

DATA PACKAGE FOR METALS

PART III

**PROJECT NAME: 29 NEW YORK AVENUE
PROJECT # 970096**

**GCI
1092 MOTOR PARKWAY
HAUPPAUGE, NY 11788
631-851-1600**

**CHEMTECH PROJECT #
ATTENTION**

**L9851ASP
MATT BOECKEL**

**PART I VOLATILE ORGANICS
PART II SEMIVOLATILE ORGANICS
PART III METALS
PART IV GENERAL CHEMISTRY**

CASE NARRATIVE**GCI****Project Name: 29 New York Avenue****Project # 970096****Chemtech Project # L9851ASP****A. Number of Samples and Date of Receipt**

2 Soil Samples were delivered to the laboratory intact on 08/18/00.

B. Parameters

Test requested on the Chain of Custody were Volatile Organics, Semivolatile Organics, Metals & General Chemistry. This data package contains results for Metals.

C. Analytical Techniques:

The analysis of Metals is based on Method 6010 and Mercury by Method 7471.

D. QA/ QC Samples

Calibrations met requirements. Blank analyses did not indicate the presence of contamination. Spike Sample recoveries were within QC limits. Serial Dilutions met requirements. Duplicate analyses and RPDs met QC requirements. Holding Times were met.

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature Mildred V. Reyes Name_ Mildred V. ReyesDate 8/31/00 Title QA/QC

001

~~13758~~

COVER PAGE

Lab Name: Chemtech Consulting Group
Lab Code: CHEM Project No.: L9851ASP

Client: GCI, INC.
Project Name: 29 NY AVENUE

Client Sample No.
DW-1 (INVERT)
DW-1 (1' BELOW INVERT)

Lab Sample ID
32827
32828

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designed, as verified by the following signature.

Signature: Mildred V. Reyes Name: MILDRED V. REYES

Date : 8/31/00 Title: QA/QC
Since 1967

002

DATA REPORTING QUALIFIERS - - INORGANIC

For reporting results, the following "Results Qualifiers" are used:

- B - If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- U - If the analyte was analyzed for, but not detected.
- E - The reported value is estimated because of the presence of interference.
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.
- *** - Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

M (Method) qualifier

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for flame AA when Microwave Digestion is used
- "FM" for furnace AA when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for automated Cold Vapor AA
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- "NR" if the analyte is not required to be analyzed

METALS RESULTS

METALS

SAMPLE DATA

NYSDEC SAMPLE #
INORGANIC ANALYSIS DATA SHEET

DW-1 (INVERT)

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Matrix (soil/water): SOIL

Lab Sample ID: 32827S

Level (low/med): LOW

Date Received: 08/18/00

Solids: 95.4

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.1			P
7439-92-1	Lead	1.7			P
7440-39-3	Barium	6.8	B		P
7440-43-9	Cadmium	0.14	B		P
7439-97-6	Mercury	0.03	B		CV
7782-49-2	Selenium	0.23	U		P
7440-22-4	Silver	0.13	U		P
7440-47-3	Chromium	4.9			P

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

NYSDEC SAMPLE #
INORGANIC ANALYSIS DATA SHEET

DW-1 (1' BELOW INVERT)

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Matrix (soil/water): SOIL

Lab Sample ID: 32828S

Level (low/med): LOW

Date Received: 08/18/00

Solids: 95.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.5	-		P
7439-92-1	Lead	1.7			P
7440-39-3	Barium	13.0	B		P
7440-43-9	Cadmium	0.13	B		P
7439-97-6	Mercury	0.02	B		CV
7782-49-2	Selenium	0.22	U		P
7440-22-4	Silver	0.18	B		P
7440-47-3	Chromium	7.2			P

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After:

Artifacts:

Comments:

METALS CALIBRATIONS DATA

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	2000.0	2045.84	102.3	2500.0	2472.66	98.9	2513.24	100.5	P
Lead	2000.0	2001.32	100.1	2500.0	2431.66	97.3	2427.90	97.1	P
Barium	4000.0	4138.49	103.5	5000.0	5016.19	100.3	5017.82	100.4	P
Cadmium	1000.0	1016.18	101.6	1250.0	1228.32	98.3	1240.30	99.2	P
Mercury	4.1	3.85	93.9	5.0	4.86	97.2	4.94	98.8	CV
Selenium	2000.0	2046.64	102.3	2500.0	2418.66	96.7	2452.96	98.1	P
Silver	500.0	503.34	100.7	625.0	597.49	95.6	587.90	94.1	P
Chromium	400.0	404.26	101.1	500.0	476.88	95.4	469.05	93.8	P

1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				2500.0	2466.44	98.7	2526.95	101.1	P
Lead				2500.0	2489.07	99.6	2539.65	101.6	P
Barium				5000.0	5057.07	101.1	5327.02	106.5	P
Cadmium				1250.0	1246.30	99.7	1285.42	102.8	P
Mercury									NR
Selenium				2500.0	2422.80	96.9	2519.56	100.8	P
Silver				625.0	620.47	99.3	617.74	98.8	P
Chromium				500.0	496.70	99.3	508.44	101.7	P

.) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				2500.0	2617.84	104.7	2629.30	105.2	P
Lead				2500.0	2595.60	103.8	2544.82	101.8	P
Barium				5000.0	5447.06	108.9	5195.60	103.9	P
Cadmium				1250.0	1343.58	107.5	1337.47	107.0	P
Mercury									NR
Selenium				2500.0	2528.82	101.2	2489.66	99.6	P
Silver				625.0	619.87	99.2	573.31	91.7	P
Chromium				500.0	517.72	103.5	482.62	96.5	P

1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC - ASP

2B
CRDL STANDARD FOR AA AND ICP

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

CRDL Standard Source: INOR-VEN

CP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Arsenic				20.0	24.50	122.5	22.76	113.8
Lead				6.0	6.04	100.7	5.84	97.3
Barium				10.0	10.58	105.8	12.28	122.8
Cadmium								
Mercury	0.2	0.24	120.0	10.0	10.90	109.0	11.76	117.6
Selenium				20.0	19.15	95.8	19.12	95.6
Silver				20.0	20.12	100.6	20.32	101.6
Chromium								

NYSDEC - ASP

3

BLANKS

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Arsenic	2.7	U	4.3	B	2.7	U	2.7	U	0.414	B	P
Lead	2.5	U	2.5	U	2.5	U	2.5	U	0.250	U	P
Barium	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Cadmium	0.8	U	0.8	U	0.8	U	0.8	B	0.085	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Selenium	2.2	U	2.2	U	2.3	B	2.2	U	0.220	U	P
Silver	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Chromium	2.0	U	2.0	U	2.0	U	2.0	U	0.200	U	P

NYSDEC - ASP

3

BLANKS

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Arsenic			2.7	U	2.7	U	2.7	U			P
Lead			2.5	U	2.5	U	-2.6	B			P
Barium			1.3	B	1.2	U	1.2	U			P
Cadmium			1.4	B	0.9	B	0.8	B			P
Mercury											NR
Selenium			3.1	B	2.2	U	2.2	U			P
Silver			1.3	U	1.3	U	1.3	U			P
Chromium			2.0	U	2.0	U	2.0	U			P

017

NYSDEC - ASP

3

BLANKS

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Arsenic			2.7	U	2.7	U	2.7	U			P
Lead			2.5	U	2.5	U	2.5	U			P
Barium			1.9	B	1.2	U	1.2	U			P
Cadmium			0.8	U	0.8	U	0.8	U			P
Mercury											NR
Selenium			3.6	B	2.2	U	2.2	U			P
Silver			1.3	U	1.3	U	1.3	U			P
Chromium			2.0	U	2.0	U	2.0	U			P

018

NYSDEC - ASP

3

BLANKS

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

eparation Blank Matrix (soil/water):

eparation Blank Concentration Units (ug/L or mg/kg):

nalyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Prepa- ration Blank		M
		C	1	C	2	C	3	C		C	
rsenic			2.7	U	3.4	U	4.5	U			P
ead			2.5	U	2.5	U	2.5	U			P
arium			1.2	U	1.2	U	1.2	U			P
admium			0.8	U	0.8	U	1.0	B			P
ercury											NR
elenium			2.2	U	2.2	U	2.2	U			P
ilver			1.3	U	1.3	U	1.3	U			P
hromium			2.0	U	2.0	U	2.0	U			P

019

METALS QC DATA

5A

CLIENT SAMPLE #

SPIKE SAMPLE RECOVERY

SA-4MS

b Name: CHEMTECH CONSULTING GROUP Contract:

b Code: CHEMED Case No.: SAS No.: SDG No.: L9824

trix (soil/water): SOIL Level (low/med): LOW

Solids for Sample: 54.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
arsenic	75-125	352.0229	7.2569	366.97	93.9		P
barium	75-125	478.0890	130.3431	366.97	94.8		P
cadmium	75-125	9.8972	1.1890	9.17	95.0		P
chromium	75-125	46.6826	13.0752	45.87	75.3		P
lead	75-125	263.6239	217.9156	45.87	99.6		P
mercury	75-125	1.1927	0.1716	1.22	83.7		CV
melenium	75-125	325.0101	0.7431 B	366.97	88.4		P
silver	75-125	8.8899	0.6018 B	9.17	90.4		P

Comments:

FORM V (Part 1) - IN

ILM03.0

5A

CLIENT SAMPLE #

SPIKE SAMPLE RECOVERY

SA-4MSD

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9824

matrix (soil/water): SOIL

Level (low/med): LOW

Solids for Sample: 54.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
arsenic	75-125	348.8651	7.2569	366.97	93.1		P
barium	75-125	475.1835	130.3431	366.97	94.0		P
cadmium	75-125	9.8165	1.1890	9.17	94.1		P
chromium	75-125	46.5972	13.0752	45.87	75.1		P
lead	75-125	262.1147	217.9156	45.87	96.4		P
mercury	75-125	1.1835	0.1716	1.22	82.9		CV
molybdenum	75-125	322.8183	0.7431 B	366.97	87.8		P
silver	75-125	8.8028	0.6018 B	9.17	89.4		P

Comments:

FORM V (Part 1) - IN

ILM03.0

ANALYSIS REPORT

6

CLIENT SAMPLE #

DUPLICATES

SA-4D

b Name: CHEMTECH CONSULTING GROUP Contract:

b Code: CHEMED Case No.: SAS No.: SDG No.: L9824

trix (soil/water): SOIL Level (low/med): LOW

Solids for Sample: 54.5 % Solids for Duplicate: 54.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Arsenic	1.8	7.2569	-	7.3083	-	0.7	-	P
Barium	36.7	130.3431		129.7046		0.5		P
Cadmium	0.9	1.1890		1.2165		2.3		P
Chromium		13.0752		13.0606		0.1		P
Lead		217.9156		218.0606		0.1		P
Mercury	0.1	0.1716		0.1364		22.9		CV
Selenium		0.7431	B	0.7963	B	6.9		P
Silver		0.6018	B	0.6211	B	3.2		P

FORM VI - IN

ILM03.0

024

ANALYSIS REPORT

6

CLIENT SAMPLE #

DUPLICATES

SA-4MSD

b Name: CHEMTECH CONSULTING GROUP Contract:

b Code: CHEMED Case No.: SAS No.: SDG No.: L9824

trix (soil/water): SOIL Level (low/med): LOW

Solids for Sample: 54.5 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Arsenic		352.0229	348.8651	0.9		P
Barium		478.0890	475.1835	0.6		P
Cadmium		9.8972	9.8165	0.8		P
Chromium		46.6826	46.5972	0.2		P
Lead		263.6239	262.1147	0.6		P
Mercury		1.1927	1.1835	0.8		CV
Selenium		325.0101	322.8183	0.7		P
Silver	1.8	8.8899	8.8028	1.0		P

FORM VI - IN

ILM03.0

NYSDEC - ASP

7

LABORATORY CONTROL SAMPLE

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

lid LCS Source: INOR.VEN.

ueous LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)					%R
	True	Found	%R	True	Found	C	Limits		
rsenic				930.4	929.0		613.4	1247.2	99.8
ead				224.1	214.8		167.6	280.5	95.9
arium				5.3	5.7	B	2.5	8.1	107.5
admium				41.6	41.4		32.1	51.1	99.5
ercury				12.3	11.9		7.8	16.9	96.7
elenium				37.0	36.0		17.6	56.4	97.3
ilver				20.9	24.3		13.2	28.5	116.3
hromium				96.5	91.4		77.8	115.2	94.7

026

ANALYSIS REPORT

9

CLIENT SAMPLE #

ICP SERIAL DILUTIONS

SA-4L

b Name: CHEMTECH CONSULTING GROUP Contract:

b Code: CHEMED Case No.: SAS No.: SDG No.: L9824

trix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ- ence	Q	M
Arsenic	39.55	-	43.25	B	9.4	-	P
Barium	710.37		709.55	B	0.1		P
Cadmium	6.48		9.90	B	52.8		P
Chromium	71.26		68.25		4.2		P
Lead	1187.64		1182.28		0.5		P
Mercury							NR
Selenium	4.05	B	11.00	U	100.0		P
Silver	3.28	B	6.50	U	100.0		P

**METALS
PREPARATION &
INSTRUMENT DATA**

NYSDEC - ASP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

P ID Number:

Date: 07/12/00

ame AA ID Number: CV

rnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Arsenic	253.70		10	0.1	NR
Lead			3		NR
Barium			200		NR
Cadmium			5		NR
Mercury			0.2		CV
Selenium			5		NR
Silver			10		NR
Chromium			10		NR

ments:

CV: SPECTRO-PRODUCTS MERCURY ANALYZER

030

NYSDEC - ASP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

P ID Number:

P0

Date: 07/12/00

ame AA ID Number:

rnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Arsenic	189.00		10	2.7	P
Lead	220.40		3	2.5	P
Barium	493.40		200	1.2	P
Cadmium	226.50		5	0.8	P
Mercury			0.2		NR
Selenium	196.00		5	2.2	P
Silver	328.00		10	1.3	P
Chromium	267.70		10	2.0	P

nnments:

P0: ICP 61E TRACE ANALYZER

031

NYSDEC - ASP

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

P ID Number:

P0

Date:

04/15/00

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Asenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0002010	0.0000000	0.0000000

Comments:

P0: ICP 61E TRACE ANALYZER

032

NYSDEC - ASP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

P ID Number:

P0

Date: 04/15/00

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		As	Ba	Be	Cd	Co
arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
mercury						
selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
chromium	267.70	0.0000370	0.0000000	0.0000026	0.0000000	0.0000290

Comments:

P0: ICP 61E TRACE ANALYZER

033

NYSDEC - ASP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

P ID Number:

P0

Date:

04/15/00

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	K	Mn	Na
arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
mercury						
selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

P0: ICP 61E TRACE ANALYZER

034

NYSDEC - ASP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

P ID Number:

P0

Date: 04/15/00

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	Pb	Sb	Se	Tl
arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
mercury						
selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
chromium	267.70	0.0000000	-0.0000124	0.00009100	0.0000000	0.0000260

Comments:

P0: ICP 61E TRACE ANALYZER

035

NYSDEC - ASP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

b Name: CHEMTECH CONSULTING GROUP

Contract:

b Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

P ID Number:

P0

Date: 04/15/00

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		V	Zn	—	—	—
Asenic	189.00	0.0000000	0.0000000			
Cad	220.40	0.0000000	0.0000000			
Cadmium	493.40	0.0000000	0.0000000			
Cadmium	226.50	0.0000000	0.0000000			
Mercury						
Selenium	196.00	0.0000000	0.0000000			
Silver	328.00	0.0000000	0.0000000			
Thorium	267.70	0.0000000	0.0001290			

Comments:

P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

12
ICP LINEAR RANGES (QUARTERLY)

Name: CHEMTECH CONSULTING GROUP Contract:
 Code: CHEMED Case No.: SAS No.: SDG No.: L9851
 ID Number: P0 Date: 07/12/00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Arsenic	10.00	45000.0	P
Lead	10.00	145000.0	P
Barium	10.00	50000.0	P
Cadmium	10.00	10000.0	P
Mercury			NR
Selenium	10.00	45000.0	P
Silver	10.00	35000.0	P
Chromium	10.00	45000.0	P

ments:
 P0: ICP 61E TRACE ANALYZER

037

13
PREPARATION LOG

thod: CV

[illegible]

13
PREPARATION LOG

thod: P

[illegible]

NYSDEC - ASP

14
ANALYSIS RUN LOG

Sample Name: CHEMTECH CONSULTING GROUP

Contract:

Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Instrument ID Number: P0

Method: P

Start date: 08/23/00

End date: 08/23/00

EPA Sample No.	D/F	Time	% R	Analytes							
				A S	P B	B A	C D	H G	S E	A G	C R
0	1.00	1101		X	X	X	X	-	X	X	X
	1.00	1105		X	X	X	X	-	X	X	X
	1.00	1109		-	X	X	X	-	X	X	X
	1.00	1115		X	X	X	X	-	X	X	X
CV	1.00	1132		X	X	X	X	-	X	X	X
CB	1.00	1135		X	X	X	X	-	X	X	X
RI	1.00	1143		X	X	-	X	-	X	X	X
CSA	1.00	1200		X	X	X	X	-	X	X	X
CSAB	1.00	1204		X	X	X	X	-	X	X	X
CV	1.00	1208		X	X	X	X	-	X	X	X
CB	1.00	1212		X	X	X	X	-	X	X	X
ZZZZZ	1.00	1216		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1223		-	-	-	-	-	-	-	-
BS	1.00	1227		X	X	X	X	-	X	X	X
CSS	1.00	1232		X	X	X	X	-	X	X	X
ZZZZZ	1.00	1236		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1249		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1252		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1257		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1300		-	-	-	-	-	-	-	-
ZZZZZ	5.00	1304		-	-	-	-	-	-	-	-
CV	1.00	1308		X	X	X	X	-	X	X	X
CB	1.00	1312		X	X	X	X	-	X	X	X
ZZZZZ	1.00	1319		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1323		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1327		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1331		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1335		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1339		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1343		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1347		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1350		-	-	-	-	-	-	-	-

NYSDEC - ASP

14
ANALYSIS RUN LOG

Name: CHEMTECH CONSULTING GROUP

Contract:

Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Instrument ID Number: P0

Method: P

Start date: 08/23/00

End date: 08/23/00

EPA Sample No.	D/F	Time	% R	Analytes							
				A S	P B	B A	C D	H G	S E	A G	C R
ZZZZZ	1.00	1355		-	-	-	-	-	-	-	-
TV	1.00	1359		X	X	X	X	-	X	X	X
CB	1.00	1402		X	X	X	X	-	X	X	X
ZZZZZ	1.00	1409		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1413		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1417		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1421		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1425		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1429		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1433		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1437		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1441		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1452		-	-	-	-	-	-	-	-
TV	1.00	1456		X	X	X	X	-	X	X	X
CB	1.00	1503		X	X	X	X	-	X	X	X
ZZZZZ	1.00	1511		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1514		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1518		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1522		-	-	-	-	-	-	-	-
ZZZZZ	5.00	1526		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1530		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1534		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1540		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1544		-	-	-	-	-	-	-	-
ZZZZZ	10.00	1548		-	-	-	-	-	-	-	-
TV	1.00	1552		X	X	X	X	-	X	X	X
CB	1.00	1557		X	X	X	X	-	X	X	X
ZZZZZ	1.00	1601		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1604		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1608		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1612		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1616		-	-	-	-	-	-	-	-

NYSDEC - ASP

14
ANALYSIS RUN LOG

Name: CHEMTECH CONSULTING GROUP

Contract:

Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Instrument ID Number: P0

Method: P

Start date: 08/23/00

End date: 08/23/00

EPA Sample No.	D/F	Time	% R	Analytes							
				A S	P B	B A	C D	H G	S E	A G	C R
ZZZZ	1.00	1620		-	-	-	-	-	-	-	-
ZZZZ	1.00	1624		-	-	-	-	-	-	-	-
ZZZZ	1.00	1627		-	-	-	-	-	-	-	-
ZZZZ	5.00	1631		-	-	-	-	-	-	-	-
ZZZZ	1.00	1635		-	-	-	-	-	-	-	-
V	1.00	1639		X	X	X	X	-	X	X	X
B	1.00	1642		X	X	X	X	-	X	X	X
ZZZZ	1.00	1646		-	-	-	-	-	-	-	-
ZZZZ	1.00	1650		-	-	-	-	-	-	-	-
ZZZZ	1.00	1654		-	-	-	-	-	-	-	-
ZZZZ	1.00	1658		-	-	-	-	-	-	-	-
ZZZZ	1.00	1702		-	-	-	-	-	-	-	-
ZZZZ	1.00	1708		-	-	-	-	-	-	-	-
ZZZZ	1.00	1711		-	-	-	-	-	-	-	-
ZZZZ	1.00	1714		-	-	-	-	-	-	-	-
ZZZZ	1.00	1720		-	-	-	-	-	-	-	-
ZZZZ	1.00	1723		-	-	-	-	-	-	-	-
V	1.00	1727		X	X	X	X	-	X	X	X
B	1.00	1733		X	X	X	X	-	X	X	X
ZZZZ	5.00	1737		-	-	-	-	-	-	-	-
ZZZZ	1.00	1743		-	-	-	-	-	-	-	-
ZZZZ	1.00	1751		-	-	-	-	-	-	-	-
ZZZZ	1.00	1755		-	-	-	-	-	-	-	-
ZZZZ	1.00	1808		-	-	-	-	-	-	-	-
ZZZZ	1.00	1816		-	-	-	-	-	-	-	-
ZZZZ	1.00	1821		-	-	-	-	-	-	-	-
ZZZZ	1.00	1827		-	-	-	-	-	-	-	-
ZZZZ	5.00	1832		-	-	-	-	-	-	-	-
ZZZZ	1.00	1836		-	-	-	-	-	-	-	-
V	1.00	1840		X	X	X	X	-	X	X	X
B	1.00	1844		X	X	X	X	-	X	X	X
ZZZZ	1.00	1848		-	-	-	-	-	-	-	-

NYSDEC - ASP

14
ANALYSIS RUN LOG

o Name: CHEMTECH CONSULTING GROUP

Contract:

o Code: CHEMED

Case No.:

SAS No.:

SDG No.: L9851

Instrument ID Number: P0

Method: P

Start date: 08/23/00

End date: 08/23/00

EPA Sample No.	D/F	Time	% R	Analytes							
				A S	P B	B A	C D	H G	S E	A G	C R
ZZZZZ	1.00	1852		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1858		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1902		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1906		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1911		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1914		-	-	-	-	-	-	-	-
RI	1.00	1918		X	X	-	X	-	X	X	X
CSA	1.00	1936		X	X	X	X	-	X	X	X
CSAB	1.00	1940		X	X	X	X	-	X	X	X
TV	1.00	1944		X	X	X	X	-	X	X	X
CB	1.00	1948		X	X	X	X	-	X	X	X
ZZZZZ	1.00	1954		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1958		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2002		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2006		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2010		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2015		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2020		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2023		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2027		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2031		-	-	-	-	-	-	-	-
TV	1.00	2035		X	X	X	X	-	X	X	X
CB	1.00	2039		X	X	X	X	-	X	X	X
ZZZZZ	10.00	2047		-	-	-	-	-	-	-	-
ZZZZZ	10.00	2051		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2055		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2059		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2104		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2109		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2113		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2117		-	-	-	-	-	-	-	-
ZZZZZ	1.00	2121		-	-	-	-	-	-	-	-

14
ANALYSIS RUN LOG

End date: 08/23/00

[illegible]

NYSDEC - ASP

14
ANALYSIS RUN LOG

Name: CHEMTECH CONSULTING GROUP Contract:
 Code: CHEMED Case No.: SAS No.: SDG No.: L9851
 Instrument ID Number: CV Method: CV
 Start date: 08/21/00 End date: 08/21/00

EPA Sample No.	D/F	Time	% R	Analytes							
				A S	P B	B A	C D	H G	S E	A G	C R
J	1.00	1841		-	-	-	-	X	-	-	-
J.2	1.00	1843		-	-	-	-	X	-	-	-
J.5	1.00	1845		-	-	-	-	X	-	-	-
1.0	1.00	1848		-	-	-	-	X	-	-	-
5.0	1.00	1850		-	-	-	-	X	-	-	-
10.0	1.00	1852		-	-	-	-	X	-	-	-
CV	1.00	1855		-	-	-	-	X	-	-	-
CB	1.00	1857		-	-	-	-	X	-	-	-
CV	1.00	1900		-	-	-	-	X	-	-	-
CB	1.00	1902		-	-	-	-	X	-	-	-
RA	1.00	1904		-	-	-	-	X	-	-	-
ZZZZZ	1.00	1906		-	-	-	-	-	-	-	-
BS	1.00	1909		-	-	-	-	X	-	-	-
CSS	5.00	1911		-	-	-	-	X	-	-	-
ZZZZZ	1.00	1913		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1916		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1918		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1920		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1923		-	-	-	-	-	-	-	-
CV	1.00	1925		-	-	-	-	X	-	-	-
CB	1.00	1927		-	-	-	-	X	-	-	-
ZZZZZ	1.00	1930		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1932		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1934		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1936		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1939		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1941		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1943		-	-	-	-	-	-	-	-
ZZZZZ	1.00	1946		-	-	-	-	-	-	-	-
4-1 (INVERT)	1.00	1948		-	-	-	-	X	-	-	-
4-1 (1' BELOWINVERT)	1.00	1950		-	-	-	-	X	-	-	-
CV	1.00	1952		-	-	-	-	X	-	-	-

14
ANALYSIS RUN LOG

End date: 08/21/00

046

METALS RAW DATA

Method: 6010B Standard: S0

Run Time: 08/23/00 11:01:14

lem	As1890	Tl1908	Al3082	Ba4934	Be3130	Cd2265	Ca3179
vge	-.01293	-.02793	.13296	.00111	.02339	-.00486	.00889
Dev	.00071	.00051	.00056	.00005	.00248	.00111	.00015
RSD	5.4693	1.8085	.41784	4.5620	10.580	22.877	1.7039

1	-.01243	-.02829	.13336	.00114	.02514	-.00564	.00900
2	-.01343	-.02757	.13257	.00107	.02164	-.00407	.00879

lem	Cr2677	Co2296	Cu3247	Fe2714	Mn2576	Mg2790	Ni2316
vge	.00400	.00057	-.02568	.00204	.00089	.00161	.00225
Dev	.00010	.00010	.00076	.00005	.00005	.00035	.00066
RSD	2.5254	17.678	2.9504	2.4811	5.6569	21.999	29.182

1	.00393	.00064	.02521	.00207	.00086	.00186	.00179
2	.00407	.00050	.02514	.00200	.00093	.00136	.00271

lem	Ag3280	Na3302	V_2924	Zn2138	K_7664	2068-2	2068-1
vge	-.00021	-.00393	.00050	.00329	-.06543	.00611	.00721
Dev	.00000	.00121	.00000	.00010	.00061	.00146	.00273
RSD	.00000	30.856	.00000	3.0744	.92634	23.984	37.806

1	-.00021	-.00307	.00050	.00336	-.06500	.00507	.00529
2	-.00021	-.00479	.00050	.00321	-.06586	.00714	.00914

lem	2203-1	2203-2	1960-1	1960-2	B_2496	Mo2020	Si2881
vge	.05432	-.00436	-.02436	.02179	.00575	.01364	.03875
Dev	.00157	.00384	.00152	.00111	.00177	.00556	.00025
RSD	2.8824	88.099	6.2209	5.1004	30.744	40.723	.65171

