L.17453	L.43033	L.26872	L2.7081	L2.0319	-.01533
#1	L.09093	L.17475	L-1.5322	L-2.6303	L.21312	L.10739	-.01515
#2	L.10094	L.17360	L1.0543	L1.4819	L4.4431	L2.3262	-.01569
#3	L.12346	L.17523	L1.7689	L1.9546	L3.4681	L3.6622	-.01515

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.02467	L1.9182	L-.22754	L.26647	L-2.4122	L-1.4159	L-1.4448
#1	.02485	L.21313	L-.30178	L.14416	L-2.4122	L-2.0799	L.18746
#2	.02431	L1.4920	L-.22993	L.76010	L-2.4122	L-1.2239	L-.30481
#3	.02485	L4.0496	L-.15089	L-.10484	L-2.4122	L-.94405	L-4.2171

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.44624	L-4.6733	L-9.9104	L-32.344	L.29580	L-3.1857	L1.1771
#1	L.45325	L-8.1783	L23.981	L-2.9894	L.12677	L-4.4323	L.05540
#2	L.41939	L2.3367	L-19.131	L-72.094	L.25355	L-3.1857	L1.9457
#3	L.46609	L-8.1783	L-34.581	L-21.948	L.50709	L-1.9391	L1.5301

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.05571	L13.937	L-.67352
#1	L.16713	L12.002	L-.85904
#2	L.00000	L15.333	L-.61706
#3	L-.33426	L14.476	L-.54446

Method: SED5 Sample Name: FJ21S47 Operator:
Run Time: 08/09/90 14:14:55
Comment: SF7277
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-1.7032	L.02398	L-43.301	L16.080	2075.0	14.695	L-.45109
#1	L1.4019	L.02398	L-30.094	64.937	2068.3	14.387	L-.44962
#2	L-4.9462	L.02398	L-66.622	L11.371	2077.6	15.003	L-.33208
#3	L-1.5652	L.02398	L-33.188	L-28.068	2079.0	14.695	L-.57157

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	[illegible]

#1	329.64	?.00000	L3.3903	L.83978	L-1.4066	6.3665	21.618
#2	328.25	?.00000	L4.3798	L-1.5337	L7.0518	L4.6019	21.514
#3	328.02	?.00000	L2.0269	L-2.4825	L6.7262	6.3655	21.460

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	21.662	L37.512	L.25628	6.6530	16.886	564.40	L-2.1117
#1	21.750	L39.856	L.25149	5.9366	17.489	566.80	L2.5044
#2	21.645	L38.577	L.27304	6.5657	15.680	563.64	L-2.5826
#3	21.591	L34.101	L.24430	7.4568	17.489	562.77	L-6.2571

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	24.606	L-3.5050	L5.3725	L.66334	1734.5	L2.4931	L.78796
#1	24.714	L.58417	L47.173	L-4.5228	1741.9	L2.6317	L4.6604
#2	24.569	L-13.436	L-29.304	L-37.351	1734.0	L2.6317	L-3.0219
#3	24.536	L2.3367	L-1.7517	43.864	1727.5	L2.2161	L.72535

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.3371	292.82	L.13309
#1	L1.3371	294.49	L.20569
#2	L1.5042	292.82	L.03630
#3	L1.1699	291.14	L.15729

Method: SED5 Sample Name: FJ21S48 Operator:
Run Time: 08/09/90 14:18:05
Comment: SF7277
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-4.9533	L.00719	L-61.018	L-35.061	479.88	40.146	L-.25721
#1	L-5.8292	L-.00480	L-35.102	L-52.677	487.44	40.694	L-.33800
#2	L-3.1923	L.03837	L-56.679	L-7.1721	475.53	39.666	L-.21977
#3	L-5.8383	L-.01199	L-91.274	L-45.336	476.68	40.077	L-.21385

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	290.01	?.00000	L.79202	11.127	L4.5520	L-.49299	23.574
#1	288.74	?.00000	L-.42718	13.026	L-.32944	L-1.3954	23.533
#2	292.50	?.00000	L1.8912	12.866	L7.1580	L3.0792	23.664
#3	288.79	?.00000	L.91202	7.4889	L6.8275	L-3.1628	23.524

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	23.717	8436.3	L8.5266	5.9410	18.092	2937.1	L-8.4661
#1	23.676	8425.0	L8.3853	L4.3378	17.489	2935.6	L-9.6506
#2	23.809	8465.3	L8.8092	7.7058	19.298	2947.5	L-9.2676
#3	23.668	8418.6	L8.3853	5.7794	17.489	2928.2	L-6.4801

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	26.760	21.906	L-86.165	L-25.954	1484.2	L1.3851	L.07948
#1	26.749	19.862	L-42.989	L-1.8075	1487.7	L.96956	L-.98280
#2	26.478	30.377	L-53.254	L-53.508	1475.3	L2.6317	5.3083
#3	27.052	15.480	L-162.25	L-22.546	1489.7	L.55403	L-4.0870

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L2.3398	213.14	L-.02420
#1	L2.0056	211.82	L.08469
#2	L2.6741	215.09	L.04840
#3	L2.3398	212.50	L-.20569

Method: SED5 Sample Name: FJ21D48 Operator:
Run Time: 08/09/90 14:20:09
Comment: SF7277
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-.96292	L-.05276	L-69.169	L-9.0572	509.25	48.573	L-.23806
#1	L-1.2518	L-.04796	L-72.774	L-5.1825	500.30	48.504	L-.22777
#2	L-1.6835	L-.07674	L-74.802	L-49.830	510.59	48.710	L-.21675
#3	L.04653	L-.03358	L-59.930	L27.841	516.87	48.504	L-.26966

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	305.43	?.00000	L-1.0189	12.447	L-.87568	L1.6545	24.548
#1	304.79	?.00000	L-.91770	15.085	L-2.6111	L2.5338	24.481
#2	304.84	?.00000	L.24058	11.604	L.96690	L1.2035	24.515
#3	306.65	?.00000	L-2.3796	10.653	L-.98283	L1.2263	24.647

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	24.698	7985.3	L8.0596	8.3305	17.489	3036.8	L1.7700
#1	24.630	7960.1	L8.0260	8.7542	17.489	3026.1	L1.4880
#2	24.665	7974.2	L7.9901	7.4437	17.489	3030.8	L2.8188
#3	24.798	8021.5	L8.1626	8.7935	17.489	3053.4	L1.0032

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	28.321	L9.0546	L-52.553	L-39.075	1621.3	L.41553	L2.1245
#1	28.354	L4.9654	L-51.466	L-24.397	1617.4	L.13851	L1.9096
#2	28.363	L12.852	L-60.569	L-45.149	1624.3	L.13851	L1.0848
#3	28.245	L9.3466	L-45.623	L-47.680	1622.3	L.96956	L3.3790

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L2.4513	200.13	L-.16536
#1	L2.3398	198.79	L-.18149

#2	L2.3398	200.47	L-.18149
#3	L2.6741	201.12	L-.13309

Method: SED5 Sample Name: BLANK 2 Operator:
Run Time: 08/09/90 14:22:15
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-2.6139	L-.05308	L-6.1696	L-7.5683	L.56959	L-.25270	L-.17763
#1	L-.30197	L-.06291	L-2.0352	L4.9867	L.83106	L-.16846	L-.18185
#2	L-3.7726	L-.07470	L2.4363	L-12.509	L.85315	L-.42116	L-.16558
#3	L-3.7672	L-.02162	L-18.910	L-15.183	L.02455	L-.16846	L-.18546

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.01607	L.04803	L-.47666	L-.29934	L.35448	L-1.0977	-.02349
#1	L.03863	L.05967	L.82919	L-1.3796	L5.5099	L.11138	-.02275
#2	L.00274	L.05013	L.69625	L-2.0279	L-5.6901	L-.61997	-.02341
#3	L.00684	L.03429	L-2.9554	L2.5095	L1.2436	L-2.7845	-.02429

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00927	L-2.6205	L-.08442	L-1.0634	L-1.4829	L-.38463	L-5.8913
#1	.01001	L-1.9217	L-.07068	L-.92380	L-1.9773	L-.30738	L-7.8958
#2	.00934	L-5.0663	L-.12368	L-.51561	L-1.9773	L-.53792	L-3.5250
#3	.00846	L-.87352	L-.05890	L-1.7509	L-.49431	L-.30857	L-6.2530

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.02583	L-3.8306	L31.068	L-26.946	L-.10391	L-2.1003	L-.51532
#1	L-.02933	L3.3518	L34.328	L-23.637	L-.10391	L-2.4409	L.58139
#2	L-.01690	L-9.5765	L19.413	L-34.988	L-.10391	L-2.6112	L.37621
#3	L-.03125	L-5.2671	L39.464	L-22.213	L-.10391	L-1.2488	L-2.5036

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.09133	L-.62284	L-.28760
#1	L.27399	L-.35612	L-.22810
#2	L-.54797	L-.89398	L-.48595
#3	L.54797	L-.61841	L-.14876

Method: SED5 Sample Name: AQC 2 Operator:
Run Time: 08/09/90 14:27:31
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	Q-69.741	5.7767	Q5288.6	5140.1	5199.2	5096.4	[illegible]

#1	Q-73.143	5.7492	5249.6	5088.1	5154.3	5078.8	5160.9
#2	Q-68.096	5.8199	Q5301.4	5151.2	5228.8	5094.3	5211.2
#3	Q-67.983	5.7610	Q5314.9	5181.1	5214.4	5085.9	5209.4

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2085	5.2242	5038.7	5063.0	4938.3	5213.9	5.0312
#1	5.1330	5.2135	4988.6	5010.9	4895.7	5197.1	4.9994
#2	5.2519	5.2344	5076.4	5080.6	4962.4	5229.4	5.0503
#3	5.2406	5.2248	5051.0	5097.6	4956.8	5215.2	5.0440

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0796	5129.5	6.7534	.61587	Q5323.5	5083.6	4975.2
#1	5.0477	5096.0	6.6435	-.34374	Q5266.9	5049.3	4945.2
#2	5.0987	5132.2	6.8673	1.2246	Q5341.1	5098.1	4997.8
#3	5.0924	5160.5	6.7495	.96677	Q5362.6	5103.5	4982.4

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.03539	5069.8	4923.3	4944.0	Q5268.8	5075.4	4983.2
#1	.01658	5018.1	4810.3	4871.0	Q5257.6	5053.8	4953.9
#2	.04337	5097.1	4979.5	4990.8	Q5280.6	5090.6	5003.5
#3	.04624	5094.2	4980.1	4970.2	Q5268.2	5081.6	4992.3

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5193.0	5042.7	4.7967
#1	5181.6	5001.9	4.7107
#2	5203.3	5067.7	4.8893
#3	5194.1	5058.6	4.7901

Method: SED5 Sample Name: AG 2 Operator:
Run Time: 08/09/90 14:29:36
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	52.575	2.3801	Q2477.6	Q14.818	Q33.835	Q3.4254	Q3.0104
#1	54.035	2.3958	Q2492.9	Q26.303	Q38.878	Q4.2116	Q3.2565
#2	52.448	2.3781	Q2479.5	Q20.420	Q32.116	Q3.2008	Q2.8874
#3	51.243	2.3663	Q2460.4	Q-2.2698	Q30.512	Q2.8639	Q2.8874

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.01368	Q.04740	Q1.7736	Q4.1054	Q4.8876	Q5.1803	-.02165
#1	.01709	Q.04800	Q.68279	Q10.935	Q2.3110	Q5.1912	-.01945
#2	.00889	Q.04714	Q2.2404	Q-1.9035	Q7.9091	Q5.8992	-.02275
#3	.01504	Q.04706	Q2.3877	Q3.2950	Q4.4426	Q4.4505	-.02275

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01111	Q17.295	-.08245	-.12174	Q3.4602	Q2.7996	Q1.7457
#1	.01331	Q17.994	.00000	-.10742	Q3.9545	Q3.2238	Q1.4134
#2	.01001	Q19.042	-.12368	-.46190	Q3.9545	Q2.5286	Q1.0571
#3	.01001	Q14.850	-.12368	.20410	Q2.4716	Q2.6465	Q2.7668

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.02806	Q4.3094	Q-11.676	Q-18.277	Q3.2905	Q1.1353	Q3.9370
#1	.02615	Q10.534	Q5.6996	Q-27.692	Q3.6369	Q2.1571	Q4.3321
#2	.02997	Q2.6335	Q-31.657	Q-10.736	Q3.2213	Q.79472	Q2.8053
#3	.02806	Q-.23941	Q-9.0717	Q-16.403	Q3.0134	Q.45412	Q4.6736

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q3.1508	Q10.246	-.39669
#1	Q4.2468	Q11.424	-.28760
#2	Q2.7399	Q9.7905	-.43636
#3	Q2.4659	Q9.5228	-.46612

Method: SED5 Sample Name: FJ21S49 Operator:
Run Time: 08/09/90 14:33:47
Comment: SF7277
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-1.9314	L.20385	215.64	L-16.057	645.28	26.513	L.62226
#1	L-.22401	L.20385	211.97	L-36.482	634.14	26.307	L.61298
#2	L-1.2678	L.20385	234.93	L-2.3999	651.24	26.102	L.60195
#3	L-4.3023	L.20385	200.01	L-9.2883	650.48	27.129	L.65184

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	184.64	?.00000	L1.4428	102.49	L-.23498	L2.5974	27.883
#1	183.56	?.00000	L1.5026	101.80	L-.45483	L4.1858	27.726
#2	184.08	?.00000	L5.0512	102.59	L.84687	L1.5395	27.798
#3	186.28	?.00000	L-2.2253	103.06	L-1.0970	L2.0668	28.126

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	28.056	H51212.	50.846	5.0280	27.138	4158.3	L-1.2727
#1	27.897	H50975.	50.606	5.6352	28.344	4139.4	L3.2606
#2	27.971	H50942.	50.642	L4.9931	28.344	4140.5	L-11.253
#3	28.300	H51718.	51.289	L4.4557	24.726	4195.0	L4.1742

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	29.828	90.546	L-40.937	L-47.806	932.33	L-1.6621	L1.4248

#1	29.857	77.694	L-39.373	L-26.572	929.75	L-2.3546	L.64880
#2	29.761	98.724	L-27.153	L-63.716	927.98	L-1.5236	L1.9041
#3	29.864	95.219	L-56.286	L-53.131	939.26	L-1.1081	L1.7216

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	24.401	438.19	L-.20972
#1	23.733	438.33	L-.18149
#2	24.735	435.65	L-.15729
#3	24.735	440.58	L-.29038

Method: SED5 Sample Name: FJ21S51 Operator:
Run Time: 08/09/90 14:36:05
Comment: SF7277
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-.83058	L7.0715	7169.8	L-81.508	131.72	29.801	2.9388
#1	L-1.8907	L7.0428	7189.7	L-117.72	132.70	29.185	2.8553
#2	L.87265	L7.1003	7160.7	L-46.439	135.61	30.418	3.0882
#3	L-1.4737	L7.0715	7158.9	L-80.366	126.85	29.801	2.8729

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	125.54	H94.645	L1.5819	88.402	L7.3912	6.3447	82.477
#1	125.27	H94.658	L.82900	89.141	8.8009	L5.0195	82.275
#2	126.05	H94.627	L2.1121	92.462	8.1509	8.1191	82.691
#3	125.30	H94.648	L1.8046	83.603	L5.2217	L5.8956	82.466

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	83.403	9746.8	L10.115	L4.5999	82.017	9712.7	L-2.5247
#1	83.196	9725.5	L10.117	L4.0495	82.620	9688.0	L-2.1073
#2	83.622	9773.5	L10.167	5.0848	82.620	9739.3	L-1.0168
#3	83.391	9741.5	L10.059	L4.6654	80.811	9710.8	L-4.4501

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	46.106	123.84	L-145.25	L-6.2095	659.26	L-1.2466	L1.4145
#1	46.446	125.01	L-175.86	L-13.699	659.60	L-1.5236	L-.45619
#2	46.219	118.00	L-105.61	L-7.6300	658.84	L-.69254	L2.8773
#3	45.653	128.52	L-154.28	L2.7010	659.34	L-1.5236	L1.8222

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	52.145	226.61	L-.34684
#1	52.646	223.26	L-.43557
#2	52.814	229.61	L-.27828
#3	50.975	226.95	L-.32668