1	.05321	-.00164	-.02329	.02100	.00700	.01757	.03893
2	-.05543	-.00707	-.02543	.02257	.00450	.00971	.03857

lem	Sn1899	Ti3349
vge	.01168	.00189
Dev	.00046	.00046
RSD	3.8923	24.015

1	.01136	.00157
2	.01200	.00221

Method: 6010B Standard: S
 Run Time: 08/23/00 11:05:40

Element	As1890	Tl1908	Al3082	Ba4934	Be3130	Cd2265	Ca3179
Value	7.3763	3.8034	1.5644	9.0984	.84954	11.810	1.8672
Dev	.0154	.0050	.0056	.0452	.00217	.011	.0013
RSD	.20816	.13147	.35513	.49628	.25565	.09580	.06763

1	7.3654	3.7999	1.5605	9.0665	.85107	11.818	1.8663
2	7.3871	3.8069	1.5684	9.1304	.84800	11.802	1.8681

Element	Cr2677	Co2296	Cu3247	Fe2714	Mn2576	Mg2790	Ni2316
Value	.93150	1.4683	1.5253	.15500	2.1370	2.4991	5.1681
Dev	.00172	.0021	.0054	.00051	.0029	.0091	.0129
RSD	.18436	.14103	.35431	.32586	.13472	.36580	.25019

1	.93029	1.4669	1.5215	.15536	2.1350	2.4926	5.1589
2	.93271	1.4698	1.5291	.15464	2.1391	2.5056	5.1772

Element	Ag3280	Na3302	V_2924	Zn2138	K_7664	2068-2	2068-1
Value	1.4084	.29429	.51061	1.8082	8.7034	5.1325	6.5753
Dev	.0027	.00222	.00136	.0008	.0282	.0074	.0096
RSD	.19365	.75516	.26707	.04469	.32382	.14466	.14595

1	1.4065	.29586	.50964	1.8088	8.6835	5.1378	6.5821
2	1.4104	.29271	.51157	1.8076	8.7234	5.1273	6.5685

Element	2203-1	2203-2	1960-1	1960-2	B_2496	Mo2020	Si2881
Value	8.8867	8.1006	5.2185	6.4049	3.7695	5.2974	3.2590
Dev	.0088	.0010	.0064	.0185	.0052	.0094	.0086
RSD	.09889	.01247	.12195	.28862	.13667	.17734	.26347

1	8.8929	8.0999	5.2140	6.3918	3.7659	5.2907	3.2529
2	8.8805	8.1013	5.2230	6.4179	3.7731	5.3040	3.2651

Element	Sn1899	Ti3349
Value	5.3254	5.8072
Dev	.0157	.0907
RSD	.29401	1.5612

1	5.3144	5.7431
2	5.3365	5.8713

Handwritten signature
 8/23/00

Method: 6010B Sample Name: HMS
 Time: 08/23/00 11:09:27
 Element: HMS
 Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	4.9856	4.9903	5.0098	4.9826	4.9726	9.9535	10.042
Dev	.0114	.0035	.0012	.0161	.0011	.0354	.038
RSD	.22826	.07109	.02479	.32254	.02312	.35535	.37625

1	4.9936	4.9928	5.0107	4.9712	4.9718	9.9785	10.069
2	4.9776	4.9878	5.0089	4.9940	4.9734	9.9285	10.016

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	.24976	2.4926	24.925	.99682	2.4946	1.2566	4.9743
Dev	.00094	.0017	.005	.00044	.0017	.0044	.0265
RSD	.37640	.06666	.01927	.04402	.06945	.34834	.53203

1	.25042	2.4914	24.921	.99713	2.4934	1.2597	4.9930
2	.24910	2.4937	24.928	.99650	2.4958	1.2535	4.9556

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	2.4948	24.986	2.4904	1.2472	25.052	2.4977	2.4886
Dev	.0036	.037	.0026	.0026	.293	.0007	.0029
RSD	.14594	.14675	.10361	.20656	1.1695	.02996	.11572

1	2.4974	25.012	2.4922	1.2490	25.259	2.4982	2.4907
2	2.4922	24.960	2.4886	1.2453	24.845	2.4972	2.4866

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	25.246	4.9498	5.0167	4.9802	5.0237	4.9659	4.9902
Dev	.065	.0044	.0122	.0114	.0039	.0066	.0274
RSD	.25682	.08845	.24362	.22985	.07669	.13326	.54903

1	25.292	4.9529	5.0081	4.9883	5.0210	4.9706	4.9708
2	25.200	4.9467	5.0254	4.9721	5.0265	4.9612	5.0096

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Value	4.6931	4.9859	Q3.3667	4.9712	4.9422
Dev	.0005	.0026	.0099	.0056	.0386
RSD	.01154	.05171	.29432	.11317	.78137

1	4.6934	4.9841	Q3.3737	4.9752	4.9149
2	4.6927	4.9877	Q3.3597	4.9672	4.9695

AD
8/23/00

Method: 6010B Sample Name: HMS/100
 Run Time: 08/23/00 11:15:26
 Comment: HMS/100
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05482	.05823	.05085	.05274	.05348	.11880	.10679
Dev	.00151	.00177	.00173	.00085	.00226	.00106	.00011
RSD	2.7508	3.0364	3.3947	1.6017	4.2185	.89316	.10515

1	.05376	.05698	.05208	.05214	.05507	.11955	.10671
2	.05589	.05948	-.04963	.05333	.05188	.11805	.10687

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00293	.02663	.26543	.01044	.02548	.01219	.05848
Dev	.00080	.00031	.00000	.00000	.00043	.00055	.00165
RSD	27.346	1.1726	.00000	.00052	1.6998	4.5307	2.8284

1	.00349	.02641	.26543	.01044	.02518	.01258	.05965
2	.00236	.02685	.26543	.01044	.02579	.01180	.05731

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02565	.25171	.02438	.01237	.16147	.02527	.02688
Dev	.00012	.00051	.00091	.00040	.07996	.00025	.00007
RSD	.46562	.20231	3.7324	3.2659	49.520	.98940	.26169

1	.02573	.25135	.02502	.01208	.21801	.02509	.02683
2	.02557	.25207	.02373	.01265	.10493	.02544	.02693

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29178	.05277	.05339	.04801	.05121	.05399	.05131
Dev	.00483	.00098	.00480	.00286	.00116	.00435	.00083
RSD	1.6570	1.8645	8.9966	5.9558	2.2669	8.0526	1.6145

1	.28837	.05346	.05679	.05003	.05203	.05092	.05189
2	.29520	.05207	.05000	.04598	.05038	.05707	.05072

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05706	.06988	.03160	.05391	.05123
Dev	.00322	.00645	.00011	.00019	.00096
RSD	5.6414	9.2274	.33641	.35387	1.8653

1	.05933	.07444	.03153	.05405	.05056
2	.05478	.06532	.03168	.05378	.05191

AD
8/23/00

Method: 6010B Sample Name: ICV
 Run Time: 08/23/00 11:32:02
 Comment: ICV
 Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	2.0458	2.0288	2.0013	2.0466	1.9680	4.0694	4.1385
Dev	.0002	.0196	.0010	.0008	.0083	.0110	.0153
RSD	.00836	.96810	.04915	.04000	.42353	.26944	.37035

1	2.0457	2.0149	2.0020	2.0472	1.9738	4.0616	4.1277
2	2.0460	2.0426	2.0006	2.0461	1.9621	4.0771	4.1493

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.09628	1.0162	10.047	.40426	1.0027	.49625	2.0035
Dev	.00047	.0002	.003	.00016	.0006	.00115	.0000
RSD	.49075	.02436	.03415	.04069	.06047	.23104	.00000

1	.09662	1.0164	10.045	.40414	1.0023	.49544	2.0035
2	.09595	1.0160	10.050	.40437	1.0032	.49706	2.0035

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	1.0015	10.107	1.0079	.50335	10.272	1.0026	1.0383
Dev	.0006	.036	.0000	.00005	.200	.0010	.0015
RSD	.05959	.35270	.00243	.00893	1.9488	.09970	.14206

1	1.0011	10.082	1.0079	.50338	10.413	1.0019	1.0373
2	1.0019	10.132	1.0080	.50331	10.130	1.0033	1.0393

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	10.413	1.9800	1.9423	1.9848	2.0086	2.0412	2.0486
Dev	.009	.0111	.0028	.0057	.0014	.0006	.0016
RSD	.08533	.56146	.14222	.28842	.06886	.03076	.07890

1	10.407	1.9879	1.9442	1.9889	2.0076	2.0407	2.0497
2	10.419	1.9722	1.9403	1.9808	2.0096	2.0416	2.0474

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Average	1.9256	1.0125	Q1.7719	4.9812	1.0067
Dev	.0071	.0073	.0031	.0134	.0131
RSD	.36964	.72181	.17735	.26878	1.2988

1	1.9206	1.0073	Q1.7697	4.9717	.99747
2	1.9306	1.0176	Q1.7741	4.9906	1.0160

AD
8/23/00

thod: 6010B Sample Name: ICB
 n Time: 08/23/00 11:35:44
 mment: ICB
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00141	.00503	-.00006	.00209	.00125	.02151	.00052
Dev	.00007	.00032	.00043	.00055	.00128	.00637	.00006
RSD	4.8806	6.2923	747.91	26.058	102.20	29.600	10.879

1	.00136	.00480	-.00036	.00248	.00216	.01701	.00056
2	.00145	.00525	-.00024	.00171	.00035	.02601	.00048

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00045	.00011	.00388	.00093	.00006	-.00060	.00351
Dev	.00085	.00042	.00755	.00006	.00000	.00072	.00331
RSD	186.49	396.71	194.45	5.8957	.00000	120.32	94.281

1	-.00014	.00040	-.00146	.00089	.00006	-.00111	.00117
2	.00105	-.00019	.00922	.00097	.00006	-.00009	.00585

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00009	.00360	-.00002	.00010	-.22197	.00018	-.00020
Dev	.00000	.00306	.00005	.00000	.06369	.00025	.00028
RSD	.43685	84.853	276.85	1.7028	28.694	141.66	141.12

1	.00008	.00144	-.00005	.00010	-.26701	.00035	-.00040
2	.00009	.00576	.00002	.00010	-.17693	-.00000	-.00000

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01895	.00237	-.00247	-.00496	.00153	.00389	.00039
Dev	.00515	.00044	.00296	.00104	.00116	.00208	.00193
RSD	27.178	18.718	119.74	21.064	75.688	53.347	492.34

1	.02259	.00268	-.00038	-.00422	.00071	.00243	.00176
2	.01531	.00205	-.00457	-.00570	.00235	.00536	-.00097

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	.00242	.00361	-.00380	.00276	.00022
Dev	.00045	.00014	.00096	.00200	.00013
RSD	18.751	3.9623	25.205	72.425	60.609

1	.00210	.00372	-.00448	.00135	.00012
2	.00274	.00351	-.00313	.00418	.00031

AD
8/23/00

Method: 6010B Sample Name: CRI
 In Time: 08/23/00 11:43:46
 Comment: CRI
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02450	.02454	.00605	.01090	.11826	.02351	.00024
Dev	.00058	.00046	.00216	.00052	.00161	.00566	.00022
RSD	2.3764	1.8892	35.615	4.7253	1.3571	24.072	94.281

1	.02409	.02422	.00453	.01053	.11713	.02751	.00040
2	.02492	.02487	.00758	.01126	.11940	.01951	.00008

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01029	.01059	.07618	.02013	.09948	.05043	.02339
Dev	.00083	.00001	.00000	.00011	.00026	.00072	.01158
RSD	8.0840	.08304	.00000	.54523	.26125	1.4340	49.497

1	.01088	.01059	.07618	.02021	.09929	.05094	.03158
2	.00970	.01058	.07618	.02005	.09966	.04992	.01520

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02995	.00396	.07996	.01915	-.08364	.10055	.04175
Dev	.00000	.00051	.00101	.00041	.35031	.00025	.00042
RSD	.00312	12.856	1.2599	2.1432	418.82	.24912	1.0113

1	.02995	.00432	.08067	.01944	.16407	.10038	.04145
2	.02995	.00360	.07925	.01886	-.33135	.10073	.04205

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02699	.11819	.11691	-.00033	.00839	.01593	.00763
Dev	.00073	.00143	.00196	.00102	.00272	.00058	.00106
RSD	2.6988	1.2069	1.6785	307.54	32.496	3.6434	13.911

1	.02750	.11718	.11552	-.00105	.00646	.01634	.00688
2	.02647	.11920	.11829	.00039	.01031	.01552	.00838

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00258	.00213	-.00165	.00219	.00018
Dev	.00036	.00062	.00053	.00081	.00026
RSD	13.896	29.157	32.202	36.869	141.42

1	.00284	.00169	-.00128	.00162	.00037
2	.00233	.00257	-.00203	.00276	-.00000

AD
8/23/00

Method: 6010B Sample Name: ICSA1197
 Run Time: 08/23/00 12:00:29
 Comment: ICSA
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00469	.00932	.00045	.00189	-.00019	446.61	.00457
Dev	.00147	.00339	.00009	.00400	.00245	4.45	.00028
RSD	31.392	36.365	20.007	210.91	1262.8	.99613	6.1488

#1	.00365	Q.01171	.00051	-.00093	-.00193	449.75	.00437
#2	.00574	.00692	-.00038	.00472	.00154	443.46	.00476

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00038	.00235	437.73	.03587	.00655	.02556	182.53
Dev	.00023	.00025	5.62	.00072	.00017	.00059	2.31
RSD	62.567	10.720	1.2835	2.0164	2.6434	2.3084	1.2642

#1	.00021	.00218	441.70	.03638	.00643	.02597	184.16
#2	.00054	.00253	433.76	.03535	.00668	.02514	180.89

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04099	507.45	.00107	.00974	-.27344	.00077	.03307
Dev	.00002	5.83	.00141	.00012	.11829	.00012	.00049
RSD	.05077	1.1487	132.62	1.2270	43.258	14.982	1.4777

#1	.04101	511.57	.00007	.00983	-.18980	.00069	.03341
#2	.04098	503.33	.00207	.00966	-.35709	.00085	.03272

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05119	.00616	-.01442	-.02908	.01412	-.00204	.00300
Dev	.00612	.00177	.00381	.00818	.00422	.00998	.00101
RSD	11.951	28.764	26.399	28.131	29.880	488.76	33.469

#1	.04687	.00490	-.01711	-.03487	.01710	-.00910	.00229
#2	.05552	.00741	-.01172	-.02330	.01114	.00502	.00371

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avge	.20628	.00827	-.01356	.01957	.00246
Dev	.00272	.00643	.00053	.00245	.00000
RSD	1.3191	77.782	3.8745	12.543	.00000

#1	.20821	.00372	-.01393	.01783	.00246
#2	.20436	.01281	-.01319	.02130	.00246

M
8/23/00

Method: 6010B

Sample Name: ICSAB596

Operator: AD

Run Time: 08/23/00 12:04:37

Comment: ICSAB

Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09156	.09721	.04037	.04335	.52327	441.11	.51593
SD	.00309	.01784	.00148	.00098	.00187	2.25	.00269
RSD	3.3792	18.354	3.6771	2.2556	.35771	.51005	.52233

#1	.08937	.08459	.03932	.04404	.52194	439.52	.51402
#2	.09374	Q.10982	.04142	.04266	.52459	442.70	.51783

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.42600	.90302	427.75	.46022	.44195	.53617	178.25
SD	.00129	.00516	2.76	.00509	.00520	.00284	.96
RSD	.30350	.57179	.64620	1.1059	1.1761	.53070	.53636

#1	.42508	.89937	425.80	.45662	.43828	.53416	177.57
#2	.42691	.90667	429.70	.46382	.44563	.53819	178.92

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48599	495.95	.85928	.20206	-.43429	.45251	.95592
SD	.00423	2.74	.01057	.00439	.21838	.00520	.00802
RSD	.87080	.55315	1.2304	2.1726	50.283	1.1493	.83956

#1	.48300	494.01	.85180	.19895	-.58871	.44883	.95024
#2	.48898	497.89	.86676	.20516	-.27988	.45618	.96159

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01988	.53148	.50531	.00217	.05848	.03741	.04546
SD	.01894	.00044	.00651	.00584	.00069	.00462	.00084
RSD	95.258	.08329	1.2878	269.42	1.1785	12.353	1.8510

#1	.00649	.53180	.50071	-.00196	.05897	.04068	.04486
#2	.03327	.53117	.50991	.00630	.05799	.03415	.04605

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avge	.17506	-.00027	-.01767	.00269	.00203
SD	.01736	.00552	.00366	.01276	.00061
RSD	9.9196	2055.7	20.689	474.86	29.998

#1	.16278	-.00417	-.02026	-.00634	.00160
#2	.18733	.00364	-.01509	.01171	.00246

AD
8/23/00

thod: 6010B Sample Name: CCV1
 n Time: 08/23/00 12:08:50
 mment: CCV
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.4727	2.4793	2.4317	2.4187	2.4278	4.9495	5.0162
Dev	.0059	.0001	.0032	.0041	.0029	.0071	.0040
RSD	.23982	.00496	.13216	.16814	.12054	.14292	.08058

1	2.4769	2.4792	2.4339	2.4215	2.4299	4.9445	5.0133
2	2.4685	2.4794	2.4294	2.4158	2.4257	4.9545	5.0191

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.12058	1.2283	12.002	.47688	1.2012	.61859	2.3918
Dev	.00061	.0011	.023	.00066	.0022	.00098	.0033
RSD	.50712	.08668	.18868	.13824	.18029	.15789	.13831

1	.12101	1.2291	12.018	.47735	1.2027	.61790	2.3942
2	.12015	1.2276	11.986	.47642	1.1997	.61928	2.3895

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.1955	11.912	1.2117	.59749	12.382	1.1950	1.2396
Dev	.0014	.045	.0031	.00171	.155	.0003	.0020
RSD	.11975	.38047	.25978	.28625	1.2492	.02089	.15890

1	1.1965	11.880	1.2139	.59870	12.492	1.1952	1.2410
2	1.1944	11.944	1.2094	.59628	12.273	1.1949	1.2382

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	13.010	2.4465	2.3889	2.3549	2.4691	2.3624	2.4460
Dev	.011	.0016	.0055	.0015	.0040	.0005	.0058
RSD	.08398	.06635	.23180	.06514	.16106	.02245	.23534

1	13.018	2.4476	2.3928	2.3560	2.4719	2.3627	2.4500
2	13.003	2.4453	2.3850	2.3538	2.4663	2.3620	2.4419

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	2.4393	2.5041	2.4201	2.3899	2.3782
Dev	.0007	.0005	.0016	.0039	.0332
RSD	.02789	.01908	.06819	.16346	1.3973

1	2.4388	2.5045	2.4189	2.3927	2.3547
2	2.4398	2.5038	2.4213	2.3872	2.4017

AD
 8/23/00

Method: 6010B Sample Name: CCB
 Time: 08/23/00 12:12:41
 Element: CCB
 Unit: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00431	.00910	.00071	.00210	.00194	.04677	.00103
Dev	.00178	.00111	.00087	.00249	.00076	.00035	.00000
RSD	41.331	12.207	121.98	118.63	39.036	.75619	.00000
	.00557	.00988	.00133	.00034	.00247	.04652	.00103
	.00305	.00831	.00010	.00386	.00140	.04702	.00103
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00081	.00052	.01213	.00093	.00012	.00054	.00702
Dev	.00078	.00028	.00275	.00038	.00113	.00064	.01489
RSD	96.700	52.927	22.627	41.183	919.24	118.14	212.13
	.00136	.00072	.01407	.00120	.00067	.00009	.01754
	.00026	.00033	.01019	.00066	.00092	.00099	.00351
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00009	.01044	.00059	.00003	.30240	.00053	.00005
Dev	.00012	.00662	.00194	.00082	.35941	.00125	.00007
RSD	140.12	63.396	328.71	2887.7	118.85	235.72	141.28
	.00017	.01512	.00196	.00055	.04825	.00141	.00010
	.00000	.00576	.00078	.00061	.55654	.00035	.00000
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.02101	.00362	.00293	.00846	.00444	.00458	.00006
Dev	.01151	.00182	.00138	.00274	.00006	.00362	.00185
RSD	54.766	50.313	46.907	32.414	1.4275	79.125	3112.0
	.02915	.00490	.00391	.00652	.00439	.00202	.00125
	.01288	.00233	.00196	.01040	.00448	.00714	.00137
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.00653	.00993	.00618	.00330	.00003		
Dev	.00264	.00373	.00144	.00047	.00048		
RSD	40.418	37.524	23.267	14.375	1555.6		
	.00840	.01256	.00516	.00297	.00037		
	.00466	.00730	.00719	.00364	.00031		

AD
9/23/00

Method: 6010B Sample Name: PBW
 Run Time: 08/23/00 12:16:00
 Comment: PBW
 Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.00291	.00652	.00059	.00172	.00079	.04752	.00079
Dev	.00014	.00347	.00050	.00141	.00077	.00000	.00011
RSD	4.7329	53.156	85.043	81.801	96.990	.00000	14.142
1	.00301	.00407	.00095	.00272	.00025	.04752	.00087
2	.00281	.00897	.00024	.00073	.00133	.04752	.00071
Element	Be3130	Cd2265	Ca3179	Cr2677	Cb2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.00082	.00047	.00825	.00016	-.00086	-.00081	.00585
Dev	.00092	.00010	.00000	.00093	.00095	.00119	.01323
RSD	112.62	20.094	.00000	601.58	111.12	146.85	226.27
1	.00147	.00054	.00825	.00082	-.00018	.00003	.01520
2	.00017	.00040	.00825	-.00050	-.00153	-.00165	-.00351
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.00004	.00684	-.00009	-.00012	-.23162	.00035	-.00010
Dev	.00006	.00560	.00010	.00077	.25022	.00100	.00014
RSD	138.83	81.876	113.74	620.51	108.03	282.89	140.05
1	.00009	.01080	-.00016	.00042	-.05469	.00106	-.00000
2	.00000	.00288	-.00002	-.00067	-.40856	-.00035	-.00020
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.01391	.00063	-.00038	-.00906	.00455	.00434	-.00039
Dev	.01457	.00123	.00016	.00156	.00153	.00242	.00083
RSD	104.76	196.42	41.959	17.274	33.718	55.693	214.69
1	.02421	-.00024	-.00027	-.01016	.00564	.00605	.00020
2	.00361	.00150	-.00049	-.00795	.00347	.00263	-.00097
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Average	.00292	.00375	-.00795	.00105	.00040		
Dev	.00055	.00034	.00064	.00205	.00039		
RSD	18.997	8.9283	8.0327	195.83	97.907		
1	.00331	.00399	-.00750	.00250	.00068		
2	.00253	.00351	-.00840	-.00040	.00012		

AD
8/23/00

thod: 6010B Sample Name: LCSW
 n Time: 08/23/00 12:23:46
 mment: LCSW
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.0507	5.0565	2.0247	1.0085	1.9772	1.0627	1.0462
Dev	.0148	.0377	.0217	.0078	.0178	.0004	.0035
RSD	.72375	.74588	1.0732	.77681	.89892	.03329	.33808

1	2.0612	5.0832	2.0401	1.0140	1.9898	1.0624	1.0487
2	2.0403	5.0298	-2.0094	1.0029	1.9647	1.0629	1.0437

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.92402	1.0279	10.993	.97621	.99343	1.0009	1.0140
Dev	.01012	.0098	.128	.01033	.00996	.0016	.0298
RSD	1.0953	.95309	1.1611	1.0579	1.0028	.15704	2.9361

1	.93118	1.0348	11.083	.98351	1.0005	1.0020	1.0351
2	.91687	1.0210	10.903	.96891	.98639	.99982	.99298

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.98714	11.050	1.0116	.25340	11.691	.98323	1.0534
Dev	.01020	.051	.0131	.00213	.168	.00850	.0099
RSD	1.0334	.46086	1.2931	.83986	1.4399	.86408	.94063

1	.99435	11.086	1.0208	.25490	11.810	.98923	1.0604
2	.97992	11.014	1.0023	.25189	11.571	.97722	1.0464

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	10.558	2.0072	1.9156	1.9514	2.0603	.98639	1.0186
Dev	.034	.0184	.0164	.0116	.0267	.00212	.0107
RSD	.31976	.91899	.85751	.59650	1.2954	.21497	1.0491

1	10.535	2.0203	1.9272	1.9596	2.0792	.98789	1.0262
2	10.582	1.9942	1.9040	1.9432	2.0414	.98489	1.0111

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	.96018	1.0335	Q1.2978	4.9248	.98660
Dev	.00288	.0045	.0124	.0534	.00452
RSD	.30043	.43453	.95643	1.0835	.45790

1	.96222	1.0366	Q1.3066	4.9625	.98340
2	.95814	1.0303	Q1.2890	4.8871	.98979

AD
8/23/00

thod: 6010B Sample Name: PBS
 n Time: 08/23/00 12:27:39
 mment: PBS
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00414	.00813	-.00020	.00107	.00378	.05477	.00024
Dev	.00113	.00228	.00016	.00115	.00032	.00248	.00011
RSD	27.321	28.068	79.775	107.97	8.4172	4.5203	47.140
1	.00494	.00652	-.00031	.00188	.00355	.05302	.00032
2	.00334	.00974	-.00009	.00025	.00400	.05652	.00016
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00111	.00086	-.00243	.00058	-.00006	-.00105	.00234
Dev	.00074	.00030	.00412	.00055	.00052	.00068	.02481
RSD	66.442	34.568	169.71	94.208	848.53	64.840	1060.7
1	.00163	.00107	.00049	.00097	.00031	-.00057	.01988
2	.00059	.00065	-.00534	.00019	-.00043	-.00153	-.01520
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	-.00004	.00288	-.00106	-.00013	-.40534	.00088	-.00020
Dev	.00006	.00509	.00049	.00087	.32301	.00075	.00014
RSD	150.29	176.78	46.547	687.83	79.690	84.724	71.227
1	.00000	.00648	-.00141	.00049	-.17693	.00141	-.00030
2	-.00008	-.00072	-.00071	-.00074	-.63375	.00035	-.00010
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01885	.00414	.00144	-.00806	.00287	.00427	-.00133
Dev	.01282	.00226	.00343	.00154	.00053	.00416	.00027
RSD	68.006	54.667	237.32	19.073	18.491	97.333	20.353
1	.02791	.00254	.00387	-.00914	.00324	.00721	-.00153
2	.00979	.00574	-.00098	-.00697	.00249	.00133	-.00114
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.00135	.00358	-.00942	.00418	.00006		
Dev	.00003	.00038	.00293	.00105	.00026		
RSD	2.3263	10.693	31.101	25.134	424.26		
1	.00137	.00385	-.00735	.00492	.00025		
2	.00132	.00331	-.01149	.00344	-.00012		

AD
8/23/00

Method: 6010B Sample Name: LCSS
 In Time: 08/23/00 12:32:43
 Comment: LCSS
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6450	.19865	1.0742	.17992	1.1174	1.5534	.02870
SD	.0291	.00153	.0084	.00479	.0132	.0103	.00028
RSD	.62704	.76746	.77892	2.6630	1.1852	.66031	.97802

t1	4.6656	.19757	1.0801	.18330	1.1267	1.5606	.02890
t2	4.6244	.19973	1.0683	.17653	1.1080	1.5461	.02850