Method: SED5 Sample Name: FJ21S52 Operator:
Run Time: 08/09/90 14:38:34
Comment: SF7277
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-.26344	L7.2560	7351.6	L-71.418	127.15	29.390	3.0172
#1	L-.41913	L7.1866	7330.7	L-80.954	123.93	29.596	2.8774
#2	L.44255	L7.2584	7350.0	L-67.214	131.70	29.390	3.0904
#3	L-.81373	L7.3231	7374.1	L-66.087	125.82	29.185	3.0838

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	126.28	H94.766	L-.28972	90.932	L3.5960	L5.1683	84.130
#1	126.13	H94.499	L-.43116	90.404	L-3.5619	7.6611	83.845
#2	126.31	H94.769	L-2.4549	91.988	L5.5483	L5.4670	84.268
#3	126.41	H95.029	L2.0169	90.405	8.8017	L2.3769	84.277

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	85.094	9811.8	L10.129	L3.3899	80.811	9900.3	L-2.1615
#1	84.802	9770.9	L10.045	L3.6170	82.620	9858.3	L-.94754
#2	85.235	9829.7	L10.160	L3.8267	79.001	9917.3	L-.43359
#3	85.244	9834.9	L10.182	L2.7259	80.811	9925.2	L-5.1034

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	45.258	130.85	L-175.52	L-57.173	663.78	L-.41552	L1.8210
#1	45.072	130.27	L-135.74	L-62.966	660.10	L.13851	L2.4215
#2	45.397	130.27	L-224.55	L-61.195	663.78	L-.69254	L.57819
#3	45.304	132.02	L-166.28	L-47.358	667.46	L-.69254	L2.4633

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	52.424	216.83	L-.40331
#1	52.145	217.73	L-.31458
#2	52.479	216.88	L-.32668
#3	52.646	215.89	L-.56866

Method: SED5 Sample Name: FJ21D52 Operator:
Run Time: 08/09/90 14:40:42
Comment: SF7277
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-1.8841	L7.3495	7499.1	L-72.060	128.45	29.767	3.0142

#1	L-2.9380	L7.3663	7520.9	L-84.809	126.81	29.904	2.8421
#2	L-3.5831	L7.3663	7506.4	L-102.81	125.88	29.801	3.1213
#3	L.86874	L7.3159	7470.0	L-28.557	132.66	29.596	3.0794

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	127.89	H95.890	L.71887	89.614	L4.4636	L2.9603	85.205
#1	127.60	H96.302	L1.8373	92.147	L2.9458	L2.3741	85.160
#2	127.56	H95.589	L-1.5922	84.394	11.403	L3.6863	85.095
#3	128.52	H95.780	L1.9115	92.302	L-.95754	L2.8207	85.360

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	86.194	9782.6	L10.139	L4.1281	83.524	10031.	L-2.4107
#1	86.148	9815.0	L10.160	L4.2067	83.524	10047.	L-2.4360
#2	86.082	9758.8	L10.059	L4.2723	84.429	10031.	L-4.1164
#3	86.352	9774.1	L10.196	L3.9053	82.620	10015.	L-.67972

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	46.783	126.18	L-180.42	L-23.176	674.94	L-.62329	L.15744
#1	46.784	137.28	L-129.45	L-31.808	677.35	L-1.1081	L-.88737
#2	46.947	112.74	L-211.83	L-18.016	674.43	L-1.3158	L2.0481
#3	46.617	128.52	L-199.99	L-19.703	673.04	L.55403	L-.68842

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	53.036	227.23	L-.44767
#1	53.482	226.62	L-.59286
#2	52.145	225.62	L-.42347
#3	53.482	229.46	L-.32668

Method: SED5 Sample Name: BLANK 3 Operator:
Run Time: 08/09/90 14:45:05
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-2.3508	L-.11205	L5.7777	L39.713	L-2.5836	L-.05615	L-.27416
#1	L-1.0108	L-.07470	L.17190	58.142	L-2.3361	L.16846	L-.15293
#2	L-.68108	L-.12778	L11.951	L11.320	L-4.7262	L-.33693	L-.34562
#3	L-5.3605	L-.13367	L5.2097	L49.675	L-.68869	L.00000	L-.32394

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.04308	L.01002	L-1.5031	L.56872	L-.35817	L-.02803	-.02312
#1	L-.02393	L.01018	L-.74376	L.56720	L3.3755	L.82327	-.02297
#2	L-.05265	L.00908	L-.73640	L.18024	L-3.0245	L-.63009	-.02341
#3	L-.05265	L.01081	L-3.0292	L.95871	L-1.4255	L-.27726	-.02297

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00964	L-9.0844	L-.21203	L-.51919	L-3.9545	L-.88284	L-3.3985
#1	.00979	L-6.1145	L-.16491	L.05371	L-1.9773	L-.65171	L.71034
#2	.00934	L-10.831	L-.20025	L-.74119	L-3.4602	L-1.0020	L-10.646
#3	.00979	L-10.307	L-.27092	L-.87009	L-6.4261	L-.99484	L-.25942

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.05389	L-5.2671	L3.6694	L-4.0921	L-.51956	L-4.2574	L.04561
#1	L-.03986	L-6.7035	L-.58342	L5.3697	L-.31174	L-3.2924	L1.4245
#2	L-.05803	L7.6612	L19.509	L-12.352	L-.51956	L-4.6548	L-1.4981
#3	L-.06377	L-16.759	L-7.9177	L-5.2938	L-.72738	L-4.8251	L.21046

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.13699	L-2.5321	L-.66446
#1	L.54797	L-1.4444	L-.58513
#2	L-.41098	L-3.0805	L-.70413
#3	L-.54797	L-3.0714	L-.70413

Method: SED5 Sample Name: AQC 3 Operator:
Run Time: 08/09/90 15:22:01
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	Q-71.182	5.8553	Q5419.6	5181.9	Q5254.7	5201.1	5196.6
#1	Q-70.368	5.7139	Q5352.9	5131.9	5206.9	5139.5	5128.3
#2	Q-70.981	5.9024	Q5461.4	5212.3	Q5271.9	5234.8	5217.7
#3	Q-72.197	5.9495	Q5444.6	5201.7	Q5285.4	5228.9	5243.8

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.0632	Q5.3031	4960.3	5007.3	4901.9	Q5356.7	4.9650
#1	4.9750	5.2388	4893.3	4940.7	4834.4	Q5294.2	4.8926
#2	5.0683	Q5.3338	4967.3	5022.0	4927.4	Q5395.6	4.9798
#3	5.1463	Q5.3366	5020.3	5059.2	4944.0	Q5380.4	5.0226

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0131	5096.9	6.5179	-.05013	Q5648.8	5035.3	4951.3
#1	4.9405	5041.5	6.4668	.03223	Q5578.3	4972.8	4870.0
#2	5.0280	5103.9	6.4315	-.98826	Q5743.7	5045.7	4973.8
#3	5.0709	5145.3	6.6553	.80564	Q5624.3	5087.4	5010.2

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.01658	5050.2	4924.3	4781.5	Q5365.8	5097.0	4976.6
#1	.00893	4969.2	4928.4	Q4638.6	Q5300.9	5031.2	4912.1

#2	.01467	5055.4	4863.3	4853.9	Q5399.9	5121.6	4988.8
#3	.02615	5125.8	4981.1	4851.9	Q5396.7	5138.3	5028.8

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5227.8	5027.5	4.3934
#1	5166.0	4963.2	4.2744
#2	Q5250.3	5041.1	4.4331
#3	Q5267.1	5078.1	4.4727

Method: SED5 Sample Name: AG 3 Operator:
Run Time: 08/09/90 15:24:12
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	52.780	1.1322	Q1275.3	Q-3.9158	Q34.829	Q1.8531	Q1.3577
#1	Q57.648	1.1518	Q1265.9	Q3.1601	Q44.954	Q3.0323	Q1.8788
#2	49.483	1.1165	Q1283.9	Q-7.0256	Q32.167	Q1.5162	Q1.0936
#3	51.210	1.1283	Q1276.0	Q-7.8817	Q27.367	Q1.0108	Q1.1008

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	-.03111	Q.02599	Q1.3944	Q3.2463	Q3.5526	Q3.9543	-.02356
#1	-.01162	Q.02610	Q1.8531	Q8.0855	Q1.2425	Q6.6196	-.02297
#2	-.04547	Q.02610	Q1.0990	Q1.2157	Q8.1742	Q2.9854	-.02385
#3	-.03624	Q.02578	Q1.2311	Q.43777	Q1.2410	Q2.2580	-.02385

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00920	Q5.4157	-.22381	.14323	Q-2.4716	Q.69091	Q.90867
#1	.00979	Q9.6085	-.15313	1.0849	Q-.49431	Q1.8239	Q8.4397
#2	.00890	Q2.2711	-.24736	-.74119	Q-3.4602	Q.06426	Q-2.7187
#3	.00890	Q4.3675	-.27092	.08594	Q-3.4602	Q.18458	Q-2.9950

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.01722	Q-10.055	Q39.186	Q2.1289	Q1.2123	Q-2.4409	Q5.5769
#1	.00319	Q.47882	Q54.018	Q25.999	Q1.9743	Q-.56765	Q8.9317
#2	-.02933	Q-13.886	Q36.736	Q-10.865	Q.93521	Q-3.2924	Q3.4830
#3	-.02551	Q-16.759	Q26.805	Q-8.7472	Q.72738	Q-3.4627	Q4.3159

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q1.9179	Q7.4339	-.68099
#1	Q3.5618	Q8.1427	-.53554
#2	Q1.0959	Q7.6255	-.67438
#3	Q1.0959	Q6.5335	-.83306

Method: SED5 Sample Name: HIGH 3 Operator:
Run Time: 08/09/90 15:26:12
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	Q-3.7156	105.37	Q107690.	Q-3.7947	Q7.8461	Q1.2916	Q.65849
#1	Q-3.8542	104.28	Q106660.	Q-15.785	Q8.6694	Q1.3477	Q.73543
#2	Q-3.2747	105.86	Q108430.	Q-2.4776	Q8.1760	Q1.1792	Q.57574
#3	Q-4.0179	105.99	Q107970.	Q6.8786	Q6.6931	Q1.3477	Q.66429

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	102.33	Q77.091	Q3.5021	Q-.90968	Q5.4106	Q-1.5042	102.52
#1	101.58	Q76.914	Q3.9940	Q-.99668	Q5.9353	Q-2.0787	101.77
#2	102.78	Q77.099	Q2.5318	Q-.34765	Q7.2833	Q-1.9222	102.82
#3	102.64	Q77.261	Q3.9806	Q-1.3847	Q3.0133	Q-.51166	102.97

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	104.48	Q97420.	99.126	108.24	Q5.9318	Q16.738	Q7.3130
#1	103.70	Q96813.	98.433	107.41	Q5.4375	Q16.886	Q2.5821
#2	104.80	Q97664.	99.617	109.25	Q5.4375	Q16.531	Q6.2074
#3	104.95	Q97781.	99.329	108.05	Q6.9204	Q16.796	Q13.150

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	113.84	Q.95765	Q36.192	Q-22.345	Q2.8749	Q1.1353	Q2.3777
#1	112.92	Q-2.3941	Q64.415	Q-25.958	Q3.0134	Q1.4759	Q2.9716
#2	114.87	Q6.9429	Q34.172	Q14.210	Q2.8056	Q1.1353	Q.81321
#3	113.73	Q-1.6759	Q9.9908	Q-55.287	Q2.8056	Q.79472	Q3.3482

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10368.	Q98387.	102.19
#1	Q10269.	Q97588.	101.24
#2	Q10411.	Q98802.	102.76
#3	Q10424.	Q98770.	102.57

Method: SED5 Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00730	.11207	.01660	-.04253	.07487	.00037	.02360
#1	-.00660	.11240	.01700	-.04680	.07320	.00030	.02360
#2	-.00730	.11180	.01720	-.04160	.07640	.00040	.02360
#3	-.00800	.11200	.01560	-.03920	.075	.00040	.02360

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.29853	.09053	.00123	.00113	.00253	.00113	.02413

#1	.30000	.09600	-.00060	.00080	.01080	.00100	.02600
#2	.29920	.08960	.00060	.00140	.00160	.00100	.02400
#3	.29640	.08600	.00370	.00120	-.00480	.00140	.02240

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.02413	.12587	.23753	-.00627	.03367	.06900	.00500
#1	.02600	.12600	.23720	-.01380	.03400	.06940	-.00220
#2	.02400	.12520	.23660	-.00160	.03320	.06880	.00500
#3	.02240	.12640	.23880	-.00340	.03380	.06880	.01220

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.25800	-.00060	.00103	.00533	.03520	.12440	.00173
#1	.26080	.00000	.00070	.00480	.03520	.12400	-.00040
#2	.25640	.00000	-.00020	.00720	.03520	.12480	.00000
#3	.25680	-.00180	.00260	.00400	.03520	.12440	.00560

Elem	Y	Znlow	Znhigh
Avge	.00067	.12480	.30667
#1	.00080	.12880	.30600
#2	.00100	.12360	.30840
#3	.00020	.12200	.30560

Method: SED5 Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.59880	.11893	.06593	5.2417	.14373	.00110	.02540
#1	.60080	.11880	.06520	5.2258	.14520	.00110	.02560
#2	.59800	.11880	.06780	5.2830	.14320	.00120	.02500
#3	.59760	.11920	.06480	5.2164	.14280	.00100	.02560

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.33087	.05840	.06717	15.875	7.7441	-.00260	9.1539
#1	.32920	.06040	.06610	15.896	7.7582	-.00220	9.1660
#2	.33120	.05840	.06740	15.886	7.7208	-.00240	9.1486
#3	.33220	.05640	.06800	15.844	7.7532	-.00320	9.1472

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	9.1539	.13200	.28613	.00187	3.0573	.07320	30.387
#1	9.1660	.13120	.28600	-.00120	3.1054	.07320	30.458
#2	9.1486	.13280	.28520	.00260	3.0540	.07280	30.412
#3	9.1472	.13200	.28720	.00420	3.0124	.07360	30.290

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	23.352	.00007	.41220	2.8365	20.577	.12947	-.33087
#1	23.665	.00080	.41140	2.8164	20.639	.12960	-.32720
#2	23.306	.00000	.41140	2.8102	20.574	.12920	-.33460
#3	23.086	-.00060	.41380	2.8828	20.516	.12960	-.33080

Elem	Y	Znlow	Znhigh
Avge	15.420	.11813	.30893

#1	15.457	.11840	.30800
#2	15.418	.11880	.30960
#3	15.386	.11720	.30920

Method: SED5 Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.10560	.12773	.00640	-.00107	5.3899	.00077	20.666
#1	-.10630	.12840	.00480	-.00180	5.3466	.00090	20.548
#2	-.10580	.12680	.00840	-.00940	5.4310	.00060	20.728
#3	-.10470	.12800	.00600	.00800	5.3922	.00080	20.723

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	2.2891	26.195	16.257	-.01933	-.15140	5.9991	.01733
#1	2.2822	26.027	16.168	-.01740	-.15180	5.9526	.01840
#2	2.2876	26.321	16.264	-.02080	-.15080	6.0360	.01720
#3	2.2976	26.237	16.340	-.01980	-.15160	6.0088	.01640

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01733	.18233	.31680	2.0538	.03493	17.598	.00693
#1	.01840	.18300	.31680	2.0488	.03520	17.501	.01720
#2	.01720	.18200	.31600	2.0690	.03480	17.632	-.00020
#3	.01640	.18200	.31760	2.0436	.03480	17.662	.00380

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.28400	1.4405	.00340	.00400	.04193	.12547	12.275
#1	.28760	1.4258	.00240	.00340	.04440	.12560	12.221
#2	.28320	1.4488	.00460	.00320	.04160	.12480	12.309
#3	.28120	1.4468	.00320	.00540	.03980	.12600	12.294

Elem	Y	Znlow	Znhigh
Avge	.00393	15.209	.51713
#1	.00540	15.114	.51560
#2	.00400	15.242	.51680
#3	.00240	15.271	.51900

Method: SED5 Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01047	.49973	3.8557	.01993	.10213	12.794	.04840
#1	-.00920	.50120	3.8544	.03400	.10880	12.822	.05400
#2	-.01220	.49980	3.8658	.01880	.10120	12.805	.04520
#3	-.01000	.49820	3.8468	.00700	.09640	12.754	.04600

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.32787	.08553	.01623	.03647	.00127	.00787	41.473
#1	.32880	.09280	.02250	.03400	.00320	.00960	41.559
#2	.32840	.08060	.01300	.03640	.00180	.00680	41.359