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08233	.20683	732.84	.45685	.69690	31.932	100.59
SD	.00107	.00176	6.22	.00246	.00468	.108	.66
RSD	1.2948	.85120	.84849	.53836	.67125	.33805	.65282

t1	.08309	.20807	737.23	.45859	.70021	32.008	101.05
t2	.08158	.20558	728.44	.45511	.69359	31.856	100.12

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97674	538.93	.27746	.12173	-.12225	.30741	.91138
SD	.00822	3.79	.00238	.00084	.15923	.00047	.00772
RSD	.84133	.70245	.85856	.69062	130.26	.15192	.84728

t1	.98255	541.61	.27915	.12114	Q-.23484	.30774	.91684
t2	.97093	536.26	.27578	.12233	-.00965	.30708	.90592

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47311	1.1244	1.1017	1.0167	1.1019	.18241	.17781
SD	.01631	.0101	.0196	.0013	.0119	.00231	.00603
RSD	3.4486	.89685	1.7762	.12868	1.0791	1.2667	3.3909

t1	.46157	1.1315	1.1156	1.0176	1.1103	.18404	.18208
t2	.48464	1.1173	1.0879	1.0158	1.0935	.18078	.17355

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avge	.09156	.24728	1.5139	.03016	.08619
SD	.01017	.00012	.0120	.00093	.00052
RSD	11.103	.05025	.79115	3.0978	.60480

t1	.08437	.24719	1.5224	.02950	.08582
t2	.09875	.24736	1.5054	.03082	.08656

Method: 6010B Sample Name: EXT.BLANK Operator: AD
 In Time: 08/23/00 12:36:49
 Comment: EXT.BLANK
 Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00609	.01103	-.00658	.00458	-.00016	.00956	.00004
Dev	.00223	.00054	.00190	.00047	.00096	.00285	.00006
RSD	36.619	4.8947	28.907	10.242	587.49	29.773	141.42
#1	.00766	.01065	-.00523	.00425	.00051	.01157	-.00000
#2	.00451	.01142	-.00792	.00491	-.00084	.00755	.00008
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00172	.09965	.00529	.00025	.00111	.01290
Dev	.00085	.00021	.00894	.00039	.00017	.00021	.00166
RSD	190.61	12.515	8.9682	18.716	70.711	19.096	12.857
#1	.00105	.00157	.09333	.00459	.00037	.00096	.01173
#2	-.00016	.00187	.10597	.00599	.00012	.00126	.01407
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.00613	.00641	-.00028	H178.22	-.00053	.00293
Dev	.00000	.00765	.00047	.00005	1.21	.00025	.00007
RSD	.00904	124.78	7.2810	16.372	.67995	47.068	2.3867
#1	.00059	.00072	.00608	-.00031	H179.08	-.00071	.00288
#2	.00059	.01154	.00674	-.00025	H177.36	-.00035	.00298
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01732	.00285	-.00770	-.01721	-.00213	.01774	-.00284
Dev	.00816	.00069	.00150	.00043	.00264	.00015	.00063
RSD	47.140	24.145	19.459	2.5116	123.83	.81810	22.209
#1	.01155	.00334	-.00664	-.01691	-.00026	.01763	-.00329
#2	.02309	.00236	-.00876	-.01752	-.00399	.01784	-.00240
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.00085	-.00132	-.00007	.00344	-.00006		
Dev	.00038	.00024	.00053	.00229	.00009		
RSD	45.165	18.132	711.80	66.521	141.42		
#1	.00058	-.00115	-.00045	.00182	-.00012		
#2	.00112	-.00149	.00030	.00505	.00000		

22
8/23/00

Method: 6010B Sample Name: 32659T
 Time: 08/23/00 12:49:11
 Element:
 Element: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00444	.00923	-.00347	.00219	-.00062	.03246	.15376
Dev	.00031	.00252	.00053	.00047	.00068	.00391	.00028
RSD	6.9505	27.250	15.186	21.619	110.79	12.059	.18258

1	.00422	.00745	-.00310	.00185	-.00013	.02969	.15395
2	.00465	.01101	-.00385	.00252	-.00110	.03523	.15356

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00002	.00111	3.1515	-.00072	.00092	-.00137	1.1597
Dev	.00006	.00023	.0433	.00000	.00026	.00004	.0083
RSD	282.84	21.171	1.3743	.02292	28.284	3.1609	.71497

1	-.00002	.00128	3.1821	-.00072	.00110	-.00134	1.1656
2	.00007	.00094	3.1209	-.00072	.00074	-.00140	1.1538

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.06841	.39300	.00203	-.00031	H130.55	-.00006	.08553
Dev	.00060	.00306	.00079	.00027	.88	.00000	.00140
RSD	.87265	.77846	38.824	88.277	.67663	.71497	1.6432

1	.06883	.39517	.00147	-.00012	H131.17	-.00006	.08653
2	.06798	.39084	.00258	-.00050	H129.92	-.00006	.08454

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.46717	.00184	-.00705	-.01093	-.00061	.01237	-.00370
Dev	.00117	.00320	.00435	.00159	.00000	.00024	.00091
RSD	.24964	173.44	61.684	14.516	.23117	1.9548	24.511

1	.46634	.00410	-.01012	-.00981	-.00061	.01254	-.00434
2	.46799	-.00042	-.00397	-.01206	-.00061	.01220	-.00306

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Range	.02467	-.00179	.10210	.00372	-.00037
Dev	.00047	.00057	.00042	.00138	.00000
RSD	1.9148	32.031	.41673	37.139	.00000

1	.02501	-.00139	.10240	.00470	-.00037
2	.02434	-.00220	.10179	.00274	-.00037

AD
8/23/00

thod: 6010B Sample Name: 32659TD

Operator: AD

n Time: 08/23/00 12:52:23

mmment:

de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00456	.00604	-.00102	.00138	-.00146	.03749	.15173
Dev	.00000	.00067	.00019	.00112	.00136	.00249	.00022
RSD	.00220	11.145	19.001	81.273	93.556	6.6441	.14801

1	.00456	.00556	-.00088	.00059	-.00049	.03573	.15189
2	.00456	.00651	-.00116	.00217	-.00242	.03925	.15157

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00021	.00100	3.0800	-.00076	.00116	-.00128	1.1351
Dev	.00011	.00025	.0110	.00028	.00009	.00008	.0033
RSD	52.258	24.766	.35712	36.130	7.4432	6.6219	.29219

1	.00029	.00118	3.0878	-.00057	.00110	-.00122	1.1327
2	.00013	.00083	3.0723	-.00096	.00123	-.00134	1.1374

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.06697	.38327	.00227	-.00020	H128.66	-.00023	.08409
Dev	.00012	.00051	.00069	.00000	.20	.00025	.00007
RSD	.17770	.13304	30.267	.84860	.15870	106.98	.08346

1	.06706	.38363	.00179	-.00020	H128.80	-.00041	.08405
2	.06689	.38291	.00276	-.00019	H128.51	-.00006	.08414

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.46696	.00101	-.000789	-.000628	.000075	.00844	-.00295
Dev	.00146	.00231	.000054	.000090	.00016	.00106	.00229
RSD	.31219	229.20	6.8420	14.281	20.989	12.595	77.640

1	.46799	.00264	-.00827	-.00564	.00064	.00919	-.00457
2	.46593	-.00063	-.000751	-.000691	.00086	.00769	-.00133

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	.02418	-.00169	.10116	.00069	.00000
Dev	.00064	.00043	.00144	.00176	.00000
RSD	2.6574	25.448	1.4182	256.37	.00000

1	.02372	-.00199	.10014	-.00056	.00000
2	.02463	-.00139	.10217	.00193	.00000

AD
8/23/00

Method: 6010B Sample Name: 32659TS
 Time: 08/23/00 12:57:08
 Element: Conc
 Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.25678	.00508	.24479	.25254	-.00033	.04429	5.1796
Dev	.00127	.00214	.00015	.00058	.00026	.00142	.0108
RSD	.49437	42.169	.06014	.22874	76.207	3.2141	.20919

1	.25767	.00659	.24469	.25294	-.00051	.04529	5.1719
2	.25588	.00356	.24490	.25213	-.00015	.04328	5.1873

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00064	.05095	3.0562	.22991	.00349	-.00122	1.1257
Dev	.00071	.00027	.0021	.00022	.00026	.00068	.0133
RSD	111.27	.53229	.06749	.09544	7.4432	55.790	1.1785

1	.00114	.05076	3.0548	.23007	.00368	-.00074	1.1351
2	.00014	.05115	3.0577	.22876	.00331	-.00170	1.1163

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.06655	.37786	.00234	.47026	H128.83	-.00076	.08395
Dev	.00012	.00102	.00098	.00058	.07	.00050	.00028
RSD	.17781	.26989	41.913	.12287	.05513	65.409	.33563

1	.06647	.37858	.00304	.46985	H128.88	-.00041	.08375
2	.06663	.37714	.00165	.47067	H128.78	-.00112	.08415

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.46748	.00299	-.00860	.23236	.25014	.24903	.25348
Dev	.00335	.00089	.00269	.00145	.00050	.00164	.00012
RSD	.71725	29.600	31.271	.62252	.20047	.66027	.04768

1	.46985	.00362	-.01051	.23134	.25049	.25020	.25357
2	.46510	.00236	-.00670	.23339	.24978	.24787	.25340

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Range	.02356	-.00206	.10161	.00311	.00015
Dev	.00024	.00076	.00058	.00195	.00022
RSD	1.0159	37.055	.57470	62.711	141.42

1	.02373	-.00260	.10202	.00173	.00031
2	.02340	-.00152	.10119	.00449	.00000

AD
8/23/00

thod: 6010B Sample Name: 32659TSD

Operator: AD

n Time: 08/23/00 13:00:25

mment:

de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.26146	.00623	.24600	.25937	-.00161	.04353	5.2498
Dev	.00267	.00011	.00263	.00004	.00248	.00534	.0280
RSD	1.0230	1.8017	1.0672	.01491	154.56	12.262	.53257

1	.25956	.00615	.24785	.25939	-.00336	.03976	5.2301
2	.26335	.00631	.24414	.25934	.00015	.04731	5.2696

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00078	.05173	3.1053	.23427	.00300	-.00113	1.1503
Dev	.00050	.00153	.0000	.00022	.00026	.00081	.0017
RSD	64.526	2.9525	.00000	.09376	8.6585	71.551	.14417

1	.00113	.05281	3.1053	.23442	.00319	-.00056	1.1515
2	.00042	.05065	3.1053	.23411	.00282	-.00170	1.1492

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.06786	.38615	.00309	.47650	H129.01	-.00006	.08564
Dev	.00006	.00459	.00175	.00022	.56	.00050	.00070
RSD	.08789	1.1884	56.499	.04700	.43697	869.02	.82112

1	.06782	.38940	.00432	.47634	H128.61	.00030	.08514
2	.06790	.38291	.00186	.47666	H129.41	-.00041	.08613

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.47407	.00003	-.00640	.23256	.25184	.26099	.25770
Dev	.01210	.00359	.00027	.00179	.00304	.00928	.00458
RSD	2.5523	10324.	4.1578	.77013	1.2078	3.5555	1.7753

1	.48263	-.00250	-.00658	.23383	.25400	.26756	.25446
2	.46552	.00257	-.00621	.23130	.24969	.25443	.26093

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	.02455	-.00128	.10394	.00348	.00037
Dev	.00006	.00024	.00112	.00162	.00043
RSD	.23093	18.598	1.0734	46.471	117.85

1	.02451	-.00145	.10473	.00463	.00068
2	.02459	-.00112	.10315	.00234	.00006

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Method: 6010B Sample Name: 32659LX5

Operator: AD

Time: 08/23/00 13:04:47

Comment:

Mode: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	.00154	.00052	-.00013	-.00106	-.00082	.01887	.02977
Dev	.00209	.00342	.00209	.00111	.00111	.00107	.00045
RSD	136.22	652.10	1593.1	104.42	136.11	5.6570	1.5085

1	.00302	-.00189	-.00161	-.00028	-.00160	.01812	.02946
2	.00006	.00294	-.00135	-.00185	-.00003	.01963	.03009

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	.00082	.00065	.55320	.00085	.00061	-.00157	.22162
Dev	.00107	.00021	.01100	.00066	.00069	.00098	.02156
RSD	130.04	32.691	1.9883	77.492	113.14	62.257	9.7274

1	.00158	.00080	.54542	.00132	.00110	-.00088	.23687
2	.00007	.00050	.56098	.00038	.00012	-.00227	.20638

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	.01296	.05516	.00177	.00052	22.564	.00070	.01604
Dev	.00018	.00051	.00032	.00051	.271	.00050	.00021
RSD	1.3688	.92433	18.125	96.419	1.2000	71.682	1.3199

1	.01284	.05553	.00155	.00088	22.373	.00105	.01589
2	.01309	.05480	.00200	.00017	22.756	.00034	.01619

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	.09195	.00289	-.000974	.00182	-.00196	.00189	-.00334
Dev	.01166	.00113	.00107	.00376	.00126	.00073	.00123
RSD	12.684	39.189	11.034	206.07	63.992	38.524	36.729

1	.10020	.00209	-.01050	-.00083	-.00285	.00240	-.00247
2	.08370	.00369	-.00898	.00448	-.00107	.00137	-.00421

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Value	.00507	-.00087	.01838	.00618	.00025
Dev	.00015	.00019	.00005	.00062	.00026
RSD	2.8562	21.846	.28445	9.9749	106.07

1	.00518	-.00101	.01842	.00575	.00043
2	.00497	-.00074	.01834	.00662	.00006

AD
8/23/00

Method: 6010B Sample Name: CCV1
 Run Time: 08/23/00 13:08:36
 Comment: CCV
 Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	2.5132	2.4892	2.4279	2.4530	2.4356	4.8900	5.0178
Dev	.0179	.0100	.0124	.0167	.0089	.0185	.0307
RSD	.71094	.40098	.51056	.67921	.36732	.37841	.61091

1	2.5259	2.4962	2.4367	2.4647	2.4419	4.9031	5.0395
2	2.5006	2.4821	2.4191	2.4412	2.4293	4.8770	4.9961

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.12103	1.2403	11.808	.46905	1.1900	.62615	2.3874
Dev	.00189	.0071	.107	.00428	.0099	.00404	.0133
RSD	1.5616	.57146	.90826	.91338	.82984	.64459	.55569

1	.12237	1.2453	11.884	.47208	1.1970	.62901	2.3968
2	.11969	1.2353	11.732	.46602	1.1830	.62330	2.3780

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	1.1750	11.797	1.2224	.58791	12.194	1.1745	1.2477
Dev	.0095	.049	.0087	.00333	.138	.0080	.0096
RSD	.80724	.41495	.71388	.56701	1.1285	.68095	.76602

1	1.1817	11.831	1.2286	.59027	12.291	1.1802	1.2545
2	1.1683	11.762	1.2163	.58555	12.097	1.1689	1.2410

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	13.006	2.4752	2.3548	2.3119	2.4849	2.3571	2.5000
Dev	.005	.0041	.0186	.0018	.0195	.0026	.0237
RSD	.03475	.16690	.78954	.07807	.78417	.10843	.94811

1	13.003	2.4781	2.3679	2.3106	2.4987	2.3589	2.5167
2	13.009	2.4723	2.3416	2.3132	2.4711	2.3553	2.4832

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Average	2.4715	2.5354	2.4037	2.3710	2.3449
Dev	.0101	.0210	.0129	.0204	.0135
RSD	.40729	.82737	.53737	.86158	.57425

1	2.4786	2.5503	2.4128	2.3854	2.3354
2	2.4644	2.5206	2.3946	2.3565	2.3544

thod: 6010B Sample Name: CCB
 n Time: 08/23/00 13:12:49
 mment: CCB
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00191	.00056	-.00156	.00227	.00136	.01585	.00071
Dev	.00051	.00093	.00015	.00201	.00148	.00320	.00011
RSD	26.850	165.81	9.6599	88.845	109.47	20.203	15.713
1	.00155	.00122	-.00166	.00084	.00240	.01359	.00079
2	.00228	-.00010	-.00145	.00369	.00031	.01812	.00064
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00068	.00034	-.05250	.00008	.00061	-.00207	-.01290
Dev	.00087	.00029	.00687	.00066	.00035	.00055	.00498
RSD	127.51	84.558	13.095	845.60	56.569	26.651	38.569
1	.00129	.00014	-.04764	.00054	.00086	-.00168	-.00938
2	.00007	.00055	-.05736	-.00039	.00037	-.00247	-.01642
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	-.00004	-.02416	.00184	.00012	.14752	.00000	-.00005
Dev	.00006	.00357	.00044	.00036	.22638	.00000	.00021
RSD	140.24	14.775	24.023	300.02	153.46	38.567	435.12
1	-.00000	-.02163	.00153	.00038	.30760	.00000	.00010
2	-.00009	-.02668	.00216	-.00014	-.01255	.00000	-.00020
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00299	.00344	-.00433	-.00106	-.00266	.00666	-.00078
Dev	.00248	.00270	.00096	.00508	.00276	.00179	.00213
RSD	82.902	78.567	22.229	477.06	103.91	26.833	272.14
1	.00124	.00536	-.00501	.00253	-.00461	.00540	-.00229
2	.00474	.00153	-.00365	-.00466	-.00070	.00793	.00072
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.00316	.00345	-.00327	.00700	.00037		
Dev	.00140	.00115	.00282	.00095	.00009		
RSD	44.481	33.283	86.158	13.605	23.570		
1	.00415	.00426	-.00128	.00768	.00031		
2	.00216	.00264	-.00526	.00633	.00043		

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8/23/00

thod: 6010B Sample Name: 32894T
 n Time: 08/23/00 13:19:07
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00274	.00583	.00528	.00333	-.00074	.05284	.17630
Dev	.00038	.00308	.00002	.00016	.00078	.00071	.00107
RSD	13.775	52.887	.30795	4.8241	105.35	1.3469	.60504
1	.00247	.00801	.00527	.00321	-.00019	.05334	.17555
2	.00301	.00365	.00530	.00344	-.00130	.05234	.17706
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00117	.00143	2.7636	-.00062	.00067	-.00123	-.01290
Dev	.00074	.00009	.0131	.00055	.00130	.00055	.00166
RSD	63.401	6.0284	.47265	88.481	192.85	44.805	12.856
1	.00169	.00149	2.7543	-.00023	.00159	-.00084	-.01407
2	.00064	.00137	2.7728	-.00101	-.00025	-.00162	-.01173
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01797	.06310	.00097	-.00039	H142.55	-.00018	.18302
Dev	.00000	.00153	.00054	.00045	.64	.00075	.00183
RSD	.00056	2.4244	55.486	115.68	.44838	425.77	.99863
1	.01797	.06418	.00059	-.00007	H143.01	-.00071	.18172
2	.01797	.06202	.00136	-.00071	H142.10	.00035	.18431
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.71219	.00160	-.00694	-.00000	.00707	.01578	-.00374
Dev	.00160	.00108	.00019	.00020	.00013	.00126	.00087
RSD	.22516	67.636	2.7075	13201.	1.7755	7.9648	23.178
1	.71106	.00236	-.00681	.00014	.00698	.01666	-.00436
2	.71333	.00083	-.00707	-.00014	.00715	.01489	-.00313
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.05238	-.00091	.01568	.00088	-.00006		
Dev	.00032	.00062	.00059	.00076	.00009		
RSD	.61336	68.059	3.7300	86.936	141.42		
1	.05215	-.00047	.01610	.00141	.00000		
2	.05260	-.00135	.01527	.00034	-.00012		

AD
 8/23/00

thod: 6010B Sample Name: 32802T

Operator: AD

n Time: 08/23/00 13:23:27

ment:

de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00204	.00593	.00982	.00295	-.00248	.07247	.10242
Dev	.00007	.00609	.00058	.00143	.00007	.00214	.00112
RSD	3.3661	102.85	5.8876	48.604	2.9769	2.9462	1.0963
1	.00199	.00162	.00941	.00396	-.00243	.07398	.10322
2	.00208	.01024	-.01023	.00194	-.00253	.07096	.10163
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00088	.00125	10.706	-.00054	.00116	.00141	.01055
Dev	.00071	.00042	.069	.00066	.00130	.00021	.00166
RSD	80.615	33.497	.64857	121.14	111.65	15.046	15.713
1	.00138	.00096	10.755	-.00008	.00208	.00156	.01173
2	.00038	.00155	10.657	-.00101	.00025	.00126	.00938
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.20485	.52424	.00142	.00007	H126.13	.00035	.07250
Dev	.00221	.00816	.00049	.00036	1.23	.00000	.00021
RSD	1.0774	1.5562	34.504	523.54	.97484	.02349	.29041
1	.20641	.53001	.00177	.00032	H127.00	.00035	.07265
2	.20329	.51847	.00108	-.00019	H125.26	.00035	.07235
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.57200	.00021	-.00936	.00656	.01060	.01452	-.00363
Dev	.01064	.00020	.00062	.00009	.00091	.00092	.00162
RSD	1.8605	94.281	6.5760	1.2953	8.5830	6.3151	44.552
1	.57953	.00007	-.00892	.00662	.00995	.01517	-.00249
2	.56448	.00035	-.00980	.00650	.01124	.01387	-.00477
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.02227	-.00162	.28941	.00351	.00074		
Dev	.00006	.00000	.00452	.00076	.00035		
RSD	.25460	.00296	1.5615	21.726	47.140		
1	.02223	-.00162	.29260	.00297	.00098		
2	.02231	-.00162	.28621	.00404	.00049		

AD
8/23/00

thod: 6010B Sample Name: 32807T
 n Time: 08/23/00 13:27:28
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00456	.00600	.11912	.00452	-.00132	.04454	.05034
Dev	.00062	.00283	.00114	.00076	.00178	.00320	.00011
RSD	13.554	47.075	.96039	16.915	134.92	7.1908	.22306
1	.00499	.00401	.11993	.00398	-.00258	.04227	.05042
2	.00412	.00800	.11831	.00507	-.00006	.04680	.05026
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00109	.00217	54.721	-.00124	.00080	.00009	-.01876
Dev	.00072	.00010	.021	.00033	.00009	.00021	.00995
RSD	66.261	4.5373	.03768	26.497	10.879	240.79	53.033
1	.00160	.00210	54.736	-.00101	.00086	.00024	-.01173
2	.00058	.00224	54.707	-.00148	.00074	-.00006	-.02580
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.02273	.46403	.00021	-.00039	H129.19	-.00035	1.3059
Dev	.00018	.00153	.00025	.00036	.21	.00050	.0009
RSD	.78990	.32965	117.39	93.291	.16492	141.66	.07001
1	.02286	.46295	.00004	-.00013	H129.34	.00000	1.3053
2	.02261	.46511	.00038	-.00065	H129.04	-.00071	1.3066
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.62066	.00174	-.00895	.10856	.12354	.01546	-.00174
Dev	.00044	.00108	.00319	.00052	.00198	.00024	.00110
RSD	.07046	62.225	35.627	.47949	1.5987	1.5590	63.366
1	.62096	.00097	-.01121	.10819	.12494	.01529	-.00252
2	.62035	.00250	-.00670	.10893	.12214	.01563	-.00096
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.00902	-.00115	.16950	.00353	-.00018		
Dev	.00021	.00010	.00021	.00052	.00043		
RSD	2.3755	8.3401	.12561	14.841	235.70		
1	.00886	-.00108	.16935	.00391	.00012		
2	.00917	-.00122	.16965	.00316	-.00049		

AD
8/23/00

thod: 6010B Sample Name: 32808T
 n Time: 08/23/00 13:31:20
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00434	.00444	.05654	.00505	-.00161	.05485	.07539
Dev	.00072	.00025	.00064	.00011	.00047	.00071	.00028
RSD	16.609	5.6521	1.1308	2.2194	29.460	1.2974	.37235
1	.00485	.00462	.05609	.00513	-.00128	.05435	.07519
2	.00383	.00426	.05699	.00497	-.00195	.05536	.07559
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00120	.00252	48.030	-.00008	.00116	-.00015	-.00586
Dev	.00069	.00014	.060	.00110	.00009	.00038	.01492
RSD	57.475	5.4514	.12453	1412.0	7.4432	254.08	254.56
1	.00169	.00262	47.987	.00070	.00110	.00012	.00469
2	.00071	.00242	48.072	-.00085	.00123	-.00042	-.01642
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.03357	.44456	.00169	.00009	H128.84	.00053	.40380
Dev	.00012	.00255	.00194	.00086	.18	.00125	.00127
RSD	.35225	.57349	115.08	932.15	.13780	235.43	.31352
1	.03349	.44636	.00306	.00070	H128.72	.00141	.40290
2	.03366	.44276	.00031	-.00052	H128.97	-.00035	.40470
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.94969	.00017	-.00669	.04977	.05906	.01648	-.00146
Dev	.01531	.00113	.00084	.00179	.00006	.00285	.00118
RSD	1.6118	650.54	12.538	3.6020	.10758	17.307	80.665
1	.96052	.00097	-.00729	.04850	.05901	.01850	-.00230
2	.93887	-.00063	-.00610	.05104	.05910	.01447	-.00063
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.01013	-.00091	.19995	.00020	.00052		
Dev	.00106	.00033	.00053	.00190	.00048		
RSD	10.506	36.611	.26635	934.90	91.508		
1	.01089	-.00115	.19957	-.00114	.00086		
2	.00938	-.00068	.20032	.00155	.00018		

M
8/23/00

Method: 6010B Sample Name: 32809T
 Time: 08/23/00 13:35:01
 Comment:
 Element: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.00550	.00174	.04311	.00483	-.00306	.05259	.07396
Dev	.00134	.00575	.00064	.00252	.00016	.00036	.00051
RSD	24.302	329.98	1.4860	52.163	5.1322	.67673	.68319
1	.00456	-.00232	.04357	.00305	-.00295	.05284	.07432
2	.00645	.00581	.04266	.00661	-.00318	.05234	.07360
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.00117	.00159	52.529	-.00190	-.00006	-.00081	-.01993
Dev	.00086	.00045	.467	.00027	.00009	.00047	.00166
RSD	73.979	28.513	.88995	14.429	141.42	57.509	8.3189
1	.00178	.00127	52.859	-.00171	-.00012	-.00048	-.01876
2	.00056	.00191	52.198	-.00210	.00000	-.00114	-.02111
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.06735	.65188	.00139	-.00061	H130.28	-.00053	.36120
Dev	.00089	.00612	.00010	.00005	1.04	.00025	.00316
RSD	1.3285	.93864	7.0725	7.4574	.79730	47.214	.87571
1	.06799	.65621	.00132	-.00058	H131.01	-.00035	.36343
2	.06672	.64755	.00146	-.00065	H129.54	-.00071	.35896
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	1.1416	-.00156	-.00757	.03611	.04575	.01888	-.00299
Dev	.0039	.00103	.00254	.00222	.00207	.00377	.00197
RSD	.34477	65.997	33.570	6.1562	4.5254	19.965	66.016
1	1.1444	-.00230	-.00577	.03454	.04721	.01622	-.00438
2	1.1388	-.00083	-.00937	.03769	.04429	.02155	-.00159
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Average	.01382	-.00010	.21440	.00182	.00058		
Dev	.00012	.00043	.00117	.00238	.00022		
RSD	.86393	421.81	.54557	130.93	37.216		
1	.01374	-.00041	.21523	.00013	.00074		
2	.01391	.00020	.21358	.00350	.00043		