#3	.32640	.08320	.01320	.03900	-.00120	.00720	41.500

Elem	Malow	Felow	Fehigh	K	Li	Mn	Mo
Avge	41.473	4.1134	.60560	-.00873	.03447	.09413	.00233
#1	41.559	4.1124	.60600	.01600	.03460	.09880	.01160
#2	41.359	4.1062	.60400	-.02680	.03440	.09120	-.00920
#3	41.500	4.1216	.60680	-.01540	.03440	.09240	.00460

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.27800	.00080	.00050	.00127	.03707	12.532	.01333
#1	.27560	.00320	.00110	.00760	.03720	12.563	.01680
#2	.27960	-.00080	.00040	-.01560	.03680	12.516	.00980
#3	.27880	.00000	.00000	.01180	.03720	12.517	.01340

Elem	Y	Znlow	Znhigh
Avge	.00047	.13040	.30873
#1	.00060	.13480	.30780
#2	.00000	.12800	.30840
#3	.00080	.12840	.31000

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Method: SED5

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.000	ten1	blnk	1649.89	12.0442	08/09/90 03:30:47
V	292.400	ten2	blnk	814.801	-1.41232	08/09/90 03:32:38
Allow	396.100	ten3	blnk	2604.80	-43.2397	08/09/90 03:34:19
As	193.600	ten1	blnk	1892.41	80.4905	08/09/90 03:30:47
B	249.600	ten2	blnk	1881.44	-140.857	08/09/90 03:32:38
Ba	493.400	ten3	blnk	781.651	-.286605	08/09/90 03:34:19
Be	234.800	ten2	blnk	484.437	-11.4327	08/09/90 03:32:38
Znlow	213.800	ten2	blnk	666.221	-83.1444	08/09/90 03:32:38
Calow	393.300	ten2	blnk	1.05192	-.031703	08/09/90 03:32:38
Cd	228.800	ten2	blnk	615.152	-.758688	08/09/90 03:32:38
Co	228.600	ten1	blnk	629.961	-.713956	08/09/90 03:30:47
Cr	205.500	ten1	blnk	1291.73	-3.27239	08/09/90 03:30:47
Cu	324.700	ten2	blnk	1667.22	-1.88952	08/09/90 03:32:38
Mghigh	279.553	ten3	blnk	1.38772	-.029360	08/09/90 03:34:19
Mglow	279.553	ten1	blnk	1.41639	-.032582	08/09/90 03:30:47
Felow	259.900	ten3	blnk	2507.82	-315.650	08/09/90 03:34:19
Y	371.000	ten1	blnk	648.520	-.432346	08/09/90 03:30:47
K	766.400	ten2	blnk	48.5421	.304197	08/09/90 03:32:38
Li	670.700	ten1	blnk	3307.32	-111.346	08/09/90 03:30:47
Mn	257.600	ten2	blnk	570.470	-39.3624	08/09/90 03:32:38
Mo	202.000	ten1	blnk	329.143	-1.64571	08/09/90 03:30:47
Na	589.000	ten1	blnk	4.33009	-1.11716	08/09/90 03:30:47
Ni	231.600	ten2	blnk	6939.30	4.16358	08/09/90 03:32:38
Pb	220.300	ten1	blnk	24321.0	-25.1317	08/09/90 03:30:47
Sn	189.900	ten1	blnk	3532.15	-18.8382	08/09/90 03:30:47
Sr	421.500	ten1	blnk	486.823	-17.1362	08/09/90 03:30:47
Ti	334.900	ten3	blnk	805.966	-100.262	08/09/90 03:34:19

Method: SED5 Sample Name: BLANK 4 Operator:
Run Time: 08/09/90 15:36:56
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.76062	L-.14743	L-9.7689	L44.314	L9.7825	L1.4591	L.60829
#1	L-.07017	L-.12188	L-13.596	70.553	L9.0381	L1.7457	L.67891
#2	L2.5773	L-.11008	L-5.7723	L20.531	12.043	L1.1985	L.67529
#3	L-.22524	L-.21034	L-9.9386	L41.858	L8.2658	L1.4330	L.47067

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.06906	L-.00929	L-.08730	L-3.4472	L-5.6873	L.29400	-.03167
#1	L-.07932	L-.00870	L-.02349	L.66740	L-5.0848	L.06911	-.02838
#2	L-.06496	L-.00958	L-2.8753	L-3.7408	L-4.0512	L1.4044	-.03332
#3	L-.06291	L-.00958	L2.6369	L-7.2681	L-7.9260	L-.59155	-.03332

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00108	L-4.3469	L-.29841	L-.50484	L.22049	L.60056	L1.5233
#1	.00436	L1.3375	L-.31804	L-.51131	L-.22049	L.60254	L1.8063
#2	-.00057	L-6.6875	L-.30626	L-.62781	L-.22049	L.60136	L2.9926
#3	-.00057	L-7.6906	L-.27092	L-.37539	L1.1024	L.59779	L-.22894

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00144	L1.8505	L2.9001	L-12.355	L.16227	L2.1492	L-1.6603
#1	L.00087	L4.1636	L-29.429	L2.2400	L.19473	L2.9015	L-2.4200
#2	L.00173	L-2.7757	L-39.202	L-9.0581	L.19473	L1.9343	L-.46095
#3	L.00173	L4.1636	77.332	L-30.246	L.09736	L1.6119	L-2.0999

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.56205	L-8.1281	L-.75703
#1	L-.56205	L-7.4134	L-.92231
#2	L-.17294	L-8.4877	L-.68430
#3	L-.95116	L-8.4833	L-.66446

Method: SED5 Sample Name: AQC 4 Operator:
Run Time: 08/09/90 15:39:09
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	Q-67.602	5.9927	5101.1	5067.2	5066.0	4916.5	5067.3
#1	Q-69.141	5.9908	5111.4	5094.6	5034.0	4917.5	5060.3
#2	Q-67.217	5.9849	5072.8	5088.2	5048.7	4897.4	5055.2

#3	Q-66.448	6.0026	5119.2	5018.8	5115.4	4934.4	5086.5

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2218	5.0474	4961.2	4998.5	4889.1	5023.1	4.9752
#1	5.2263	5.0482	4938.1	4993.8	4892.7	5030.0	4.9725
#2	5.1955	5.0275	4965.4	4986.4	4878.8	5002.3	4.9596
#3	5.2437	5.0666	4980.0	5015.4	4895.8	5037.0	4.9936

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0089	5008.6	6.7534	.08738	5070.6	5000.1	4879.5
#1	5.0062	5004.4	6.7966	.05178	5118.2	4999.7	4895.1
#2	4.9932	4985.9	6.7613	-.64723	5062.0	4972.1	4850.7
#3	5.0272	5035.5	6.7024	.85758	5031.5	5028.6	4892.6

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.09296	4992.1	4877.2	4841.5	5136.9	4948.3	4858.0
#1	.09353	4997.7	4889.9	4916.9	5139.5	4947.5	4855.4
#2	.09700	5008.8	4854.3	Q4747.3	5117.0	4929.5	4841.1
#3	.08834	4969.9	4887.5	4860.3	5154.2	4967.8	4877.5

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5068.7	4993.3	4.5157
#1	5068.4	4992.8	4.5521
#2	5047.5	4986.7	4.5322
#3	5090.1	5000.3	4.4628

Method: SED5 Sample Name: AG 4 Operator:
Run Time: 08/09/90 15:41:11
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	51.940	3.5433	Q3465.1	Q29.556	Q44.384	Q5.9145	Q5.5692
#1	52.270	3.1857	Q3151.3	Q13.472	Q48.893	Q5.4976	Q4.9185
#2	52.601	3.4156	Q3338.8	Q47.495	Q40.622	Q5.4976	Q5.1177
#3	50.950	4.0285	Q3905.1	Q27.701	Q43.637	Q6.7483	Q6.6715

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.00547	Q.05053	Q4.9370	Q5.7860	Q2.2358	Q6.3014	-.02445
#1	.00479	Q.04548	Q5.9100	Q9.1038	Q3.1833	Q6.7481	-.02495
#2	.00479	Q.04813	Q4.6896	Q3.3092	Q4.2164	Q6.0789	-.02538
#3	.00684	Q.05799	Q4.2114	Q4.9451	Q-.69229	Q6.0773	-.02302

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

Avge	.00829	Q26.248	-.25718	.22977	Q5.9532	Q6.1870	Q4.6001
#1	.00779	Q24.409	-.24148	.44982	Q5.0712	Q5.6150	Q4.5800
#2	.00736	Q24.911	-.25914	-.10356	Q5.0712	Q5.8449	Q.82569
#3	.00972	Q29.425	-.27092	.34303	Q7.7171	Q7.1012	Q8.3946

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.07044	Q4.8575	Q-13.641	Q-11.613	Q5.8419	Q6.1253	Q6.2950
#1	.07102	Q-4.8575	Q24.599	Q-1.7426	Q5.2577	Q6.1253	Q4.9405
#2	.06755	Q8.3272	Q-38.174	Q-27.164	Q5.4524	Q5.4806	Q6.7351
#3	.07275	Q11.103	Q-27.349	Q-5.9323	Q6.8155	Q6.7701	Q7.2095

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q4.3667	Q5.1603	-.72397
#1	Q3.8479	Q3.4680	-.68430
#2	Q3.9776	Q5.3394	-.72397
#3	Q5.2746	Q6.6736	-.76364

Method: SED5 Sample Name: HIGH 4 Operator:
Run Time: 08/09/90 15:43:21
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	Q-1.5541	105.91	Q99904.	Q18.930	Q11.224	Q1.2246	Q-.60453
#1	Q-.57393	105.53	Q99538.	Q7.3798	Q14.010	Q1.1204	Q-.45607
#2	Q-3.6815	106.71	Q100450.	Q6.2490	Q11.686	Q1.4330	Q-1.1831
#3	Q-.40697	105.49	Q99726.	Q43.162	Q7.9771	Q1.1204	Q-.17444

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	102.98	Q69.041	Q.76939	Q-1.5635	Q5.0301	Q.73823	99.648
#1	102.96	Q69.003	Q.60219	Q.91382	Q10.885	Q-.04811	99.519
#2	102.85	Q69.081	Q.49003	Q-3.7469	Q5.9785	Q.63979	99.733
#3	103.13	Q69.039	Q1.2159	Q-1.8575	Q-1.7735	Q1.6230	99.691

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	101.05	Q93688.	99.757	97.557	Q9.0400	Q17.741	Q6.1609
#1	100.92	Q93406.	99.694	97.000	Q10.363	Q17.900	Q9.8619
#2	101.14	Q93892.	99.853	98.185	Q7.7171	Q17.428	Q2.7050
#3	101.10	Q93766.	99.723	97.486	Q9.0400	Q17.897	Q5.9156

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	102.30	Q.23131	Q3.4544	Q-4.7445	Q3.6349	Q6.1253	Q2.1385
#1	101.78	Q8.3272	Q47.559	Q9.8077	Q3.6999	Q6.4477	Q3.1299
#2	103.02	Q-1.3879	Q-1.8752	Q-20.434	Q3.6999	Q5.8030	Q1.4940
#3	102.09	Q-6.2454	Q-35.321	Q-3.6075	Q3.5051	Q6.1253	Q1.7816

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q9856.9	Q95611.	102.66
#1	Q9828.9	Q95479.	102.65
#2	Q9896.1	Q95810.	102.81
#3	Q9845.7	Q95543.	102.52

Method: SED5 Sample Name: FJ21S49 Operator:
Run Time: 08/09/90 15:45:31
Comment: SF7277
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	L1.7544	L.20385	219.83	L14.315	627.60	25.875	L.66653
#1	L1.0860	L.20385	238.94	L29.090	629.12	25.589	L.58479
#2	L5.0610	L.20385	210.39	L19.421	626.47	26.065	L.66195
#3	L-.88383	L.20385	210.15	L-5.5659	627.20	25.970	L.75285

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	187.97	?.00000	L.84432	95.552	L-.92879	L2.5372	27.737
#1	187.06	?.00000	L.91720	96.270	L-.19325	L2.1317	27.650
#2	188.12	?.00000	L2.8556	95.962	L-5.5545	L2.9121	27.691
#3	188.74	?.00000	L-1.2399	94.425	L2.9614	L2.5679	27.872

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	27.825	H50375.	52.020	L4.9983	29.320	4116.4	L3.5761
#1	27.737	H50278.	52.029	L4.5995	30.396	4107.4	L2.5064
#2	27.778	H50198.	51.778	5.1799	28.782	4107.3	L9.3036
#3	27.959	H50651.	52.252	5.2154	28.782	4134.5	L-1.0818

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	28.976	109.49	L-98.745	L-33.457	909.77	L2.7532	L.33442
#1	29.087	96.512	L-104.69	L-109.01	911.67	L2.3599	L.60206
#2	28.741	113.44	L-92.227	L31.388	903.00	L3.1465	L.57460
#3	29.100	118.52	L-99.316	L-22.749	914.64	L2.7532	L-.17341

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	24.949	452.61	L-.43557
#1	25.424	459.55	L-.49607
#2	24.949	450.48	L-.36298
#3	24.474	447.81	L-.44767

Method: SED5 Sample Name: FJ21S51 Operator:

Run Time: 08/09/90 15:47:32
Comment: SF7277
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	L3.1989	L7.2824	6859.1	L-22.280	128.14	28.926	3.1956
#1	L-.17189	L7.3016	6894.5	L-34.530	129.70	29.022	3.2965
#2	L5.4946	L7.2728	6820.5	L2.0799	127.81	28.831	3.2524
#3	L4.2740	L7.2728	6862.2	L-34.390	126.92	28.926	3.0380

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	126.69	H85.406	L.99836	84.588	L-4.7068	6.0853	80.877
#1	126.48	H85.176	L-1.6949	83.973	L-5.1279	6.3470	80.716
#2	127.04	H85.837	L2.1067	83.973	L-5.1261	7.9932	80.972
#3	126.56	H85.206	L2.5833	85.817	L-3.8663	L3.9157	80.943

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	81.481	9512.7	L10.131	L4.5679	79.892	9527.6	L1.4974
#1	81.316	9495.4	L10.059	L4.1376	82.043	9502.1	L6.7093
#2	81.577	9511.3	L10.203	L4.9430	78.816	9534.5	L2.4695
#3	81.548	9531.5	L10.131	L4.6232	78.816	9546.3	L-4.6865

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	44.087	119.09	L-154.79	L-16.792	637.99	L2.6221	L1.4060
#1	44.351	115.14	L-117.00	L-8.7713	638.71	L2.3599	L.93739
#2	43.842	115.14	L-173.83	L-8.7253	636.92	L2.7532	L1.3420
#3	44.068	126.99	L-173.54	L-32.881	638.35	L2.7532	L1.9385

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	50.742	219.28	L-.72998
#1	50.425	218.86	L-.71385
#2	51.058	220.78	L-.68965
#3	50.742	218.21	L-.78645

Method: SED5 Sample Name: FJ21S52 Operator:
Run Time: 08/09/90 15:49:30
Comment: SF7277
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	L4.2803	L7.4884	7054.5	L-18.110	126.59	28.449	3.3349
#1	L1.4578	L7.5172	7084.8	L1.2914	127.82	28.259	3.4954
#2	L3.4859	L7.5172	7117.0	L-39.347	127.80	28.640	3.2458
#3	7.8973	L7.4309	6961.6	L-16.273	124.15	28.449	3.2634

Elem	Cahigh	Calow	Cd	Co

Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	127.77	H86.097	L1.0957	85.661	L-6.4921	L3.2456	82.566
#1	127.87	H86.815	L-.43989	84.893	L-.71383	L1.8883	82.684
#2	127.45	H85.770	L2.0941	85.816	L-14.266	L2.3008	82.412
#3	128.01	H85.707	L1.6328	86.275	L-4.4962	L5.5476	82.604

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	83.200	9571.7	L10.191	L4.5087	83.657	9721.2	L-1.3869
#1	83.319	9601.2	L10.182	L4.5048	83.657	9736.3	L4.7157
#2	83.042	9555.3	L10.225	L4.8838	85.271	9715.2	L-4.3545
#3	83.238	9558.4	L10.167	L4.1376	82.043	9712.0	L-4.5218

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	44.538	127.55	L-198.02	L-15.896	641.36	L4.2609	L-.31924
#1	44.794	110.06	L-205.82	L-59.564	644.65	L4.3264	L-1.2311
#2	45.341	135.46	L-202.97	L3.3648	643.70	L3.7365	L1.1182
#3	43.480	137.15	L-185.26	L8.5107	635.74	L4.7197	L-.84489

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	49.951	207.20	L-.64932
#1	49.792	208.30	L-.71385
#2	49.476	208.77	L-.66546
#3	50.584	204.54	L-.56866

Method: SED5 Sample Name: FJ21D52 Operator:
Run Time: 08/09/90 15:51:32
Comment: SF7277
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	L2.1981	L7.5076	7048.5	L-20.204	125.99	28.068	3.2686
#1	L-.15784	L7.5028	7027.9	L-9.2480	124.17	28.259	3.2788
#2	L1.4648	L7.5028	7043.3	L-8.3324	127.81	28.259	3.2568
#3	L5.2873	L7.5172	7074.1	L-43.032	125.99	27.687	3.2700

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	128.65	H86.747	L.75919	88.838	L-5.2318	L3.3758	82.901
#1	128.29	H86.625	L-.96846	88.582	L-5.1272	L1.4730	82.737
#2	128.61	H86.802	L-.07285	88.275	L-3.2352	L4.7369	82.964
#3	129.04	H86.815	L3.3189	89.658	L-7.3331	L3.9176	83.003

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	83.541	9434.4	L10.150	L4.0823	83.657	9761.4	L.85713
#1	83.333	9407.8	L10.117	L4.4943	83.657	9775.0	L2.3701

#2	83.604	9464.2	L10.189	L3.9599	83.657	9786.4	L5.1984
#3	83.645	9431.1	L10.146	L3.5928	83.657	9762.0	L-5.0061

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	44.047	127.55	L-199.87	L-40.328	642.67	L3.9331	L1.8030
#1	43.486	113.44	L-181.94	L-34.593	641.32	L3.9331	L1.5366
#2	44.087	132.07	L-208.91	L-60.425	643.34	L3.9331	L.75024
#3	44.568	137.15	L-208.75	L-25.964	643.34	L3.9331	L3.1222

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	49.476	212.74	L-.55253
#1	50.109	208.47	L-.66546
#2	49.160	214.30	L-.39927
#3	49.160	215.44	L-.59286

Method: SED5 Sample Name: BLANK 5 Operator:
Run Time: 08/09/90 15:54:11
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	L2.0289	L-.11598	L-15.658	L33.680	L-.25682	L-.18239	L.12024
#1	L2.4083	L-.09829	L-20.868	L35.609	L.74989	L-.28661	L.09035
#2	L1.2557	L-.12778	L-14.096	L44.085	L-1.5128	L-.13028	L.18363
#3	L2.4229	L-.12188	L-12.011	L21.346	L-.00760	L-.13028	L.08674

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.04581	L.00781	L-.91559	L-3.4020	L-4.3093	L-.48248	-.02610
#1	L-.04547	L.01294	L-1.6263	L-1.8481	L-5.8595	L-.26122	-.02409
#2	L-.04650	L.00624	L-3.4072	L-3.8638	L-4.3093	L-.59311	-.02667
#3	L-.04547	L.00425	L2.2867	L-4.4940	L-2.7592	L-.59311	-.02753

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00665	L-7.6906	L-.28663	L-.14886	L.22049	L1.1318	L1.1736
#1	.00865	L-6.1859	L-.29448	L-.27831	L1.1024	L1.5129	L-2.8648
#2	.00608	L-9.1953	L-.28270	L-.43364	L-1.5434	L.82717	L4.3777
#3	.00522	L-7.6906	L-.28270	L.26536	L1.1024	L1.0554	L2.0079

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00722	L5.3201	L-36.777	L-8.5810	L.06491	L.10746	L-1.0039
#1	L.01039	L11.103	L-48.894	L-35.898	L.19473	L.16120	L-2.4210
#2	L.00693	L11.103	L-19.780	L16.380	L.00000	L.00000	L-2.4161
#3	L.00433	L-6.2454	L-41.658	L-6.2253	L.00000	L.16120	L1.8253

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L

Avge	L-.99440	L-8.2149	L-.78347
#1	L-.95116	L-7.6818	L-.68430
#2	L-.82146	L-8.2150	L-.84298
#3	L-1.2106	L-8.7480	L-.82314

Method: SED5 Sample Name: AQC 5 Operator:
Run Time: 08/09/90 15:59:59
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	Q-66.134	5.9986	5218.3	5086.0	5085.3	4979.1	5075.6
#1	Q-66.501	5.9908	5193.6	5066.6	5060.1	4959.6	5056.9
#2	Q-65.589	6.0026	5219.7	5100.2	5076.6	4978.8	5072.8
#3	Q-66.310	6.0026	5241.6	5091.1	5119.2	4999.0	5097.3

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.1203	5.0782	4919.6	4957.3	4807.9	5112.5	4.9292
#1	5.0806	5.0550	4878.1	4939.5	4778.5	5091.0	4.8993
#2	5.1165	5.0771	4934.8	4946.5	4826.6	5118.7	4.9240
#3	5.1637	5.1026	4946.0	4985.8	4818.6	5127.7	4.9642

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	4.9628	4976.7	6.6180	.15210	Q5495.7	4965.7	4853.4
#1	4.9329	4951.8	6.5787	.09061	Q5500.5	4935.7	4842.4
#2	4.9577	4977.8	6.6788	.25566	Q5552.8	4965.7	4854.5
#3	4.9978	5000.4	6.5964	.11003	Q5433.7	4995.7	4863.3

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.08372	4958.6	4837.8	4785.2	5180.7	4949.9	4842.4
#1	.07102	4925.5	4869.3	4812.9	5157.8	4921.2	4817.2
#2	.08834	4954.7	4812.4	4763.5	5180.2	4950.1	4836.3
#3	.09180	4995.6	4831.8	4779.0	5204.2	4978.5	4873.7

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5058.5	4976.3	4.4397
#1	5035.1	4955.1	4.3934
#2	5053.7	4970.9	4.4529
#3	5086.8	5003.0	4.4727

Method: SED5 Sample Name: AG 5 Operator:
Run Time: 08/09/90 16:01:54
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	53.042	1.6589	Q1688.4	Q45.900	Q48.644	Q4.8723	Q4.7259
#1	51.105	1.6589	Q1684.2	Q42.878	Q54.185	Q5.3413	Q4.9365
#2	52.445	1.6589	Q1682.7	Q48.547	Q45.123	Q5.0286	Q4.7193
#3	Q55.577	1.6589	Q1698.3	Q46.274	Q46.623	Q4.2470	Q4.5219

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	-.02803	Q.02580	Q3.7987	Q3.7723	Q.08306	Q7.7479	-.02695
#1	-.03419	Q.02648	Q4.8438	Q-.34281	Q-1.2094	Q8.7410	-.02667
#2	-.02598	Q.02560	Q1.8533	Q3.6882	Q2.1501	Q8.0842	-.02710
#3	-.02393	Q.02530	Q4.6989	Q7.9714	Q-.69156	Q6.4186	-.02710

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00579	Q11.202	-.24540	.59869	Q5.5122	Q5.3111	Q4.9525
#1	.00608	Q10.366	-.30037	.37216	Q5.0712	Q4.9363	Q4.6390
#2	.00565	Q14.378	-.22381	.63428	Q6.3941	Q5.6132	Q5.8328
#3	.00565	Q8.8610	-.21203	.78962	Q5.0712	Q5.3838	Q4.3859

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.05947	Q12.491	Q-16.989	Q-31.520	Q5.0630	Q4.7821	Q6.4524
#1	.05196	Q8.3272	Q-36.339	Q-49.906	Q5.2577	Q4.3522	Q5.9029
#2	.05543	Q23.594	Q-21.916	Q-23.036	Q5.0630	Q4.8358	Q7.7087
#3	.07102	Q5.5514	Q7.2859	Q-21.619	Q4.8682	Q5.1582	Q5.7457

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q3.6317	Q2.7530	-.82314
#1	Q3.4588	Q2.1347	-.86281
#2	Q3.7182	Q2.3927	-.84298
#3	Q3.7182	Q3.7316	-.76364

Method: SED5 Sample Name: HIGH 5 Operator:
Run Time: 08/09/90 16:04:01
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	Q1.1496	108.27	Q102820.	Q24.946	Q10.659	Q1.3549	Q-.49930
#1	Q2.3455	108.62	Q103320.	Q-10.184	Q14.230	Q1.2767	Q-.25270
#2	Q-.40982	108.39	Q102900.	Q54.999	Q11.075	Q1.1204	Q-.27661
#3	Q1.5132	107.81	Q102250.	Q30.022	Q6.6721	Q1.6675	Q-.96858

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	104.54	Q69.710	Q2.5433	Q-2.4870	Q-4.5943	Q1.8464	101.24

#1	105.03	Q70.106	Q5.9328	Q-2.7400	Q-5.6219	Q4.2413	101.56
#2	104.53	Q69.468	Q1.1029	Q-3.7464	Q-5.1121	Q-.50012	101.13
#3	104.05	Q69.558	Q.59415	Q-.97454	Q-3.0487	Q1.7982	101.03

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	102.71	Q95229.	101.41	102.69	Q9.2605	Q18.031	Q13.529
#1	103.04	Q95523.	101.87	103.98	Q10.363	Q17.794	Q18.080
#2	102.59	Q95208.	101.32	101.33	Q7.7171	Q18.306	Q8.4707
#3	102.49	Q94958.	101.05	102.76	Q9.7015	Q17.992	Q14.035

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	107.33	Q11.334	Q5.0848	Q8.6891	Q3.7972	Q5.8030	Q3.2779
#1	108.52	Q-2.0818	Q-15.774	Q22.053	Q3.8946	Q6.4477	Q4.1664
#2	107.11	Q19.430	Q12.074	Q4.1919	Q3.7972	Q5.4806	Q3.1632
#3	106.37	Q16.654	Q18.954	Q-.17796	Q3.6999	Q5.4806	Q2.5041

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q9996.5	Q97472.	104.69
#1	Q10005.	Q97846.	104.89
#2	Q10015.	Q97500.	104.83
#3	Q9969.3	Q97070.	104.36

Method: SED5 Sample Name: FJ03R06 Operator:
Run Time: 08/09/90 16:06:04
Comment: SF7277
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	L2.5237	L-.22784	L32.103	50.629	L-.71449	L1.2079	L.14991
#1	L5.3396	L-.25662	L36.557	58.932	L-.87350	L.98540	L.14550
#2	L1.7147	L-.17028	L36.555	58.956	L2.3580	L1.3668	L.15873
#3	L.51673	L-.25662	L23.197	L33.998	L-3.6279	L1.2715	L.14550

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.50551	.65305	L-1.1107	L-.91938	L-7.3603	32.615	.08016
#1	L.51386	.65626	L-2.2437	L2.2063	L-9.6715	31.803	.08575
#2	L.51010	.65491	L-2.2447	L-1.0223	L-7.7810	34.239	.08103
#3	L.49258	.64797	L1.1562	L-3.9421	L-4.6286	31.803	.07371

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.12009	L28.148	L-.48860	L-.26452	L-2.6899	L2.5084	L5.6186
#1	.12567	L34.675	L-.47423	L-.61195	L-3.4969	L2.6925	L11.751
#2	.12096	L28.556	L-.51734	L.35928	L-2.6899	L2.4185	L1.8674
#3	.11364	L21.213	L-.47423	L-.54089	L-1.8830	L2.4141	L3.2377

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.33495	L-1.4110	L-8.0008	L-7.0739	L.95028	L-1.8355	L2.3411
#1	L.32967	L-6.7728	L1.8266	L-42.119	L.95028	L-1.9666	L.61218
#2	L.33178	L7.6194	L-6.8854	L16.478	L.95028	L-1.5732	L3.0012
#3	L.34341	L-5.0796	L-18.944	L4.4202	L.95028	L-1.9666	L3.4099

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.8989	50.849	L-1.2704
#1	L2.9538	56.486	L-1.2341
#2	L2.0044	52.904	L-1.3309
#3	L.73845	43.156	L-1.2462

Method: SED5 Sample Name: FJ03R07 Operator:
Run Time: 08/09/90 16:07:59
Comment: SF7277
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	L4.7570	L-.23024	L13.570	L47.707	L-3.6579	L.57217	L.20226
#1	L3.3391	L-.17747	L1.9169	71.449	L-3.6519	L.60396	L.12787
#2	L5.5563	L-.25662	L17.171	L37.684	L-3.6579	L.41323	L.35986
#3	L5.3755	L-.25662	L21.621	L33.988	L-3.6639	L.69932	L.11905

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.01668	L.10899	L1.7380	L-.92247	L-1.5809	52.424	-.00027
#1	L.01585	L.11055	L2.7739	L2.0501	L-1.4760	52.558	.00096
#2	L.01585	L.10902	L1.3572	L-.25618	L-.84549	54.187	-.00061
#3	L.01835	L.10740	L1.0829	L-4.5613	L-2.4212	50.528	-.00114

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.03968	L9.9945	L-.40238	L.74619	L.80699	L.17977	L2.8177
#1	.04090	L6.5270	L-.41675	L-.12634	L-.26900	L-.09717	L-1.1727
#2	.03933	L10.198	L-.40238	L.95149	L1.3450	L.17977	L7.0206
#3	.03881	L13.258	L-.38801	L1.4134	L1.3450	L.45671	L2.6052

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.18561	L4.7974	L-17.660	L-19.111	L.23757	L.13111	L2.6268
#1	L.18702	L11.006	L-43.252	L.99754	L.23757	L-.39331	L.63829
#2	L.17962	L-5.0796	L9.9399	L-27.444	L.23757	L.00000	L.64078
#3	L.19019	L8.4660	L-19.667	L-30.887	L.23757	L.78663	6.6013

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.31648	L11.399	L-1.1333
#1	L.10549	L11.508	L-1.1978

#2	L-.52746	L12.148	L-1.1252
#3	L-.52746	L10.539	L-1.0768

Method: SED5 Sample Name: DIGESTION 38 Operator:
Run Time: 08/09/90 16:10:04
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	L1.2955	L-.21034	L-1.8926	L10.708	L3.0420	L.44294	L-.01353
#1	L1.0772	L-.21034	L1.5739	L-8.4699	L3.7897	L.65138	L-.08174
#2	L-.57675	L-.21034	L-2.5951	L-3.5470	L.78917	L.33872	L-.07451
#3	L3.3861	L-.21034	L-4.6566	L44.140	L4.5472	L.33872	L.11565

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.02735	L.11092	L-.63506	L-1.0477	L-2.8465	L.50591	-.01959
#1	L.01709	L.11102	L.09274	L-1.2159	L-3.2769	L.06288	-.01959
#2	L.01504	L.11043	L-3.2637	L-2.0971	L-.69376	L-.60713	-.01959
#3	L.04991	L.11131	L1.2657	L.16976	L-4.5688	L2.0620	-.01959

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01315	L-4.8484	L-.37694	L-.10356	L-1.3229	L-.45639	L.43898
#1	.01315	L-3.6781	L-.36516	L-.91906	L-1.5434	L-.30546	L-1.9514
#2	.01315	L-5.1828	L-.38872	L-.47248	L-1.5434	L-.53127	L2.3247
#3	.01315	L-5.6844	L-.37694	L1.0809	L-.88195	L-.53246	L.94367

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.22980	L9.7150	L1.3562	L-25.808	L.74646	L-1.3970	L-.84119
#1	L.23384	L13.879	L-29.467	L-11.910	L.68155	L-1.2895	L-1.1134
#2	L.22864	L.00000	L43.572	L-52.185	L.77892	L-1.7731	L-.78132
#3	L.22691	15.266	L-10.036	L-13.327	L.77892	L-1.1283	L-.62881

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.86469	L-.96638	L-.99174
#1	L-.95116	L-1.8099	L-1.0116
#2	L-.95116	L-2.0695	L-1.0215
#3	L-.69175	L.98018	L-.94215

Method: SED5 Sample Name: FJ21S47 Operator:
Run Time: 08/09/90 16:12:10
Comment: SF7277
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	L2.1484	L-.07195	L-46.952	L48.236	2126.7	15.162	L-.08174

#1	L3.4423	L-.04796	L-21.695	73.500	2107.4	15.290	L-.02645
#2	L-.01576	L-.09113	L-49.486	L49.725	2130.9	14.527	L.01323
#3	L3.0192	L-.07674	L-69.676	L21.481	2141.9	15.671	L-.23200

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	341.34	?.00000	L.71652	L-1.6970	L-1.9960	L5.1541	21.908
#1	341.41	?.00000	L3.8950	L-3.6458	L-2.1001	L5.0286	21.854
#2	340.69	?.00000	L-.07031	L-.56855	L2.6260	L2.9775	21.872
#3	341.91	?.00000	L-1.6752	L-.87658	L-6.5140	7.4561	21.998