AD
8/23/00

Method: 6010B Sample Name: 32810T

Operator: AD

Time: 08/23/00 13:39:23

Comment:

Element: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00412	.00676	.08084	.00464	-.00370	.06416	.04700
Dev	.00021	.00014	.00064	.00126	.00029	.00036	.00011
RSD	5.0026	2.0825	.79598	27.099	7.7361	.55453	.23889

1	.00398	.00686	.08038	.00553	-.00349	.06442	.04692
2	.00427	.00666	.08129	.00375	-.00390	.06391	.04708

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00125	.00238	55.471	-.00062	.00086	.00078	-.00938
Dev	.00079	.00012	.081	.00000	.00035	.00042	.00995
RSD	63.018	4.8958	.14624	.01792	40.406	54.311	106.07

1	.00180	.00230	55.413	-.00062	.00110	.00108	-.01642
2	.00069	.00247	55.528	-.00062	.00061	.00048	-.00235

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.04572	.57869	.00124	-.00039	H127.80	-.00088	.46319
Dev	.00024	.00867	.00052	.00001	.36	.00025	.00218
RSD	.52334	1.4979	41.739	1.2883	.28480	28.356	.47032

1	.04555	.57256	.00087	-.00039	H128.06	-.00071	.46165
2	.04589	.58482	.00160	-.00038	H127.55	-.00106	.46474

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	1.0799	-.00049	-.00163	.07081	.08499	.01671	-.00214
Dev	.0026	.00059	.000204	.00049	.00072	.00425	.00024
RSD	.24299	121.22	17.554	.69043	.84791	25.445	11.144

1	1.0817	-.00090	-.01018	.07046	.08448	.01972	-.00231
2	1.0780	-.00007	-.01307	.07115	.08550	.01371	-.00197

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Range	.01199	-.00210	.22555	.00269	.00089
Dev	.00059	.00000	.00069	.00019	.00004
RSD	4.9381	.01378	.30625	7.0306	4.8766

1	.01241	-.00210	.22604	.00283	.00092
2	.01157	-.00209	.22506	.00256	.00086

AD
8/23/00

thod: 6010B Sample Name: 32811T
 n Time: 08/23/00 13:43:11
 nment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00470	.00406	.11587	.00536	-.00103	.05158	.03934
Dev	.00000	.00118	.00159	.00100	.00123	.00605	.00062
RSD	.00309	29.072	1.3727	18.727	118.90	11.728	1.5698
1	.00470	.00323	.11700	.00607	-.00016	.04731	.03891
2	.00470	.00490	-.11475	.00465	-.00190	.05586	.03978
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00121	.00218	57.500	-.00109	.00031	.00123	-.01524
Dev	.00071	.00028	.261	.00011	.00009	.00030	.00166
RSD	58.363	12.828	.45433	10.115	28.284	24.179	10.879
1	.00171	.00238	57.315	-.00117	.00037	.00144	-.01407
2	.00071	.00198	57.685	-.00101	.00025	.00102	-.01642
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.07031	.39733	.00191	-.00039	H132.17	.00018	.78942
Dev	.00042	.00816	.00030	.00018	1.05	.00025	.00506
RSD	.59388	2.0533	15.411	46.430	.79596	140.77	.64111
1	.07001	.39156	.00212	-.00026	H131.42	.00035	.78585
2	.07060	.40310	.00170	-.00052	H132.91	.00000	.79300
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.86506	.00167	-.00795	.10795	.11897	.01745	-.00154
Dev	.01079	.00226	.00084	.00673	.00097	.00048	.00126
RSD	1.2470	135.53	10.632	6.2315	.81848	2.7724	82.091
1	.85743	.00327	-.00854	.11271	.11828	.01779	-.00065
2	.87269	.00007	-.00735	.10319	.11966	.01711	-.00243
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.01250	-.00169	.15687	.00027	.00025		
Dev	.00088	.00038	.00069	.00029	.00017		
RSD	7.0030	22.624	.44073	105.85	70.711		
1	.01188	-.00142	.15638	.00047	.00037		
2	.01312	-.00196	.15736	.00007	.00012		

AD
 8/23/00

thod: 6010B Sample Name: 32812T
 n Time: 08/23/00 13:47:07
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00461	.00551	.04475	.00776	-.00252	.05460	.05272
Dev	.00137	.00038	.00042	.00192	.00061	.00391	.00011
RSD	29.787	6.8664	.93062	24.690	24.130	7.1688	.21299
1	.00364	.00525	.04504	.00912	-.00295	.05183	.05280
2	.00558	.00578	-.04445	.00641	-.00209	.05737	.05264
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00120	.00178	61.798	-.00050	.00043	-.00045	-.01876
Dev	.00072	.00041	.360	.00060	.00009	.00021	.00663
RSD	60.160	22.988	.58182	119.76	20.203	46.802	35.355
1	.00171	.00207	61.543	-.00093	.00049	-.00030	-.02345
2	.00069	.00149	62.052	-.00008	.00037	-.00060	-.01407
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01016	.64359	.00061	-.00033	H135.45	.00000	.24941
Dev	.00018	.00459	.00140	.00018	.11	.00050	.00211
RSD	1.7659	.71305	229.84	55.961	.08193	53323.	.84539
1	.01004	.64034	.00160	-.00046	H135.37	.00035	.24792
2	.01029	.64683	-.00038	-.00020	H135.53	-.00035	.25090
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.97051	.00035	-.00977	.03755	.04748	.02350	-.00095
Dev	.00918	.00128	.00073	.00026	.00075	.00039	.00268
RSD	.94632	367.70	7.5148	.68457	1.5852	1.6436	281.20
1	.96402	-.00056	-.00925	.03737	.04801	.02378	.00094
2	.97701	.00125	-.01029	.03773	.04695	.02323	-.00285
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.01080	-.00216	.19918	.00128	.00018		
Dev	.00003	.00038	.00170	.00162	.00009		
RSD	.23346	17.664	.85398	126.57	47.140		
1	.01078	-.00189	.19797	.00013	.00012		
2	.01081	-.00243	.20038	.00242	.00025		

thod: 6010B Sample Name: PBW
 n Time: 08/23/00 13:50:56
 nment: PBW
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00065	-.00023	-.00120	-.00135	-.00077	.03925	.00004
Dev	.00189	.00519	.00171	.00114	.00302	.00000	.00006
RSD	288.43	2219.2	142.52	83.990	392.13	.00000	141.42
1	.00199	-.00390	-.00240	-.00055	.00136	.03925	.00008
2	-.00068	.00343	-.00001	-.00216	-.00290	.03925	-.00000
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00145	.00075	-.04569	.00136	.00049	-.00165	.00235
Dev	.00075	.00007	.00137	.00082	.00104	.00106	.02653
RSD	52.093	9.2684	3.0090	60.547	212.13	64.418	1131.4
1	.00198	.00070	-.04667	.00194	.00123	-.00090	.02111
2	.00091	.00079	-.04472	.00078	-.00025	-.00241	-.01642
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00004	-.02452	.00134	.00054	.22285	-.00000	-.00015
Dev	.00018	.00510	.00209	.00087	.15536	.00100	.00021
RSD	418.47	20.797	155.98	160.17	69.715	852380.	142.93
1	.00017	-.02091	.00281	.00115	.33271	.00071	-.00030
2	-.00008	-.02812	-.00014	-.00007	.11299	-.00071	.00000
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.02257	.00198	-.00778	-.00026	-.00252	.00455	-.00510
Dev	.01822	.00398	.00108	.00380	.00446	.00237	.00060
RSD	80.720	200.97	13.918	1459.2	176.78	52.139	11.690
1	.03546	.00480	-.00702	.00243	-.00567	.00622	-.00468
2	.00969	-.00083	-.00855	-.00295	.00063	.00287	-.00552
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.00032	-.00047	-.00511	.00828	.00031		
Dev	.00042	.00096	.00106	.00019	.00035		
RSD	129.65	202.22	20.778	2.3311	113.14		
1	.00061	.00020	-.00436	.00842	.00055		
2	.00003	-.00115	-.00586	.00815	.00006		

Handwritten signature/initials

Method: 6010B Sample Name: LCSW
 Date Time: 08/23/00 13:55:10
 Element: LCSW
 Type: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	2.0344	4.9652	1.9539	.99790	1.9209	1.0133	1.0216
Dev	.0007	.0026	.0109	.00799	.0068	.0028	.0036
RSD	.03203	.05185	.55951	.80035	.35388	.24585	.35722

1	2.0339	4.9671	1.9617	1.0035	1.9257	1.0150	1.0242
2	2.0349	4.9634	1.9462	.99225	1.9161	1.0115	1.0190

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.88872	1.0026	10.320	.92025	.95018	.99297	.97913
Dev	.00440	.0036	.071	.00495	.00528	.00272	.00166
RSD	.49521	.36271	.68616	.53745	.55610	.27380	.16937

1	.89183	1.0052	10.370	.92375	.95392	.99490	.97795
2	.88561	1.0001	10.270	.91876	.94644	.99105	.98030

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.92876	10.606	.98265	.24060	11.121	.92840	1.0257
Dev	.00555	.029	.00651	.00148	.173	.00325	.0047
RSD	.59725	.27402	.66303	.61628	1.5567	.35001	.45909

1	.93268	10.627	.98725	.24165	11.243	.93070	1.0290
2	.92484	10.586	.97804	.23955	10.998	.92610	1.0224

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	10.525	1.9808	1.7996	1.8426	2.0087	.94966	1.0212
Dev	.053	.0066	.0072	.0139	.0095	.00787	.0080
RSD	.50245	.33269	.40088	.75171	.47172	.82914	.78757

1	10.562	1.9854	1.8047	1.8523	2.0154	.95523	1.0269
2	10.487	1.9761	1.7945	1.8328	2.0020	.94409	1.0155

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Average	.94864	1.0168	Q1.2418	4.7151	.93807
Dev	.00277	.0066	.0077	.0322	.00977
RSD	.29151	.64853	.62075	.68362	1.0419

1	.95060	1.0214	Q1.2473	4.7379	.93116
2	.94669	1.0121	Q1.2364	4.6923	.94498

172
8/23/00

thod: 6010B Sample Name: CCV1
 n Time: 08/23/00 13:59:08
 mment: CCV
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.4621	2.4419	2.3635	2.4056	2.3687	4.7589	4.8740
Dev	.0104	.0181	.0015	.0004	.0027	.0139	.0214
RSD	.42343	.74070	.06454	.01845	.11491	.29161	.44002

1	2.4548	2.4291	2.3624	2.4053	2.3668	4.7491	4.8589
2	2.4695	2.4547	2.3646	2.4059	2.3707	4.7688	4.8892

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.11698	1.2099	11.362	.45251	1.1513	.61207	2.3347
Dev	.00007	.0070	.063	.00187	.0049	.00144	.0050
RSD	.06189	.58238	.55061	.41256	.42885	.23591	.21309

1	.11703	1.2049	11.318	.45119	1.1478	.61105	2.3311
2	.11693	1.2149	11.406	.45383	1.1548	.61309	2.3382

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.1272	11.412	1.1938	.56436	12.028	1.1288	1.2144
Dev	.0056	.053	.0052	.00207	.124	.0052	.0074
RSD	.49746	.46467	.43243	.36688	1.0333	.46501	.61344

1	Q1.1232	11.375	1.1902	.56289	12.116	1.1250	1.2091
2	1.1312	11.450	1.1975	.56582	11.940	1.1325	1.2196

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	13.006	2.4242	2.2562	2.2231	2.4326	2.2974	2.4589
Dev	.001	.0103	.0125	.0012	.0018	.0101	.0043
RSD	.00673	.42602	.55458	.05538	.07496	.43951	.17486

1	13.005	2.4169	2.2651	2.2222	2.4314	2.2903	2.4619
2	13.006	2.4315	2.2474	2.2240	2.4339	2.3046	2.4558

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	2.4178	2.5012	2.3112	2.2979	2.2559
Dev	.0136	.0086	.0104	.0124	.0403
RSD	.56094	.34388	.45074	.53877	1.7850

1	2.4082	2.4951	2.3039	2.2891	2.2274
2	2.4274	2.5073	2.3186	2.3066	2.2843

8/23/00

thod: 6010B Sample Name: CCB
 n Time: 08/23/00 14:02:56
 mment: CCB
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00070	.00725	-.00038	.00195	.00093	.02818	.00032
Dev	.00010	.00123	.00193	.00015	.00044	.00000	.00011
RSD	14.737	16.914	508.89	7.5753	47.925	.00000	35.355
1	.00063	.00812	.00098	.00205	.00124	.02818	.00024
2	.00078	.00638	-.00174	.00184	.00061	.02818	.00040
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00124	.00084	-.05250	.00012	.00018	-.00217	-.01759
Dev	.00080	.00036	.00687	.00049	.00026	.00085	.01492
RSD	64.852	43.254	13.095	422.29	141.42	39.308	84.853
1	.00067	.00058	-.05736	-.00023	.00000	-.00277	-.02814
2	.00180	.00110	-.04764	.00047	.00037	-.00156	-.00704
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00004	-.02560	.00056	.00002	.08161	-.00018	.00005
Dev	.00006	.00561	.00044	.00023	.24857	.00075	.00007
RSD	146.01	21.910	79.135	1010.0	304.60	425.96	135.62
1	-.00000	-.02957	.00025	-.00014	-.09416	-.00071	.00000
2	.00008	-.02163	.00087	.00019	.25738	.00035	.00010
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00371	.00362	-.00607	-.00082	-.00101	.01056	-.00315
Dev	.00787	.00069	.00020	.00566	.00006	.00005	.00027
RSD	212.13	19.037	3.2425	687.14	6.2716	.44824	8.6716
1	-.00186	.00410	-.00621	.00318	-.00097	.01059	-.00296
2	.00928	.00313	-.00593	-.00483	-.00106	.01053	-.00335
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.00256	.00243	-.00549	.00663	.00028		
Dev	.00038	.00143	.00117	.00005	.00039		
RSD	15.002	58.920	21.300	.74045	141.42		
1	.00283	.00345	-.00631	.00660	.00000		
2	.00229	.00142	-.00466	.00667	.00055		

AD
8/23/00

Method: 6010B Sample Name: 32653

Operator: AD

Run Time: 08/23/00 14:09:00

Comment:

Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00053	-.00083	-.00071	.00114	.00008	.09562	.00210
Dev	.00027	.00570	.00116	.00188	.00009	.00783	.00017
RSD	51.454	685.82	162.81	165.10	119.78	8.1876	8.0050
#1	-.00073	-.00487	-.00154	.00247	.00014	.09008	.00222
#2	-.00034	.00320	-.00011	-.00019	.00001	.10115	.00198
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00166	.00062	.31938	.00101	.00037	.00238	.05629
Dev	.00077	.00001	.00481	.00044	.00052	.00030	.00663
RSD	46.543	1.5488	1.5068	43.561	141.42	12.533	11.785
#1	.00220	.00063	.32278	.00132	.00074	.00259	.06098
#2	.00111	.00062	.31598	.00070	.00000	.00217	.05159
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00671	.01118	.00290	.00012	.37351	.00017	.09459
Dev	.00006	.00051	.00042	.00023	.14648	.00025	.00148
RSD	.89299	4.5620	14.400	184.68	39.218	143.90	1.5604
#1	.00675	.01154	.00319	.00028	.47709	-.00000	.09563
#2	.00667	.01082	.00260	-.00004	.26993	.00035	.09354
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37913	.00306	-.00740	-.00132	-.00127	.00431	-.00124
Dev	.00262	.00010	.00008	.00034	.00157	.00232	.00391
RSD	.69211	3.2141	1.0240	26.191	123.64	53.874	314.24
#1	.37728	.00313	-.00735	-.00156	-.00238	.00267	.00152
#2	.38099	.00299	-.00746	-.00107	-.00016	.00595	-.00400
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.01527	.00341	.06930	.00580	.00031		
Dev	.00065	.00005	.00000	.00057	.00009		
RSD	4.2905	1.3939	.00008	9.8569	28.284		
#1	.01573	.00338	.06930	.00620	.00037		
#2	.01481	.00345	.06930	.00540	.00025		

AD
8/23/00

thod: 6010B Sample Name: 32654
 n Time: 08/23/00 14:13:14
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.04628	.00157	-.00081	.00314	.00101	.22948	.12918
Dev	.00062	.00015	.00326	.00104	.00012	.00142	.00011
RSD	1.3346	9.6188	402.03	33.082	11.365	.62027	.08692
1	.04584	.00146	.00149	.00240	.00109	.22847	.12926
2	.04671	.00167	-.00311	.00387	.00093	.23049	.12910
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00149	.00053	15.760	.00450	.00135	.01003	.26853
Dev	.00094	.00022	.017	.00033	.00104	.00064	.00829
RSD	63.185	40.671	.10905	7.3177	77.139	6.3441	3.0878
1	.00216	.00069	15.773	.00474	.00208	.01048	.26266
2	.00082	.00038	15.748	.00427	.00061	.00958	.27439
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.03756	16.256	.00313	-.00034	H252.81	.00016	.04096
Dev	.00012	.007	.00012	.00085	.01	.00125	.00091
RSD	.31597	.04078	3.9547	248.13	.00351	765.49	2.2325
1	.03764	16.252	.00321	.00026	H252.80	.00105	.04160
2	.03748	16.261	.00304	-.00094	H252.81	-.00072	.04031
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	H46.760	.00320	-.00488	.00175	-.00294	.00823	-.00015
Dev	.084	.00020	.00074	.00563	.00207	.00256	.00028
RSD	.17958	6.1487	15.136	322.37	70.375	31.137	183.15
1	H46.700	.00306	-.00436	.00573	-.00148	.00642	-.00035
2	H46.819	.00334	-.00540	-.00223	-.00441	.01004	.00004
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.20026	.13851	12.493	.00525	.00080		
Dev	.00016	.00053	.010	.00290	.00069		
RSD	.07863	.37967	.07741	55.260	87.029		
1	.20037	.13813	12.500	.00731	.00129		
2	.20015	.13888	12.486	.00320	.00031		

AD
 8/23/00

thod: 6010B Sample Name: 32655
 n Time: 08/23/00 14:17:20
 nment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	.03454	.00080	-.00011	.00396	.00153	.23089	.12815
Dev	.00158	.00119	.00045	.00077	.00034	.00142	.00090
RSD	4.5678	149.22	407.86	19.399	22.007	61621	.70097
1	.03565	.00164	-.00043	.00450	.00129	.23200	.12878
2	.03342	-.00004	.00021	.00342	.00177	.22998	.12751
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	.00157	.00058	15.104	.00431	.00074	.00783	.21693
Dev	.00083	.00014	.105	.00060	.00017	.00017	.00166
RSD	53.093	24.093	.69638	14.028	23.570	2.1683	.76444
1	.00216	.00068	15.179	.00388	.00061	.00771	.21811
2	.00098	.00048	15.030	.00474	.00086	.00795	.21576
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	.04675	15.554	.00167	-.00053	H266.31	-.00107	.04044
Dev	.00036	.071	.00042	.00009	1.34	.00000	.00014
RSD	.76581	.45568	25.035	16.894	.50172	.00774	.34174
1	.04700	15.604	.00196	-.00059	H267.25	-.00107	.04053
2	.04650	15.504	.00137	-.00046	H265.36	-.00107	.04034
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	45.000	.00261	-.00214	.00078	-.00141	.00736	.00151
Dev	.118	.00103	.00308	.00211	.00173	.00251	.00241
RSD	.26208	39.598	143.95	271.74	122.45	34.129	159.52
1	H45.083	.00334	-.00431	.00226	-.00263	.00559	.00321
2	44.916	.00188	.00004	-.00071	-.00019	.00914	-.00019
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
rge	.18189	.13871	11.827	.00437	.00061		
Dev	.00095	.00014	.074	.00024	.00009		
RSD	.52295	.10338	.62235	5.4480	14.142		
1	.18256	.13881	11.879	.00454	.00068		
2	.18122	.13861	11.775	.00421	.00055		

AD
 8/23/00

thod: 6010B Sample Name: 32656
 n Time: 08/23/00 14:21:25
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.03905	.00225	-.00174	.00300	.00146	.20130	.12219
Dev	.00192	.00278	.00071	.00325	.00146	.00000	.00022
RSD	4.9181	123.71	40.956	108.12	99.746	.00000	.18378
1	.03769	.00028	-.00225	.00071	.00249	.20130	.12204
2	.04041	.00422	-.00124	.00530	.00043	.20130	.12235
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00161	.00048	14.832	.00446	.00129	.00802	.24156
Dev	.00093	.00019	.060	.00028	.00043	.00009	.00000
RSD	57.520	40.663	.40325	6.1552	33.672	1.0604	.00000
1	.00227	.00034	14.790	.00427	.00098	.00808	.24156
2	.00096	.00061	14.874	.00466	.00159	.00795	.24156
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.03275	15.346	.00116	-.00010	H243.68	-.00037	.03731
Dev	.00012	.061	.00064	.00005	.34	.00000	.00035
RSD	.36425	.39540	54.972	44.184	.14027	.00000	.94740
1	.03267	15.303	.00071	-.00007	H243.43	-.00037	.03756
2	.03283	15.389	.00161	-.00013	H243.92	-.00037	.03706
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	44.968	.00463	-.00638	.00238	-.00466	.00816	-.00038
Dev	.144	.00103	.00231	.00170	.00022	.00681	.00154
RSD	.31997	22.330	36.200	71.658	4.7172	83.493	405.93
1	44.866	.00536	-.00474	.00117	-.00481	.00334	-.00147
2	H45.070	.00389	-.00801	.00358	-.00450	.01298	.00071
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.19062	.12712	11.700	.00552	.00052		
Dev	.00019	.00057	.023	.00043	.00013		
RSD	.09914	.45107	.19851	7.7633	24.957		
1	.19049	.12752	11.683	.00582	.00043		
2	.19076	.12671	11.716	.00522	.00061		

AD
 8/23/00

Method: 6010B Sample Name: 32657

Operator: AD

Time: 08/23/00 14:25:32

Element:

Unit: CONC Corr. Factor: 1

em	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
its	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ge	.04155	.00029	.00144	.00314	.00218	.23174	.12783
ev	.00100	.00438	.00043	.00094	.00053	.00107	.00011
SD	2.3953	1531.3	30.233	29.941	24.383	.46067	.08784

	.04084	-.00281	.00113	.00247	.00180	.23099	.12775
	.04225	.00339	.00174	.00380	.00256	.23250	.12791

em	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
its	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ge	.00163	.00054	15.558	.00520	.00178	.01249	.25797
ev	.00094	.00009	.045	.00011	.00043	.00038	.01658
SD	58.135	17.347	.29164	2.1048	24.383	3.0499	6.4282

	.00229	.00048	15.526	.00513	.00208	.01276	.24625
	.00096	.00061	15.590	.00528	.00147	.01222	.26970

em	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
its	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ge	.03866	15.955	.00220	.00038	H246.16	-.00019	.04808
ev	.00012	.004	.00025	.00044	.01	.00025	.00014
SD	.31166	.02237	11.212	115.13	.00541	131.37	.29081

	.03857	15.952	.00238	.00070	H246.16	-.00037	.04798
	.03874	15.957	.00203	.00007	H246.15	-.00001	.04817

em	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
its	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ge	44.714	.00421	-.00338	.00342	-.00041	.00655	.00063
ev	.048	.00005	.00169	.00331	.00100	.00116	.00075
SD	.10792	1.1688	50.060	96.909	243.22	17.718	120.00

	44.680	.00424	-.00458	.00108	.00030	.00573	.00009
	44.748	.00417	-.00219	.00577	-.00112	.00737	.00116

em	B_2496	Mo2020	Si2881	Sn1899	Ti3349
its	ppm	ppm	ppm	ppm	ppm
ge	.19576	.14161	12.211	.00559	.00086
ev	.00214	.00034	.007	.00062	.00000
SD	1.0940	.23655	.05963	11.042	.00000

	.19425	.14138	12.205	.00603	.00086
	.19728	.14185	12.216	.00515	.00086

AD
8/23/00

Method: 6010B Sample Name: 32835
 Time: 08/23/00 14:29:29
 Comment: W071/111AFVRWC-0800
 Element: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00073	.00244	.00731	-.00015	.00047	.09058	.17646
Dev	.00147	.00183	.00026	.00115	.00035	.00071	.00051
RSD	201.00	74.976	3.5547	756.02	74.476	.78567	.28635
1	.00178	.00373	.00750	-.00096	.00022	.09008	.17611
2	-.00031	.00115	.00713	.00066	.00072	.09109	.17682
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00166	.00059	45.760	.00148	.00110	-.00066	2.0063
Dev	.00086	.00010	.190	.00027	.00069	.00068	.0083
RSD	52.088	16.520	.41465	18.589	62.854	102.97	.41327
1	.00227	.00053	45.894	.00167	.00159	-.00018	2.0122
2	.00105	.00066	45.626	.00128	.00061	-.00114	2.0005
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.46087	11.919	.14190	-.00024	117.59	-.00010	.02935
Dev	.00131	.004	.00039	.00041	.10	.00100	.00000
RSD	.28485	.02995	.27674	172.74	.08305	996.26	.00153
1	.46180	11.921	.14218	.00005	117.66	.00061	.02935
2	.45994	11.916	.14163	-.00053	117.52	-.00081	.02935
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	10.670	.00167	-.00343	.00583	.00720	.00197	-.00196
Dev	.019	.00285	.00677	.00392	.00157	.00082	.00213
RSD	.17626	170.88	197.11	67.308	21.795	41.671	108.56
1	10.657	.00369	-.00822	.00860	.00609	.00255	-.00347
2	10.683	-.00035	.00135	.00305	.00831	.00139	-.00046
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.09270	.00202	1.9996	.00475	.00092		
Dev	.00053	.00010	.0035	.00233	.00009		
RSD	.57761	4.7241	.17276	49.141	9.4281		
1	.09308	.00195	2.0021	.00640	.00098		
2	.09232	.00209	1.9972	.00310	.00086		

AD
 8/23/00

thod: 6010B Sample Name: 32698
 n Time: 08/23/00 14:33:35
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00136	.00041	.07215	-.00101	-.00154	.09159	.01457
Dev	.00192	.00055	.00033	.00078	.00073	.00000	.00006
RSD	141.25	135.56	.45837	77.133	47.280	.00000	.38535
1	.00000	.00002	.07192	-.00155	-.00102	.09159	.01461
2	.00272	.00079	.07238	-.00046	-.00205	.09159	.01453
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00159	.00068	14.218	.00101	.00086	1.0015	.07153
Dev	.00096	.00014	.025	.00066	.00017	.0060	.00166
RSD	60.431	20.523	.17407	65.359	20.203	.60255	2.3184
1	.00227	.00058	14.235	.00054	.00074	1.0058	.07036
2	.00091	.00078	14.200	.00148	.00098	.99724	.07270
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01106	4.5556	.00338	.00007	32.778	.00070	.02753
Dev	.00012	.0046	.00106	.00022	.058	.00050	.00007
RSD	1.0778	.10074	31.242	331.52	.17605	71.058	.25562
1	.01114	4.5588	.00413	.00023	32.737	.00035	.02748
2	.01097	4.5523	.00264	-.00009	32.819	.00106	.02758
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.9048	.00101	-.00813	.07146	.07164	.00328	-.00395
Dev	.0022	.00103	.00011	.00058	.00078	.00019	.00118
RSD	.11480	102.41	1.3827	.80852	1.0948	5.8914	29.983
1	1.9064	.00174	-.00806	.07187	.07108	.00341	-.00478
2	1.9033	.00028	-.00821	.07105	.07219	.00314	-.00311
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.22245	-.00047	1.6982	.14135	.00074		
Dev	.00001	.00124	.0062	.00095	.00009		
RSD	.00283	263.81	.36616	.67382	11.785		
1	.22244	-.00135	1.7026	.14067	.00068		
2	.22245	.00041	1.6938	.14202	.00080		