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	21.975	L29.983	L.00958	7.0473	16.409	574.32	L-.21305
#1	21.921	L31.003	L.08622	7.0631	17.485	573.61	L-2.9615
#2	21.940	L29.779	L-.04311	6.1867	17.485	573.49	L1.9225
#3	22.065	L29.168	L-.01437	7.8922	14.257	575.85	L.39989

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	27.304	L10.159	L-15.125	L-23.272	1789.9	L3.9331	L-.73419
#1	26.642	L13.546	L-25.159	L-41.056	1770.5	L5.1131	L.26329
#2	27.789	L6.7728	L-42.664	L-19.556	1792.6	L3.1465	L-2.9105
#3	27.481	L10.159	L22.446	L-9.2032	1806.6	L3.5398	L.44466

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.94943	293.01	L-.68965
#1	L1.0549	288.99	L-.56866
#2	L.73845	294.22	L-.76225
#3	L1.0549	295.82	L-.73805

Method: SED5 Sample Name: FJ21S47 Operator:
Run Time: 08/09/90 16:14:07
Comment: SF7277
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	L1.9490	L-.08634	L-58.037	L39.535	2162.4	15.353	L-.08542
#1	L2.2144	L-.07674	L-66.411	51.494	2160.7	15.099	L-.23420
#2	L-.59661	L-.10552	L-78.350	L20.236	2151.5	15.290	L-.01764
#3	L4.2291	L-.07674	L-29.350	L46.874	2174.9	15.671	L-.00441

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	347.83	?.00000	L.15166	L-.21112	L-.52504	11.936	22.311
#1	344.03	?.00000	L-2.3333	L-.41545	L2.9416	11.932	22.153
#2	348.20	?.00000	L-.76457	L-.56978	L.42096	10.720	22.291
#3	351.27	?.00000	L3.5529	L.35187	L-4.9377	13.155	22.400

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	22.380	L31.003	L.02156	8.3305	14.795	585.40	L-1.8446
#1	22.221	L29.779	L-.00719	7.8449	14.257	581.70	L-1.9283
#2	22.359	L29.779	L.05748	7.8922	14.257	584.75	L-4.8120
#3	22.558	L33.451	L.01437	9.2543	15.871	589.77	L1.2063

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	27.722	L11.852	L-45.037	L-13.788	1822.8	L3.9331	L-.99451
#1	27.590	L-1.6932	L-96.380	L2.8651	1816.6	L3.5398	L.07429
#2	27.459	L6.7728	L-66.884	L20.122	1817.6	L3.9331	L-2.1167
#3	28.117	30.477	L28.154	L-64.352	1834.2	L4.3264	L-.94114

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.42197	286.58	L-.62109
#1	L.10549	283.44	L-.60496
#2	L.10549	284.74	L-.64126
#3	L1.0549	291.56	L-.61706

Method: SED5 Sample Name: FJ21S47 Operator:
Run Time: 08/09/90 16:16:27
Comment: SF7277
Mode: CONC Corr. Factor: 1.52

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Units	ug/L	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	52.945	L.70514	719.39	95.044	3047.8	215.17	9.8332
#1	54.789	L.72904	701.74	112.18	3011.9	211.29	9.7204
#2	51.268	L.71111	752.63	95.015	3080.0	217.94	10.034
#3	52.779	L.67526	703.79	77.942	3051.4	216.28	9.7451

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	H405.98	?.00000	24.449	94.756	91.900	56.210	46.687
#1	H404.81	?.00000	21.089	91.053	93.995	54.020	46.405
#2	H407.60	?.00000	26.443	94.501	97.528	55.532	46.963
#3	H405.53	?.00000	25.813	98.715	84.177	59.078	46.694

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	46.853	815.23	L.91014	33.867	71.050	698.05	127.95
#1	46.569	813.20	L.95789	33.532	70.045	694.46	123.08
#2	47.130	819.30	L.89522	33.946	71.050	702.62	130.88
#3	46.860	813.20	L.87732	34.123	72.055	697.07	129.88

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	81.333	151.89	752.84	525.79	2896.1	106.83	46.543

#1	80.021	154.00	765.14	523.66	2856.1	107.32	44.735
#2	82.043	145.56	750.44	472.09	2922.1	106.83	45.732
#3	81.934	156.11	742.93	581.61	2910.0	106.34	49.161

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	51.259	691.57	L-.64820
#1	50.602	686.78	L-.43716
#2	51.390	690.83	L-.73865
#3	51.785	697.09	L-.76879

Method: SED5 Sample Name: BLANK 6 Operator:
Run Time: 08/09/90 16:19:19
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	L1.0878	L-.16120	L-4.5040	L46.281	L6.5385	L.05211	L.10421
#1	L.43446	L-.13957	L-9.8866	L8.9482	L6.0179	L.18239	L.09035
#2	L.75655	L-.21034	L-8.3270	70.254	L7.5525	L-.28661	L.11204
#3	L2.0723	L-.13367	L4.7016	59.642	L6.0449	L.26055	L.11023

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.01709	L.08661	L.96454	L-3.9887	L-3.2766	L.28855	-.02595
#1	L.01812	L.07581	L3.3567	L-2.4778	L-1.2093	L.40567	-.02710
#2	L.01299	L.09025	L-1.9908	L-3.9877	L-5.3437	L.06288	-.02581
#3	L.02017	L.09378	L1.5277	L-5.5006	L-3.2769	L.39710	-.02495

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00679	L-12.038	L-.33964	L-.47571	L-1.9844	L-.15590	L-4.7571
#1	.00565	L-10.700	L-.29448	L-.93848	L-2.8663	L-.08439	L-5.1030
#2	.00694	L-13.709	L-.36516	L-.22006	L-.22049	L-.53364	L-4.7162
#3	.00779	L-11.703	L-.35927	L-.26860	L-2.8663	L.15033	L-4.4522

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00577	L9.2524	L-1.8867	L-9.5438	L.38946	L-.64477	L.68036
#1	L.01732	L11.103	L-14.934	L2.9531	L.38946	L.00000	L-.28933
#2	L.00866	L6.9393	L14.311	L-26.039	L.38946	L-1.2895	L2.1399
#3	L-.00866	L9.7150	L-5.0364	L-5.5453	L.38946	L-.64477	L.19053

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-.99440	L-9.9872	L-.94876
#1	L-.69175	L-9.8170	L-.82314
#2	L-.82146	L-9.8045	L-.96198
#3	L-1.4700	L-10.340	L-1.0612

Method: SED5 Sample Name: AQC 6 Operator:
Run Time: 08/09/90 16:25:24
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	Q-69.505	6.2264	Q5403.3	5229.3	Q5263.6	5166.7	5208.1
#1	Q-70.060	6.1381	Q5361.4	Q5250.2	5195.1	5125.0	5149.0
#2	Q-68.585	6.2500	Q5388.0	5167.1	Q5256.8	5148.8	5207.3
#3	Q-69.870	6.2912	Q5460.4	Q5270.5	Q5338.8	5226.5	Q5268.1

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.1969	Q5.2660	5035.5	5076.9	4925.9	Q5323.9	5.0315
#1	5.1535	5.2175	4990.6	5010.5	4880.9	Q5281.8	4.9780
#2	5.2068	Q5.2592	5045.3	5084.8	4936.7	Q5310.4	5.0335
#3	5.2304	Q5.3213	5070.6	5135.5	4960.2	Q5379.5	5.0829

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0652	5104.1	6.7495	-.46600	Q5783.4	5081.6	4967.7
#1	5.0117	5063.6	6.6906	-.06472	Q5722.8	5025.3	4928.4
#2	5.0672	5088.2	6.7613	-.91906	Q5775.7	5080.5	4957.7
#3	5.1166	5160.4	6.7966	-.41423	Q5851.7	5139.0	5016.9

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.15214	5112.9	5054.3	4897.1	Q5362.4	5094.8	4977.7
#1	.15243	5088.6	5063.5	4807.3	Q5315.6	5046.2	4930.1
#2	.15329	5105.2	5033.6	4847.6	Q5351.4	5089.7	4972.3
#3	.15069	5144.8	5065.7	5036.3	Q5420.2	5148.7	5030.7

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5212.4	5098.5	4.3702
#1	5156.6	5045.4	4.1950
#2	5211.5	5106.4	4.4826
#3	Q5269.0	5143.7	4.4331

#1	Q57.875	2.3369	Q2374.0	Q59.460	Q52.673	Q5.8103	Q5.4155
#2	51.590	2.3428	Q2373.0	Q33.701	Q47.434	Q5.1850	Q4.7590
#3	51.251	2.3428	Q2395.9	Q46.952	Q42.934	Q3.9343	Q3.9948

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	-.02838	Q.05308	Q4.5705	Q3.6065	Q2.5792	Q5.1788	-.01466
#1	-.02188	Q.05475	Q8.6662	Q6.0830	Q-1.7258	Q6.7427	-.01380
#2	-.01778	Q.05254	Q5.1525	Q3.6902	Q4.9903	Q4.7327	-.01530
#3	-.04547	Q.05195	Q-.10731	Q1.0464	Q4.4732	Q4.0611	-.01487

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01809	Q23.239	-.34160	-.07443	Q5.0712	Q4.9405	Q5.5558
#1	.01894	Q23.406	-.28270	.77020	Q6.3941	Q5.7332	Q5.8259
#2	.01744	Q24.409	-.35338	-.46277	Q6.3941	Q5.0558	Q6.3443
#3	.01787	Q21.902	-.38872	-.53073	Q2.4254	Q4.0325	Q4.4970

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.05976	Q4.1636	Q-.09292	Q-11.018	Q5.9717	Q3.3313	Q6.2919
#1	.06062	Q15.266	Q28.087	Q-20.183	Q6.8155	Q4.1910	Q6.5541
#2	.06582	Q-6.9393	Q-27.612	Q-5.3708	Q6.0366	Q3.5463	Q6.4068
#3	.05283	Q4.1636	Q-.75398	Q-7.5019	Q5.0630	Q2.2567	Q5.9148

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q5.9231	Q15.217	-1.0413
#1	Q7.3499	Q17.332	-1.0612
#2	Q5.7934	Q14.155	-.94215
#3	Q4.6261	Q14.163	-1.1207

Method: SED5 Sample Name: HIGH 6 Operator:
Run Time: 08/09/90 16:29:14
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	Q-1.5877	114.73	Q109020.	Q29.089	Q11.188	Q1.8760	Q-.38335
#1	Q-.42197	114.66	Q108790.	Q1.5178	Q9.0567	Q1.8239	Q-.79314
#2	Q-.55531	114.34	Q108400.	Q64.160	Q13.852	Q2.0583	Q-.10270
#3	Q-3.7858	115.20	Q109890.	Q21.590	Q10.654	Q1.7457	Q-.25422

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	108.08	Q74.682	Q2.1017	Q-1.3930	Q1.3132	Q-.38390	105.10
#1	108.59	Q74.803	Q2.0582	Q3.1842	Q2.1818	Q-1.8608	105.63
#2	108.20	Q74.455	Q1.1805	Q-3.7454	Q2.6901	Q1.3849	105.30
#3	107.45	Q74.787	Q3.0663	Q-3.6178	Q-.93236	Q-.67575	104.36

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	106.73	Q99322.	105.56	108.38	Q8.1580	Q18.525	Q7.2517
#1	107.29	Q99656.	106.16	105.92	Q7.7171	Q19.073	Q12.390
#2	106.95	Q99316.	105.49	108.49	Q9.0400	Q18.228	Q5.4659
#3	105.96	Q98993.	105.04	110.72	Q7.7171	Q18.274	Q3.8992

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	114.63	Q.92524	Q6.2088	Q-1.4843	Q4.4139	Q4.5134	Q2.3553
#1	113.69	Q8.3272	Q-27.777	Q4.8330	Q4.4788	Q4.8358	Q2.1152
#2	113.15	Q.00000	Q89.970	Q18.715	Q4.4788	Q4.8358	Q3.0618
#3	117.06	Q-5.5514	Q-43.567	Q-28.001	Q4.2840	Q3.8686	Q1.8888

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10513.	Q101710.	109.86
#1	Q10537.	Q101950.	110.19
#2	Q10504.	Q101670.	109.42
#3	Q10498.	Q101510.	109.96

Method: SED5 Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00800	.11860	.00840	-.04573	.07833	.00013	.02493
#1	-.00660	.11800	.00880	-.04900	.07680	.00000	.02480
#2	-.00720	.11900	.01320	-.04420	.07920	.00060	.02520
#3	-.01020	.11880	.00320	-.04400	.07900	-.00020	.02480

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.31907	.05573	-.00150	-.01273	-.00473	.00133	.01480
#1	.31800	.05560	-.00200	-.00560	-.00240	.00080	.01480
#2	.31980	.05600	.00140	-.01620	-.00520	.00320	.01480
#3	.31940	.05560	-.00390	-.01640	-.00660	.00000	.01480

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01480	.13193	.25573	-.01673	.03600	.07440	.00213
#1	.01480	.13200	.25440	-.02580	.03600	.07400	.01120
#2	.01480	.13220	.25720	.01340	.03600	.07480	.01880
#3	.01480	.13160	.25560	-.03780	.03600	.07440	-.02360

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.28340	-.00050	-.00013	.00573	.03760	.13387	.00113
#1	.28300	-.00040	.00230	.01120	.03760	.13400	.00220
#2	.28120	-.00030	-.00100	.00240	.03760	.13360	.00520
#3	.28600	-.00080	-.00170	.00360	.03760	.13400	-.00400

Elem	Y	Znlow	Znhigh
Avge	-.00273	.11893	.33360
#1	-.00100	.11880	.33200
#2	-.00360	.11920	.33520
#3	-.00360	.11880	.33360

Method: SED5 Standard: ten1

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	.58067	.12547	.06113	5.1887	.13613	.00073	.02633
#1	.58160	.12640	.06320	5.1978	.13800	.00100	.02640
#2	.58020	.12520	.05860	5.1840	.13640	.00040	.02640
#3	.58020	.12480	.06160	5.1844	.13400	.00080	.02620

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.35060	.04400	.06127	15.877	7.6861	-.00373	9.1514
#1	.35200	.04400	.05860	15.864	7.6526	-.00400	9.1364
#2	.35060	.04400	.05980	15.891	7.6952	-.00360	9.1534
#3	.34920	.04400	.06540	15.877	7.7104	-.00360	9.1644

Elem	Malow	Felow	Fehigh	K	Li	Mn	Mo
Avge	9.1514	.13847	.30387	-.02333	2.7345	.07833	29.946

#1	9.1364	.13840	.30360	-.02860	2.7220	.07820	29.886
#2	9.1534	.13820	.30520	-.02020	2.7462	.07880	29.898
#3	9.1644	.13880	.30280	-.02120	2.7352	.07800	30.054

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	21.249	-.00070	.41007	3.0951	19.222	.13893	-.34180
#1	21.200	-.00280	.41010	3.0900	19.114	.13920	-.33800
#2	21.291	-.00160	.40800	3.1048	19.249	.13880	-.34440
#3	21.255	.00230	.41210	3.0906	19.304	.13880	-.34300

Elem	Y	Znlow	Znhigh
Avge	14.765	.12093	.33280
#1	14.710	.12160	.33400
#2	14.782	.12040	.33440
#3	14.803	.12080	.33000

Method: SED5 Standard: ten2

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.10567	.13660	.00580	-.00487	5.1455	.00060	20.255
#1	-.10600	.13840	.00740	-.02060	5.1446	.00080	20.304
#2	-.10320	.13740	.00600	-.00300	5.1624	.00100	20.364
#3	-.10780	.13400	.00400	.00900	5.1294	.00000	20.099

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	2.4135	24.480	16.305	-.01053	-.13193	5.4839	.01573
#1	2.4390	24.395	16.370	-.00820	-.13480	5.4636	.01640
#2	2.4266	24.568	16.429	-.01000	-.13560	5.5120	.01560
#3	2.3750	24.476	16.115	-.01340	-.12540	5.4762	.01520

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01573	.19507	.33833	1.8707	.03813	17.568	.01047
#1	.01640	.19680	.34420	1.8582	.03880	17.655	.01440
#2	.01560	.19680	.33960	1.9100	.03800	17.656	.01140
#3	.01520	.19160	.33120	1.8438	.03760	17.393	.00560

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.30653	1.4498	.00027	.00247	.04460	.13840	12.095
#1	.31200	1.4680	.00040	.00080	.04620	.14000	12.129
#2	.30560	1.4569	.00040	.01260	.04400	.13880	12.147
#3	.30200	1.4246	.00000	-.00600	.04360	.13640	12.009

Elem	Y	Znlow	Znhigh
Avge	.00407	15.099	.54453
#1	.00520	15.202	.55080
#2	.00460	15.194	.54680
#3	.00240	14.902	.53600

Method: SED5 Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00457	.42760	2.9492	.00593	.51813	9.0323	.04053
#1	-.00970	.50560	3.7676	.00060	.64160	11.690	.04320
#2	-.01140	.5	3.7552	-.00200	.63320	11.628	.03960
#3	.00740	.27720	1.3248	.01920	.27960	3.7796	.03880

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.37000	.05293	.01067	.02893	-.00107	.00907	34.410
#1	.35360	.06320	.00960	.04080	.00160	.00720	42.394
#2	.34800	.05880	.00400	.03780	-.00100	.00480	42.078
#3	.40840	.03680	.01840	.00820	-.00380	.01520	18.759

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	34.410	3.3605	.58227	.17073	.03947	.09567	.02880
#1	42.394	4.1624	.64060	.01320	.03680	.09440	.01560
#2	42.078	4.1384	.63340	-.00360	.03640	.09100	.00480
#3	18.759	1.7808	.47280	.50260	.04520	.10160	.06600

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.45913	.00123	.00413	.00447	.04253	9.5547	.02953
#1	.47160	.00170	.00260	.00720	.03960	12.084	.01320
#2	.46660	.00040	.00020	.00380	.03920	11.999	.01000
#3	.43920	.00160	.00960	.00240	.04880	4.5804	.06540

Elem	Y	Znlow	Znhigh
Avge	-.00173	.13653	.36667
#1	.00000	.13400	.33880
#2	-.00040	.13200	.33840
#3	-.00480	.14360	.42280

Method: SED5 Standard: cazn

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00970	.12193	-.09660	-.04080	.11360	.00417	.03240
#1	-.00860	.12080	-.10720	-.03560	.11640	.00500	.03120
#2	-.01140	.12140	-.10160	-.07680	.11240	.00390	.03240
#3	-.00910	.12360	-.08100	-.01000	.11200	.00360	.03360

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	82.961	216.34	.00767	-.00367	-.00433	.00387	.02680
#1	82.302	216.25	.00920	.00200	-.00800	.00400	.03000
#2	82.643	216.31	.00700	-.00740	-.00520	.00240	.02640
#3	83.938	216.46	.00680	-.00560	.00020	.00520	.02400

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.02680	.15993	.26773	-.00033	.04087	.08507	.09133

#1	.03000	.15840	.26600	-.00100	.04040	.08360	.09920
#2	.02640	.16040	.26860	-.01820	.04080	.08440	.07700
#3	.02400	.16100	.26860	.01820	.04140	.08720	.09780

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.31140	.00100	-.00120	-.00160	.05960	.15880	.00667
#1	.30760	.00180	.00020	-.00160	.05920	.15840	.00560
#2	.31100	.00060	-.00220	-.00080	.05960	.15840	.00440
#3	.31560	.00060	-.00160	-.00240	.06000	.15960	.01000

Elem	Y	Znlow	Znhigh
Avge	.00027	479.70	8.5079
#1	.00080	479.69	8.4724
#2	-.00020	479.69	8.4770
#3	.00020	479.70	8.5742

Method: SED5 Standard: alte

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.05403	13.775	124.48	1.0617	.17720	.00330	.29147
#1	-.05600	13.818	124.49	1.0714	.17840	.00360	.29520
#2	-.05520	13.742	124.43	1.0448	.17600	.00290	.28800
#3	-.05090	13.765	124.53	1.0688	.17720	.00340	.29120

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.38540	.69400	-.00847	-.00520	-.00387	-.03107	.01853
#1	.42600	1.2428	-.00760	-.00240	-.00320	-.03200	.01880
#2	.36700	.45200	-.00920	-.01120	-.00600	-.03080	.01840
#3	.36320	.38720	-.00860	-.00200	-.00240	-.03040	.01840

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01853	147.88	14.294	-.01587	.03667	.21133	-.13387
#1	.01880	147.12	14.244	-.03720	.03660	.21000	-.16320
#2	.01840	148.07	14.299	-.00800	.03660	.21120	-.12560
#3	.01840	148.46	14.338	-.00240	.03680	.21280	-.11280

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.34060	.00087	.00943	-.04120	.03947	.13920	-.02307
#1	.34020	.00200	.00970	-.04040	.03920	.13880	-.02600
#2	.34280	-.00020	.00740	-.04800	.03960	.13920	-.02360
#3	.33880	.00080	.01120	-.03520	.03960	.13960	-.01960

Elem	Y	Znlow	Znhigh
Avge	.00087	.59080	.34100
#1	.00100	.90140	.34480
#2	-.00080	.45380	.33980
#3	.00240	.41720	.33840

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Method: SED5

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag	328.000	ten1	blnk	1698.75	13.5900	08/07/90 02:26:37
Alhigh	308.200	alfe	blnk	29.2899	-3.47378	08/07/90 02:35:17
Allow	396.100	ten3	blnk	3400.44	-28.5637	08/07/90 02:31:52
As	193.600	ten1	blnk	1910.41	87.3696	08/07/90 02:26:37
B	249.600	ten2	blnk	1973.50	-154.591	08/07/90 02:29:19
Ba	493.400	ten3	blnk	1107.15	-.147621	08/07/90 02:31:52
Be	234.800	ten2	blnk	494.302	-12.3246	08/07/90 02:29:19
Cahigh	315.800	cazn	blnk	4.84016	-1.54433	08/07/90 02:33:35
Calow	393.300	ten2	blnk	1.12429	.000870	08/07/90 02:29:19
Cd	228.800	ten2	blnk	613.264	.919895	08/07/90 02:29:19
Co	228.600	ten1	blnk	629.329	8.01346	08/07/90 02:26:37
Cr	205.500	ten1	blnk	1300.25	6.15454	08/07/90 02:26:37
Cu	324.700	ten2	blnk	1823.95	-2.43194	08/07/90 02:29:19
Mghigh	279.553	ten3	blnk	1.67227	-.020620	08/07/90 02:31:52
Mglow	279.553	ten1	blnk	1.41534	-.019347	08/07/90 02:26:37
Felow	259.900	ten3	blnk	3097.32	-408.639	08/07/90 02:31:52
Fehigh	271.400	alfe	blnk	28.4941	-7.28689	08/07/90 02:35:17
K	766.400	ten2	blnk	52.9829	.886581	08/07/90 02:29:19
Li	670.700	ten1	blnk	3705.81	-133.409	08/07/90 02:26:37
Mn	257.600	ten2	blnk	571.633	-42.5295	08/07/90 02:29:19
Mo	202.000	ten1	blnk	333.958	-.712444	08/07/90 02:26:37
Na	589.000	ten1	blnk	4.76979	-1.35176	08/07/90 02:26:37
Ni	231.600	ten2	blnk	6894.97	3.44748	08/07/90 02:29:19
Pb	220.300	ten1	blnk	24378.4	3.25045	08/07/90 02:26:37
Sn	189.900	ten1	blnk	3236.87	-18.5581	08/07/90 02:26:37
Sr	421.500	ten1	blnk	521.255	-19.5992	08/07/90 02:26:37
Ti	334.900	ten3	blnk	1061.48	-142.097	08/07/90 02:31:52
V	292.400	ten2	blnk	826.865	-.937114	08/07/90 02:29:19
Y	371.000	ten1	blnk	677.161	1.85091	08/07/90 02:26:37
Znlow	213.800	ten2	blnk	670.816	-79.7824	08/07/90 02:29:19
Znhigh	481.000	cazn	blnk	48.9341	-16.3244	08/07/90 02:33:35

Method: SED5 Sample Name: CU FOR IEC Operator: MS
Run Time: 08/07/90 14:38:57
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	L.55214	L.06053	L-.64860	L34.291	24.794	L.88572	L.32819
#1	L-.95272	L.08201	L10.925	L23.463	29.233	L.95953	L.42753
#2	L5.3295	L.08201	L8.8776	L22.709	25.304	L1.1810	L.44493
#3	L-2.7204	L.01757	L-21.749	56.701	19.846	L.51667	L.11210

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.04905	L.00738	L1.4951	10.020	L7.6352	10333.	-.03057
#1	L.06841	L.00859	L.38897	8.8843	L4.6046	10322.	-.03040
#2	L.05679	L.00702	L1.3747	12.662	L6.9433	10314.	-.03040
#3	L.02194	L.00654	L2.7218	8.5130	11.358	10364.	-.03091

Elem	Malow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00265	L30.767	L.22035	L-.45919	L3.4588	L1.5786	L-3.2038
#1	.00279	L41.091	L.32673	L.01766	L4.4470	L2.1396	L-3.2810
#2	.00279	L33.658	L.26974	L.07064	L4.4470	L2.0310	L2.3900
#3	.00236	L17.551	L.06459	L-1.4659	L1.4823	L.56519	L-8.7203

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.09190	L.68950	L-96.952	L-28.860	L.62551	L4.8828	L-1.8396
#1	L.10971	L-2.0685	L-87.191	L-13.295	L.83401	L6.5104	L-1.4029
#2	L.09254	L.68950	L-79.549	L-23.668	L.83401	L5.6612	L1.7437
#3	L.07346	L3.4475	L-124.12	L-49.616	L.20850	L2.4768	L-5.8596

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.4898	L1.0235	L.38495
#1	L1.3092	L3.4763	L.58721
#2	L2.1218	L1.7837	L.52849
#3	L1.0383	L-2.1894	L.03915

Method: SED5 Sample Name: AL FOR IEC Operator: MS
Run Time: 08/07/90 14:42:07
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.00459	L.98047	1061.5	L-.09398	L.11734	L.01827	L.00091
#1	L-.00163	L.98262	1062.1	L-.02235	L.11866	L.01679	L.00075
#2	L.00344	L.97733	1060.3	L-.03591	L.11867	L.01901	L.00125

#3	L.01197	L.98148	1062.1	L-.22369	L.11470	L.01901	L.00074

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00010	L.00005	L.00093	L.00324	L.02970	L.00611	-.00006
#1	L.00010	L.00006	L-.00275	L-.00704	L.01929	L.00672	-.00006
#2	L.00008	L.00005	L.00072	L.01121	L.03360	L.00672	-.00006
#3	L.00013	L.00006	L.00483	L.00555	L.03620	L.00490	-.00006

Elem	Malow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00002	L.11512	L.00025	L.00081	L.00371	L.09344	L.00710
#1	.00002	L.11821	L.00025	L.00110	L.00371	L.09372	L.00376
#2	.00002	L.10892	L.00022	L.00094	L.00371	L.09201	L.01227
#3	.00002	L.11821	L.00028	L.00039	L.00371	L.09458	L.00526

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00061	L.01609	L-.05287	L-.16243	L.00052	L.00743	L.00190
#1	L.00059	L.03965	L-.14656	L-.16193	L.00052	L.00672	L.00352
#2	L.00060	L-.01207	L-.03407	L-.19096	L.00052	L.00778	L-.00305
#3	L.00064	L.02068	L.02201	L-.13439	L.00052	L.00778	L.00523

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00079	L.06456	L.00017
#1	L-.00113	L.06209	L.00012
#2	L.00158	L.06143	L.00024
#3	L.00192	L.07015	L.00015

Method: SED5 Sample Name: CU FOR IEC Operator: MS
Run Time: 08/07/90 14:47:04
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	L2.3182	L.01757	L43.985	L35.916	25.392	L.88572	L.13181
#1	L3.3895	L.08201	89.104	L43.048	28.550	L.73810	L.13181
#2	L1.3558	L-.01172	L23.808	L33.496	23.814	L.95953	L.13181
#3	L2.2094	L-.01757	L19.043	L31.203	23.814	L.95953	L.13181

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00936	L.00287	L1.0425	7.1308	9.8819	10132.	-.03126
#1	L.01904	L.00308	L-.30663	10.655	10.315	9573.3	-.03091
#2	L.00839	L.00151	L1.2879	L4.9911	10.055	10391.	-.03143
#3	L.00065	L.00403	L2.1464	L5.7463	9.2752	10431.	-.03143

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

Avge	.00208	L2.8908	L-.00570	L-.42386	L.98823	L.07622	L-1.4917
#1	.00236	L6.4011	L.02469	L-2.5679	L.00001	L.22865	L.08906
#2	.00194	L1.4454	L-.01520	L.68525	L.00001	L.00000	L-4.6532
#3	.00194	L.82597	L-.02659	L.61107	L2.9647	L.00000	L.08906

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.05501	L2.2983	160.90	L-17.048	L.03475	L.99071	L-1.3230
#1	L.05438	L4.8265	164.15	L-53.516	L.20850	L.99071	L-2.9216
#2	L.06201	L5.5160	164.15	L4.1000	L.00000	L.99071	L-1.2679
#3	L.04865	L-3.4475	154.40	L-1.7263	L-.10425	L.99071	L.22050

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.4898	L39.891	L-.03915
#1	L2.3926	L37.745	L.03915
#2	L1.0383	41.501	L-.01957
#3	L1.0383	40.428	L-.13702

Method: SED5 Sample Name: AL FOR IEC Operator: MS
Run Time: 08/07/90 14:49:56
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.00324	L.97417	1060.8	L5.1966	L.10887	L.01808	L.00082
#1	L-.00087	L.97639	1061.7	L5.2676	L.10098	L.01790	L.00082
#2	L.00934	L.97562	1060.8	L5.3699	L.11479	L.01790	L.00082
#3	L.00124	L.97049	1059.8	L4.9524	L.11085	L.01845	L.00082

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00010	L.00005	L.00179	L.00723	L.03337	L.01277	-.00006
#1	L.00008	L.00005	L-.00169	L.00995	L.04659	L.01398	-.00006
#2	L.00008	L.00005	L.00383	L.00524	L.02904	L.01581	-.00006
#3	L.00012	L.00005	L.00322	L.00649	L.02449	L.00851	-.00006

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00002	L.09653	L.00017	L.00073	L.00000	L.09337	L-.00050
#1	.00002	L.09963	L.00013	L.00094	L.00000	L.09375	L-.00145
#2	.00002	L.08724	L.00013	L.00142	L-.00371	L.09375	L.00724
#3	.00002	L.10273	L.00025	L-.00017	L.00371	L.09260	L-.00729

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00057	L.00862	L-1.7552	L-.09495	L.00052	L.00708	L-.00675
#1	L.00057	L.00689	L-1.7593	L-.12084	L.00052	L.00778	L-.00730
#2	L.00057	L-.02413	L-1.7288	L-.11113	L.00052	L.00566	L-.00152
#3	L.00058	L.04309	L-1.7776	L-.05287	L.00052	L.00778	L-.01144

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00226	L.05657	L.00006
#1	L.00260	L.05612	L.00034
#2	L.00192	L.05545	L-.00022
#3	L.00226	L.05814	L.00005

Method: SED5 Sample Name: FE FOR IEC Operator: MS
Run Time: 08/07/90 14:52:24
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-.18870	L.00063	L.11062	L.25982	L.41378	L.00757	L.32385
#1	L-.18787	L.00060	L.12421	L.24135	L.39898	L.00793	L.32410
#2	L-.19043	L.00054	L.07490	L.27765	L.40588	L.00793	L.31792
#3	L-.18782	L.00075	L.13275	L.26045	L.43647	L.00683	L.32953

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00016	L-.00001	L-.01181	L.01982	L-.01019	L-.14105	-.00007
#1	L.00014	L-.00001	L-.01150	L.02852	L-.01452	L-.14835	-.00007
#2	L.00014	L-.00001	L-.00322	L.01311	L-.01712	L-.14652	-.00007
#3	L.00020	L-.00001	L-.02070	L.01782	L.00108	L-.12828	-.00007

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00001	1141.0	L.99255	L.00286	L.00371	L.10213	L-.10620
#1	.00001	1135.1	L.98671	L.00145	L.00000	L.10232	L-.11867
#2	.00001	1137.7	L.98798	L.00094	L.00371	L.10004	L-.12234
#3	.00001	1150.1	L1.0030	L.00619	L.00741	L.10404	L-.07759

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00018	L.00575	L2.4216	L-.38627	L.00174	L.00478	L-.05016
#1	L.00016	L-.02068	L2.3424	L-.38627	L.00156	L.00354	L-.05444
#2	L.00012	L.01896	L2.4033	L-.46719	L.00156	L.00248	L-.05857
#3	L.00026	L.01896	L2.5191	L-.30535	L.00209	L.00831	L-.03748