AD
8/23/00

Method: 6010B Sample Name: 32703

Operator: AD

Time: 08/23/00 14:37:26

Comment:

Element: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.02783	.01358	-.01203	.08047	-.04593	-.00981	.07583
Dev	.00120	.00234	.00178	.00141	.00071	.00320	.00022
SD	4.3122	17.220	14.824	1.7505	1.5520	32.635	.29617

	.02698	.01192	-.01077	.08147	-.04644	-.01208	.07567
	.02868	.01523	-.01329	.07948	-.04543	-.00755	.07598

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	-.00059	.00248	173.02	.32754	1.2245	5.2462	1.6616
Dev	.00104	.00010	.03	.00154	.0010	.0449	.0017
SD	175.46	3.8945	.01987	.46984	.07782	.85621	.09980

	.00014	.00255	173.05	.32645	1.2238	5.2144	1.6628
	-.00133	.00241	173.00	.32863	1.2251	5.2780	1.6604

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.08481	38.280	3.1998	-.00120	H14378.	-.00468	.21067
Dev	.00000	.053	.0045	.00054	59.	.00050	.00176
SD	.00005	.13853	.14138	44.886	.41147	10.687	.83340

	.08481	38.242	3.1966	-.00082	H14336.	-.00503	.20943
	.08481	38.317	3.2030	-.00159	H14420.	-.00432	.21191

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	H454.42	.00240	-.14425	-.03963	.00079	.11574	.06206
Dev	2.53	.00251	.00288	.00303	.00116	.00092	.00158
SD	.55782	104.53	1.9985	7.6495	146.88	.79350	2.5422

	H452.62	.00063	-.14221	-.03749	.00161	.11639	.06318
	H456.21	.00417	-.14629	-.04178	-.00003	.11509	.06094

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Range	H142.50	2.7618	27.418	.01525	.01824
Dev	.50	.0079	.110	.00743	.00043
SD	.34948	.28721	.40122	48.709	2.3808

	H142.15	2.7562	27.340	.01000	.01794
	H142.86	2.7674	27.496	.02050	.01855

AD
8/23/00

thod: 6010B Sample Name: 32703X100 Operator: AD
 n Time: 08/23/00 14:41:32
 mment:
 de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	-.00051	.00308	-.00353	-.00022	.00140	.07851	.00087
Dev	.00038	.00185	.00033	.00008	.00040	.00000	.00000
RSD	73.957	59.812	9.3280	37.834	28.870	.00000	.00000
1	-.00078	.00178	-.00376	-.00016	.00169	.07851	.00087
2	-.00024	.00439	-.00329	-.00028	.00112	.07851	.00087
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00199	.00055	2.1554	.00400	.01721	.05734	.00469
Dev	.00093	.00004	.1677	.00016	.00182	.00553	.00000
RSD	46.584	7.8682	7.7823	4.1169	10.569	9.6354	.00000
1	.00265	.00058	2.2741	.00412	.01850	.06124	.00469
2	.00134	.00052	2.0368	.00389	.01593	.05343	.00469
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00089	.57905	.04857	-.00041	H162.82	-.00018	.00237
Dev	.00006	.04895	.00256	.00013	14.15	.00025	.00014
RSD	6.7188	8.4536	5.2641	32.822	8.6887	141.23	5.8724
1	.00093	.61366	.05038	-.00051	H172.82	-.00000	.00246
2	.00085	.54443	.04676	-.00032	H152.81	-.00035	.00227
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	9.6629	.00372	-.00474	-.00460	-.00384	.00571	-.00398
Dev	.7750	.00074	.00269	.00375	.00138	.00285	.00122
RSD	8.0200	19.825	56.872	81.513	35.914	49.965	30.694
1	10.211	.00320	-.00283	-.00726	-.00287	.00772	-.00485
2	9.1149	.00424	-.00664	-.00195	-.00482	.00369	-.00312
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	1.9993	.03470	.32288	.00371	.00018		
Dev	.1483	.00349	.02572	.00019	.00009		
RSD	7.4170	10.052	7.9664	5.1377	47.140		
1	2.1041	.03717	.34106	.00357	.00025		
2	1.8944	.03223	.30469	.00384	.00012		

MP
8/23/00

thod: 6010B Sample Name: 32703X1000
 n Time: 08/23/00 14:52:28
 nment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	-.00041	.00119	-.00267	.00047	-.00051	.06442	-.00000
Dev	.00120	.00098	.00064	.00202	.00231	.00071	.00000
RSD	290.59	82.463	24.122	428.00	456.94	1.1049	.00000

1	.00044	.00050	-.00313	.00190	.00113	.06391	-.00000
2	-.00126	.00189	-.00222	-.00095	-.00214	.06492	-.00000

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	.00202	.00059	.12153	.00066	.00147	.00213	-.00117
Dev	.00101	.00028	.00688	.00060	.00104	.00089	.00498
RSD	49.732	47.267	5.6568	91.502	70.711	41.852	424.26

1	.00274	.00040	.12639	.00109	.00221	.00276	.00235
2	.00131	.00079	.11667	.00023	.00074	.00150	-.00469

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	-.00008	.02199	.00422	-.00006	18.823	.00053	.00015
Dev	.00000	.00153	.00017	.00054	.990	.00025	.00021
RSD	.40063	6.9551	4.0832	844.65	5.2569	47.088	141.90

1	-.00008	.02308	.00410	.00032	19.523	.00071	.00030
2	-.00008	.02091	.00435	-.00045	18.124	.00035	-.00000

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
rge	.72549	.00316	-.00947	-.00311	-.00331	.00410	-.00214
Dev	.02187	.00251	.00177	.00234	.00213	.00802	.00091
RSD	3.0141	79.258	18.710	75.223	64.390	195.64	42.267

1	.74095	.00494	-.00821	-.00145	-.00482	.00977	-.00278
2	.71003	.00139	-.01072	-.00476	-.00180	-.00157	-.00150

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
rge	.19656	.00182	.03179	.00485	.00003
Dev	.00537	.00067	.00191	.00143	.00022
RSD	2.7336	36.658	6.0172	29.439	707.11

1	.20036	.00135	.03314	.00384	.00018
2	.19276	.00230	.03044	.00586	-.00012

AD
8/23/00

thod: 6010B Sample Name: CCV1
n Time: 08/23/00 14:56:45
mment: CCV
de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.4609	2.4725	2.4845	2.4022	2.4769	5.0257	5.0599
Dev	.0055	.0023	.0173	.0085	.0167	.0117	.0124
RSD	.22474	.09390	.69758	.35341	.67345	.23315	.24444
1	2.4648	2.4709	2.4967	2.4082	2.4887	5.0339	5.0686
2	2.4570	2.4742	2.4722	2.3962	2.4651	5.0174	5.0511
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.12522	1.2455	12.377	.49513	1.2405	.62094	2.4480
Dev	.00166	.0062	.055	.00219	.0051	.00233	.0052
RSD	1.3215	.49917	.44608	.44309	.40712	.37486	.21439
1	.12639	1.2499	12.416	.49668	1.2441	.62259	2.4518
2	.12405	1.2411	12.338	.49358	1.2370	.61930	2.4443
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.2465	12.322	1.2461	.62096	11.676	1.2405	1.2651
Dev	.0046	.027	.0034	.00246	.391	.0058	.0063
RSD	.36925	.22126	.27013	.39664	3.3455	.47151	.50023
1	1.2498	12.341	1.2485	.62270	11.952	1.2447	1.2696
2	1.2433	12.303	1.2437	.61922	11.400	1.2364	1.2606
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	13.068	2.4698	2.4894	2.4708	2.4902	2.3804	2.4123
Dev	.023	.0138	.0226	.0036	.0245	.0080	.0088
RSD	.17291	.55891	.90759	.14437	.98407	.33465	.36278
1	13.084	2.4796	2.5054	2.4733	2.5075	2.3860	2.4184
2	13.052	2.4600	2.4734	2.4683	2.4729	2.3748	2.4061
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	2.4773	2.4996	2.5163	2.4845	2.4449		
Dev	.0036	.0084	.0074	.0117	.0270		
RSD	.14669	.33799	.29335	.47085	1.1032		
1	2.4799	2.5056	2.5216	2.4927	2.4258		
2	2.4748	2.4937	2.5111	2.4762	2.4640		

AD
8/23/00

thod: 6010B Sample Name: CCB
 n Time: 08/23/00 15:03:34
 mment: CCB
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	-.00019	.00157	-.00221	.00307	.00178	.06602	.00133
Dev	.00310	.00561	.00083	.00265	.00017	.00340	.00047
RSD	1611.8	356.92	37.456	86.300	9.6161	5.1530	35.355
1	-.00239	.00554	-.00279	.00494	.00165	.06842	.00166
2	.00200	-.00239	-.00162	.00120	.00190	.06361	.00099
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00221	.00137	-.06632	.00000	.00079	-.00269	-.02227
Dev	.00114	.00010	.00151	.00061	.00000	.00043	.01050
RSD	51.643	7.1223	2.2810	162080.	.00000	16.085	47.140
1	.00140	.00130	-.06739	-.00043	.00079	-.00299	-.02969
2	.00302	.00143	-.06525	.00043	.00079	-.00238	-.01484
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00024	-.02675	.00139	.00013	-.05650	.00020	.00016
Dev	.00007	.00334	.00028	.00121	.27521	.00084	.00022
RSD	28.017	12.478	20.238	924.71	487.12	421.61	140.15
1	.00028	-.02911	.00159	-.00072	-.25110	-.00039	.00031
2	.00019	-.02439	.00119	.00099	.13810	.00079	.00000
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00742	.00493	-.00605	-.00134	-.00349	.01074	-.00156
Dev	.00641	.00074	.00097	.00457	.00104	.00125	.00327
RSD	86.424	15.045	16.094	340.63	29.891	11.663	209.50
1	.00289	.00441	-.00536	-.00458	-.00276	.01162	.00075
2	.01196	.00546	-.00674	.00189	-.00423	.00985	-.00387
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.02646	.00227	.00960	.00410	.00091		
Dev	.00377	.00349	.00494	.00292	.00005		
RSD	14.228	153.93	51.485	71.308	5.2378		
1	.02912	.00474	.01309	.00617	.00095		
2	.02380	-.00020	.00610	.00203	.00088		

AD
8/23/00

thod: 6010B Sample Name: 32700
 n Time: 08/23/00 15:11:24
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.03956	-.00228	1.1876	.00406	.00142	70.112	.71038
Dev	.00086	.00769	.0126	.00096	.00112	.269	.00240
RSD	2.1779	336.75	1.0574	23.730	79.265	.38386	.33831
1	.03895	-.00772	1.1965	.00338	.00221	70.303	.71208
2	.04017	.00315	1.1788	.00474	.00062	69.922	.70868
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00484	.00648	64.411	.07126	.02930	.09422	87.739
Dev	.00091	.00111	.440	.00109	.00047	.00039	.469
RSD	18.740	17.183	.68340	1.5273	1.5962	.41074	.53436
1	.00548	.00570	64.722	.07203	.02963	.09449	88.070
2	.00420	.00727	64.100	.07049	.02897	.09394	87.407
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.9104	46.088	.06183	.00329	.64344	.15299	1.0933
Dev	.0116	.142	.00093	.00102	.10209	.00081	.0070
RSD	.60601	.30907	1.5067	31.055	15.867	.53090	.64336
1	1.9186	46.188	.06249	.00257	.71563	.15356	1.0982
2	1.9022	45.987	.06118	.00401	.57125	.15241	1.0883
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	12.817	.00518	-.00762	1.1711	1.1949	.01019	.00014
Dev	.018	.00307	.00277	.0071	.0153	.00338	.00025
RSD	.14216	59.244	36.397	.60453	1.2799	33.198	177.96
1	12.830	.00735	-.00958	1.1761	1.2058	.00780	.00031
2	12.804	.00301	-.00566	1.1661	1.1841	.01258	-.00004
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.11259	.00238	5.2694	.10898	1.0279		
Dev	.00805	.00126	.0134	.00225	.0097		
RSD	7.1472	53.027	.25429	2.0657	.94151		
1	.10690	.00149	5.2789	.10739	1.0211		
2	.11828	.00327	5.2599	.11058	1.0348		

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Method: 6010B Sample Name: 32700D

Operator: AD

Time: 08/23/00 15:14:54

Comment:

File: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.03983	-.00385	1.1884	.00434	.00169	69.663	.70690
Dev	.00157	.00323	.0004	.00204	.00069	.317	.00299
SD	3.9430	83.793	.03196	46.957	41.039	.45470	.42290
	.03872	-.00613	1.1882	.00578	.00120	69.439	.70478
	.04094	-.00157	1.1887	.00290	.00218	69.887	.70901
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00481	.00663	64.086	.07118	.02989	.09399	87.311
Dev	.00091	.00043	.532	.00072	.00000	.00048	.588
SD	18.908	6.4822	.83085	1.0113	.00000	.51479	.67322
	.00546	.00694	63.709	.07067	.02989	.09365	86.895
	.00417	.00633	64.462	.07169	.02989	.09434	87.726
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	1.9053	45.956	.06232	.00339	.69052	.15360	1.0908
Dev	.0140	.222	.00028	.00190	.15980	.00109	.0071
SD	.73416	.48309	.45656	56.020	23.142	.70626	.65083
	1.8954	45.799	.06212	.00205	.80352	.15283	1.0857
	1.9151	46.113	.06252	.00474	.57753	.15437	1.0958
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	12.779	.00399	-.00441	1.1844	1.1894	.01399	-.00133
Dev	.040	.00178	.00565	.0078	.0045	.00658	.00023
SD	.31599	44.659	128.30	.65448	.37959	47.056	17.292
	12.750	.00525	-.00840	1.1899	1.1863	.01865	-.00150
	12.807	.00273	-.00041	1.1789	1.1926	.00934	-.00117
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.11195	.00273	5.2728	.11103	1.0261		
Dev	.00813	.00008	.0357	.00002	.0213		
SD	7.2630	2.8310	.67733	.01786	2.0777		
	.10620	.00279	5.2475	.11101	1.0110		
	.11770	.00268	5.2980	.11104	1.0412		

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thod: 6010B Sample Name: 32700S
 n Time: 08/23/00 15:18:51
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.9185	1.8485	1.4368	1.7713	.47973	58.976	2.6056
Dev	.0112	.0153	.0029	.0105	.00301	.261	.0102
RSD	.58584	.82718	.19871	.59187	.62709	.44223	.39144

1	1.9265	1.8377	1.4388	1.7787	.47760	59.160	2.6128
2	1.9106	1.8593	1.4347	1.7639	.48185	58.791	2.5984

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.05093	.05394	54.183	.25442	.50765	.35577	87.473
Dev	.00068	.00019	.677	.00328	.00393	.00289	.513
RSD	1.3358	.34850	1.2493	1.2901	.77380	.81166	.58598

1	.05141	.05381	53.704	.25210	.50487	.35781	87.110
2	.05045	.05408	54.661	.25674	.51042	.35373	87.835

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.2256	32.019	.53950	.04846	.63402	.62217	1.5218
Dev	.0188	.057	.00266	.00171	.05327	.00415	.0091
RSD	.84343	.17898	.49350	3.5338	8.4013	.66744	.59640

1	2.2124	32.060	.53762	.04725	.59636	.61923	1.5153
2	2.2389	31.979	.54138	.04967	.67169	.62510	1.5282

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	10.488	.48224	.47319	1.4292	1.4397	1.7586	1.7768
Dev	.068	.00069	.01042	.0109	.0011	.0209	.0054
RSD	.64773	.14364	2.2024	.76014	.07944	1.1870	.30229

1	10.536	.48273	.46582	1.4369	1.4389	1.7734	1.7806
2	10.440	.48175	.48056	1.4215	1.4405	1.7439	1.7730

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	1.0159	.99468	5.4237	1.1004	1.8526
Dev	.0047	.00917	.0112	.0076	.0280
RSD	.46636	.92204	.20628	.68908	1.5103

1	1.0125	.98820	5.4158	1.0950	1.8328
2	1.0192	1.0012	5.4316	1.1058	1.8724

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Method: 6010B Sample Name: 32700SD

Operator: AD

Time: 08/23/00 15:22:22

Element:

Unit: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	1.9013	1.8533	1.4285	1.7594	.47657	58.685	2.5898
Dev	.0025	.0039	.0028	.0023	.00183	.0093	.0091
RSD	.12902	.21236	.19851	.12936	.38298	.15909	.35309
	1.9031	1.8505	1.4305	1.7610	.47786	58.751	2.5962
	1.8996	1.8561	1.4265	1.7578	.47528	58.619	2.5833
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.05046	.05350	53.906	.25396	.50460	.35463	86.945
Dev	.00105	.00020	.256	.00042	.00150	.00179	.185
RSD	2.0737	.37302	.47423	.16641	.29655	.50622	.21329
	.05120	.05336	53.725	.25366	.50354	.35590	86.813
	.04972	.05365	54.087	.25426	.50566	.35336	87.076
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	2.2144	31.856	.53662	.04798	.68738	.61865	1.5141
Dev	.0051	.040	.00106	.00125	.16424	.00194	.0077
RSD	.22941	.12576	.19685	2.6001	23.893	.31368	.50893
	2.2108	31.884	.53588	.04710	.80352	.61727	1.5087
	2.2180	31.828	.53737	.04886	.57125	.62002	1.5196
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	10.475	.47811	.47197	1.4147	1.4346	1.7427	1.7669
Dev	.033	.00198	.00152	.0071	.0007	.0121	.0025
RSD	.31730	.41393	.32138	.49892	.05072	.69255	.14362
	10.499	.47951	.47305	1.4197	1.4351	1.7512	1.7651
	10.452	.47671	.47090	1.4097	1.4340	1.7341	1.7687
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	1.0107	.98840	5.4698	1.0882	1.8452		
Dev	.0039	.00265	.0081	.0102	.0249		
RSD	.38969	.26796	.14739	.93960	1.3501		
	1.0079	.98652	5.4641	1.0809	1.8276		
	1.0135	.99027	5.4755	1.0954	1.8629		

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Method: 6010B Sample Name: 32700LX5

Operator: AD

Time: 08/23/00 15:26:23

Comment:

File: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00865	.00714	.23646	.00190	-.00023	14.297	.14192
Dev	.00003	.00305	.00454	.00025	.00369	.311	.00281
SD	.29501	42.765	1.9187	13.078	1580.1	2.1786	1.9825
	.00867	.00929	.23325	.00172	.00238	14.077	.13993
	.00863	.00498	.23967	.00207	-.00285	14.517	.14391
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00295	.00198	13.066	.01365	.00595	.01628	17.673
Dev	.00093	.00005	.172	.00056	.00000	.00011	.306
SD	31.296	2.3694	1.3140	4.0648	.00000	.69953	1.7323
	.00361	.00195	12.944	.01405	.00595	.01620	17.457
	.00230	.00202	13.187	.01326	.00595	.01636	17.890
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.38803	9.0582	.01375	.00053	.02197	.03043	.22494
Dev	.00556	.2031	.00245	.00015	.21750	.00029	.00260
SD	1.4339	2.2421	17.810	28.966	989.95	.96557	1.1560
	.38410	8.9146	.01202	.00042	.17577	.03064	.22310
	.39197	9.2018	.01548	.00064	-.13183	.03023	.22678
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	2.4285	.00290	-.00802	.23476	.23635	.00685	-.00143
Dev	.0488	.00094	.00921	.01145	.00109	.00038	.00056
SD	2.0110	32.374	114.83	4.8760	.45999	5.5986	39.465
	2.3940	.00357	-.00151	.22666	.23558	.00712	-.00183
	2.4630	.00224	-.01453	.24285	.23711	.00658	-.00103
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.03698	.00041	1.0686	.02507	.20713		
Dev	.00059	.00117	.0176	.00050	.00623		
SD	1.6025	283.97	1.6471	2.0123	3.0070		
	.03656	.00124	1.0561	.02471	.20272		
	.03740	-.00042	1.0810	.02543	.21153		

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thod: 6010B Sample Name: 32925

Operator: AD

n Time: 08/23/00 15:30:52

mment:

de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00328	-.00264	3.1221	.00164	.00192	.55861	.02926
Dev	.00142	.00049	.0063	.00037	.00296	.00302	.00012
RSD	43.217	18.682	.20167	22.475	153.82	.54132	.40063
1	.00428	-.00230	3.1265	.00190	.00401	.56075	.02918
2	.00228	-.00299	3.1176	.00138	-.00017	.55648	.02935
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00266	.00135	21.178	.01162	.00106	.06618	1.0614
Dev	.00114	.00021	.096	.00000	.00019	.00047	.0105
RSD	42.915	15.591	.45356	.00348	17.678	.71803	.98896
1	.00347	.00120	21.110	.01162	.00119	.06651	1.0688
2	.00185	.00150	21.246	.01163	.00093	.06584	1.0539
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01669	5.7222	.01687	.00145	81.136	.00073	.29444
Dev	.00013	.0156	.00005	.00041	.169	.00056	.00058
RSD	.80417	.27226	.29743	27.991	.20790	75.746	.19771
1	.01678	5.7112	.01690	.00174	81.017	.00113	.29485
2	.01659	5.7332	.01683	.00117	81.255	.00034	.29403
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	31.006	.00486	-.00547	3.1104	3.1270	.00591	-.00135
Dev	.048	.00054	.00779	.0123	.0156	.00476	.00182
RSD	.15610	11.192	142.53	.39580	.49843	80.573	135.40
1	31.040	.00525	.00004	3.1017	3.1381	.00928	-.00264
2	30.972	.00448	-.01098	3.1191	3.1160	.00254	-.00006
lem	B_2486	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.80894	.00080	1.6994	.01261	.01121		
Dev	.00123	.00005	.0036	.00175	.00005		
RSD	.15184	5.8736	.21052	13.845	.42726		
1	.80807	.00077	1.6969	.01384	.01125		
2	.80981	.00083	1.7019	.01137	.01118		

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thod: 6010B Sample Name: 31993
 a Time: 08/23/00 15:34:56
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 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00704	.01013	.14307	-.01115	-.00251	32.717	.39425
Dev	.00003	.00306	.00012	.00007	.00042	.087	.00141
RSD	.39781	30.214	.08406	.59074	16.845	.26689	.35683
1	.00702	.00796	.14299	-.01110	-.00281	32.779	.39525
2	.00706	.01229	.14316	-.01119	-.00221	32.655	.39326
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01162	.00446	115.97	.22354	.12582	.44603	51.277
Dev	.00088	.00029	.40	.00104	.00075	.00191	.171
RSD	7.5332	6.5059	.34827	.46541	.59420	.42891	.33435
1	.01224	.00466	116.25	.22280	.12539	.44739	51.398
2	.01100	.00425	115.68	.22427	.12645	.44468	51.155
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	H27.849	33.043	.25393	-.00081	H155.45	.11384	.51490
Dev	.065	.090	.00096	.00177	.42	.00029	.00174
RSD	.23236	.27280	.37627	218.01	.27127	.25221	.33720
1	H27.894	33.106	.25460	-.00207	H155.75	.11364	.51613
2	H27.803	32.979	.25325	.00044	H155.15	.11404	.51368
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	14.161	-.00017	-.00868	.12321	.15202	-.00726	-.01389
Dev	.051	.00005	.00137	.00227	.00096	.00484	.00244
RSD	.36338	28.284	15.753	1.8452	.62799	66.747	17.577
1	14.198	-.00014	-.00965	.12160	.15270	-.01068	-.01216
2	14.125	-.00021	-.00771	.12482	.15135	-.00383	-.01562
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.10554	-.00329	21.251	-.00597	.01260		
Dev	.00417	.00061	.096	.00034	.00038		
RSD	3.9489	18.524	.45043	5.6743	3.0413		
1	.10259	-.00372	21.319	-.00621	.01233		
2	.10848	-.00286	21.184	-.00573	.01287		

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thod: 6010B Sample Name: 31994
 n Time: 08/23/00 15:40:23
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.10023	.04543	1.9118	-.05401	.01075	448.50	1.8523
Dev	.00186	.02568	.0045	.00037	.00537	2.61	.0125
RSD	1.8612	56.528	.23768	.68415	49.964	.58144	.67720

1	.10154	.02727	1.9086	-.05427	.00695	446.66	1.8434
2	.09891	.06359	1.9150	-.05375	.01455	450.34	1.8612

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.11751	.05053	H635.81	3.0995	.66604	5.0174	651.96
Dev	.00016	.00491	1.45	.0152	.00832	.0496	3.11
RSD	.13258	9.7126	.22851	.49165	1.2498	.98787	.47709

1	.11762	.04706	H634.78	3.0887	.66015	4.9824	649.76
2	.11740	.05400	H636.84	3.1102	.67192	5.0525	654.16

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	24.099	310.58	.99817	-.04018	109.87	4.2344	H10.271
Dev	.084	1.74	.00434	.01597	1.59	.0305	.001
RSD	.34792	.55930	.43497	39.733	1.4504	.71993	.00815

1	24.040	309.36	.99510	-.05147	108.74	4.2129	H10.272
2	24.158	311.81	1.0012	-.02889	111.00	4.2560	H10.270

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	H114.57	.00742	.01593	1.8801	1.9267	-.04625	-.05868
Dev	.75	.00564	.00483	.0061	.0038	.00410	.00268
RSD	.65136	76.047	30.350	.32584	.19484	8.8660	4.5620

1	H114.04	.00343	.01251	1.8758	1.9240	-.04335	-.06057
2	H115.09	.01141	.01935	1.8845	1.9293	-.04915	-.05679

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	.27178	.00619	H88.537	-.05720	.22559
Dev	.09951	.00703	.650	.02411	.00522
RSD	36.615	113.52	.73365	42.161	2.3149

1	.20142	.00122	H88.078	-.07425	.22190
2	.34215	.01116	H88.997	-.04014	.22928

AD
 8/23/00

Method: 6010B Sample Name: 31996
 Time: 08/23/00 15:44:45
 Element:
 Type: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00864	.00667	.20861	-.00491	.00132	28.130	.58098
Dev	.00084	.00141	.00363	.00006	.00193	.065	.00029
RSD	9.7433	21.105	1.7408	1.2442	146.93	.22977	.05045
1	.00804	.00568	.21118	-.00495	-.00005	28.084	.58077
2	.00923	.00767	.20604	-.00486	.00268	28.176	.58118
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.01117	.00400	96.424	.26914	.16018	.45158	54.029
Dev	.00088	.00022	.157	.00006	.00187	.00039	.012
RSD	7.8557	5.4541	.16236	.02258	1.1678	.08562	.02267
1	.01179	.00415	96.534	.26910	.16150	.45130	54.038
2	.01055	.00384	96.313	.26918	.15885	.45185	54.020
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	11.626	38.154	.20132	.00035	63.145	.04752	1.0655
Dev	.013	.063	.00217	.00115	.098	.00139	.0012
RSD	.11072	.16625	1.0763	327.93	.15465	2.9319	.10910
1	11.635	38.109	.20285	-.00046	63.214	.04654	1.0647
2	11.617	38.198	.19979	.00116	63.076	.04851	1.0663
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	18.943	.00301	-.00358	.19241	.21579	.00546	-.01089
Dev	.033	.00426	.00272	.00088	.00596	.00116	.00056
RSD	.17315	141.42	75.988	.45819	2.7621	21.260	5.1788
1	18.920	-.00000	-.00166	.19179	.22000	.00464	-.01049
2	18.966	.00602	-.00550	.19303	.21157	.00628	-.01128
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.11851	.00010	19.625	-.00166	.00898		
Dev	.00604	.00038	.019	.00087	.00005		
RSD	5.0974	384.18	.09744	52.543	.53366		
1	.11423	.00037	19.611	-.00228	.00901		
2	.12278	-.00017	19.638	-.00104	.00894		

AD
8/23/00

thod: 6010B Sample Name: 31994X10

Operator: AD

n Time: 08/23/00 15:48:36

mmment:

de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01088	.00055	.21094	-.00445	-.00020	50.639	.18660
Dev	.00201	.00682	.00063	.00301	.00066	.263	.00070
RSD	18.438	1251.1	.29732	67.582	331.03	.51877	.37696
1	.01230	-.00428	-.21138	-.00658	.00027	50.453	.18610
2	.00946	.00537	.21049	-.00232	-.00067	50.825	.18710
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01578	.00561	76.065	.32937	.07420	.48108	70.333
Dev	.00097	.00067	.754	.00353	.00093	.00117	.506
RSD	6.1240	12.010	.99134	1.0707	1.2604	.24230	.71884
1	.01646	.00513	75.532	.32687	.07354	.48026	69.975
2	.01510	.00608	76.598	.33186	.07486	.48191	70.690
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.8374	32.252	.11351	-.00119	8.9014	.43906	1.4741
Dev	.0218	.163	.00078	.00106	.0355	.00415	.0122
RSD	.76775	.50547	.68339	88.707	.39893	.94587	.82740
1	2.8220	32.137	.11296	-.00194	8.8763	.43612	1.4655
2	2.8528	32.368	.11405	-.00044	8.9266	.44200	1.4827
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	13.284	.00206	-.00624	.20888	.21100	.00109	-.00802
Dev	.012	.00153	.00108	.01339	.00574	.00313	.00287
RSD	.08780	74.306	17.269	6.4091	2.7220	285.77	35.808
1	13.275	.00315	-.00700	.21835	.20694	-.00112	-.01005
2	13.292	.00098	-.00548	.19941	.21506	.00331	-.00599
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.06433	-.00026	9.4274	-.00028	.02334		
Dev	.00636	.00063	.0501	.00324	.00034		
RSD	9.8857	238.72	.53127	1163.1	1.4368		
1	.05984	-.00071	9.3920	-.00257	.02310		
2	.06883	.00018	9.4628	.00201	.02358		

AD
8/23/00

thod: 6010B Sample Name: CCV1
 n Time: 08/23/00 15:52:34
 mment: CCV
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.3827	2.3849	2.3940	2.3124	2.3892	4.8578	4.8743
Dev	.0031	.0180	.0058	.0102	.0042	.0057	.0018
RSD	.13162	.75483	.24095	.43935	.17447	.11672	.03608

1	2.3804	2.3722	2.3899	2.3052	2.3863	4.8538	4.8730
2	2.3849	2.3977	2.3980	2.3196	2.3922	4.8618	4.8755

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.12011	1.1968	11.776	.47117	1.1878	.60375	2.3689
Dev	.00091	.0048	.043	.00146	.0044	.00043	.0017
RSD	.76131	.39906	.36609	.31047	.37006	.07156	.07385

1	.12075	1.1934	11.745	.47014	1.1847	.60406	2.3676
2	.11946	1.2002	11.806	.47220	1.1909	.60345	2.3701

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.2124	11.843	1.1962	.59511	12.489	1.1793	1.2222
Dev	.0031	.029	.0039	.00161	.331	.0033	.0058
RSD	.25859	.24430	.32406	.27014	2.6519	.28343	.47611

1	1.2101	11.823	1.1935	.59397	12.723	1.1769	1.2181
2	1.2146	11.864	1.1990	.59625	12.254	1.1817	1.2264

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	12.873	2.3911	2.3839	2.3663	2.4067	2.2891	2.3232
Dev	.028	.0036	.0054	.0060	.0056	.0127	.0089
RSD	.21630	.14898	.22580	.25441	.23129	.55383	.38321

1	12.893	2.3886	2.3801	2.3621	2.4028	2.2801	2.3169
2	12.853	2.3936	2.3877	2.3706	2.4107	2.2980	2.3295

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	2.3834	2.4284	2.3658	2.3810	2.3231
Dev	.0045	.0078	.0041	.0169	.0439
RSD	.18917	.32263	.17277	.70890	1.8891

1	2.3802	2.4228	2.3687	2.3691	2.2921
2	2.3866	2.4339	2.3629	2.3930	2.3542

AD
 8/23/00

Method: 6010B Sample Name: CCB
 Date Time: 08/23/00 15:57:43
 Element: CCB
 Type: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00005	.00174	-.00144	.00144	.00178	.08446	.00054
Dev	.00061	.00304	.00026	.00006	.00092	.00076	.00006
SD	1292.7	174.60	17.783	4.1148	51.415	.89507	10.879

	-.00038	-.00041	-.00126	.00148	.00114	.08393	.00050
	.00048	.00389	-.00162	.00140	.00243	.08499	.00058

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00269	.00087	-.06471	-.00000	.00079	-.00277	.00742
Dev	.00104	.00024	.00227	.00085	.00093	.00056	.02099
SD	38.712	27.409	3.5063	8009800.	117.85	20.266	282.84

	.00342	.00104	-.06311	.00060	.00145	-.00238	.02227
	.00195	.00070	-.06632	-.00060	.00013	-.00317	-.00742

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00090	-.02479	.00164	-.00017	-.15030	-.00039	.00031
Dev	.00020	.00389	.00002	.00117	.33119	.00111	.00015
SD	22.432	15.713	1.4523	670.47	220.35	282.31	46.748

	.00104	-.02203	.00166	.00065	.08389	.00039	.00041
	.00076	-.02754	.00162	-.00100	-.38448	-.00118	.00021

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.02113	.00430	-.00476	-.00254	-.00175	.00776	-.00247
Dev	.01910	.00104	.00067	.00096	.00010	.00486	.00251
SD	90.372	24.145	14.165	37.872	5.4960	62.622	101.82

	.03464	.00357	-.00524	-.00186	-.00182	.00432	-.00069
	.00763	.00504	-.00428	-.00322	-.00168	.01120	-.00425

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Range	.00971	.00187	.00309	.00740	.00041
Dev	.00109	.00236	.00255	.00062	.00038
SD	11.267	126.29	82.599	8.3423	94.281

	.01049	.00354	.00490	.00784	.00068
	.00894	.00020	.00129	.00697	.00014

AD
8/23/00

Method: 6010B Sample Name: 32521

Operator: AD

Time: 08/23/00 16:01:02

Comment:

Element: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00079	-.00249	-.00063	-.00022	-.00000	.08018	.00021
Dev	.00037	.00190	.00273	.00049	.00022	.00529	.00006
RSD	47.194	76.564	430.98	225.96	5488.6	6.5996	28.284
1	.00052	-.00383	.00130	.00013	-.00016	.08393	.00017
2	.00105	-.00114	-.00256	-.00057	.00015	.07644	.00025
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00265	.00060	-.06792	.00000	-.00033	-.00299	-.00000
Dev	.00123	.00017	.00076	.00012	.00084	.00078	.00350
RSD	46.207	27.649	1.1136	88186.	254.56	25.976	215e6
1	.00352	.00048	-.06739	.00009	.00026	-.00244	.00247
2	.00179	.00072	-.06846	-.00009	-.00093	-.00354	-.00247
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00057	-.02833	.00065	-.00028	-.03146	-.00039	.00031
Dev	.00013	.00556	.00112	.00060	.18289	.00111	.00015
RSD	23.561	19.642	172.81	212.75	581.40	282.80	46.894
1	.00066	-.02439	.00144	.00014	.09787	.00039	.00041
2	.00047	-.03226	-.00014	-.00071	-.16078	-.00118	.00021
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.01526	.00297	-.00747	-.00352	-.00005	.00446	-.00341
Dev	.00496	.00025	.00016	.00023	.00421	.00140	.00004
RSD	32.489	8.3189	2.1943	6.5057	8353.4	31.433	1.1398
1	.01876	.00280	-.00759	-.00368	.00292	.00546	-.00339
2	.01175	.00315	-.00735	-.00336	-.00302	.00347	-.00344
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.00901	.00040	-.00293	.00544	.00027		
Dev	.00008	.00019	.00062	.00082	.00029		
RSD	.85112	47.115	21.294	15.086	106.07		
1	.00907	.00027	-.00249	.00603	.00047		
2	.00896	.00053	-.00337	.00486	.00007		

AD
8/23/00

thod: 6010B Sample Name: 32522
 n Time: 08/23/00 16:04:42
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00857	-.00215	.02370	-.00239	.00276	6.5828	.58595
Dev	.00050	.00629	.00228	.00110	.00250	.0185	.00252
RSD	5.8566	292.34	9.6372	46.050	90.322	.28136	.43016
1	.00893	-.00659	-.02532	-.00161	.00100	6.5959	.58773
2	.00822	.00229	.02209	-.00316	.00453	6.5897	.58417
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00649	.00216	13.183	.01789	.01733	.11997	34.620
Dev	.00114	.00021	.030	.00079	.00019	.00060	.089
RSD	17.641	9.8690	.22949	4.4221	1.0796	.49673	.25771
1	.00730	.00231	13.162	.01733	.01719	.12039	34.557
2	.00568	.00201	13.204	.01845	.01746	.11954	34.683
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.57817	20.717	.06724	-.00026	44.603	.02900	.33633
Dev	.00154	.035	.00071	.00080	.371	.00055	.00160
RSD	.26633	.16920	1.0514	301.27	.83117	1.9059	.47448
1	.57708	20.692	.06674	-.00083	44.865	.02860	.33520
2	.57926	20.741	.06774	.00030	44.341	.02939	.33746
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	28.358	.00497	-.00315	.02461	.02240	-.00117	-.00380
Dev	.316	.00287	.00175	.00127	.00279	.00231	.00273
RSD	1.1145	57.764	55.498	5.1514	12.467	197.36	71.788
1	28.581	.00294	-.00439	.02551	.02437	-.00280	-.00187
2	28.134	.00700	-.00191	.02371	.02042	.00046	-.00572
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.06832	-.00086	9.0872	.00477	.22505		
Dev	.00465	.00019	.0229	.00006	.00350		
RSD	6.7089	22.126	.25180	1.2472	1.5541		
1	.06603	-.00100	9.0710	.00473	.22258		
2	.07261	-.00073	9.1034	.00481	.22752		

AD
8/23/00

thod: 6010B Sample Name: 32523
 n Time: 08/23/00 16:08:56
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00638	-.00434	.12895	-.00141	.00074	2.4884	.14735
Dev	.00030	.00414	.00130	.00089	.00292	.0015	.00018
RSD	4.7044	95.288	1.0064	63.247	394.50	.06077	.11934
1	.00616	-.00727	.12803	-.00078	-.00132	2.4873	.14747
2	.00659	-.00142	.12986	-.00204	.00281	2.4894	.14722
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00397	.00208	34.779	.01500	.00754	.20542	15.366
Dev	.00106	.00006	.213	.00092	.00037	.00047	.087
RSD	26.746	2.9885	.61325	6.1090	4.9622	.22699	.56924
1	.00472	.00212	34.930	.01435	.00780	.20510	15.428
2	.00322	.00204	34.629	.01565	.00727	.20575	15.304
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	4.3319	9.4119	.02616	-.00098	53.293	.00928	.41202
Dev	.0238	.0223	.00126	.00014	.143	.00084	.00051
RSD	.54825	.23647	4.8031	14.708	.26899	9.0550	.12294
1	4.3487	9.3961	.02528	-.00088	53.394	.00868	.41238
2	4.3151	9.4276	.02705	-.00108	53.191	.00987	.41166
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	9.7371	.00434	-.00797	.12744	.12884	.00325	-.00454
Dev	.0219	.00406	.00064	.00730	.00170	.00114	.00084
RSD	.22457	93.521	8.0743	5.7305	1.3198	35.115	18.547
1	9.7216	.00147	-.00842	.12228	.13004	.00406	-.00394
2	9.7526	.00721	-.00751	.13261	.12764	.00245	-.00514
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.09278	-.00142	3.8241	.00744	.04702		
Dev	.00176	.00019	.0035	.00163	.00048		
RSD	1.8971	13.086	.09104	21.955	1.0189		
1	.09154	-.00156	3.8265	.00628	.04668		
2	.09403	-.00129	3.8216	.00859	.04736		

AD
8/23/00

Method: 6010B Sample Name: 32524
 Time: 08/23/00 16:12:37
 Element:
 Element: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00489	-.00526	.00602	.00106	.00038	7.2171	.10743
Dev	.00105	.00093	.00016	.00118	.00034	.0181	.00023
MSD	21.410	17.761	2.6049	110.62	91.095	.25139	.21825
	.00415	-.00592	-.00613	.00190	.00013	7.2043	.10727
	.00563	-.00460	.00591	.00023	.00062	7.2299	.10760
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00443	.00117	74.320	.01117	.01032	.02349	19.070
Dev	.00103	.00017	.387	.00073	.00019	.00008	.042
MSD	23.155	14.714	.52104	6.5453	1.8131	.35085	.22017
	.00515	.00129	74.046	.01066	.01018	.02354	19.040
	.00370	.00105	74.594	.01169	.01045	.02343	19.099
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.57002	43.869	.02033	.00030	13.254	.01736	.15444
Dev	.00327	.134	.00087	.00018	.158	.00028	.00065
MSD	.57391	.30567	4.2815	59.238	1.1934	1.6163	.42002
	.56770	43.774	.02095	.00043	13.366	.01756	.15398
	.57233	43.964	.01972	.00018	13.142	.01717	.15490
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	3.6717	.00241	-.00520	.01080	.00278	.00427	-.00128
Dev	.0028	.00035	.00034	.00105	.00076	.00050	.00152
MSD	.07543	14.347	6.4964	9.6937	27.271	11.730	117.94
	3.6736	.00217	-.00544	.01006	.00332	.00462	-.00021
	3.6697	.00266	-.00497	.01154	.00224	.00391	-.00236
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.07677	-.00051	8.8605	.00484	.24070		
Dev	.00117	.00009	.0374	.00242	.00426		
MSD	1.5294	18.095	.42169	49.955	1.7715		
	.07594	-.00045	8.8341	.00313	.23769		
	.07760	-.00058	8.8869	.00655	.24372		

AD
 8/23/00

Method: 6010B Sample Name: 32525S
In Time: 08/23/00 16:24:26
Comment:
Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	1.9766	1.9717	.49989	1.8399	.48958	2.8914	2.1629
Dev	.0225	.0177	.00541	.0296	.00923	.0461	.0443
RSD	1.1398	.89958	1.0820	1.6112	1.8846	1.5949	2.0488
1	1.9925	1.9842	.50371	1.8609	.49610	2.8240	2.1943
2	1.9606	1.9591	.49606	1.8189	.48305	2.8588	2.1316
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.05204	.05162	49.505	.20473	.50341	.26873	3.6108
Dev	.00169	.00121	.432	.00317	.00411	.00561	.0507
RSD	3.2417	2.3495	.87236	1.5478	.81746	2.0873	1.4050
1	.05323	.05248	49.811	.20697	.50632	.27269	3.6467
2	.05085	.05077	49.200	.20249	.50050	.26476	3.5750
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.59577	27.668	.51674	.04665	18.004	.50208	.55418
Dev	.00707	.315	.00678	.00118	.470	.00668	.00544
RSD	1.1874	1.1382	1.3121	2.5301	2.6082	1.3310	.98236
1	.60077	27.891	.52154	.04748	18.336	.50680	.55803
2	.59077	27.446	.51195	.04581	17.672	.49735	.55033
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	3.5330	.49484	.47754	.49175	.50287	1.8032	1.8574
Dev	.0583	.00574	.01621	.00635	.00494	.0209	.0340
RSD	1.6505	1.1598	3.3949	1.2906	.98239	1.1617	1.8299
1	3.5743	.49889	.48900	.49624	.50637	1.8180	1.8814
2	3.4918	.49078	.46607	.48727	.49938	1.7884	1.8334
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Average	1.0857	1.0901	3.3962	1.0719	1.0685		
Dev	.0109	.0137	.0408	.0131	.0029		
RSD	1.0048	1.2601	1.2004	1.2259	.26903		
1	1.0934	1.0998	3.4251	1.0812	1.0705		
2	1.0780	1.0804	3.3674	1.0626	1.0665		

Method: 6010B Sample Name: 32525SD
 Run Time: 08/23/00 16:27:44
 Element: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	1.9566	1.9684	.49673	1.8227	.48249	2.8570	2.1283
Dev	.0078	.0049	.00516	.0118	.00031	.0132	.0048
SD	.39642	.24873	1.0391	.64950	.06461	.46307	.22584
	1.9621	1.9649	.50038	1.8311	.48227	2.8663	2.1317
	1.9511	1.9719	.49308	1.8144	.48271	2.8476	2.1249
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.05142	.05157	49.152	.20430	.49978	.26424	3.5873
Dev	.00138	.00044	.264	.00146	.00140	.00194	.0070
SD	2.6758	.85122	.53702	.71621	.28071	.73448	.19506
	.05239	.05188	49.339	.20533	.50077	.26562	3.5923
	.05045	.05126	48.966	.20328	.49878	.26287	3.5824
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.59006	27.413	.50809	.04681	18.172	.49676	.54910
Dev	.00287	.081	.00372	.00101	.272	.00195	.00087
SD	.48618	.29633	.73275	2.1526	1.4961	.39244	.15846
	.59209	27.471	.51072	.04753	18.364	.49814	.54971
	.58803	27.356	.50546	.04610	17.980	.49538	.54848
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	3.5211	.48968	.46664	.49168	.49817	1.7930	1.8367
Dev	.0198	.00079	.00065	.00072	.00810	.0084	.0135
SD	.56306	.16167	.13917	.14579	1.6252	.46950	.73753
	3.5351	.48910	.46710	.49118	.50390	1.7989	1.8463
	3.5070	.49022	.46618	.49219	.49245	1.7870	1.8272
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	1.0759	1.0848	3.3607	1.0645	1.0546		
Dev	.0045	.0033	.0146	.0066	.0117		
SD	.42092	.30460	.43594	.62182	1.1131		
	1.0791	1.0871	3.3710	1.0692	1.0463		
	1.0727	1.0824	3.3503	1.0598	1.0629		

AD
8/23/00

thod: 6010B Sample Name: 32525LX5

Operator: AD

n Time: 08/23/00 16:31:28

ment:

de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00141	.00866	-.00182	-.00012	.00031	.24857	.00680
Dev	.00128	.00558	.00176	.00019	.00040	.00227	.00000
RSD	91.086	64.419	96.458	159.46	127.36	.91239	.00000
1	.00231	.01260	-.00306	.00001	.00059	.24697	.00680
2	.00050	.00471	-.00058	-.00025	.00003	.25017	.00680
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00301	.00064	9.5784	.00124	.00073	-.00153	.67170
Dev	.00116	.00010	.0136	.00079	.00103	.00017	.00525
RSD	38.569	15.321	.14214	64.075	141.42	11.279	.78133
1	.00383	.00057	9.5880	.00068	.00000	-.00140	.66799
2	.00219	.00071	9.5687	.00180	.00145	-.00165	.67541
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01812	5.3107	.00281	-.00013	3.1423	-.00003	.00736
Dev	.00007	.0100	.00084	.00005	.2027	.00000	.00051
RSD	.37048	.18860	29.927	42.028	6.4497	.78133	6.9119
1	.01807	5.3036	.00341	-.00016	3.2856	-.00003	.00700
2	.01816	5.3177	.00222	-.00009	2.9990	-.00003	.00772
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.66725	.00241	-.00540	-.00267	-.00225	.00393	-.00294
Dev	.00189	.00074	.00268	.00673	.00073	.00020	.00030
RSD	.28402	30.744	49.675	251.85	32.274	5.1058	10.314
1	.66591	.00189	-.00350	-.00743	-.00174	.00379	-.00273
2	.66859	.00294	-.00729	.00209	-.00277	.00407	-.00316
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.02636	.00119	.57607	.00668	.00539		
Dev	.00106	.00042	.00057	.00123	.00024		
RSD	4.0136	35.782	.09855	18.425	4.4472		
1	.02711	.00089	.57567	.00755	.00522		
2	.02561	.00149	.57647	.00581	.00556		

MD
8/23/00

thod: 6010B Sample Name: 32526
n Time: 08/23/00 16:35:19
mment:
de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00343	-.00054	.00846	.00075	.00016	4.7079	.09670
Dev	.00024	.00098	.00185	.00034	.00037	.0680	.00146
RSD	6.9118	181.89	21.857	45.307	227.27	1.4452	1.5154
1	.00360	-.00123	-.00976	.00051	-.00010	4.7560	.09773
2	.00326	.00015	.00715	.00099	.00042	4.6598	.09566
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00373	.00070	94.113	.01180	.00496	.02815	11.541
Dev	.00115	.00036	.288	.00165	.00047	.00013	.045
RSD	30.692	51.462	.30618	13.964	9.4281	.47534	.39410
1	.00454	.00044	94.317	.01063	.00463	.02824	11.573
2	.00292	.00095	93.910	.01296	.00529	.02805	11.509
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.31189	53.996	.01359	.00013	32.258	.01400	.11114
Dev	.00147	.428	.00054	.00133	.499	.00112	.00074
RSD	.47195	.79242	3.9666	1063.1	1.5477	7.9758	.66896
1	.31293	54.299	.01321	-.00082	32.611	.01321	.11061
2	.31085	53.694	.01398	.00107	31.905	.01479	.11167
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	5.7146	.00248	-.00599	.00692	.00837	.00456	-.00196
Dev	.0647	.00163	.00216	.00232	.00393	.00180	.00032
RSD	1.1326	65.731	36.088	33.566	46.981	39.531	16.124
1	5.7604	.00133	-.00446	.00528	.01115	.00328	-.00173
2	5.6689	.00364	-.00752	.00856	.00559	.00583	-.00218
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.06453	-.00070	6.9452	.00395	.15906		
Dev	.00040	.00043	.0616	.00051	.00081		
RSD	.61655	60.880	.88624	12.807	.51206		
1	.06425	-.00040	6.9887	.00359	.15848		
2	.06481	-.00100	6.9017	.00431	.15963		

AD
8/23/00

Method: 6010B Sample Name: CCV1
 Run Time: 08/23/00 16:39:10
 Comment: CCV
 Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	2.4134	2.4096	2.4039	2.3356	2.4100	4.8990	4.9402
Dev	.0002	.0056	.0001	.0026	.0089	.0147	.0030
RSD	.00840	.23440	.00483	.11235	.36846	.30091	.06169

1	2.4136	2.4056	2.4038	2.3375	2.4038	4.8885	4.9380
2	2.4133	2.4136	2.4040	2.3337	2.4163	4.9094	4.9423

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.12107	1.2103	11.753	.47264	1.1924	.61329	2.3503
Dev	.00078	.0040	.037	.00061	.0017	.00064	.0070
RSD	.64698	.32744	.31531	.12870	.14119	.10514	.29773

1	.12163	1.2075	11.727	.47221	1.1912	.61284	2.3553
2	.12052	1.2131	11.780	.47307	1.1936	.61375	2.3454

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	1.2128	11.881	1.2051	.59347	12.531	1.1838	1.2247
Dev	.0028	.060	.0058	.00050	.044	.0053	.0041
RSD	.23096	.50111	.48467	.08401	.35504	.44709	.33253

1	1.2108	11.839	1.2010	.59312	12.499	1.1801	1.2218
2	1.2148	11.923	1.2093	.59382	12.562	1.1876	1.2276

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	13.115	2.4113	2.4060	2.3737	2.4179	2.3022	2.3514
Dev	.030	.0153	.0041	.0090	.0043	.0091	.0085
RSD	.23120	.63610	.16855	.37973	.17891	.39609	.36093

1	13.094	2.4004	2.4089	2.3674	2.4209	2.2958	2.3574
2	13.137	2.4221	2.4032	2.3801	2.4148	2.3087	2.3454

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Average	2.4037	2.4645	2.3371	2.3968	2.3391
Dev	.0082	.0082	.0053	.0040	.0398
RSD	.33919	.33132	.22835	.16481	1.7020

1	2.3979	2.4587	2.3333	2.3941	2.3110
2	2.4095	2.4702	2.3409	2.3996	2.3673

thod: 6010B Sample Name: CCB
 n Time: 08/23/00 16:42:56
 nment: CCB
 le: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00179	.00323	-.00263	.00059	.00205	.08018	.00070
Dev	.00044	.00643	.00027	.00010	.00028	.00000	.00006
RSD	24.518	199.11	10.156	16.913	13.780	.00000	8.3189
1	.00148	.00777	-.00282	.00066	.00185	.08018	.00066
2	.00210	-.00132	-.00244	.00052	.00225	.08018	.00075
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00289	.00079	-.06471	-.00039	-.00073	-.00333	-.01237
Dev	.00123	.00010	.00076	.00128	.00009	.00073	.00700
RSD	42.415	12.417	1.1688	330.06	12.856	22.059	56.569
1	.00376	.00086	-.06525	.00052	-.00079	-.00281	-.00742
2	.00202	.00072	-.06418	-.00129	-.00066	-.00384	-.01732
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00000	-.02597	.00056	-.00029	-.11884	.00000	.00000
Dev	.00000	.00445	.00084	.00121	.27681	.00111	.00000
RSD	54.539	17.142	150.18	416.43	232.93	180030.	31.572
1	.00000	-.02282	.00115	.00056	.07690	.00079	.00000
2	.00000	-.02911	-.00003	-.00114	-.31458	-.00079	.00000
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00763	.00612	-.00771	-.00092	-.00434	.00641	-.00312
Dev	.01458	.00005	.00110	.00049	.00016	.00306	.00175
RSD	191.11	.80812	14.271	52.889	3.6442	47.660	56.158
1	.01794	.00616	-.00849	-.00126	-.00445	.00425	-.00188
2	-.00268	.00609	-.00693	-.00057	-.00423	.00857	-.00436
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.00937	.00487	-.00992	.00417	.00027		
Dev	.00294	.00217	.00108	.00169	.00057		
RSD	31.417	44.565	10.871	40.580	212.13		
1	.01145	.00641	-.00915	.00537	.00068		
2	.00729	.00334	-.01068	.00298	-.00014		