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.00598	L.13640	L.00033
#1	L.00734	L.13528	L.00000
#2	L.00734	L.13193	L.00005
#3	L.00327	L.14199	L.00093

Method: SED5 Sample Name: AS FOR IEC Operator: MS

Run Time: 08/07/90 14:58:48
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	L5.1560	L.09568	L43.777	10014.	119.07	L.88572	L.39544
#1	L3.0568	L.08201	L33.348	10020.	119.33	L.73810	L.32953
#2	L4.5807	L.08201	L31.304	9920.3	116.96	L.29524	L.52726
#3	7.8306	L.12302	L66.679	10103.	120.91	L1.6238	L.32953

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.03840	L-.00756	69.687	11.196	L1.9937	L-.48639	-.03246
#1	L.03743	L-.00746	68.747	11.280	L1.9937	L-.97277	-.03246
#2	L.03065	L-.00761	69.237	11.910	L3.0339	L-4.6207	-.03246
#3	L.04711	L-.00761	71.077	10.398	L.95352	L4.1343	-.03246

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00108	L27.050	L.19946	L.82653	L1.9764	L1.3719	L-.62339
#1	.00108	L31.180	L.22415	L.54749	L1.4823	L1.6006	L-2.5826
#2	.00108	L24.985	L.19566	L-.52276	L1.4823	L.91461	L-7.5252
#3	.00108	L24.985	L.17856	L2.4549	L2.9647	L1.6006	L8.2376

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.14405	L1.6088	L21.128	L-32.585	L.48651	L3.9629	L.49612
#1	L.14787	L4.8265	L-30.879	L-37.332	L.41701	L3.9629	L-.93711
#2	L.13642	L4.8265	L17.877	L-19.853	L.41701	L3.5383	L-2.5908
#3	L.14787	L-4.8265	76.386	L-40.569	L.62551	L4.3874	5.0163

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L2.0766	L-.62609	L.34254
#1	L2.1218	L-1.4311	L.35232
#2	L2.5281	L-.89442	L.21531
#3	L1.5800	L.44721	L.45998

Method: SED5 Sample Name: CR FOR IEC Operator: MS
Run Time: 08/07/90 15:00:50
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	L-21.845	L.16793	L-75.648	L-19.359	L9.8675	L-2.7310	L.72498
#1	L1.9534	L.08201	L3.4506	L22.798	L5.6574	L.51667	L.52726
#2	L-39.804	L.21674	L47.686	L-151.05	12.762	L-5.0191	L.92270
#3	L-27.683	L.20503	L-278.08	70.176	11.183	L-3.6905	L.72498

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh

Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.10616	L-.00048	L-1.2265	L-3.6683	9861.1	L-12.646	-.03134
#1	L.07809	L.00041	L.79724	10.769	10402.	L.48639	-.03143
#2	L.12455	L-.00038	L-3.3116	L-40.340	10192.	9.9709	-.03117
#3	L.11584	L-.00148	L-1.1652	18.566	8989.6	L-48.396	-.03143

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00201	L36.135	L.62307	L-6.2061	L6.9175	L2.9344	L-2.3600
#1	.00194	L29.941	L.50909	L.68525	L4.4470	L2.0579	L4.0298
#2	.00215	L44.808	L.75984	L4.8179	L7.4116	L3.5441	L3.4286
#3	.00194	L33.658	L.60028	L-24.121	L8.8940	L3.2011	L-14.538

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.15550	L-10.802	L-169.02	L-9.9264	L1.1815	L11.606	L-36.713
#1	L.11925	L-3.4475	L-26.004	L-19.853	L.62551	L8.6334	L-30.870
#2	L.18031	L-15.858	L-264.91	L24.169	L1.4595	L13.304	L-20.617
#3	L.16695	L-13.100	L-216.15	L-34.095	L1.4595	L12.879	L-58.652

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L-3.9727	L6.8870	L.92975
#1	L.63202	L6.0821	L.60678
#2	L-16.297	L8.2287	L1.0961
#3	L3.7470	L6.3504	L1.0863

Method: SED5 Tue 08-07-90 03:09:31 PM page 1

Element: Zn Wavelength: 213.800

Element Name:	Znlow				
Timing Group No.:	1	BKG Mtd (-):	SpecShift	Stdzn Method:	2-pt Uncal
Line Switch Conc:	0	High Offset:	0	High Std Name:	ten2
Peak SS Offset:	0	Low Offset:	0	Conc:	10000
Print Limit High:	20000	Signif Figs:	5	Low Std Name:	blnk
Print Limit Low:	0	Print Units:	ug/L	Conc:	0

Standardization Coefficients :
C = m(IR) + b (2-pt un-calibrated)

Y-intercept (b): -79.7824
Slope (m): 670.816

Date Stdized: 08/07/90 02:29

Calibration Coefficients :
(S)IR = A0 + A1*C^n + A2*C^2n

Offset (A0): 0
Gain (A1): 1
Curvature (A2): 0
Exponent (n): 1

Max Inflection : NONE

Date of Fit: *** NO FIT ***

Use IECs ? Yes

#	Affecting Element Name	k1 Factor	k2 Factor	Use?
01	Cu	.0039891	0	Yes
02	Fehigh	.1364	0	Yes
03	Ni	0	0	No

Method: SED5 Sample Name: FIRST INSTRUMENT Operator: MS
Run Time: 08/07/90 15:10:43
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	L3.3259	L.07420	L7.2804	L41.463	L6.6250	L.29524	L.26309
#1	L3.7761	L.07615	L12.946	L28.084	L7.9470	L.29524	L.26801
#2	L.37863	L.06444	L-2.6963	L25.085	L7.9423	L.07381	L.26432
#3	L5.8228	L.08201	L11.592	71.220	L3.9858	L.51667	L.25694

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.04066	L.00169	L3.2500	7.6723	L5.6365	L-1.4302	-.02695
#1	L.03743	L.00151	L3.0568	L5.6171	L3.0359	L-3.1347	-.02729
#2	L.03743	L.00175	L.74746	L4.6095	11.878	L-2.4035	-.02678
#3	L.04711	L.00182	L5.9456	12.790	L1.9960	L1.2476	-.02678

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00565	L14.248	L.20516	L.38501	L2.4706	L1.2747	L1.6248
#1	.00536	L15.074	L.18996	L.61107	L2.9647	L1.1239	L-.69227
#2	.00579	L13.835	L.20136	L-.63933	L2.9647	L1.1227	L-.95823
#3	.00579	L13.835	L.22415	L1.1833	L1.4823	L1.5777	L6.5249

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.04197	L-.68950	L62.780	L-11.135	L.55601	L3.5383	L.47198
#1	L.04007	L4.8265	L41.713	L-4.2352	L.62551	L3.1137	L.57192
#2	L.03720	L-14.479	70.948	L11.305	L.41701	L3.5383	L-.22192
#3	L.04865	L7.5845	75.679	L-40.474	L.62551	L3.9629	L1.0659

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.7155	L3.3318	L.31970
#1	L1.5800	L3.3854	L.32296
#2	L1.3092	L2.8443	L.30339
#3	L2.2572	L3.7657	L.33275

Method: SED5 Sample Name: AQC FIRST Operator: MS
Run Time: 08/07/90 15:13:05
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	Q-70.205	5.7577	Q6212.5	5017.0	5047.7	Q6400.4	5065.7
#1	Q-70.916	5.7440	Q6253.3	4992.7	5031.8	Q6428.0	5049.3
#2	Q-73.279	5.7031	Q6218.6	5009.3	5035.7	Q6408.7	5050.1

#3	Q-66.419	5.8260	Q6165.7	5049.1	5075.8	Q6364.4	5097.8

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.1832	5.0760	4947.6	5019.2	4924.8	5059.6	6.0241
#1	5.1080	5.0861	4894.9	4982.4	4872.3	5085.2	5.9831
#2	5.1341	5.0817	4919.1	4978.8	4914.2	5058.9	5.9979
#3	5.3074	5.0600	5028.7	5096.5	4988.0	5034.9	6.0912

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0123	Q6122.6	6.8747	.73823	5029.0	4991.4	4889.8
#1	4.9784	Q6079.6	6.7322	.48391	5184.4	4968.5	4868.0
#2	4.9907	Q6093.3	6.8006	.51570	4962.1	4966.3	4854.0
#3	5.0677	Q6194.8	7.0912	1.2151	4940.6	5039.3	4947.4

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.07091	4967.1	4957.7	4890.7	5114.6	Q6302.8	4867.9
#1	.05438	4887.2	4921.9	4798.5	5129.8	Q6296.4	4847.5
#2	.05819	4952.7	4858.8	4787.5	5122.6	Q6292.6	4849.0
#3	.10017	5061.6	5092.3	5086.0	5091.3	Q6319.4	4907.3

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5059.7	4972.6	5.1413
#1	5051.4	4944.0	4.9130
#2	5067.8	4945.8	4.9326
#3	5059.7	5028.1	5.5785

Method: SED5 Sample Name: AG FIRST Operator: MS
Run Time: 08/07/90 15:15:11
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	52.708	.43543	Q432.58	Q55.252	Q28.204	Q1.7345	Q1.2529
#1	52.053	.45105	Q436.66	Q79.980	Q32.371	Q1.8453	Q1.4174
#2	51.356	.45105	Q424.42	Q42.553	Q26.874	Q1.6238	Q1.4396
#3	54.715	.40419	Q436.64	Q43.223	Q25.366	Q1.7345	Q.90178

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.06195	Q.01132	Q1.7842	Q8.1733	Q7.5435	Q.15000	-.02462
#1	.07034	Q.01174	Q-.24713	Q8.5067	Q10.839	Q.16447	-.02419
#2	.07034	Q.01126	Q3.5085	Q3.0951	Q-.08428	Q1.9788	-.02419
#3	.04517	Q.01095	Q2.0913	Q12.918	Q11.876	Q-1.6932	-.02549

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

Avge	.00758	Q20.236	.20136	.05298	Q3.7058	Q2.7233	Q-.51295
#1	.00793	Q22.507	.30394	.57928	Q5.1881	Q3.3988	Q3.6613
#2	.00793	Q23.746	.23555	.11303	Q2.9647	Q2.7198	Q-1.7561
#3	.00686	Q14.454	.06459	-.53336	Q2.9647	Q2.0513	Q-3.4440

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.06296	Q5.9756	Q39.376	Q-15.418	Q1.5290	Q5.0951	Q2.2428
#1	.07918	Q11.032	Q21.223	Q-27.461	Q1.8765	Q6.5104	Q3.7484
#2	.07441	Q-6.2055	Q55.489	Q-.29777	Q1.6680	Q6.0858	Q2.3819
#3	.03530	Q13.100	Q41.417	Q-18.495	Q1.0425	Q2.6891	Q.59808

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q2.3926	Q10.124	.39147
#1	Q2.1218	Q12.211	.54806
#2	Q2.3926	Q11.140	.45019
#3	Q2.6635	Q7.0192	.17616

Method: SED5 Standard: blnk

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.00553	.12047	.01287	-.02227	.08380	.00063	.02573
#1	-.00520	.12140	.02160	-.01740	.08600	.00040	.02600
#2	-.00780	.11960	.00460	-.01700	.08220	.00020	.02560
#3	-.00360	.12040	.01240	-.03240	.08320	.00130	.02560

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.32693	.06933	.00347	-.00227	-.00280	.00240	.01547
#1	.32920	.06920	.00580	-.00600	-.00320	.00480	.01560
#2	.32480	.06960	-.00060	-.00360	.00100	.00000	.01560
#3	.32680	.06920	.00520	.00280	-.00620	.00240	.01520

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	.01547	.13387	.26147	.00207	.03640	.07640	.01507
#1	.01560	.13520	.26240	.02060	.03680	.07720	.01560
#2	.01560	.13200	.26040	-.02380	.03600	.07640	.01440
#3	.01520	.13440	.26160	.00940	.03640	.07560	.01520

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.28920	.00057	.00303	.00280	.03873	.13653	.00300
#1	.28960	.00120	.00440	.01060	.03900	.13760	.00660
#2	.28920	.00050	.00060	-.00800	.03840	.13560	-.00540
#3	.28880	.00000	.00410	.00580	.03880	.13640	.00780

Elem	Y	Znlow	Znhigh
Avge	-.00047	.11940	.33973
#1	-.00160	.12040	.34320
#2	-.00040	.11900	.33840
#3	.00060	.11880	.33760

Method: SED5 Standard: ten3

Elem	Ag	Alhigh	Allow	As	B	Ba	Be
Avge	-.01267	.50313	3.7652	-.01227	.62373	11.702	.03480
#1	-.01280	.50340	3.7532	.00140	.62200	11.715	.03480
#2	-.01180	.50580	3.7860	-.01940	.62440	11.747	.03480
#3	-.01340	.50020	3.7564	-.01880	.62480	11.645	.03480

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Avge	.34800	.05353	.00323	.03067	.00007	.00287	42.028
#1	.34960	.05360	.00410	.03520	.00520	.00280	41.955
#2	.34680	.05360	.00240	.02680	-.00300	.00360	42.150
#3	.34760	.05340	.00320	.03000	-.00200	.00220	41.978

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Avge	42.028	4.1469	.63280	-.01760	.03653	.08713	-.00860
#1	41.955	4.1462	.63200	-.02060	.03660	.08700	-.00420
#2	42.150	4.1556	.63240	-.01540	.03640	.08720	-.01360
#3	41.978	4.1390	.63400	-.01680	.03660	.08720	-.00800

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Avge	.47587	-.00017	.00047	.00547	.03840	12.045	.00387
#1	.47320	-.00040	.00160	.00920	.03840	12.036	.00500
#2	.47900	.00050	-.00040	.00320	.03840	12.084	.00300
#3	.47540	-.00060	.00020	.00400	.03840	12.013	.00360

Elem	Y	Znlow	Znhigh
Avge	-.00127	.12427	.33460
#1	-.00080	.12560	.33460
#2	-.00100	.12320	.33480
#3	-.00200	.12400	.33440

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Method: SED5

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ba	493.400	ten3	blnk	854.572	-.541229	08/07/90 03:19:21
Ti	334.900	ten3	blnk	839.767	-114.656	08/07/90 03:19:21
Felow	259.900	ten3	blnk	2491.86	-333.577	08/07/90 03:19:21
Allow	396.100	ten3	blnk	2665.01	-34.2898	08/07/90 03:19:21
Mghigh	279.553	ten3	blnk	1.36909	-.017045	08/07/90 03:19:21

Method: SED5 Sample Name: AQC FIRST Operator: MS
Run Time: 08/07/90 15:21:26
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	Q-73.179	5.8474	4867.4	5087.1	5069.0	4929.7	5098.4
#1	Q-73.794	5.8611	4909.0	5056.6	5086.9	4955.3	5116.7
#2	Q-74.314	5.8377	4859.9	5048.7	5045.9	4931.5	5067.1
#3	Q-71.429	5.8435	4833.3	5156.0	5074.2	4902.3	5111.5

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2645	5.0857	4999.3	5065.3	4974.5	5064.5	4.9531
#1	5.2803	5.1080	5018.7	5068.8	4965.1	5094.3	4.9631
#2	5.1728	5.0829	4945.2	5012.4	4940.4	5063.7	4.9164
#3	5.3403	5.0662	5033.9	5114.7	5017.9	5035.6	4.9798

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0523	4953.5	6.9962	-.93603	5102.7	5023.9	4922.0
#1	5.0624	4962.6	7.0171	-.43799	5186.6	5029.9	4936.3
#2	5.0150	4907.8	6.8690	-1.8261	5115.5	4983.0	4893.2
#3	5.0793	4990.0	7.1026	-.54396	5005.8	5058.9	4936.3

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.08204	5020.2	5003.4	4931.7	5115.6	4996.7	4887.4
#1	.08013	5042.3	5040.3	4914.5	5138.5	5012.8	4905.9
#2	.05247	4980.2	4858.3	4916.4	5114.2	4976.7	4858.5
#3	.11353	5038.2	5111.7	4964.3	5094.1	5000.7	4897.7

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5070.3	5026.9	5.3240
#1	5084.8	5047.9	5.4219
#2	5060.1	4973.0	5.0500
#3	5066.1	5059.7	5.5002

Method: SED5 Sample Name: HIGH FIRST Operator: MS
Run Time: 08/07/90 15:23:31
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	Q-3.9933	104.04	Q99229.	Q40.503	Q35.882	Q3.7601	Q3.
#1	Q-1.9261	104.08	Q99266.	Q46.576	Q48.233	Q4.5862	
#2	Q-2.5354	104.08	Q98969.	Q58.785	Q33.815	Q3.5607	