AD
 8/23/00

thod: 6010B Sample Name: 32642
 n Time: 08/23/00 16:46:54
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00276	-.00422	.00633	.00159	.00134	1.6836	.06976
Dev	.00273	.00219	.00226	.00087	.00203	.0042	.00006
RSD	98.934	51.909	35.643	54.358	151.46	.24697	.08403
1	.00469	-.00577	-.00793	.00221	-.00010	1.6807	.06972
2	.00083	-.00267	.00474	.00098	.00277	1.6865	.06980
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00336	.00182	74.672	.01090	.00311	.03588	7.0064
Dev	.00106	.00006	.441	.00024	.00009	.00043	.0280
RSD	31.540	3.2840	.59050	2.2454	3.0090	1.2085	.39949
1	.00411	.00178	74.984	.01073	.00317	.03619	7.0262
2	.00261	.00186	74.360	.01107	.00304	.03558	6.9866
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.20073	45.442	.01149	-.00040	39.574	.00516	.10286
Dev	.00047	.001	.00020	.00032	.316	.00056	.00044
RSD	.23353	.00245	1.7568	78.361	.79941	10.760	.42333
1	.20106	45.442	.01163	-.00018	39.797	.00556	.10317
2	.20039	45.443	.01134	-.00063	39.350	.00477	.10255
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	4.0721	.00353	-.00456	.00423	.00653	.00680	-.00181
Dev	.0017	.00440	.00273	.00438	.00120	.00000	.00137
RSD	.04296	124.62	59.861	103.52	18.367	.02399	76.053
1	4.0709	.00042	-.00263	.00732	.00737	.00680	-.00084
2	4.0734	.00665	-.00649	.00113	.00568	.00680	-.00278
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.08747	.00037	4.2480	.00682	.05190		
Dev	.00072	.00043	.0102	.00128	.00029		
RSD	.82082	115.01	.24059	18.832	.55387		
1	.08696	.00067	4.2552	.00773	.05170		
2	.08798	.00007	4.2407	.00592	.05210		

AD
8/23/00

thod: 6010B Sample Name: 32643
 n Time: 08/23/00 16:50:53
 mment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00161	-.00308	.00300	.00064	.00039	.12241	.00742
Dev	.00135	.00332	.00066	.00112	.00241	.00278	.00006
RSD	83.686	107.74	22.114	175.54	618.77	3.0878	.79006

1	.00066	-.00543	-.00253	.00142	-.00132	.11974	.00738
2	.00257	-.00073	.00347	-.00015	.00210	.12509	.00746

lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00271	.00084	8.0071	.00504	.00033	.00322	6.9953
Dev	.00118	.00015	.0499	.00110	.00047	.00090	.0367
RSD	43.379	17.736	.62341	21.810	141.42	28.000	.52517

1	.00354	.00095	7.9718	.00581	.00066	.00386	6.9693
2	.00188	.00074	8.0424	.00426	.00000	.00258	7.0213

lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.04171	1.4180	.00644	.00023	4.6278	.00044	.67514
Dev	.00014	.0134	.00056	.00119	.2669	.00112	.00567
RSD	.32617	.94176	8.7615	513.28	5.7679	254.75	.84025

1	.04161	1.4085	.00684	.00107	4.8165	.00123	.67113
2	.04181	1.4274	.00604	-.00061	4.4390	-.00035	.67915

lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	15.230	.00325	-.00696	.00911	-.00091	.00702	-.00335
Dev	.037	.00104	.00531	.00238	.00019	.00115	.00117
RSD	.24025	31.934	76.400	26.066	21.057	16.393	34.967

1	15.204	.00252	-.01071	.00743	-.00078	.00783	-.00252
2	15.256	.00399	-.00320	.01079	-.00105	.00620	-.00418

lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
nits	ppm	ppm	ppm	ppm	ppm
vge	.03053	-.00056	.30660	.00825	.00146
Dev	.00001	.00127	.00028	.00041	.00062
RSD	.04188	225.46	.09260	5.0213	42.755

1	.03052	.00034	.30680	.00796	.00190
2	.03054	-.00147	.30640	.00854	.00102

AD
8/23/00

Method: 6010B Sample Name: 32644

Operator: AD

Time: 08/23/00 16:54:38

Element:

Unit: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00195	-.00573	.03674	-.00121	.00151	7.6904	.06466
Dev	.00000	.00247	.00214	.00018	.00007	.0359	.00023
SD	.22724	43.136	5.8122	14.884	4.9437	.46693	.36261
	.00195	-.00748	-.03523	-.00108	.00145	7.6650	.06449
	.00195	-.00398	.03825	-.00134	.00156	7.7158	.06482
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.00263	.00281	53.908	.01529	.01223	.06116	17.870
Dev	.00087	.00061	.325	.00043	.00140	.00081	.122
SD	33.253	21.858	.60328	2.8063	11.467	1.3214	.68528
	.00324	.00325	53.678	.01560	.01323	.06173	17.783
	.00201	.00238	54.138	.01499	.01124	.06059	17.956
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	.55216	29.351	.01556	.00077	15.114	.02136	.13202
Dev	.00361	.151	.00009	.00034	.148	.00084	.00108
SD	.65396	.51374	.59274	44.285	.98119	3.9402	.81914
	.54961	29.244	.01549	.00101	15.218	.02196	.13126
	.55472	29.458	.01562	.00053	15.009	.02077	.13279
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Range	4.4195	.00609	-.00917	.04519	.03167	.00540	-.00537
Dev	.0020	.00069	.00161	.00397	.00518	.00310	.00128
SD	.04617	11.379	17.560	8.7838	16.368	57.425	23.804
	4.4210	.00658	-.01031	.04800	.02800	.00759	-.00627
	4.4181	.00560	-.00803	.04238	.03533	.00321	-.00447
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Range	.17246	-.00052	9.3742	.00691	.41354		
Dev	.00528	.00033	.0423	.00263	.00934		
SD	3.0641	64.670	.45126	38.053	2.2591		
	.16873	-.00075	9.3443	.00505	.40694		
	.17620	-.00028	9.4041	.00877	.42015		

AD
8/23/00

thod: 6010B Sample Name: 32645
 n Time: 08/23/00 16:58:22
 nment:
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00222	-.00450	.00771	-.00148	.00051	5.0465	.07137
Dev	.00078	.00443	.00233	.00164	.00271	.0170	.00012
RSD	34.944	98.456	30.260	110.74	530.03	.33705	.16425
1	.00167	-.00763	-.00936	-.00264	.00243	5.0585	.07146
2	.00277	-.00137	.00606	-.00032	-.00141	5.0345	.07129
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00298	.00073	67.647	.00490	.00774	.06122	13.728
Dev	.00088	.00028	.170	.00171	.00047	.00039	.035
RSD	29.466	38.267	.25156	34.851	6.0436	.63855	.25486
1	.00360	.00053	67.527	.00369	.00741	.06094	13.704
2	.00236	.00093	67.767	.00610	.00807	.06149	13.753
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	2.4076	43.380	.01551	.00066	16.015	.01133	.19166
Dev	.0023	.005	.00033	.00203	.129	.00139	.00014
RSD	.09704	.01155	2.1556	305.64	.80247	12.279	.07528
1	2.4060	43.384	.01575	-.00210	15.925	.01034	.19155
2	2.4093	43.377	.01527	.00077	16.106	.01231	.19176
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	4.0505	.00294	-.00596	.00336	.00902	.00367	-.00486
Dev	.0362	.00059	.00948	.00148	.00276	.00461	.00023
RSD	.89256	20.203	159.14	44.174	30.548	125.66	4.7909
1	4.0249	.00252	.00075	.00441	.01097	.00041	-.00502
2	4.0761	.00336	-.01266	.00231	.00707	.00693	-.00469
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.06562	-.00231	7.0317	.00618	.15191		
Dev	.00166	.00222	.0019	.00385	.00297		
RSD	2.5218	96.276	.02745	62.339	1.9554		
1	.06445	-.00387	7.0331	.00345	.14981		
2	.06679	-.00074	7.0304	.00890	.15401		

Method: 6010B Sample Name: 32646

Operator: AD

Time: 08/23/00 17:02:12

Comment:

Element: CONC Corr. Factor: 1

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Age	-.00019	-.00168	-.00170	-.00063	-.00195	.07751	-.00008
Dev	.00000	.00086	.00025	.00402	.00086	.00302	.00023
RSD	.89118	50.943	14.532	634.36	43.936	3.9012	282.84

1	-.00019	-.00229	-.00188	-.00348	-.00134	.07965	-.00025
2	-.00019	-.00108	-.00153	.00221	-.00255	.07537	.00008

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Age	.00228	.00081	-.04760	-.00134	.00000	-.00378	-.02721
Dev	.00111	.00015	.00529	.00165	.00037	.00009	.04199
RSD	48.686	18.052	11.123	123.14	.00000	2.3712	154.28

1	.00307	.00071	-.05134	-.00250	.00026	-.00385	-.05690
2	.00150	.00092	-.04385	-.00017	-.00026	-.00372	.00247

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Age	-.00000	-.02321	-.00070	-.00076	-.14331	-.00039	-.00026
Dev	.00040	.00835	.00018	.00108	.02472	.00111	.00051
RSD	201730.	35.955	24.983	141.65	17.246	283.29	198.66

1	-.00029	-.02911	-.00083	-.00152	-.16078	-.00118	-.00061
2	.00028	-.01731	-.00058	.00000	-.12583	.00039	.00010

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Age	.00371	.00066	-.00879	-.00602	-.00041	.00436	-.00388
Dev	.03266	.00183	.00094	.00184	.00129	.00246	.00480
RSD	879.95	275.40	10.724	30.654	317.94	56.424	123.90

1	-.01938	.00196	-.00946	-.00471	-.00132	.00262	-.00727
2	.02680	-.00063	-.00813	-.00732	.00051	.00610	-.00048

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Age	.00429	-.00087	-.01000	.00715	-.00010
Dev	.00041	.00019	.00017	.00324	.00062
RSD	9.6299	21.878	1.7156	45.281	612.83

1	.00400	-.00100	-.00988	.00486	-.00054
2	.00458	-.00073	-.01012	.00944	.00034

AD
8/23/00

Method: 6010B Sample Name: 32647
 In Time: 08/23/00 17:08:13
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04009	.00256	.05308	-.01862	.00467	60.253	.63142
Dev	.00112	.00494	.00203	.00150	.00189	.345	.00023
RSD	2.7914	192.89	3.8190	8.0812	40.437	.57214	.03713
#1	.03930	.00605	.05451	-.01755	.00601	60.497	.63159
#2	.04088	-.00093	.05165	-.01968	.00334	60.010	.63125
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02805	.00661	263.96	.05870	.09133	.18892	223.56
Dev	.00006	.00000	2.54	.00094	.00140	.00062	1.64
RSD	.22250	.06697	.96332	1.6052	1.5361	.32905	.73558
#1	.02810	.00661	265.76	.05936	.09232	.18936	224.72
#2	.02801	.00661	262.16	.05803	.09034	.18848	222.39
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.8165	186.21	.16310	.00512	32.101	.19485	.52775
Dev	.0394	.75	.00003	.00615	.049	.00270	.00515
RSD	.67749	.40100	.01811	119.99	.15399	1.3874	.97543
#1	5.8443	186.74	.16308	.00947	32.066	.19676	.53140
#2	5.7886	185.68	.16312	.00078	32.136	.19293	.52411
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.337	.00472	.00307	.05006	.05352	-.01068	-.02344
Dev	.015	.00351	.00136	.00314	.00147	.00560	.00054
RSD	.10779	74.377	44.282	6.2629	2.7542	52.450	2.3067
#1	14.326	.00721	.00211	.05227	.05456	-.00672	-.02382
#2	14.348	.00224	.00404	.04784	.05248	-.01464	-.02305
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.20597	.00285	36.407	.00700	1.5720		
Dev	.04360	.00104	.200	.00828	.0304		
RSD	21.167	36.511	.55052	118.30	1.9323		
#1	.23680	.00358	36.549	.01286	1.5935		
#2	.17514	.00211	36.266	.00114	1.5505		

AD
 8/23/00

ethod: 6010B Sample Name: 32648
 un Time: 08/23/00 17:11:37
 omment:
 ode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00053	-.00604	.00515	-.00033	-.00004	.10905	.07253
SDev	.00324	.00374	.00152	.00051	.00050	.00076	.00012
%RSD	613.48	61.958	29.455	152.35	1122.2	.69324	.16162
#1	-.00282	-.00869	.00408	.00003	.00031	.10958	.07262
#2	.00176	-.00339	.00622	-.00069	-.00039	.10852	.07245
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00226	.00545	67.416	-.00123	.00119	-.00191	1.1455
SDev	.00094	.00017	.364	.00110	.00037	.00026	.0280
%RSD	41.756	3.1408	.53963	89.156	31.427	13.436	2.4436
#1	.00293	.00533	67.159	-.00201	.00093	-.00173	1.1257
#2	.00159	.00558	67.673	-.00045	.00145	-.00209	1.1653
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93453	14.148	.00169	-.00049	5.6274	-.00045	3.8015
SDev	.00200	.017	.00212	.00032	.1186	.00111	.0186
%RSD	.21432	.11798	124.85	64.025	2.1081	246.63	.48992
#1	.93311	14.160	.00020	-.00072	5.7113	-.00124	3.7884
#2	.93594	14.136	.00319	-.00027	5.5435	.00034	3.8147
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.1381	.00266	-.00696	.00729	.00349	.00067	-.00163
SDev	.0109	.00119	.00387	.00930	.00275	.00236	.00186
%RSD	.15317	44.659	55.558	127.65	78.704	353.58	113.81
#1	7.1304	.00182	-.00423	.00071	.00544	-.00100	-.00032
#2	7.1458	.00350	-.00969	.01387	.00155	.00233	-.00295
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avge	.06865	-.00087	.46803	.00694	.00054		
SDev	.00150	.00024	.00153	.00051	.00029		
%RSD	2.1870	27.098	.32747	7.3537	53.033		
#1	.06759	-.00070	.46911	.00730	.00034		
#2	.06971	-.00103	.46694	.00658	.00075		

AD
 8/23/00

ethod: 6010B Sample Name: 32648D
 in Time: 08/23/00 17:14:50
 omment:
 ode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00057	-.00935	.00449	.00005	-.00089	.10050	.07129
SD	.00169	.00329	.00012	.00099	.00025	.00000	.00047
RSD	296.63	35.199	2.5675	1966.2	28.199	.00000	.65777
#1	.00176	-.00702	.00457	.00075	-.00071	.10050	.07162
#2	-.00062	-.01168	.00441	-.00065	-.00107	.10050	.07096
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00290	.00573	67.370	-.00093	.00192	-.00170	1.1356
SD	.00003	.00017	.442	.00043	.00065	.00004	.0210
RSD	1.1592	2.9438	.65563	45.943	34.136	2.4300	1.8487
#1	.00293	.00561	67.683	-.00063	.00145	-.00173	1.1504
#2	.00288	.00585	67.058	-.00123	.00238	-.00167	1.1207
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92990	13.985	.00236	-.00021	5.6903	-.00006	3.8120
SD	.00614	.071	.00076	.00031	.0198	.00000	.0129
RSD	.66001	.50529	32.325	146.15	.34747	1.8487	.33963
#1	.93424	14.035	.00290	.00001	5.7043	-.00006	3.8212
#2	.92556	13.935	.00182	-.00043	5.6763	-.00006	3.8029
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.0112	.00122	-.00663	-.00159	.00666	.00209	-.00172
SD	.0399	.00035	.00145	.00383	.00174	.00085	.00107
RSD	.56972	28.284	21.841	240.92	26.090	40.700	62.166
#1	7.0395	.00098	-.00560	.00112	.00543	.00269	-.00096
#2	6.9830	.00147	-.00765	-.00430	.00789	.00149	-.00247
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.06897	-.00157	.46156	.00494	.00102		
SD	.00055	.00000	.00352	.00118	.00000		
RSD	.80370	.03880	.76369	23.833	.00000		
#1	.06858	-.00157	.46405	.00411	.00102		
#2	.06936	-.00157	.45907	.00578	.00102		

AD
8/23/00

Method: 6010B Sample Name: 32648S
Run Time: 08/23/00 17:20:47
Comment:
Code: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7807	1.7769	.45431	1.6628	.43944	1.9175	1.9436
SD	.0037	.0153	.00050	.0106	.00222	.0136	.0181
RSD	.20830	.85966	.11054	.63535	.50536	.70967	.93189
#1	1.7833	1.7661	.45396	1.6553	.44101	1.9078	1.9308
#2	1.7781	1.7877	.45467	1.6702	.43787	1.9271	1.9564
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04438	.05058	63.651	.17114	.44052	.22926	1.9508
SD	.00072	.00011	.108	.00049	.00122	.00181	.0087
RSD	1.6322	.22054	.16992	.28494	.27600	.79037	.44839
#1	.04489	.05066	63.727	.17079	.44138	.22798	1.9446
#2	.04387	.05050	63.574	.17148	.43966	.23054	1.9570
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3256	13.352	.44077	.04120	5.1870	.43677	4.0018
SD	.0001	.058	.00143	.00045	.1483	.00056	.0118
RSD	.00511	.43755	.32418	1.0862	2.8589	.12745	.29458
#1	1.3256	13.311	.44178	.04152	5.2919	.43637	4.0101
#2	1.3257	13.394	.43976	.04089	5.0821	.43716	3.9934
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.8866	.44463	.42753	.44398	.45851	1.6436	1.6715
SD	.0870	.00252	.00161	.00217	.00183	.0011	.0164
RSD	1.2638	.56751	.37769	.48781	.40003	.06400	.97899
#1	6.8250	.44642	.42868	.44551	.45721	1.6443	1.6599
#2	6.9481	.44285	.42639	.44244	.45981	1.6428	1.6831
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.88052	.93727	.93963	.91982	.89955		
SD	.00530	.00057	.00352	.00759	.01356		
RSD	.60148	.06045	.37461	.82533	1.5073		
#1	.87677	.93687	.93714	.92519	.88997		
#2	.88426	.93767	.94212	.91445	.90914		

AD
8/23/00

Method: 6010B Sample Name: 32648SD

Operator: AD

In Time: 08/23/00 17:23:58

Comment:

Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7916	1.7989	.45665	1.6759	.44362	1.9418	1.9713
Dev	.0106	.0068	.00204	.0001	.00255	.0034	.0021
RSD	.59288	.37726	.44669	.00787	.57543	.17520	.10705

#1	1.7992	1.7941	.45521	1.6758	.44182	1.9442	1.9728
#2	1.7841	1.8037	.45809	1.6760	.44543	1.9394	1.9698

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04487	.05085	64.001	.17191	.44297	.23255	1.9545
Dev	.00103	.00054	.104	.00097	.00150	.00026	.0070
RSD	2.2934	1.0582	.16190	.56732	.33782	.11120	.35803

#1	.04560	.05047	63.927	.17122	.44191	.23273	1.9495
#2	.04415	.05123	64.074	.17260	.44402	.23237	1.9594

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3355	13.507	.44735	.04106	5.2429	.43913	4.0237
Dev	.0003	.002	.00273	.00045	.0791	.00167	.0025
RSD	.01995	.01236	.61014	1.0920	1.5085	.38051	.06149

#1	1.3357	13.508	.44928	.04138	5.1870	.43795	4.0254
#2	1.3353	13.506	.44542	.04075	5.2988	.44031	4.0219

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.9437	.44806	.43324	.44827	.45977	1.6481	1.6889
Dev	.0238	.00134	.00499	.00045	.00328	.0082	.0043
RSD	.34222	.29815	1.1518	.10078	.71422	.49865	.25465

1	6.9269	.44712	.42971	.44859	.45744	1.6539	1.6859
2	6.9605	.44901	.43676	.44795	.46209	1.6423	1.6920

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avg	.89058	.94792	.94923	.92635	.90911
Dev	.00207	.00231	.00096	.00185	.01088
RSD	.23197	.24400	.10156	.19944	1.1963

1	.89204	.94628	.94855	.92504	.90142
2	.88911	.94955	.94992	.92766	.91680

AD
8/23/00

Method: 6010B Sample Name: CCV1
 Run Time: 08/23/00 17:27:34
 Comment: CCV
 Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	2.4664	2.4860	2.4891	2.4228	2.4839	5.0654	5.0571
Dev	.0189	.0273	.0002	.0108	.0042	.0303	.0192
RSD	.76539	1.0964	.00850	.44587	.16864	.59844	.38060

1	2.4531	2.4667	2.4889	2.4304	2.4869	5.0440	5.0435
2	2.4798	2.5052	2.4892	2.4152	2.4809	5.0869	5.0707

Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.12491	1.2463	12.452	.49671	1.2418	.61982	2.4731
Dev	.00082	.0074	.117	.00373	.0100	.00121	.0361
RSD	.65691	.59304	.94187	.75041	.80785	.19588	1.4595

1	.12549	1.2411	12.369	.49407	1.2347	.61896	2.4476
2	.12433	1.2515	12.535	.49934	1.2489	.62068	2.4987

Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	1.2463	12.328	1.2463	.62048	12.747	1.2418	1.2678
Dev	.0084	.092	.0107	.00256	.005	.0079	.0082
RSD	.67024	.74605	.85652	.41221	.03878	.63586	.64730

1	1.2404	12.263	1.2387	.61867	12.744	1.2363	1.2620
2	1.2522	12.393	1.2538	.62229	12.751	1.2474	1.2736

Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	13.522	2.4741	2.5021	2.4714	2.4969	2.3998	2.4335
Dev	.013	.0074	.0022	.0064	.0036	.0234	.0044
RSD	.09595	.29766	.08678	.25764	.14609	.97660	.18159

1	13.513	2.4793	2.5006	2.4759	2.4943	2.4164	2.4366
2	13.531	2.4689	2.5036	2.4669	2.4995	2.3833	2.4303

Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Average	2.4599	2.5047	2.5002	2.4819	2.4699
Dev	.0108	.0246	.0168	.0247	.0665
RSD	.43860	.98108	.67252	.99557	2.6905

1	2.4523	2.4873	2.4883	2.4644	2.4229
2	2.4676	2.5221	2.5121	2.4993	2.5169

AD
 8/23/00

Method: 6010B Sample Name: CCB
 In Time: 08/23/00 17:33:47
 Comment: CCB
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00774	.00176	.00360	.00222	.08743	.00189
SD	.00140	.00049	.00115	.00034	.00368	.00080	.00105
RSD	1878.6	6.3322	65.686	9.4559	166.00	.91240	55.911
#1	-.00092	.00740	.00094	.00336	.00482	.08800	.00114
#2	.00107	.00809	.00257	.00384	-.00039	.08687	.00263
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00265	.00040	-.05176	.00052	.00150	-.00292	-.01209
SD	.00141	.00017	.00832	.00007	.00010	.00054	.00570
RSD	53.137	41.278	16.071	12.861	6.7344	18.417	47.140
#1	.00365	.00052	-.05764	.00057	.00158	-.00254	-.01612
#2	.00166	.00029	-.04588	.00047	.00143	-.00330	-.00806
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	-.02492	.00204	.00015	-.08039	.00107	.00138
SD	.00043	.00537	.00080	.00065	.20267	.00030	.00070
RSD	84.747	21.573	39.063	439.80	252.10	28.295	50.834
#1	.00020	-.02872	.00261	.00060	.06292	.00129	.00089
#2	.00081	-.02111	.00148	-.00031	-.22370	.00086	.00188
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01876	.00618	-.00722	.00376	-.00010	.01267	-.00178
SD	.00146	.00291	.00522	.00516	.00084	.00006	.00054
RSD	7.7704	47.140	72.361	137.06	846.45	.43440	30.221
#1	.01773	.00824	-.00353	.00012	.00050	.01271	-.00216
#2	.01979	.00412	-.01091	.00741	-.00070	.01263	-.00140
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.01273	.01087	-.00989	.00684	.00112		
SD	.00456	.00482	.00139	.00381	.00032		
RSD	35.842	44.367	14.019	55.750	28.284		
#1	.01596	.01428	-.01086	.00414	.00090		
#2	.00950	.00746	-.00891	.00954	.00134		

AD
 8/23/00

thod: 6010B Sample Name: 32648LX5

Operator: AD

n Time: 08/23/00 17:37:21

mmment:

de: CONC Corr. Factor: 1

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00166	-.00249	.00290	-.00015	.00098	.14638	.01620
Dev	.00133	.00049	.00069	.00158	.00014	.00120	.00019
RSD	80.080	19.671	23.874	1024.7	14.245	.81744	1.1498
1	.00072	-.00283	.00241	-.00127	.00108	.14553	.01633
2	.00261	-.00214	.00339	.00096	.00089	.14722	.01607
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00246	.00125	15.109	-.00076	.00122	-.00357	.26733
Dev	.00136	.00003	.080	.00013	.00030	.00031	.00190
RSD	55.031	2.8108	.52852	17.549	24.957	8.8130	.71066
1	.00342	.00123	15.053	-.00066	.00143	-.00334	.26599
2	.00150	.00128	15.166	-.00085	.00100	-.00379	.26867
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.20274	3.0524	.00060	.00021	1.0696	-.00066	.88320
Dev	.00121	.0203	.00116	.00027	.1582	.00030	.00493
RSD	.59851	.66524	192.19	128.07	14.789	46.197	.55771
1	.20188	3.0380	-.00022	-.00002	1.1814	-.00044	.87972
2	.20360	3.0667	.00142	-.00040	.95771	-.00087	.88668
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	1.3291	.00453	-.00762	.00066	.00316	.00210	-.00208
Dev	.0190	.00037	.00032	.00059	.00074	.00226	.00116
RSD	1.4258	8.1814	4.2188	89.896	23.483	107.66	55.601
1	1.3157	.00480	-.00785	.00024	.00263	.00050	-.00290
2	1.3425	.00427	-.00740	.00108	.00368	.00370	-.00126
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.02075	.00242	.09504	.00949	.00034		
Dev	.00080	.00050	.00044	.00077	.00005		
RSD	3.8637	20.728	.46495	8.1559	15.713		
	.02132	.00278	.09473	.00894	.00037		
	.02019	.00207	.09536	.01004	.00030		

AD
8/23/00

Method: 6010B Sample Name: PBW
Run Time: 08/23/00 17:43:30
Comment: PBW
Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00471	.00155	.00046	.00303	-.01943	.00053
SDev	.00048	.00202	.00110	.00015	.00030	.00301	.00012
%RSD	44.827	42.912	70.992	32.192	9.9396	15.498	23.570
#1	.00141	.00614	.00233	.00036	.00324	-.02156	.00062
#2	.00073	.00328	.00077	.00056	.00282	-.01730	.00044
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.00006	.01124	.00047	.00100	-.00129	-.00387
SDev	.00089	.00011	.00076	.00030	.00076	.00046	.00365
%RSD	725.27	180.85	6.7344	64.313	75.425	35.370	94.281
#1	-.00075	.00013	.01177	.00069	.00154	-.00161	-.00645
#2	.00051	-.00002	.01070	.00026	.00047	-.00097	-.00129
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00889	.00203	.00013	.75229	.00098	-.00250
SDev	.00006	.00000	.00067	.00024	.00000	.00028	.00045
%RSD	70.899	.00000	33.052	180.67	.00000	28.297	18.059
#1	.00014	.00889	.00250	-.00004	.75229	.00117	-.00218
#2	.00005	.00889	.00155	.00031	.75229	.00078	-.00282
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00965	.00324	.00112	.00280	.00007	-.00798	.00387
SDev	.00523	.00016	.00058	.00276	.00027	.00116	.00073
%RSD	54.161	4.9913	51.952	98.555	396.01	14.603	18.813
#1	-.00596	.00335	.00153	.00476	.00026	-.00715	.00335
#2	-.01335	.00312	.00071	.00085	-.00012	-.00880	.00438
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.00070	.00267	-.00277	.00201	.00052		
SDev	.00073	.00064	.00051	.00289	.00019		
%RSD	103.91	23.899	18.442	144.15	37.712		
#1	.00121	.00312	-.00241	-.00004	.00038		
#2	.00019	.00222	-.00313	.00405	.00065		

M
8/23/00

Method: 6010B Sample Name: LCSW
Run Time: 08/23/00 17:51:10
Comment: LCSW
Mode: CONC Corr. Factor: 1

Operator: AD

Element	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	2.0990	5.2974	2.1127	1.0292	2.0611	1.0878	1.1123
Dev.	.0020	.0131	.0049	.0001	.0032	.0008	.0002
RSD	.09508	.24724	.23165	.01225	.15380	.06920	.01676
1	2.0976	5.2882	2.1093	1.0292	2.0634	1.0873	1.1121
2	2.1004	5.3067	2.1162	1.0293	2.0589	1.0884	1.1124
Element	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	.97223	1.0721	11.689	1.0512	1.0553	1.0424	1.0820
Dev	.00036	.0028	.008	.0014	.0007	.0006	.0109
RSD	.03747	.26333	.06475	.13281	.06280	.05682	1.0114
1	.97249	1.0701	11.695	1.0502	1.0562	1.0428	1.0743
2	.97197	1.0741	11.684	1.0522	1.0553	1.0419	1.0898
Element	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	1.0620	11.779	1.0586	.26871	12.110	1.0625	1.0832
Dev	.0001	.016	.0024	.00020	.156	.0022	.0002
RSD	.01222	.13923	.23041	.07395	1.2856	.20832	.02093
1	1.0621	11.767	1.0568	.26857	12.220	1.0609	1.0834
2	1.0619	11.790	1.0603	.26885	12.000	1.0641	1.0830
Element	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Average	10.848	2.0803	2.0210	2.1104	2.1128	1.0305	1.0277
Dev	.070	.0076	.0057	.0033	.0057	.0019	.0011
RSD	.64890	.36482	.28115	.15600	.26948	.17979	.10840
1	10.898	2.0857	2.0170	2.1080	2.1088	1.0318	1.0270
2	10.798	2.0749	2.0250	2.1127	2.1169	1.0292	1.0285
Element	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Average	.98384	1.0773	Q1.3590	5.2410	1.0778		
Dev	.00036	.0039	.0005	.0108	.0182		
RSD	.03680	.36519	.03769	.20569	1.6879		
1	.98410	1.0745	Q1.3594	5.2334	1.0650		
2	.98359	1.0801	Q1.3587	5.2486	1.0907		

AD
8/23/00

Method: 6010B Sample Name: EXT.BLANK
 Run Time: 08/23/00 17:55:31
 Comment: EXT.BLANK
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00651	.00641	.00193	.00292	-.00049	.01171	.00031
SDev	.00351	.00297	.00016	.00134	.00026	.00113	.00006
%RSD	53.952	46.408	8.3811	45.949	52.984	9.6421	20.203
#1	.00402	.00851	.00205	.00386	-.00067	.01251	.00035
#2	.00899	.00430	.00182	.00197	-.00030	.01091	.00026
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	.00171	.11881	.00601	.00047	-.00097	.00387
SDev	.00082	.00018	.00454	.00134	.00038	.00109	.00730
%RSD	1733.8	10.424	3.8222	22.220	80.812	113.22	188.56
#1	.00063	.00159	.12202	.00696	.00074	-.00019	.00903
#2	-.00053	.00184	.11560	.00507	.00020	-.00174	-.00129
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	.00541	.00859	-.00041	H180.13	.00059	-.00000
SDev	.00007	.00601	.00110	.00102	1.56	.00028	.00023
%RSD	8.9050	111.12	12.807	249.56	.86674	47.094	67569.
#1	.00079	.00966	.00781	.00031	H179.03	.00078	.00016
#2	.00069	.00116	.00937	-.00113	H181.24	.00039	-.00016
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00164	.00137	-.00570	.00291	.00053	.00902	-.00094
SDev	.01365	.00086	.00095	.00481	.00224	.00456	.00034
%RSD	830.85	62.854	16.717	165.25	422.40	50.472	36.391
#1	.01130	.00076	-.00503	.00632	-.00105	.01225	-.00118
#2	-.00801	.00198	-.00638	-.00049	.00211	.00580	-.00070
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avge	.00111	.00241	-.00521	.00071	-.00003		
SDev	.00086	.00080	.00204	.00252	.00029		
%RSD	32.836	33.153	39.159	356.74	848.53		
#1	.00137	.00297	-.00377	-.00108	.00017		
#2	.00085	.00184	-.00666	.00249	-.00024		

AD
 8/23/00

Analysis Report

08/23/00 06:15:44 PM

page 1

Method: 6010B Sample Name: 32920T
 In Time: 08/23/00 18:08:21
 Comment: PNE-1 *8/23/00*
 Code: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00525	.01059	.00218	.00137	-.00189	.08225	.14038
SDev	.00063	.00153	.00103	.00123	.00146	.00602	.00031
%RSD	11.962	14.477	47.454	89.366	77.092	7.3228	.22132
#1	.00570	.01168	.00145	.00051	-.00292	.08651	.14060
#2	.00481	.00951	.00291	.00224	-.00086	.07799	.14016
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00042	.00161	22.065	-.00103	.00114	.00951	.05546
SDev	.00057	.00035	.198	.00097	.00019	.00050	.00730
%RSD	133.79	21.920	.89527	94.134	16.638	5.2653	13.155
#1	.00002	.00186	22.205	-.00035	.00100	.00916	.06061
#2	.00082	.00136	21.925	-.00172	.00127	.00987	.05030
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07243	9.5521	.00280	-.00007	H143.83	.00039	.08789
SDev	.00026	.0492	.00054	.00058	.08	.00055	.00075
%RSD	.36139	.51507	19.120	770.65	.05713	142.34	.85437
#1	.07262	9.5869	.00318	-.00048	H143.88	.00078	.08842
#2	.07225	9.5173	.00242	.00033	H143.77	-.00000	.08736
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.54590	-.00080	-.00568	-.01366	.00923	.00722	-.00235
SDev	.00058	.00231	.00042	.00277	.00017	.00439	.00043
%RSD	.10641	289.58	7.3411	20.277	1.8239	60.893	18.288
#1	.54549	-.00244	-.00538	-.01562	.00911	.00411	-.00204
#2	.54632	.00084	-.00597	-.01170	.00935	.01033	-.00265
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avge	.01182	.00038	.19230	-.00122	.00203		
SDev	.00084	.00027	.00074	.00137	.00019		
%RSD	7.0657	70.353	.38333	112.30	9.5879		
#1	.01241	.00019	.19282	-.00025	.00217		
#2	.01123	.00057	.19178	-.00219	.00189		

AD
8/23/00

ethod: 6010B Sample Name: 32920TD
 un Time: 08/23/00 18:16:37
 omment: PNE-1D
 ode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00572	.00479	.00021	.00289	-.00172	.07799	.14055
SDev	.00203	.00151	.00042	.00233	.00016	.00753	.00044
%RSD	35.510	31.459	198.39	80.762	9.5135	9.6534	.30946
#1	.00716	.00373	.00051	.00124	-.00160	.07266	.14025
#2	.00429	.00586	-.00009	.00454	-.00183	.08331	.14086
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	.00160	22.519	-.00258	.00013	.00857	.01677
SDev	.00044	.00049	.317	.00146	.00085	.00100	.01459
%RSD	122.22	30.836	1.4083	56.533	636.40	11.704	87.029
#1	-.00068	.00125	22.743	-.00361	-.00047	.00786	.00645
#2	-.00005	.00195	22.295	-.00155	.00074	.00928	.02708
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07336	9.6078	.00140	-.00163	H144.17	-.00078	.08938
SDev	.00026	.0142	.00182	.00102	1.27	.00166	.00075
%RSD	.35437	.14794	130.00	62.637	.87892	211.81	.84241
#1	.07354	9.6179	.00011	-.00235	H145.07	-.00196	.08991
#2	.07317	9.5978	.00269	-.00091	H143.28	.00039	.08885
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50360	-.00346	.00028	-.02249	.01069	.00669	.00019
SDev	.04154	.00124	.00297	.00114	.00007	.00376	.00154
%RSD	8.2477	35.744	1043.4	5.0585	.62316	56.219	830.20
#1	.47423	-.00434	.00238	-.02169	.01074	.00403	-.00091
#2	.53297	-.00259	-.00182	-.02330	.01065	.00935	.00128
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avge	.01105	.00019	.19026	-.00594	.00127		
SDev	.00039	.00021	.00136	.00194	.00078		
%RSD	3.5450	112.62	.71630	32.700	61.155		
#1	.01078	.00034	.19122	-.00457	.00072		
#2	.01133	.00004	.18930	-.00732	.00182		

AD
 8/23/00

Method: 6010B Sample Name: 32920S
 In Time: 08/23/00 18:21:20
 Comment: PNE-1S
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27289	.00640	.26679	.27062	-.00052	.09689	5.6599
Dev	.00067	.00109	.00139	.00091	.00241	.00339	.0024
RSD	.24373	17.031	.52017	.33515	467.82	3.4967	.04281
1	.27336	.00717	.26581	.27126	.00119	.09449	5.6616
2	.27242	.00563	.26777	.26998	-.00222	.09928	5.6582
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.05553	21.389	.25795	.00234	.00842	.03611
Dev	.00005	.00089	.127	.00176	.00038	.00050	.00182
RSD	32.879	1.5969	.59448	.68295	16.162	5.9608	5.0508
1	.00012	.05616	21.479	.25920	.00261	.00806	.03482
2	.00019	.05490	21.299	.25671	.00208	.00877	.03740
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07022	9.2676	.00295	.51364	H139.50	-.00020	.08428
Dev	.00013	.0394	.00113	.00145	.05	.00028	.00015
RSD	.18565	.42471	38.117	.28196	.03720	140.17	.17720
1	.07031	9.2955	.00375	.51467	H139.54	-.00000	.08439
2	.07013	9.2398	.00216	.51262	H139.46	-.00039	.08418
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.53492	.00065	-.00445	.24836	.27514	.27374	.26826
Dev	.00131	.00415	.00091	.00518	.00051	.00360	.00051
RSD	.24435	640.56	20.404	2.0872	.18442	1.3155	.19153
1	.53399	.00358	-.00510	.24469	.27550	.27629	.26790
2	.53584	-.00228	-.00381	.25202	.27478	.27120	.26862
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.01079	-.00045	.17866	-.00654	.00175		
Dev	.00013	.00005	.00142	.00037	.00029		
RSD	1.1824	11.824	.79371	5.6359	16.638		
1	.01088	-.00049	.17967	-.00680	.00155		
2	.01070	-.00041	.17766	-.00628	.00196		

M
8/23/00

Method: 6010B Sample Name: 32920SD
 Run Time: 08/23/00 18:27:12
 Comment: PNE-1SD
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27367	.00847	.26566	.27086	-.00131	.09156	5.6960
SD	.00392	.00144	.00064	.00315	.00033	.00188	.0493
RSD	1.4311	17.008	.24001	1.1642	24.903	2.0555	.86616
#1	.27644	.00746	.26521	.27309	-.00154	.09023	5.7309
#2	.27090	.00949	.26612	.26863	-.00108	.09289	5.6611
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.05541	21.375	.25856	.00194	.00893	.03611
SD	.00002	.00071	.067	.00018	.00038	.00014	.01277
RSD	46.244	1.2761	.31514	.07058	19.506	1.5439	35.355
#1	.00002	.05491	21.422	.25868	.00167	.00883	.02708
#2	.00005	.05591	21.327	.25843	.00221	.00903	.04514
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07049	9.3477	.00144	.51580	H139.43	-.00039	.08375
SD	.00052	.0968	.00064	.00420	.19	.00000	.00045
RSD	.73954	1.0351	44.820	.81354	.13957	.16235	.53617
#1	.07086	9.4161	.00189	.51876	H139.57	-.00039	.08406
#2	.07013	9.2792	.00098	.51283	H139.30	-.00039	.08343
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52937	.00030	-.00615	.24632	.27447	.27517	.26796
SD	.01060	.00000	.00083	.00154	.00173	.00286	.00616
RSD	2.0027	.00000	13.454	.62646	.62898	1.0398	2.2974
#1	.52188	.00030	-.00674	.24741	.27325	.27314	.27231
#2	.53687	.00030	-.00557	.24522	.27569	.27719	.26360
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.01098	-.00045	.18252	-.00412	.00158		
SD	.00086	.00154	.00051	.00274	.00053		
RSD	7.7919	342.65	.28008	66.400	33.818		
#1	.01038	-.00154	.18288	-.00605	.00120		
#2	.01159	.00064	.18215	-.00219	.00196		

MP
 8/23/00

thod: 6010B Sample Name: 32920LX5
 n Time: 08/23/00 18:32:46
 mment: PNE-1LX5
 de: CONC Corr. Factor: 1

Operator: AD

lem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00266	-.00198	-.00039	-.00046	-.00044	.04312	.02772
Dev	.00015	.00062	.00096	.00208	.00180	.00264	.00019
RSD	5.5412	31.492	246.19	455.88	405.22	6.1107	.67236
1	.00256	-.00242	-.00107	.00101	-.00171	.04498	.02759
2	.00277	-.00154	.00029	-.00193	.00083	.04126	.02786
lem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.00019	.00093	4.2322	.00000	.00054	-.00045	-.01290
Dev	.00017	.00013	.0545	.00000	.00010	.00000	.00547
RSD	88.195	13.882	1.2876	250.60	17.678	.07460	42.426
1	.00031	.00102	4.1937	-.00000	.00060	-.00045	-.00903
2	.00007	.00084	4.2708	.00000	.00047	-.00045	-.01677
lem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.01385	1.8083	.00178	-.00028	24.835	.00039	.01442
Dev	.00019	.0126	.00005	.00014	.247	.00055	.00083
RSD	1.4110	.69532	2.9827	50.832	.99261	141.12	5.7414
1	.01371	1.7994	.00182	-.00038	24.661	.00078	.01383
2	.01399	1.8172	.00175	-.00018	25.009	.00000	.01501
lem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
nits	ppm	ppm	ppm	ppm	ppm	ppm	ppm
vge	.08000	-.00030	-.00222	-.01053	.00382	-.00113	-.00097
Dev	.00334	.00075	.00389	.00072	.00179	.00238	.00193
RSD	4.1755	247.49	174.81	6.8434	47.007	210.20	197.72
1	.07763	-.00084	-.00497	-.01002	.00255	.00055	.00039
2	.08236	.00023	.00052	-.01104	.00509	-.00282	-.00234
lem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
nits	ppm	ppm	ppm	ppm	ppm		
vge	.00033	.00056	.02524	-.00476	.00014		
Dev	.00029	.00011	.00199	.00079	.00005		
RSD	87.432	18.897	7.8681	16.561	35.355		
1	.00054	.00064	.02384	-.00532	.00010		
2	.00013	.00049	.02664	-.00420	.00017		

AD
8/23/00

Method: 6010B Sample Name: 32921T
 In Time: 08/23/00 18:36:27
 Comment: PSW-1
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00645	.01223	.00056	.00066	-.00046	.10514	.11287
Dev	.00225	.00040	.00126	.00103	.00191	.00000	.00155
RSD	34.929	3.2426	225.09	156.39	411.73	.00000	1.3762
#1	.00486	.01251	.00145	.00139	.00089	.10514	.11397
#2	.00805	.01195	-.00033	-.00007	-.00181	.10514	.11178
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00121	19.941	-.00185	.00027	.00912	.03353
Dev	.00010	.00027	.511	.00103	.00047	.00005	.00547
RSD	46.231	22.461	2.5619	55.875	176.78	.50240	16.318
#1	.00015	.00101	20.303	-.00258	.00060	.00909	.02966
#2	.00029	.00140	19.580	-.00112	-.00007	.00916	.03740
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07156	7.6441	.00138	-.00142	H138.58	-.00059	.08673
Dev	.00137	.0940	.00104	.00034	1.72	.00083	.00233
RSD	1.9154	1.2301	75.669	24.042	1.2421	140.97	2.6875
#1	.07253	7.7106	.00064	-.00166	H139.80	-.00118	.08838
#2	.07059	7.5776	.00212	-.00118	H137.36	-.00000	.08508
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45235	-.00129	-.00030	-.01720	.00857	.00763	-.00362
Dev	.02135	.00129	.00314	.00361	.00369	.00064	.00179
RSD	4.7194	99.827	1044.6	21.010	43.082	8.3477	49.585
#1	.43726	-.00038	.00192	-.01975	.01118	.00718	-.00235
#2	.46745	-.00221	-.00252	-.01464	.00596	.00808	-.00489
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.00917	-.00098	.19575	-.00207	.00175		
Dev	.00029	.00197	.00233	.00174	.00029		
RSD	3.1627	201.44	1.1889	83.663	16.638		
#1	.00896	.00041	.19740	-.00330	.00155		
#2	.00937	-.00237	.19411	-.00085	.00196		

AD
8/23/00

Method: 6010B Sample Name: CCV1
 Run Time: 08/23/00 18:40:05
 Comment: CCV
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5270	2.5646	2.5397	2.5196	2.5309	5.1360	5.3270
SD	.0057	.0203	.0513	.0413	.0377	.0312	.0257
RSD	.22671	.79155	2.0207	1.6392	1.4900	.60831	.48291

#1	2.5310	2.5503	2.5034	2.4904	2.5042	5.1139	5.3088
#2	2.5229	2.5790	2.5759	2.5488	2.5576	5.1581	5.3452

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12404	1.2854	12.662	.50845	1.2655	.63806	2.5355
SD	.00036	.0042	.156	.00255	.0049	.00237	.0274
RSD	.29266	.32955	1.2313	.50138	.38924	.37218	1.0790

#1	.12378	1.2824	12.552	.50665	1.2620	.63974	2.5548
#2	.12429	1.2884	12.773	.51025	1.2690	.63638	2.5161

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2702	12.479	1.2691	.61774	12.752	1.2791	1.2608
SD	.0116	.036	.0051	.00631	.112	.0080	.0084
RSD	.91478	.28475	.40160	1.0222	.88176	.62756	.66879

#1	1.2620	12.454	1.2655	.61328	12.673	1.2734	1.2548
#2	1.2784	12.504	1.2727	.62221	12.832	1.2847	1.2667

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.734	2.5578	2.4755	2.5358	2.5406	2.5361	2.5105
SD	.235	.0170	.0793	.0253	.0642	.0130	.0554
RSD	1.7120	.66286	3.2028	.99965	2.5273	.51333	2.2076

#1	13.568	2.5458	2.4194	2.5178	2.4952	2.5268	2.4713
#2	Q13.900	2.5698	2.5315	2.5537	2.5860	2.5453	2.5497

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.4847	2.6019	2.4786	2.5072	2.6168
SD	.0131	.0071	.0223	.0178	.0275
RSD	.52653	.27176	.89962	.70880	1.0522

#1	2.4754	2.6069	2.4628	2.4947	2.6362
#2	2.4939	2.5969	2.4943	2.5198	2.5973

AD
 8/23/00

Method: 6010B Sample Name: CCB
 Run Time: 08/23/00 18:44:08
 Comment: CCB
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00238	.00530	.00117	-.00203	-.00001	.02183	.00040
SD	.00211	.00029	.00179	.00097	.00027	.00264	.00006
RSD	88.621	5.4489	153.19	47.589	2266.4	12.073	15.713
#1	.00089	.00510	.00244	-.00135	.00018	.01996	.00035
#2	.00387	.00551	-.00010	-.00271	-.00020	.02369	.00044
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	.00058	.00749	-.00013	.00080	-.00226	-.01161
SD	.00094	.00001	.00000	.00006	.00028	.00064	.00730
RSD	131.96	1.8283	.00000	47.062	35.355	28.241	62.854
#1	.00138	.00057	.00749	-.00017	.00100	-.00181	-.01677
#2	.00005	.00059	.00749	-.00009	.00060	-.00271	-.00645
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	.00657	.00171	-.00001	.42508	.00039	-.00250
SD	.00007	.00219	.00139	.00004	.16867	.00000	.00030
RSD	19817.	33.276	81.632	769.51	39.679	.09307	12.022
#1	-.00005	.00503	.00072	.00003	.54434	.00039	-.00271
#2	.00005	.00812	.00269	-.00004	.30581	.00039	-.00229
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.01725	.00015	-.00184	-.00536	.00357	-.00449	-.00160
SD	.01104	.00021	.00037	.00450	.00044	.00016	.00145
RSD	63.976	141.42	20.224	83.861	12.319	3.5452	90.582
#1	-.02506	.00030	-.00158	-.00218	.00388	-.00461	-.00058
#2	-.00945	-.00000	-.00211	-.00854	.00326	-.00438	-.00263
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.00324	.00646	-.01147	.00145	.00010		
SD	.00219	.00399	.00091	.00032	.00019		
RSD	67.701	61.666	7.9125	21.704	188.56		
#1	.00479	.00928	-.01083	.00167	-.00003		
#2	.00169	.00365	-.01211	.00123	.00024		

AD
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Method: 6010B Sample Name: 32741
 Run Time: 08/23/00 18:48:57
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00233	.00141	.00123	-.00143	.00037	.02582	.00044
Dev	.00019	.00176	.00102	.00023	.00073	.00602	.00000
RSD	7.9999	124.68	83.220	16.088	196.92	23.327	.00000
#1	.00246	.00017	.00195	-.00126	.00089	.02156	.00044
#2	.00219	.00266	.00050	-.00159	-.00015	.03008	.00044
Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00090	.00069	.00375	.00069	.00161	-.00255	-.00129
Dev	.00106	.00017	.00076	.00121	.00142	.00078	.02918
RSD	118.55	24.835	20.203	176.73	88.388	30.522	2262.7
#1	.00165	.00082	.00428	.00155	.00261	-.00200	.01934
#2	.00014	.00057	.00321	-.00017	.00060	-.00310	-.02192
Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00696	.00161	.00051	.51682	.00098	-.00229
Dev	.00000	.00492	.00018	.00098	.28976	.00083	.00000
RSD	4.0956	70.711	11.501	191.65	56.066	84.698	.05808
#1	.00005	.01044	.00174	.00121	.72171	.00156	-.00229
#2	.00005	.00348	.00148	-.00018	.31193	.00039	-.00229
Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00062	.00023	-.00084	-.00725	.00460	-.00397	-.00091
Dev	.01365	.00054	.00327	.00402	.00048	.00609	.00338
RSD	2215.6	235.70	387.99	55.396	10.365	153.37	373.41
#1	.00904	-.00015	.00147	-.00441	.00427	-.00827	.00149
#2	-.01027	.00061	-.00316	-.01010	.00494	.00034	-.00330
Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	-.00020	.00132	-.01352	-.00100	.00045		
Dev	.00002	.00064	.00028	.00052	.00068		
RSD	12.125	48.553	2.0903	52.157	152.30		
#1	-.00021	.00177	-.01332	-.00137	.00093		
#2	-.00018	.00086	-.01372	-.00063	-.00003		

AD
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Analysis Report

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Method: 6010B Sample Name: 32742

Operator: AD

Run Time: 08/23/00 18:52:53

Comment:

Mode: CONC Corr. Factor: 1

Item	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00341	.00099	.00104	-.00086	-.00084	5.3045	.21643
Dev	.00107	.00063	.00098	.00077	.00076	.0113	.00062
RSD	31.446	63.688	93.991	89.309	90.262	.21288	.28709
#1	.00265	.00144	.00035	-.00141	-.00030	5.2965	.21599
#2	.00417	.00055	.00173	-.00032	-.00137	5.3125	.21687
Item	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00152	.00037	48.219	.00152	.00589	.03493	5.3289
Dev	.00100	.00025	.037	.00049	.00010	.00069	.0237
RSD	65.453	67.656	.07691	31.927	1.6071	1.9631	.44494
#1	.00082	.00055	48.193	.00187	.00596	.03445	5.3121
#2	.00222	.00019	48.246	.00118	.00583	.03542	5.3456
Item	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24783	15.165	.00409	.00003	76.346	.00502	.05034
Dev	.00033	.025	.00118	.00009	.117	.00028	.00015
RSD	.13248	.16223	28.919	247.07	.15295	5.4924	.30261
#1	.24760	15.147	.00492	.00009	76.428	.00482	.05045
#2	.24806	15.182	.00325	-.00003	76.263	.00521	.05023
Item	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.3178	.00015	-.00432	-.00957	.00548	-.00366	-.00032
Dev	.0042	.00054	.00335	.00430	.00068	.00307	.00038
RSD	.09753	353.55	77.486	44.894	12.336	84.019	117.78
#1	4.3208	-.00023	-.00195	-.01261	.00596	-.00583	-.00005
#2	4.3149	.00053	-.00669	-.00653	.00500	-.00148	-.00059
Item	B_2496	Mo2020	Si2881	Sn1899	Ti3349		
Units	ppm	ppm	ppm	ppm	ppm		
Avg	.21430	.00004	8.9643	.00003	.14423		
Dev	.00043	.00021	.0236	.00073	.00136		
RSD	.19902	510.71	.26323	2200.5	.94438		
#1	.21400	-.00011	8.9476	.00055	.14519		
#2	.21460	.00019	8.9809	-.00049	.14327		

JP
8/23/00

Method: 6010B Sample Name: 32743
 Run Time: 08/23/00 18:58:40
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: AD

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00418	.00957	.00215	-.00081	-.00152	11.354	.36477
Dev	.00188	.00257	.00072	.00176	.00178	.010	.00025
RSD	45.029	26.811	33.219	218.07	116.93	.08952	.06814

#1	.00552	.01138	.00266	-.00205	-.00028	11.347	.36459
#2	.00285	.00775	.00165	.00044	-.00278	11.361	.36494

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2296	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00164	.00126	140.54	.00421	.01942	.03572	8.3389
Dev	.00105	.00038	.16	.00121	.00085	.00004	.0201
RSD	63.729	29.822	.11578	28.837	4.3889	.12299	.24058

#1	.00238	.00099	140.43	.00335	.01882	.03575	8.3247
#2	.00090	.00152	140.66	.00507	.02003	.03568	8.3531

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na3302	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.78029	14.381	.00887	-.00013	H2159.3	.01015	.06733
Dev	.00065	.034	.00078	.00006	2.8	.00055	.00007
RSD	.08387	.23947	8.7487	43.411	.12858	5.4431	.10893

#1	.77983	14.357	.00832	-.00018	H2157.3	.00976	.06728
#2	.78075	14.406	.00942	-.00009	H2161.3	.01054	.06738

Elem	K_7664	2068-2	2068-1	2203-1	2203-2	1960-1	1960-2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.886	-.00099	-.00409	-.01201	.00836	.00094	-.00248
Dev	.027	.00108	.00318	.00296	.00041	.00026	.00270
RSD	.12409	108.79	77.913	24.674	4.8687	28.181	108.70

#1	21.867	-.00023	-.00183	-.00991	.00808	.00112	-.00439
#2	21.905	-.00175	-.00634	-.01410	.00865	.00075	-.00057

Elem	B_2496	Mo2020	Si2881	Sn1899	Ti3349
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04915	.00017	9.0278	-.00415	.12159
Dev	.00176	.00005	.0157	.00089	.00253
RSD	3.5774	32.247	.17404	21.473	2.0803

#1	.04790	.00013	9.0167	-.00352	.11981
#2	.05039	.00020	9.0389	-.00478	.12338

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8/23/00