#3	Q-7.5183	103.96	Q99452.	Q16.149	Q25.598	Q3.1334	Q2.5444

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	105.74	Q78.986	Q3.5983	Q9.4275	Q12.047	Q-1.2007	105.30
#1	107.27	Q78.991	Q4.6345	Q9.2562	Q12.667	Q4.0912	106.57
#2	105.80	Q78.963	Q3.3063	Q7.7492	Q10.052	Q-1.9431	105.30
#3	104.14	Q79.005	Q2.8542	Q11.277	Q13.421	Q-5.7502	104.03

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	109.02	Q96649.	101.83	102.14	Q12.847	Q20.849	Q5.3824
#1	110.40	Q97583.	103.14	103.18	Q14.823	Q21.935	Q13.581
#2	109.02	Q96456.	101.74	101.94	Q13.341	Q20.934	Q9.3579
#3	107.65	Q95908.	100.61	101.32	Q10.376	Q19.678	Q-6.7919

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	107.40	Q4.3668	Q-370.69	Q-6.8914	Q6.1161	Q7.8938	Q1.2384
#1	107.37	Q-2.0685	Q-375.65	Q18.219	Q6.8806	Q10.133	Q3.6216
#2	106.99	Q10.342	Q-357.53	Q-18.576	Q5.8381	Q7.9498	Q2.2187
#3	107.84	Q4.8265	Q-378.90	Q-20.318	Q5.6296	Q5.5984	Q-2.1252

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q10317.	Q99449.	103.65
#1	Q10341.	Q100450.	104.80
#2	Q10298.	Q99393.	103.26
#3	Q10311.	Q98509.	102.90

Method: SED5 Sample Name: OI10R01 Operator: MS
Run Time: 08/07/90 15:26:09
Comment: PE7263
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	54.072	L.33975	273.74	69.006	L2.9491	972.70	L.42177
#1	50.824	L.31632	263.33	71.686	L2.8356	972.99	L.37001
#2	58.514	L.34561	285.89	65.004	L-.77091	970.08	L.52529
#3	52.879	L.35733	271.98	70.327	L6.7826	975.04	L.37001

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L19.571	19.806	16.888	306.94	L1.6586	30.682	-.01455
#1	L19.420	19.827	21.284	302.67	L.44459	27.635	-.01074
#2	L19.688	19.755	15.813	309.08	L7.4673	32.396	-.01498
#3	L19.605	19.835	13.567	309.08	L-2.9361	32.013	-.01794

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

Avge	.01908	963.69	L1.1398	22.829	L4.4470	L1.1412	L4.1953
#1	.02293	963.19	L1.0961	20.861	L4.4470	L.80267	L-2.3326
#2	.01865	963.19	L1.2271	24.379	L4.4470	L1.2466	L9.9710
#3	.01565	964.68	L1.0961	23.245	L4.4470	L1.3743	L4.9477

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	10.052	L8.0441	L-.59961	L-5.5696	10.773	L1.1757	L2.1029
#1	9.9787	L10.342	L-78.414	L-27.168	10.634	L.22394	L-2.0381
#2	10.112	L13.100	L67.410	L-10.283	10.842	L1.3996	L4.9399
#3	10.065	L.68950	L9.2053	L20.742	10.842	L1.9035	L3.4068

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L2.4829	90.416	L.39147
#1	L2.1218	93.028	L.26424
#2	L3.4761	90.308	L.50891
#3	L1.8509	87.913	L.40126

Method: SED5 Sample Name: OI10S01 Operator: MS
Run Time: 08/07/90 15:28:20
Comment: PE7263
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-.61460	L-.00391	L-28.413	L28.155	L-2.2563	L.31334	L.11643
#1	L-2.5274	L.01757	L-28.940	L23.445	L-1.4881	L.48426	L.09982
#2	L-.33715	L-.01172	L-36.944	L32.395	L-4.6292	L.31334	L.11274
#3	L1.0207	L-.01757	L-19.357	L28.624	L-.65154	L.14243	L.13673

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.02065	L.00854	L1.1740	6.2948	L3.3811	L-2.9116	-.02852
#1	L.03065	L.01126	L-2.0633	7.7616	L2.5148	L-1.6884	-.02809
#2	L.01710	L.00875	L1.6761	L4.3656	L3.5546	L-3.1532	-.02852
#3	L.01420	L.00560	L3.9092	6.7571	L4.0740	L-3.8932	-.02894

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.00493	L-5.1498	L.04749	L-.05652	L.98823	L.37624	L2.0088
#1	.00536	L-3.6547	L.09878	L-.26845	L2.9647	L.67587	L.09955
#2	.00493	L-6.6449	L.05889	L-.42740	L1.4823	L.22264	L5.4386
#3	.00451	L-5.1498	L-.01520	L.52630	L-1.4823	L.23020	L.48819

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.02957	L9.4231	L-9.8126	L-6.2400	L.27800	L-.95173	L-.09545
#1	L.04674	L6.8950	L-21.371	L1.5504	L.41701	L.05599	L.73080
#2	L.01813	L13.100	L-6.5722	L-12.063	L.20850	L-1.4556	L-2.7402
#3	L.02385	L8.2740	L-1.4949	L-8.2076	L.20850	L-1.4556	L1.7230

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L.85774	L5.6400	L.11744
#1	L1.0383	L7.4170	L.19574
#2	L.49658	L4.2083	L.05872
#3	L1.0383	L5.2947	L.09787

Method: SED5 Sample Name: OI10S02 Operator: MS
Run Time: 08/07/90 15:30:49
Comment: PE7263
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	18.332	L.75563	617.08	78.363	L1.8546	L.51274	25.932
#1	12.271	L.66192	608.54	65.407	L-3.3169	L-.19940	25.707
#2	19.656	L.79078	617.09	72.680	L6.8157	L.56971	26.001
#3	23.067	L.81421	625.63	97.003	L2.0651	L1.1679	26.088

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.07163	L.01640	L2.2449	6.5414	27.835	L-2.1801	19.561
#1	L.03937	L.01661	L1.4536	L1.0918	29.826	L-5.6159	19.374
#2	L.08196	L.01646	L3.8597	7.6302	28.009	L-1.5590	19.627
#3	L.09358	L.01614	L1.4215	10.902	25.669	L.63456	19.683

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	19.887	486.41	L.92321	L-.59694	L3.9529	67.168	L-1.2601
#1	19.696	473.79	L.70285	L-1.7838	L.00001	65.094	L-4.3781
#2	19.954	489.73	L1.0163	L-.62873	L5.9293	68.492	L4.9392
#3	20.011	495.71	L1.0505	L.62167	L5.9293	67.917	L-4.3412

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.07123	203.63	L20.039	L-22.014	L.69501	L2.2954	150.36
#1	L.02862	202.71	L-60.469	L-40.234	L.20850	L-.61582	145.07
#2	L.07918	204.78	L67.686	L-10.322	L.83401	L3.5830	151.86
#3	L.10589	203.40	L52.900	L-15.486	L1.0425	L3.9189	154.16

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.0383	L14.909	L.55459
#1	L-.31601	L12.717	L.09787
#2	L1.3092	L15.609	L.74380
#3	L2.1218	L16.401	L.82209

Method: SED5 Sample Name: SECOND INSTRUMENT Operator: MS

Run Time: 08/07/90 15:33:07
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	L1.6944	L-.01562	L-13.855	L27.846	L1.4472	L-.14243	L.13181
#1	L-1.7096	L-.00586	L-18.832	L-15.764	L3.2860	L-.37031	L.12935
#2	L5.0995	L-.02929	L-9.7626	58.485	L-.65626	L.31334	L.13304
#3	L1.6934	L-.01172	L-12.971	L40.817	L1.7119	L-.37031	L.13304

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00484	L.00591	L1.7480	L5.8774	L2.7739	L-1.7024	-.01244
#1	L.00161	L.00576	L.53923	L3.4862	L5.6345	L-3.1604	-.01244
#2	L.01420	L.00591	L3.2106	7.3875	L-1.3870	L-.97331	-.01201
#3	L-.00129	L.00607	L1.4940	6.7587	L4.0741	L-.97331	-.01286

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.02122	L-5.6482	L.00000	L.33556	L.00001	L.11433	L-1.6475
#1	.02122	L-7.6417	L.00760	L-.20487	L.00001	L.22788	L-6.1886
#2	.02165	L-4.6515	L-.00380	L.74883	L.00001	L.11472	L-.57926
#3	.02079	L-4.6515	L-.00380	L.46272	L.00001	L.00039	L1.8252

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00191	L3.9071	L-18.635	L-2.3752	L.00000	L-2.3513	L-1.1474
#1	L.01431	L1.3790	L-79.593	L16.403	L.00000	L-2.4633	L-3.8928
#2	L-.00763	L4.8265	88.651	L-6.2622	L.00000	L-2.1274	L1.7036
#3	L-.00095	L5.5160	L-64.964	L-17.266	L.00000	L-2.4633	L-1.2531

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	L1.3543	L.00679	L-.02610
#1	L1.0383	L.19045	L-.05872
#2	L1.5800	L-.08504	L-.03915
#3	L1.4446	L-.08504	L.01957

Method: SED5 Sample Name: AQC SECOND Operator: MS
Run Time: 08/07/90 15:35:12
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	Q-70.894	5.9079	4884.3	5142.9	5079.2	4920.0	5128.1
#1	Q-68.998	5.8728	4891.4	5157.3	5075.8	4901.5	5117.6
#2	Q-72.980	5.9313	4887.2	5137.2	5088.0	4927.4	5145.8
#3	Q-70.702	5.9196	4874.3	5134.2	5073.8	4931.0	5120.9

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh

Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.3477	5.0854	5040.4	5115.8	5047.1	5065.0	4.9955
#1	5.3597	5.0677	5038.6	5112.1	5043.4	5059.7	4.9854
#2	5.4023	5.0947	5063.3	5143.0	5084.2	5072.1	5.0203
#3	5.2813	5.0938	5019.3	5092.2	5013.5	5063.3	4.9809

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	5.0953	5005.8	7.1292	1.0420	5098.2	5062.6	4964.1
#1	5.0850	5001.5	7.1311	2.8364	5109.6	5061.9	4959.4
#2	5.1204	5026.9	7.1254	.26138	5127.4	5085.0	5004.9
#3	5.0804	4989.0	7.1311	.02826	5057.7	5041.1	4927.9

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.11766	5051.0	5059.9	4995.4	5115.5	5011.5	4922.9
#1	.12688	5020.2	5033.2	4934.6	5096.2	5002.4	4913.6
#2	.13547	5065.7	5069.5	5036.2	5127.1	5025.6	4943.7
#3	.09063	5067.1	5077.0	5015.5	5123.3	5006.6	4911.2

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	5081.1	5056.7	5.5720
#1	5065.5	5055.1	5.6176
#2	5092.5	5075.7	5.6372
#3	5085.2	5039.4	5.4610

Method: SED5 Sample Name: AG SECOND Operator: MS
Run Time: 08/07/90 15:37:53
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	52.139	.22065	Q138.26	Q56.635	Q33.354	Q4.2444	Q4.6289
#1	49.275	.17574	Q138.96	Q22.262	Q31.305	Q3.3898	Q3.6846
#2	51.690	.22846	Q129.91	Q59.387	Q33.997	Q4.0735	Q4.6179
#3	Q55.450	.25775	Q145.91	Q88.256	Q34.758	Q5.2699	Q5.5843

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.05001	Q.01504	Q7.6205	Q13.377	Q12.657	Q3.7915	-.02146
#1	.03549	Q.01441	Q3.7087	Q6.4996	Q16.817	Q4.8666	-.02217
#2	.05098	Q.01488	Q9.5846	Q10.775	Q11.878	Q2.3371	-.02175
#3	.06357	Q.01583	Q9.5682	Q22.856	Q9.2778	Q4.1707	-.02048

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	.01208	Q9.6352	.15577	.28611	Q7.4116	Q5.6242	Q5.2486
#1	.01136	Q1.3290	.01900	.90777	Q5.9293	Q4.1138	Q6.7702

#2	.01179	Q15.283	.18996	-.44859	Q5.9293	Q5.9256	Q8.9925
#3	.01308	Q12.293	.25835	.39914	Q10.376	Q6.8332	Q-.01709

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.04865	Q5.9756	Q-4.0759	Q-19.772	Q5.0736	Q4.3668	Q4.2437
#1	.02957	Q3.4475	Q-36.188	Q-32.776	Q4.1700	Q2.2394	Q2.4330
#2	.04865	Q6.8950	Q2.3518	Q-2.9260	Q5.0041	Q4.9266	Q3.5811
#3	.06773	Q7.5845	Q21.608	Q-23.613	Q6.0466	Q5.9344	Q6.7171

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L
Avge	Q5.6430	Q11.278	.31970
#1	Q4.0178	Q8.7433	.05872
#2	Q5.6430	Q11.279	.45019
#3	Q7.2682	Q13.812	.45019

Method: SED5 Sample Name: HIGH SECOND Operator: MS
Run Time: 08/07/90 15:39:46
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	Q.84779	101.45	Q96689.	Q59.903	Q18.795	Q1.3103	Q1.3055
#1	Q.37907	101.71	Q96858.	Q43.923	Q19.128	Q1.3388	Q1.1625
#2	Q1.5065	101.79	Q96835.	Q107.92	Q18.833	Q1.0825	Q1.8216
#3	Q.65781	100.84	Q96374.	Q27.867	Q18.424	Q1.5097	Q.93237

Elem	Cahigh	Calow	Cd	Co	Cr	Cu	Mghigh
Units	Mg/L	Mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	102.99	Q78.339	Q1.4293	Q7.9633	Q13.407	Q.62365	102.35
#1	102.72	Q78.292	Q.92539	Q4.6076	Q4.0436	Q5.7069	102.17
#2	104.00	Q78.461	Q1.8370	Q10.269	Q15.493	Q-2.2180	103.09
#3	102.25	Q78.264	Q1.5255	Q9.0132	Q20.685	Q-1.6179	101.80

Elem	Mglow	Felow	Fehigh	K	Li	Mn	Mo
Units	mg/L	ug/L	Mg/L	Mg/L	ug/L	ug/L	ug/L
Avge	105.84	Q94118.	99.251	100.26	Q10.376	Q18.064	Q7.2454
#1	105.65	Q94116.	99.082	101.11	Q8.8940	Q18.005	Q18.426
#2	106.64	Q94350.	99.794	99.859	Q13.341	Q18.390	Q-.19987
#3	105.25	Q93888.	98.876	99.806	Q8.8940	Q17.797	Q3.5098

Elem	Na	Ni	Pb	Sn	Sr	Ti	V
Units	Mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	104.13	Q5.9756	Q-350.15	Q-6.8413	Q3.8225	Q5.2066	Q3.6495
#1	104.21	Q11.032	Q-332.41	Q3.4766	Q3.7530	Q4.7587	Q9.3396
#2	104.61	Q13.100	Q-343.89	Q-15.662	Q3.9615	Q6.2703	Q-.00890
#3	103.57	Q-6.2055	Q-374.15	Q-8.3381	Q3.7530	Q4.5907	Q1.6179

Elem	Y	Znlow	Znhigh
Units	ug/L	ug/L	Mg/L

Avge	Q10062.	Q96787.	100.55
#1	Q10065.	Q96740.	100.69
#2	Q10080.	Q97320.	100.85
#3	Q10042.	Q96300.	100.10

Gmr & 130

Run 813P

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: SEP 19 1990

SUBJECT: Review of Region 5 data for Aligned Fiber Corp.

FROM: Curtis Ross, Director
Region 5 Central Regional Laboratory

To: Data User:

Attached are the results for:

CRL Data Set Numbers: SF 7253
Sample Numbers: 90FM18 S98, S99, D98, 90FM02 R84
Parameter(s): ICP
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 James Adams the Quality Control Coordinator, at 353-9604

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

SEP 19 1990

RECEIVED BY/DATE: Cathy Kouris 9/28/90

U.S. EPA CENTRAL REGIONAL LAB

Comments:

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION 5
CHICAGO, ILLINOIS

DATE: SEP 19 1990

SUBJECT: Review of Region 5 data for Aligned Fiber Corp.

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 7253
Sample Numbers: 90FM18 S98, S99, D98, 90FM02R84
Parameter(s): As, Cd, Pb, Sb, Se, Tl
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:

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

TRANSFERRED BY
SEP 18 1990
U.S. EPA CENTRAL REGIONAL LAB

RECEIVED BY/DATE: Cathy Kouris 9/20/90
Comments: