9502- MSWLF-1984

Volume 2 of 2 Book [redacted] 2 of 9

DAA JN: 6520-21

First Semi-Annual Assessment Monitoring Event Sampling Date: July 10-13, 1995

Scanned 6/5/12

Groundwater

Watauga County LF

Carmen Johnson (DJ)
Scanned by Date 6/5/12 Doc ID # RCO
95-02

First Semi-annual Assessment Monitoring Event

Sampling Date: July 10-13, 1995

Watauga County Landfill
NCDEHNR Permit No. 95-02

Prepared for:

Watauga County, North Carolina

Volume II of II Book 2 of 9

DAA JN: 6520-21

DRAPER ADEN ASSOCIATES
2206 S. MAIN STREET
BLACKSBURG, VA 24060
PHONE (540) 552 0444
FAX (540) 552 0291

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SECTION 1.4

CLP METALS ANALYTICAL DATA

COMPUCHEM
ENVIRONMENTAL
CORPORATION

30/JUL/95

Draper Aden Associates
Attn: Ms. Janet Cleary
2206 South Main Street
Blacksburg, VA 24060

Subject: Report of Data - Account Number# 500672 Order# 31059

Attn: Ms. Janet Cleary

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers 5 sample(s) appearing on the attached listing.

Thank you for selecting CompuChem Environmental for your sample analysis. If you should have questions or require additional analytical services please contact your representative at 1-919-406-1600.

Sincerely,

Report Preparation
CompuChem Laboratories, Inc.

Attachment

COMPUCHEM
ENVIRONMENTAL
CORPORATION

30/JUL/95

Draper Aden Associates
Attn: Ms. Janet Cleary
2206 South Main Street
Blacksburg, VA 24060

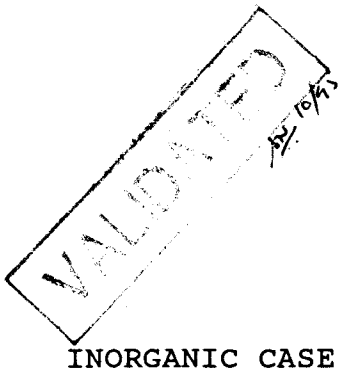
ACCOUNT #: 500672

CC#	SAMPLE-ID	RECEIPT DATE
739966	S-1	7/13/95
739971	S-2	7/13/95
739973	S-3	7/13/95
739975	S-4	7/13/95
739977	S-5	7/13/95

TOTAL NUMBER OF SAMPLES = 5

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600



INORGANIC CASE SUMMARY NARRATIVE
CASE # 50067 SDG # 10593M
CONTRACT # ILM03.0

The indicated Sample Delivery Group (SDG) consisting of five water samples was received into the laboratory management system (LMS) on July 13, 1995 intact and in good condition with Chain of Custody (COC) Records in order. The samples were analyzed, in accordance with EPA CLP Statement of Work (SOW) ILM03.0 for barium, iron, cadmium, and mercury.

SAMPLE IDs:

The following customer IDs are associated with this SDG:

S-1, S-2, S-3, S-4, S-5

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, CCB) and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within EPA CLP allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCS & PB) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, S-1S, was found to be inside control limits for the requested analytes.

CLP control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more; in this case affected analytes are not flagged even if recoveries fall outside percentage recovery control limits.

The sample matrix duplicate, S-1D, was within CLP control limits for all requested analytes.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample S-1L was performed in accordance with CLP requirements for ICP analysis. The adjusted sample concentrations were inside CLP control limits for all requested analytes.

CLP control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

Release of the data contained in this hard copy data package has been authorized by the laboratory Manager or his designee, as verified by the following signature.

Jeanne Alston
Final Technical Reviewer
July 28, 1995

Note: This report is paginated for reference and accountability.

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.:10593M

SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
_S-1_____	__739966_____
_S-1D_____	__739968_____
_S-1S_____	__739967_____
_S-2_____	__739971_____
_S-3_____	__739973_____
_S-4_____	__739975_____
_S-5_____	__739977_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

_____

_____

_____

_____

I certify that this 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Joanne C. Cate for Name: Marc Ross

Date: July 28, 1995 Title: Inorganic Div. Manager

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-1 ___

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER Lab Sample ID: 739966

Level (low/med): LOW__ Date Received: 07/13/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	502			P
7440-43-9	Cadmium	4.2	U		P
7439-89-6	Iron	19400			P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Duplicate_(S-1D)

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-2

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER Lab Sample ID: 739971

Level (low/med): LOW__ Date Received: 07/13/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	592			P
7440-43-9	Cadmium	4.2	U		P
7439-89-6	Iron	36100			P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-3

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER Lab Sample ID: 739973

Level (low/med): LOW__ Date Received: 07/13/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	277			P
7440-43-9	Cadmium	4.2	U		P
7439-89-6	Iron	5740			P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-4

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER Lab Sample ID: 739975

Level (low/med): LOW__ Date Received: 07/13/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	86.1	B		P
7440-43-9	Cadmium	4.2	U		P
7439-89-6	Iron	1290			P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S-5

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER Lab Sample ID: 739977

Level (low/med): LOW__ Date Received: 07/13/95

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	310			P
7440-43-9	Cadmium	4.2	U		P
7439-89-6	Iron	87900			P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Barium	2009.0	1941.10	96.6	5000.0	4798.30	96.0	4789.80	95.8	P
Cadmium	510.0	500.03	98.0	5000.0	4957.80	99.2	4969.30	99.4	P
Iron	1985.0	1949.40	98.2	5000.0	4794.30	95.9	4799.80	96.0	P
Mercury	4.9	5.16	105.3	5.0	5.11	102.2	5.05	101.0	CV

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Barium				5000.0	4812.80	96.3	4819.20	96.4	P
Cadmium				5000.0	4982.60	99.7	5000.20	100.0	P
Iron				5000.0	4765.40	95.3	4829.80	96.6	P
Mercury				5.0	5.01	100.2	4.97	99.4	CV

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

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Barium									NR
Cadmium									NR
Iron									NR
Mercury				5.0	4.80	96.0	4.76	95.2	CV

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

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

AA CRDL Standard Source: SPEX_____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Barium								
Cadmium				10.0	9.79	97.9	9.48	94.8
Iron								
Mercury	0.2	0.21	105.0					

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium	0.8	U	1.5	B	1.0	B	0.9	B	1.340	B	P
Cadmium	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Iron	8.7	U	8.7	U	8.7	U	8.7	U	8.700	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	CV

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

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) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium			0.8	U							P
Cadmium			4.2	U							P
Iron			14.0	B							P
Mercury			0.2	U	0.2	U	0.2	U			CV

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

S-1A

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water) : WATER_ Level (low/med): LOW___

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Barium									NR
Cadmium									NR
Iron									NR
Mercury									NR

Comments:

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No: _____ SDG No.: 10593M

ICP ID Number: ICP2_____ ICS Source: ICF_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Barium	0	485	2	466.0	96.1	2	467.6	96.4
Cadmium	0	899	-8	976.8	108.7	-10	987.2	109.8
Iron	190704	191319	182710	180850.0	94.5	182430	181460.0	94.8
Mercury								

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

S-1S

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER_ Level (low/med): LOW___

% Solids for Sample: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Barium	75-125	2514.4000		501.6600		2000.00	100.6		P
Cadmium	75-125	39.5500		4.2000	U	50.00	79.1		P
Iron		19971.0000		19432.0000		1000.00	53.9		P
Mercury	75-125	1.0220		0.2000	U	1.00	102.2		CV

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

S-1D ___

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Barium	200.0	501.6600		484.0000		3.6		P
Cadmium		4.2000	U	4.2000	U			P
Iron		19432.0000		18738.0000		3.6		P
Mercury		0.2000	U	0.2000	U			CV

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Solid LCS Source: _____

Aqueous LCS Source: PELMER_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Barium	20000.0	19011.00	95.1						
Cadmium	500.0	479.83	96.0						
Iron	10000.0	9421.50	94.2						
Mercury									

U.S. EPA - CLP

8

STANDARD ADDITION RESULTS

Lab Name: COMPUCHEM_ENV._CORP.______ Contract:ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.:______ SDG No.:10593M

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD CON	1 ADD ABS	2 ADD CON	2 ADD ABS	3 ADD CON	3 ADD ABS	Final Conc.	r	Q

U.S. EPA - CLP

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

S-1L

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

Matrix (soil/water): WATER Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Barium	501.66		504.40	B	0.5		P
Cadmium	4.20	U	21.00	U			P
Iron	19432.00		19939.50		2.6		P
Mercury							NR

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

ICP ID Number: ICP2_____ Date: 07/15/95

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Barium	493.40		200	0.8	P
Cadmium	228.80		5	4.2	P
Iron	259.90		100	8.7	P
Mercury			0.2		NR

Comments:

U.S. EPA - CLP

10

Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

ICP ID Number: _____ Date: 07/15/95

Flame AA ID Number : V2_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Barium			200		NR
Cadmium			5		NR
Iron			100		NR
Mercury	253.70		0.2	0.2	CV

Comments:

U.S. EPA - CLP

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

ICP ID Number: ICP2_____ Date: 04/15/95

Analyte	Wavelength (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	AS_
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0090650
Iron	259.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						

Comments:

U.S. EPA - CLP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

ICP ID Number: ICP2_____ Date: 04/15/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : BE_	CO_	CR_	CU_	MN_
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0060060	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						

Comments:

U.S. EPA - CLP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

ICP ID Number: ICP2_____ Date: 04/15/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : NI_	V__	___	___	___
Barium	493.40	0.0000000	0.0000000			
Cadmium	228.80	-0.0008090	0.0000000			
Iron	259.90	0.0000000	0.0000000			
Mercury						

Comments:

U.S. EPA - CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 10593M

ICP ID Number: ICP2_____ Date: 07/15/95

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Barium	7.00	100000.0	P
Cadmium	7.00	100000.0	P
Iron	7.00	300000.0	P
Mercury			NR

Comments:

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067_ SAS No.: _____ SDG No.:10593M

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	07/17/95		100
PBW	07/17/95		100
S-1	07/17/95		100
S-1D	07/17/95		100
S-1S	07/17/95		100
S-2	07/17/95		100
S-3	07/17/95		100
S-4	07/17/95		100
S-5	07/17/95		100

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067_ SAS No.: _____ SDG No.:10593M

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBW	07/17/95		100
S-1	07/17/95		100
S-1D	07/17/95		100
S-1S	07/17/95		100
S-2	07/17/95		100
S-3	07/17/95		100
S-4	07/17/95		100
S-5	07/17/95		100

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: ICP2_____ Method: P_

Start Date: 07/19/95 End Date: 07/19/95

EPA Sample No.	D/F	Time	% R	Analytes																									
				B A	C D	F E	H G																						
S0	1.00	0931		X	X	X																							
S	1.00	0935			X																								
S	1.00	0940																											
S	1.00	0944		X		X																							
S	1.00	0948																											
ICV	1.00	0948		X	X	X																							
ICV	1.00	0952																											
ICV	1.00	0956																											
ICB	1.00	1000		X	X	X																							
ICSA	1.00	1004		X	X	X																							
ICSAB	1.00	1008		X	X	X																							
CRI	1.00	1012			X																								
CCV	1.00	1016		X	X	X																							
CCB	1.00	1020		X	X	X																							
PBW	1.00	1024		X	X	X																							
ZZZZZZ	1.00	1028																											
ZZZZZZ	1.00	1032																											
LCSW	1.00	1036		X	X	X																							
ZZZZZZ	1.00	1040																											
ZZZZZZ	5.00	1044																											
ZZZZZZ	1.00	1048																											
ZZZZZZ	1.00	1052																											
S-1	1.00	1056		X	X	X																							
S-1D	1.00	1100		X	X	X																							
CCV	1.00	1104		X	X	X																							
CCB	1.00	1108		X	X	X																							
S-1S	1.00	1112		X	X	X																							
ZZZZZZ	1.00	1116																											
ZZZZZZ	1.00	1120																											
ZZZZZZ	1.00	1124																											
S-2	1.00	1128		X	X	X																							
S-3	1.00	1132		X	X	X																							

U.S. EPA - CLP

14
ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: ICP2_____ Method: P_

Start Date: 07/19/95 End Date: 07/19/95

EPA Sample No.	D/F	Time	% R	Analytes																										
				B A	C D	F E	H G																							
S-4	1.00	1136		X	X	X																								
S-5	1.00	1140		X	X	X																								
ZZZZZZ	1.00	1144																												
ZZZZZZ	1.00	1148																												
CCV	1.00	1152		X	X	X																								
CCB	1.00	1156		X	X	X																								
ZZZZZZ	1.00	1200																												
S-1L	5.00	1204		X	X	X																								
ZZZZZZ	5.00	1208																												
ZZZZZZ	5.00	1212																												
S-1A	1.00	1215																												
ZZZZZZ	1.00	1219																												
CRI	1.00	1223			X																									
ICSA	1.00	1227		X	X	X																								
ICSAB	1.00	1231		X	X	X																								
CCV	1.00	1235		X	X	X																								
CCB	1.00	1239		X	X	X																								

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																									
				BA	CD	FE	HG																						
S0	1.00	0940					X																						
S0.2	1.00	0942					X																						
S0.5	1.00	0944					X																						
S1	1.00	0947					X																						
S5	1.00	0949					X																						
S10	1.00	0952					X																						
ICV	1.00	0954					X																						
ICB	1.00	0957					X																						
CRA	1.00	0959					X																						
CCV	1.00	1001					X																						
CCB	1.00	1004					X																						
ZZZZZZ	1.00	1006																											
ZZZZZZ	1.00	1009																											
ZZZZZZ	1.00	1011																											
ZZZZZZ	1.00	1013																											
ZZZZZZ	1.00	1016																											
ZZZZZZ	1.00	1018																											
ZZZZZZ	1.00	1020																											
ZZZZZZ	1.00	1023																											
ZZZZZZ	1.00	1025																											
ZZZZZZ	1.00	1027																											
CCV	1.00	1030					X																						
CCB	1.00	1032					X																						
ZZZZZZ	1.00	1034																											
ZZZZZZ	1.00	1037																											
ZZZZZZ	1.00	1039																											
ZZZZZZ	1.00	1041																											
ZZZZZZ	1.00	1044																											
ZZZZZZ	1.00	1046																											
ZZZZZZ	1.00	1048																											
ZZZZZZ	1.00	1051																											
ZZZZZZ	1.00	1053																											

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes BA	CD	FE	HG
ZZZZZZ	1.00	1055					
CCV	1.00	1058					X
CCB	1.00	1100					X
ZZZZZZ	1.00	1102					
ZZZZZZ	1.00	1105					
ZZZZZZ	1.00	1107					
ZZZZZZ	1.00	1109					
ZZZZZZ	1.00	1112					
ZZZZZZ	1.00	1114					
ZZZZZZ	1.00	1116					
ZZZZZZ	1.00	1119					
ZZZZZZ	1.00	1121					
ZZZZZZ	1.00	1123					
CCV	1.00	1126					X
CCB	1.00	1128					X
ZZZZZZ	1.00	1130					
ZZZZZZ	1.00	1133					
ZZZZZZ	1.00	1135					
ZZZZZZ	1.00	1137					
ZZZZZZ	1.00	1140					
ZZZZZZ	1.00	1142					
ZZZZZZ	1.00	1144					
ZZZZZZ	1.00	1147					
ZZZZZZ	1.00	1149					
ZZZZZZ	1.00	1151					
CCV	1.00	1154					X
CCB	1.00	1156					X
ZZZZZZ	1.00	1158					
PBW	1.00	1201					X
LCSW	1.00	1203					X
S-1	1.00	1206					X
S-1D	1.00	1208					X

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes BA	CD	FE	HG
S-1S	1.00	1210					X
S-2	1.00	1213					X
S-3	1.00	1215					X
S-4	1.00	1217					X
S-5	1.00	1220					X
CCV	1.00	1222					X
CCB	1.00	1225					X
ZZZZZZ	1.00	1227					
ZZZZZZ	1.00	1229					
ZZZZZZ	1.00	1232					
ZZZZZZ	1.00	1234					
ZZZZZZ	1.00	1236					
ZZZZZZ	1.00	1239					
ZZZZZZ	1.00	1241					
ZZZZZZ	1.00	1244					
ZZZZZZ	1.00	1246					
ZZZZZZ	1.00	1248					
CCV	1.00	1251					X
CCB	1.00	1253					X
ZZZZZZ	1.00	1256					
ZZZZZZ	1.00	1258					
ZZZZZZ	1.00	1300					
ZZZZZZ	1.00	1303					
ZZZZZZ	1.00	1305					
ZZZZZZ	1.00	1308					
ZZZZZZ	1.00	1310					
ZZZZZZ	1.00	1313					
ZZZZZZ	1.00	1315					
ZZZZZZ	1.00	1317					
CCV	1.00	1320					X
CCB	1.00	1322					X

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																										
				BA	CD	FE	HG																							
S0	1.00	0940					X																							
S0.2	1.00	0942					X																							
S0.5	1.00	0944					X																							
S1	1.00	0947					X																							
S5	1.00	0949					X																							
S10	1.00	0952					X																							
ICV	1.00	0954					X																							
ICB	1.00	0957					X																							
CRA	1.00	0959					X																							
CCV	1.00	1001					X																							
CCB	1.00	1004					X																							
ZZZZZZ	1.00	1006																												
ZZZZZZ	1.00	1009																												
ZZZZZZ	1.00	1011																												
ZZZZZZ	1.00	1013																												
ZZZZZZ	1.00	1016																												
ZZZZZZ	1.00	1018																												
ZZZZZZ	1.00	1020																												
ZZZZZZ	1.00	1023																												
ZZZZZZ	1.00	1025																												
ZZZZZZ	1.00	1027																												
CCV	1.00	1030					X																							
CCB	1.00	1032					X																							
ZZZZZZ	1.00	1034																												
ZZZZZZ	1.00	1037																												
ZZZZZZ	1.00	1039																												
ZZZZZZ	1.00	1041																												
ZZZZZZ	1.00	1044																												
ZZZZZZ	1.00	1046																												
ZZZZZZ	1.00	1048																												
ZZZZZZ	1.00	1051																												
ZZZZZZ	1.00	1053																												

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes BA	CD	FE	HG
ZZZZZZ	1.00	1055					
CCV	1.00	1058					X
CCB	1.00	1100					X
ZZZZZZ	1.00	1102					
ZZZZZZ	1.00	1105					
ZZZZZZ	1.00	1107					
ZZZZZZ	1.00	1109					
ZZZZZZ	1.00	1112					
ZZZZZZ	1.00	1114					
ZZZZZZ	1.00	1116					
ZZZZZZ	1.00	1119					
ZZZZZZ	1.00	1121					
ZZZZZZ	1.00	1123					
CCV	1.00	1126					X
CCB	1.00	1128					X
ZZZZZZ	1.00	1130					
ZZZZZZ	1.00	1133					
ZZZZZZ	1.00	1135					
ZZZZZZ	1.00	1137					
ZZZZZZ	1.00	1140					
ZZZZZZ	1.00	1142					
ZZZZZZ	1.00	1144					
ZZZZZZ	1.00	1147					
ZZZZZZ	1.00	1149					
ZZZZZZ	1.00	1151					
CCV	1.00	1154					X
CCB	1.00	1156					X
ZZZZZZ	1.00	1158					
PBW	1.00	1201					X
LCSW	1.00	1203					
S-1	1.00	1206					X
S-1D	1.00	1208					X

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10593M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																											
				B A	C D	F E	H G																								
S-1S	1.00	1210					X																								
S-2	1.00	1213					X																								
S-3	1.00	1215					X																								
S-4	1.00	1217					X																								
S-5	1.00	1220					X																								
CCV	1.00	1222					X																								
CCB	1.00	1225					X																								

ICP Runlog (P2)

Page 1 of 1

Date: 7-19-95

Method (Circle one.):
(CLP) 200.7
SW-846 6010

Operator Paul Cvetich
Case Name: 10593M/309833/309837

File Name: PEC0719A
WSL NAME: P271937

#	Sample ID	Comments	Action Needed	#	Sample ID	Comments	Action Needed
	ICV			1	739967	spK	
	ICB			2	737409		
	ICSA			3	737418	Dup	
	ICSAB			4	737417	spK	
	P2CRI			5	739971		
	CCV			6	739973		
	CCB			7	739975		
1	740261	PBW		8	739977		
2	739083	PBS		9	737420		
3	739153	PBW		10	737422		
4	739969	LCSW			CCV		
5	737419	LCSS			CCB		
6	737409	1:5 LCSS		1	737435		
7	737433	LCSW		2	739966	1:5 SDI	
8	737432	LCSW		3	737409	1:5 SDI	
9	739966			4	737422	1:5 SDI	
10	739968	Dup		5	123123		
	CCV			6	737409	PDS @ 2x CRDL	
	CCB			7	CRI		
				8	ICSA		
				9	ICSAB		
				10		7-19-95	
					CCV		
					CCB		

COMMENTS:

Reviewed by: [signature]

Date: 7-19-95

INORGANIC SDG 10593M

Standardization Rpt. Wed 07-19-95 09:31:58 AM page 1

Method: MRG Standard: BLANK

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Avge	.00967	.00005	-.00124	.00039	.00167	-.00005	.00933
SDev	.00097	.00008	.00036	.00019	.00008	.00017	.00095
%RSD	10.059	173.21	-29.038	48.631	4.9487	-346.41	10.191
#1	.01000	.00000	-.00157	.00057	.00171	-.00014	.01014
#2	.01043	.00014	-.00086	.00019	.00157	.00014	.00957
#3	.00857	.00000	-.00129	.00041	.00171	-.00014	.00829

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.00024	.00014	.00062	.00057	.00005	.00200	.00476
SDev	.00072	.00025	.00030	.00025	.00091	.00029	.00133
%RSD	301.99	173.21	48.038	43.301	1905.3	14.286	27.875
#1	.00100	.00043	.00086	.00043	-.00100	.00229	.00386
#2	-.00043	.00000	.00071	.00086	.00057	.00171	.00629
#3	.00014	.00000	.00029	.00043	.00057	.00200	.00414

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Avge	-.00030	-.00557	.00000	.00090	.06462	.00024	.00010
SDev	.00085	.00103	.00052	.00017	.00246	.00008	.00022
%RSD	-282.78	-18.490	.00000	18.232	3.8121	34.641	229.13
#1	.00067	-.00671	.00014	.00100	.06729	.00029	.00029
#2	-.00063	-.00471	.00043	.00100	.06243	.00029	.00014
#3	-.00094	-.00529	-.00057	.00071	.06414	.00014	-.00014

INORGANIC SDG 10593M

Standardization Rpt. Wed 07-19-95 09:35:59 AM page 1

Method: MRG Standard: XCL11

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Avge	1.7955	.00052	.00162	.00030	.00167	.85195	.00710
SDev	.0046	.00044	.00083	.00008	.00008	.00346	.00092
%RSD	.25835	83.320	50.943	27.310	4.9487	.40568	12.944
#1	1.7933	.00100	.00114	.00035	.00171	.85586	.00671
#2	1.7924	.00043	.00257	.00021	.00157	.84929	.00814
#3	1.8009	.00014	.00114	.00035	.00171	.85071	.00643

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	3.1761	.00200	2.2269	.00129	.40886	.00119	.00224
SDev	.0188	.00025	.0035	.00038	.00423	.00022	.00097
%RSD	.59311	12.372	.15926	29.397	1.0341	18.330	43.448
#1	3.1973	.00229	2.2249	.00143	.41171	.00114	.00257
#2	3.1611	.00186	2.2249	.00086	.40400	.00100	.00300
#3	3.1700	.00186	2.2310	.00157	.41086	.00143	.00114

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Avge	1.7780	-.00852	.09148	.20914	.06719	.00100	1.2213
SDev	.0080	.00331	.00079	.00038	.00079	.00000	.0043
%RSD	.45117	-38.814	.86011	.18072	1.1710	.00000	.35228
#1	1.7868	-.00486	.09057	.20929	.06714	.00100	1.2260
#2	1.7762	-.01129	.09200	.20871	.06800	.00100	1.2176
#3	1.7710	-.00943	.09186	.20943	.06643	.00100	1.2203

INORGANIC SDG 10593M

Standardization Rpt. Wed 07-19-95 09:40:01 AM page 1

Method: MRG Standard: PLSB2

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Avge	.01043	.09952	.00024	.00008	.00162	.00014	.00952
SDev	.00136	.00017	.00107	.00012	.00008	.00052	.00226
%RSD	13.068	.16575	450.33	157.00	5.0943	360.56	23.733
#1	.01200	.09943	-.00086	.00014	.00171	.00057	.01200
#2	.00957	.09971	.00129	-.00006	.00157	.00029	.00900
#3	.00971	.09943	.00029	.00016	.00157	-.00043	.00757

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.00019	.00024	.00076	-.00005	-.00033	.00029	.00133
SDev	.00073	.00030	.00030	.00008	.00259	.00141	.00064
%RSD	384.87	124.90	39.031	-173.21	-777.75	492.44	48.313
#1	.00100	.00057	.00100	.00000	.00071	.00186	.00200
#2	.00000	.00014	.00086	-.00014	-.00329	-.00086	.00129
#3	-.00043	.00000	.00043	.00000	.00157	-.00014	.00071

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Avge	-.00029	-.01419	.00000	.00076	.06100	-.00019	.00024
SDev	.00080	.00223	.00014	.00036	.00157	.00017	.00017
%RSD	-274.05	-15.736	.00000	47.186	2.5761	-86.603	69.282
#1	-.00086	-.01214	-.00014	.00114	.06257	.00000	.00043
#2	.00062	-.01386	.00014	.00071	.06100	-.00029	.00014
#3	-.00064	-.01657	.00000	.00043	.05943	-.00029	.00014

INORGANIC SDG 10593M

Standardization Rpt. Wed 07-19-95 09:44:03 AM page 1

Method: MRG Standard: XCL2

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Avge	.07000	.00143	.27671	8.8492	13.368	.01062	.03105
SDev	.00066	.00099	.00380	.0189	.046	.00017	.00120
%RSD	.93522	69.282	1.3747	.21319	.34584	1.5534	3.8588
#1	.07014	.00029	.28029	8.8410	13.408	.01043	.03243
#2	.07057	.00200	.27714	8.8358	13.318	.01071	.03029
#3	.06929	.00200	.27271	8.8707	13.378	.01071	.03043

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	-.00476	.68267	.00157	2.0100	-.00014	-.01524	13.039
SDev	.00064	.00132	.00014	.0057	.00100	.00064	.043
%RSD	-13.528	.19331	9.0909	.28314	-700.00	-4.2274	.32700
#1	-.00414	.68343	.00157	2.0133	.00029	-.01457	13.060
#2	-.00543	.68114	.00171	2.0034	.00057	-.01529	12.990
#3	-.00471	.68343	.00143	2.0133	-.00129	-.01586	13.068

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Avge	-.00006	-.00852	-.00205	-.00019	.06110	1.9091	-.00129
SDev	.00061	.00194	.00111	.00022	.00159	.0057	.00014
%RSD	-1032.4	-22.816	-54.192	-114.56	2.6073	.29847	-11.111
#1	-.00047	-.00700	-.00171	-.00014	.06171	1.9127	-.00114
#2	.00064	-.00786	-.00114	.00000	.05929	1.9026	-.00129
#3	-.00034	-.01071	-.00329	-.00043	.06229	1.9121	-.00143

INORGANIC SDG 10593M

Standardization Rpt. Wed 07-19-95 09:48:06 AM page 1

Method: MRG Standard: XCL3A

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Avge	.00881	-.00010	-.00319	.00559	.00405	-.00024	25.309
SDev	.00095	.00017	.00200	.00044	.00072	.00017	.202
%RSD	10.797	-173.21	-62.740	7.8106	17.764	-69.282	.79900
#1	.00986	.00000	-.00114	.00606	.00471	-.00014	25.512
#2	.00800	.00000	-.00514	.00549	.00414	-.00014	25.107
#3	.00857	-.00029	-.00329	.00521	.00329	-.00043	25.308

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	-.00052	.00057	.00010	.00038	.00057	11.077	.00743
SDev	.00041	.00099	.00008	.00022	.00149	.024	.00052
%RSD	-78.730	173.21	86.603	57.282	261.01	.21865	6.9338
#1	-.00029	.00171	.00014	.00043	-.00114	11.074	.00800
#2	-.00100	.00000	.00014	.00014	.00157	11.103	.00729
#3	-.00029	.00000	.00000	.00057	.00129	11.055	.00700

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Avge	.00033	1.6384	-.00048	.00038	35.667	.00019	.00029
SDev	.00053	.0218	.00064	.00022	.470	.00058	.00014
%RSD	162.43	1.3331	-135.28	57.282	1.3170	303.11	50.000
#1	.00066	1.6247	-.00043	.00057	35.275	.00086	.00014
#2	.00061	1.6636	.00014	.00014	36.188	-.00014	.00029
#3	-.00029	1.6269	-.00114	.00043	35.539	-.00014	.00043

INORGANIC SDG 10593M

Analysis Report QC Standard Wed 07-19-95 09:52:09 AM page 1

Method: MRG Sample Name: ICV1 Operator:
Run Time: 07/19/95 09:48:14
Comment: ICV ICV1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2007.5	-9.5518	10.752	1941.1	477.14	500.03	51113.
SDev	8.5	.0299	59.027	2.0	1.03	4.21	242.
%RSD	.42344	-.31343	548.98	.10206	.21601	.84163	.47344
#1	1999.7	-9.5800	-56.815	1939.0	478.31	502.86	51391.
#2	2006.2	-9.5204	36.777	1943.0	476.71	502.04	50948.
#3	2016.6	-9.5551	52.294	1941.3	476.39	495.20	51000.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	470.67	525.88	482.76	1949.4	4944.8	25166.	482.58
SDev	1.37	6.40	.74	1.4	103.3	16.	1.56
%RSD	.29197	1.2161	.15348	.07294	2.0881	.06531	.32224
#1	470.97	527.28	483.62	1950.8	5019.5	25177.	484.26
#2	469.17	518.90	482.33	1948.0	4826.9	25175.	481.19
#3	471.87	531.46	482.33	1949.4	4987.9	25147.	482.29

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	474.48	51803.	-15.617	477.48	51096.	486.80	2972.5
SDev	8.31	590.	81.148	1.43	579.	1.30	10.6
%RSD	1.7509	1.1383	-519.62	.29909	1.1324	.26620	.35821
#1	464.89	51122.	78.084	478.62	50470.	488.30	2982.7
#2	479.38	52157.	-62.467	475.87	51206.	486.06	2961.5
#3	479.18	52130.	-62.467	477.93	51611.	486.05	2973.2

INORGANIC SDG 10593M

Analysis Report QC Standard Wed 07-19-95 09:56:08 AM page 1

Method: MRG Sample Name: ICV3 Operator:
Run Time: 07/19/95 09:52:14
Comment: ICV ICV3
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.8861	995.73	12.181	-.09630	.07125	2.1260	10.917
SDev	7.6446	36.16	12.050	.12213	.06171	3.4467	6.593
%RSD	-264.88	3.6318	98.925	-126.82	86.603	162.12	60.394
#1	1.0990	957.40	-1.7330	.04107	.14250	5.6031	16.752
#2	1.9426	1029.2	19.096	-.19260	.03563	2.0644	12.234
#3	-11.700	1000.5	19.179	-.13737	.03563	-1.2895	3.7644

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.9492	-1.3968	-1.7112	-2.1328	-.00388	-11.179	-3.3238
SDev	2.3083	3.1972	.3705	.0000	22.7596	6.492	.2900
%RSD	-118.42	-228.90	-21.651	.00000	-586670.	-58.076	-8.7242
#1	.59971	2.0914	-1.4973	-2.1328	-1.1756	-5.1595	-3.4337
#2	-2.5490	-4.1879	-2.1389	-2.1328	23.319	-18.058	-2.9950
#3	-3.8984	-2.0937	-1.4973	-2.1328	-22.155	-10.319	-3.5428

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.7291	-289.66	41.645	-.45735	1.3375	-1.9945	-.40283
SDev	1.6766	338.94	86.011	1.42808	9.9454	1.2954	.67776
%RSD	44.960	-117.01	206.53	-312.25	743.58	-64.952	-168.25
#1	4.5644	-139.04	.00000	1.1434	12.706	-1.2479	.37975
#2	4.8240	-677.81	140.55	-1.6007	-5.7513	-3.4903	-.79993
#3	1.7989	-52.139	-15.617	-.91470	-2.9425	-1.2452	-.78832

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Analysis Report QC Standard Wed 07-19-95 10:00:07 AM page 1

Method: MRG Sample Name: SPEXASSE Operator:
Run Time: 07/19/95 09:56:13
Comment: ICV SPEXASSE
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.0224	-4.7630	4974.0	-.28748	-.10688	-30.009	4.3291
SDev	11.216	28.7195	37.5	.08087	.06171	2.874	10.579
%RSD	278.83	-602.97	.75483	-28.131	-57.735	-9.5781	244.37
#1	3.4843	-4.7531	4954.9	-.37103	-.17813	-27.601	7.7171
#2	15.498	23.952	5017.2	-.28182	-.07125	-33.191	12.799
#3	-6.9146	-33.487	4949.8	-.20959	-.07125	-29.234	-7.5289

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.4994	-3.4892	-1.2834	-.94791	5122.5	-27.087	-3.5789
SDev	1.0388	3.1966	.3705	.82092	88.0	8.458	.2283
%RSD	-69.283	-91.614	-28.868	-86.603	1.7187	-31.226	-6.3780
#1	-2.0991	-6.2803	-.85558	-1.4219	5178.5	-19.348	-3.6523
#2	-.29986	-.00188	-1.4973	.00000	5168.0	-36.117	-3.3229
#3	-2.0991	-4.1854	-1.4973	-1.4219	5021.0	-25.798	-3.7614

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.9623	-428.70	5091.1	-.45735	-4.5476	-.74732	-.39631
SDev	3.6441	254.29	133.4	1.58431	4.8815	.43222	.67059
%RSD	185.70	-59.317	2.6209	-346.41	-107.34	-57.835	-169.21
#1	2.8599	-147.73	5075.5	.45735	-6.9551	-.49767	-.79330
#2	5.0737	-643.05	4966.2	.45735	1.0700	-1.2464	.37793
#3	-2.0467	-495.32	5231.7	-2.2868	-7.7576	-.49790	-.77357

Analysis Report QC Standard Wed 07-19-95 10:04:06 AM page 1

Method: MRG Sample Name: S0 Operator:
Run Time: 07/19/95 10:00:11
Comment: ICB
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.9518	9.5650	93.673	.05381	-.03563	1.9435	-5.2702
SDev	9.2326	24.861	52.186	.06677	.06171	1.5252	8.5262
%RSD	-233.63	259.92	55.711	124.08	-173.20	78.473	-161.78
#1	6.6697	38.272	39.808	.02407	.03563	.19954	2.6351
#2	-8.4705	-4.8028	144.00	.13029	-.07125	2.6035	-4.1409
#3	-10.055	-4.7742	97.211	.00708	-.07125	3.0276	-14.305

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.74970	-.00009	-1.0695	-1.6588	-43.167	-17.628	-3.6887
SDev	1.8179	4.18682	1.4819	1.0860	24.252	13.792	.2282
%RSD	242.48	-4826e3	-138.56	-65.465	-56.183	-78.239	-6.1868
#1	2.3990	-4.1871	-.21389	-2.8437	-57.179	-9.0292	-3.8721
#2	1.0496	.00037	-.21389	-1.4219	-15.162	-10.319	-3.4332
#3	-1.1995	4.1865	-2.7806	-.71093	-57.159	-33.537	-3.7609

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.23254	-570.63	26.028	-2.0581	-6.0188	-1.9962	-.78516
SDev	2.1089	470.08	132.82	2.0958	9.3013	1.9783	1.17342
%RSD	906.89	-82.379	510.29	-101.84	-154.54	-99.107	-149.45
#1	2.6677	-269.39	156.17	-.22868	4.6813	.24719	.38416
#2	-.99361	-330.21	31.234	-1.6007	-10.566	-2.7446	-1.9626
#3	-.97644	-1112.3	-109.32	-4.3448	-12.171	-3.4911	-.77701

INORGANIC SDG 10593M

Analysis Report QC Standard Wed 07-19-95 10:08:05 AM page 1

Method: MRG Sample Name: ICSA Operator:
Run Time: 07/19/95 10:04:10
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	524820.	-5.1026	-223.03	2.0931	.10688	-8.0365	522280.
SDev	1665.	.0608	150.70	.1317	.12341	2.0226	739.
%RSD	.31721	-1.1918	-67.567	6.2923	115.47	-25.168	.14150
#1	526740.	-5.1501	-104.20	1.9444	.03563	-10.242	521440.
#2	523760.	-5.1237	-172.37	2.1398	.24938	-6.2677	522860.
#3	523970.	-5.0341	-392.53	2.1951	.03563	-7.6001	522520.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	23.540	8.3748	4.4918	182710.	98.618	536170.	-23.733
SDev	1.190	6.2728	.7410	280.	58.116	593.	.427
%RSD	5.0555	74.901	16.496	.15347	58.930	.11063	-1.7989
#1	24.440	2.1009	3.6362	183030.	39.710	536770.	-23.909
#2	23.990	8.3770	4.9196	182570.	100.23	535590.	-23.246
#3	22.191	14.646	4.9196	182530.	155.91	536140.	-24.044

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.7377	-402.63	-416.45	-14.407	152.08	26.822	8.2901
SDev	18.0103	246.45	216.58	.396	4.47	.816	.6647
%RSD	-267.31	-61.210	-52.007	-2.7493	2.9421	3.0428	8.0175
#1	-20.952	-686.50	-359.19	-14.635	148.73	26.451	8.7360
#2	-12.777	-243.32	-234.25	-13.949	150.34	27.758	7.5262
#3	13.516	-278.08	-655.91	-14.635	157.16	26.257	8.6081

INORGANIC SDG 10593M

Analysis Report QC Standard Wed 07-19-95 10:12:04 AM page 1

Method: MRG Sample Name: ICSAB Operator:
Run Time: 07/19/95 10:08:09
Comment: ICSAB ICSAB
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	522770.	58.350	-375.91	466.00	481.95	976.84	517810.
SDev	2869.	59.758	96.26	2.66	1.31	8.20	1149.
%RSD	.54888	102.41	-25.606	.57132	.27251	.83937	.22182
#1	524370.	106.24	-347.99	467.08	482.91	968.20	518570.
#2	519460.	77.424	-483.04	462.97	480.45	984.52	518380.
#3	524490.	-8.6156	-296.70	467.96	482.48	977.79	516490.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	479.52	464.34	526.61	180850.	4637.7	533770.	441.08
SDev	5.30	3.63	4.21	312.	69.4	1126.	1.22
%RSD	1.1060	.78075	.79904	.17238	1.4960	.21086	.27644
#1	478.17	462.25	525.97	181190.	4716.9	534320.	442.41
#2	485.36	468.53	522.76	180580.	4587.9	532480.	440.81
#3	475.02	462.25	531.10	180790.	4608.2	534510.	440.02

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	867.05	-286.77	-244.66	956.78	159.57	494.09	962.49
SDev	2.15	333.29	70.42	2.47	1.61	1.00	4.75
%RSD	.24754	-116.22	-28.782	.25852	1.0059	.20185	.49361
#1	869.22	-643.05	-171.79	956.09	159.57	494.72	963.27
#2	867.00	-234.63	-312.34	954.72	161.17	492.94	957.39
#3	864.93	17.380	-249.87	959.52	157.96	494.62	966.80

INORGANIC SDG 10593M

Analysis Report QC Standard Wed 07-19-95 10:16:03 AM page 1

Method: MRG Sample Name: CRI Operator:
Run Time: 07/19/95 10:12:08
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	339.21	114.85	Q336.92	-.10763	13.253	9.7944	306.24
SDev	20.40	8.30	63.73	.25755	.163	3.0436	51.44
%RSD	6.0132	7.2291	18.914	-239.30	1.2319	31.075	16.796
#1	362.39	110.05	Q409.53	.04107	13.395	11.930	364.58
#2	331.23	110.06	311.00	.04107	13.288	11.144	286.66
#3	324.01	124.44	290.25	-.40502	13.075	6.3093	267.46

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	23.687	128.34	64.168	109.96	207.38	283.77	34.961
SDev	1.446	1.21	1.615	9.39	59.61	45.15	.604
%RSD	6.1044	.94216	2.5166	8.5368	28.746	15.909	1.7265
#1	25.336	127.64	65.880	120.15	243.51	335.37	35.582
#2	23.087	129.73	63.954	108.06	240.05	264.43	34.925
#3	22.637	127.64	62.671	101.66	138.57	251.53	34.376

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	103.44	-350.49	504.95	Q8.9184	-1.0700	128.21	51.020
SDev	2.25	112.07	73.80	.7922	4.0986	.75	.669
%RSD	2.1799	-31.976	14.616	8.8823	-383.03	.58449	1.3108
#1	105.75	-225.94	530.97	Q9.3757	-5.7513	128.96	51.792
#2	101.25	-382.35	421.66	Q9.3757	1.8725	127.46	50.635
#3	103.32	-443.18	562.21	Q8.0037	.66874	128.21	50.633

INORGANIC SDG 10593M

Analysis Report QC Standard Wed 07-19-95 10:20:03 AM page 1

Method: MRG Sample Name: CCV Operator:
Run Time: 07/19/95 10:16:08
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4998.8	5067.8	4858.0	4798.3	4876.8	4957.8	50722.
SDev	26.7	59.7	73.9	36.8	13.6	8.1	276.
%RSD	.53511	1.1787	1.5217	.76639	.27791	.16283	.54368
#1	4969.8	5000.9	4808.0	4787.1	4881.9	4956.0	50710.
#2	5022.5	5115.7	4823.1	4839.4	4887.1	4950.8	50453.
#3	5004.2	5086.8	4943.0	4768.4	4861.5	4966.6	51004.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4861.7	4799.0	4836.2	4794.3	4905.8	49837.	4849.5
SDev	10.9	10.7	37.5	5.0	117.3	136.	3.7
%RSD	.22461	.22375	.77470	.10415	2.3910	.27340	.07560
#1	4855.0	4808.1	4825.2	4789.6	4909.3	49769.	4848.5
#2	4855.9	4787.2	4877.9	4793.8	4786.8	49994.	4846.4
#3	4874.3	4801.8	4805.4	4799.5	5021.3	49749.	4853.5

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4794.2	49541.	4976.6	479.99	49593.	4875.2	4931.8
SDev	10.5	1026.	172.0	.69	698.	2.6	3.0
%RSD	.21890	2.0711	3.4566	.14293	1.4070	.05392	.05990
#1	4795.7	48368.	5059.9	479.99	48967.	4872.7	4934.9
#2	4783.0	49984.	5091.1	479.30	50345.	4878.0	4931.3
#3	4803.8	50271.	4778.8	480.68	49467.	4875.0	4929.1

Analysis Report QC Standard Wed 07-19-95 10:24:03 AM page 1

Method: MRG Sample Name: CCB Operator:
Run Time: 07/19/95 10:20:08
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	21.045	4.7672	36.203	1.4700	1.5319	1.8992	40.279
SDev	6.384	8.3299	10.817	.2486	.1069	1.7061	7.687
%RSD	30.336	174.73	29.880	16.915	6.9767	89.832	19.085
#1	14.665	9.5776	39.740	1.4048	1.4250	3.5476	34.256
#2	21.035	9.5754	24.060	1.2604	1.5319	2.0094	37.644
#3	27.433	-4.8514	44.809	1.7447	1.6388	.14069	48.938

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.2486	2.0918	1.2834	6.6354	3.4663	33.967	-2.0456
SDev	2.1257	.0021	.3705	3.2058	22.775	8.192	.3167
%RSD	94.534	.09820	28.868	48.313	657.04	24.117	-15.480
#1	1.4990	2.0898	1.0695	3.5547	2.3077	38.696	-2.2289
#2	.59932	2.0917	1.0695	6.3984	26.799	24.508	-2.2280
#3	4.6476	2.0939	1.7112	9.9531	-18.707	38.696	-1.6799

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.4510	-228.83	-10.411	1.1434	12.038	1.2477	1.5556
SDev	5.5292	127.22	47.710	.6860	12.239	.8643	1.1690
%RSD	160.22	-55.595	-458.26	60.000	101.67	69.274	75.148
#1	8.9193	-112.97	31.234	.45735	24.343	.24965	1.5354
#2	3.5708	-364.97	-62.467	1.8294	-.13377	1.7475	2.7345
#3	-2.1372	-208.56	.00000	1.1434	11.904	1.7459	.39681

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:28:02 AM page 1

Method: MRG Sample Name: 740261 #15 Operator:
Run Time: 07/19/95 10:24:07
Comment: SDG:10593M ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	92.301	4.8099	6.1720	1.3397	.39188	.50322	31.809
SDev	3.492	16.590	54.624	.1667	.06171	1.1768	4.006
%RSD	3.7833	344.92	885.02	12.446	15.746	233.85	12.594
#1	93.936	23.967	59.929	1.1542	.35626	1.6901	35.386
#2	88.291	-4.7543	-49.279	1.3878	.35626	-.66315	27.480
#3	94.676	-4.7827	7.8658	1.4771	.46314	.48269	32.562

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.0497	-2.0945	-2.1389	2.6068	-19.980	-4.2996	-3.2155
SDev	.9364	5.5403	1.2834	3.3597	10.698	13.7923	.1099
%RSD	-89.204	-264.52	-60.000	128.89	-53.545	-320.78	-3.4189
#1	-2.0992	-.00077	-3.4223	.00000	-29.318	-19.348	-3.3251
#2	-.29998	-8.3765	-.85558	1.4219	-8.3071	7.7393	-3.2160
#3	-.74982	2.0938	-2.1389	6.3984	-22.315	-1.2899	-3.1053

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.7861	-428.70	-10.411	-.68603	380.79	-1.7422	-.00860
SDev	6.8792	226.66	18.033	1.72647	14.10	1.5576	.70681
%RSD	181.69	-52.871	-173.21	-251.66	3.7021	-89.403	-8221.3
#1	2.0718	-686.50	.00000	1.1434	365.41	-3.4879	.39224
#2	11.360	-338.90	-31.234	-.91470	393.10	-1.2444	-.82470
#3	-2.0738	-260.70	.00000	-2.2868	383.87	-.49443	.40667

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:32:01 AM page 1

Method: MRG Sample Name: 739083 #16 Operator:
Run Time: 07/19/95 10:28:07
Comment: SDG:309833 ClientID:PBS 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	105.05	-.01150	45.904	1.2547	.10688	-.97283	26.351
SDev	10.46	8.28772	31.695	.1499	.06171	1.05947	12.229
%RSD	9.9568	-72036.	69.045	11.944	57.735	-108.91	46.407
#1	97.847	-4.7957	18.225	1.3496	.14250	-1.2779	19.575
#2	100.25	9.5583	39.008	1.0820	.03563	.20571	19.010
#3	117.04	-4.7971	80.479	1.3326	.14250	-1.8463	40.468

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.4994	1.3943	.21389	.23698	-11.829	9.4591	-3.3628
SDev	.4498	3.1964	1.8524	.82092	6.056	8.1918	.6033
%RSD	30.001	229.25	866.03	346.41	-51.194	86.603	-17.939
#1	1.9492	4.1838	-.85558	-.71093	-8.3192	14.189	-3.7648
#2	1.4994	-2.0936	-.85558	.71093	-18.822	.00000	-3.6545
#3	1.0495	2.0926	2.3528	.71093	-8.3466	14.189	-2.6691

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.9584	81.105	-10.411	.45735	425.73	.99904	-.79530
SDev	2.8908	274.98	65.018	2.4735	2.35	.00071	.00893
%RSD	97.715	339.04	-624.50	540.83	.55225	.07094	-1.1229
#1	6.2959	17.380	62.467	-.22868	424.79	.99832	-.80362
#2	1.3338	-156.42	-62.467	-1.6007	428.41	.99905	-.78587
#3	1.2453	382.35	-31.234	3.2015	423.99	.99974	-.79642

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:36:01 AM page 1

Method: MRG Sample Name: 739153 #17 Operator:
Run Time: 07/19/95 10:32:06
Comment: SDG:309837 ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	96.014	-9.5438	32.136	.81288	-.03563	.82935	24.657
SDev	4.572	16.5849	38.349	.11259	.12341	.63230	2.461
%RSD	4.7613	-173.78	119.33	13.851	-346.41	76.241	9.9822
#1	94.676	-19.099	75.487	.90351	-.17813	1.5541	25.786
#2	101.11	9.6067	2.6368	.68684	.03563	.54357	26.351
#3	92.261	-19.139	18.286	.84828	.03563	.39038	21.834

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.4994	-4.1878	.00000	-1.6588	-12.984	8.1692	-3.1438
SDev	1.3742	5.5358	1.4819	1.0860	39.017	18.796	.1258
%RSD	-91.650	-132.19	.00000	-65.465	-300.49	230.08	-4.0006
#1	-2.9987	-8.3739	-.85558	-1.4219	2.1836	-5.1595	-3.2163
#2	-.29989	2.0888	-.85558	-.71093	16.171	.00000	-3.2165
#3	-1.1995	-6.2783	1.7112	-2.8437	-57.307	29.667	-2.9986

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.3730	-37.656	15.617	.91470	403.93	-.74539	2.3393
SDev	7.0044	564.930	117.90	1.0479	5.25	1.14295	.7009
%RSD	160.17	-1500.2	754.98	114.56	1.2990	-153.34	29.961
#1	4.2995	-26.070	-109.32	1.1434	400.32	-.49496	2.7355
#2	11.414	-608.29	31.234	-.22868	409.95	-1.9928	1.5301
#3	-2.5943	521.39	124.93	1.8294	401.52	.25158	2.7524

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:40:00 AM page 1

Method: MRG Sample Name: PLCSW739969 #18 Operator:
Run Time: 07/19/95 10:36:06
Comment: SDG:10593M ClientID:LCSW 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19617.	6033.8	1020.7	19011.	524.56	479.83	49346.
SDev	64.	59.8	65.6	154.	1.07	5.25	226.
%RSD	.32628	.99189	6.4285	.81146	.20409	1.0938	.45771
#1	19674.	6053.0	995.94	19147.	524.48	477.25	49149.
#2	19629.	6081.7	1095.1	19042.	525.66	476.37	49296.
#3	19548.	5966.7	971.01	18844.	523.52	485.87	49593.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	949.86	4682.2	2387.7	9421.5	265.25	49488.	1446.0
SDev	4.18	7.3	17.1	4.3	43.95	131.	2.2
%RSD	.44003	.15696	.71575	.04610	16.570	.26388	.15007
#1	946.41	4674.5	2402.3	9420.6	L223.15	49596.	1443.6
#2	948.66	4682.9	2392.0	9426.3	261.74	49526.	1446.4
#3	954.51	4689.2	2368.9	9417.7	310.85	49343.	1447.9

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3736.3	48524.	L374.80	932.31	49314.	4765.2	1921.8
SDev	11.7	678.	102.41	3.24	816.	4.1	4.3
%RSD	.31269	1.3977	27.323	.34774	1.6543	.08651	.22273
#1	3726.4	49306.	L265.49	928.65	50235.	4762.4	1925.3
#2	3749.2	48098.	L390.42	934.83	49026.	4769.9	1917.0
#3	3733.4	48168.	468.51	933.46	48682.	4763.2	1923.1

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:44:04 AM page 1

Method: MRG Sample Name: PLCSS737419 #19 Operator:
Run Time: 07/19/95 10:40:10
Comment: SDG:309833 ClientID:LCSS 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1583.6	1095.9	4758.1	26.016	91.238	181.03	881490.
SDev	14.5	51.8	93.5	.427	.482	9.11	899.
%RSD	.91300	4.7249	1.9654	1.6418	.52822	5.0329	.10204
#1	1598.8	1110.3	4686.6	26.501	91.737	187.27	881510.
#2	1582.0	1038.5	4863.9	25.855	91.202	L170.58	882380.
#3	1570.1	1139.0	4723.9	25.693	90.775	185.25	880580.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	454.89	652.94	32689.	98337.	1123.0	553090.	936.72
SDev	.78	14.50	407.	410.	75.4	2902.	3.45
%RSD	.17130	2.2207	1.2446	.41682	6.7146	.52476	.36781
#1	454.44	661.31	33150.	98779.	1149.8	556350.	939.55
#2	454.44	636.20	32533.	98260.	1181.3	552130.	937.72
#3	455.79	661.31	32383.	97970.	1037.9	550790.	932.88

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	262.89	L-46.346	L62.467	91.013	714.90	324.17	840.87
SDev	4.25	766.598	68.072	.686	4.19	1.28	2.63
%RSD	1.6147	-1654.1	108.97	.75376	.58599	.39587	.31242
#1	266.82	L-564.84	L31.234	91.013	717.71	323.54	842.82
#2	258.39	L-408.42	140.55	91.699	716.91	325.65	837.88
#3	263.46	834.23	L15.617	90.327	710.09	323.32	841.90

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:48:08 AM page 1

Method: MRG Sample Name: PLCSS737419 #20 Operator:
Run Time: 07/19/95 10:44:14
Comment: SDG:309833 ClientID:LCSS 1:5
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	429.57	233.43	1031.8	6.5469	20.164	43.071	192430.
SDev	.79	36.17	145.6	.4861	.062	7.326	613.
%RSD	.18305	15.495	14.114	7.4252	.30602	17.008	.31869
#1	428.79	238.24	1177.4	6.0867	20.129	35.055	192350.
#2	430.36	195.09	1031.8	6.4988	20.129	44.742	193090.
#3	429.56	266.95	886.14	7.0553	20.235	49.418	191870.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	102.10	146.49	6739.8	22209.	240.10	116950.	206.68
SDev	1.70	9.59	78.1	53.	87.42	774.	.43
%RSD	1.6679	6.5490	1.1594	.23900	36.411	.66189	.20738
#1	100.90	136.02	6810.6	22264.	142.11	117740.	207.14
#2	104.05	154.87	6656.0	22158.	310.10	116190.	206.29
#3	101.35	148.58	6752.9	22205.	268.10	116930.	206.61

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	62.360	-208.56	-114.52	19.437	537.01	70.580	187.09
SDev	5.852	356.92	36.07	2.597	9.72	.851	2.88
%RSD	9.3841	-171.14	-31.492	13.362	1.8093	1.2055	1.5395
#1	67.923	-616.98	-156.17	18.294	541.16	69.597	188.01
#2	56.256	43.449	-93.701	22.410	543.97	71.064	183.87
#3	62.900	-52.139	-93.701	17.608	525.91	71.078	189.40

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:52:07 AM page 1

Method: MRG Sample Name: PLCSW737433 #21 Operator:
Run Time: 07/19/95 10:48:13
Comment: SDG:309837 ClientID:LCSW 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19687.	6077.0	993.80	18972.	514.47	484.66	49664.
SDev	158.	8.2	29.99	194.	1.37	5.14	157.
%RSD	.80463	.13558	3.0179	1.0213	.26711	1.0607	.31579
#1	19584.	6081.8	991.16	18866.	513.90	480.78	49817.
#2	19608.	6067.5	965.21	18855.	513.48	482.72	49672.
#3	19870.	6081.7	1025.0	19196.	516.04	490.49	49504.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	955.26	4726.1	2370.2	9446.7	329.35	49792.	1455.4
SDev	2.22	27.3	25.0	21.4	44.54	278.	1.8
%RSD	.23227	.57780	1.0552	.22682	13.523	.55834	.12103
#1	952.71	4735.2	2355.4	9449.0	303.84	49589.	1457.1
#2	956.31	4747.8	2356.0	9424.1	H380.77	49678.	1453.6
#3	956.76	4695.4	2399.0	9466.8	303.42	50109.	1455.6

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3812.3	49335.	504.95	932.08	49532.	4785.4	1943.2
SDev	27.4	1079.	117.21	1.82	1180.	13.6	5.9
%RSD	.71981	2.1870	23.213	.19473	2.3825	.28519	.30169
#1	3809.0	48933.	437.27	930.71	48971.	4787.9	1950.0
#2	3841.2	48515.	437.27	931.40	48737.	4770.6	1940.4
#3	3786.6	50558.	H640.29	934.14	50888.	4797.6	1939.3

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 10:56:06 AM page 1

Method: MRG Sample Name: PLCSW737432 #22 Operator:
Run Time: 07/19/95 10:52:12
Comment: SDG:309837 ClientID:LCSW 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19824.	6057.8	982.13	19102.	515.26	489.21	49571.
SDev	9.	21.9	20.94	37.	.91	1.75	81.
%RSD	.04732	.36225	2.1323	.19440	.17641	.35788	.16332
#1	19834.	6038.7	978.41	19142.	515.29	487.58	49642.
#2	19817.	6053.0	1004.7	19096.	516.15	489.00	49588.
#3	19820.	6081.8	963.29	19068.	514.33	491.06	49483.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	955.56	4718.5	2388.1	9458.5	315.15	49951.	1456.8
SDev	2.22	14.6	5.1	16.1	52.67	144.	1.7
%RSD	.23220	.31045	.21496	.16980	16.711	.28897	.11675
#1	958.11	4733.1	2393.3	9475.3	310.49	50101.	1458.6
#2	954.51	4718.5	2388.1	9456.8	H370.00	49936.	1456.2
#3	954.06	4703.8	2383.0	9443.3	264.97	49814.	1455.4

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3791.0	51067.	437.27	957.24	51019.	4793.6	1939.7
SDev	10.2	790.	165.27	.79	582.	12.7	5.3
%RSD	.26924	1.5467	37.796	.08276	1.1409	.26417	.27453
#1	3802.4	51913.	562.21	958.15	51643.	4804.3	1939.3
#2	3782.9	50349.	L249.87	956.78	50491.	4796.9	1945.2
#3	3787.5	50940.	499.74	956.78	50922.	4779.6	1934.6

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 11:00:05 AM page 1

Method: MRG Sample Name: 739966 #23 Operator:
Run Time: 07/19/95 10:56:11
Comment: SDG:10593M ClientID:S-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	123.03	-4.7930	70.419	501.66	.10688	-.07820	47254.
SDev	17.38	28.7129	39.745	5.52	.06171	1.58925	225.
%RSD	14.129	-599.06	56.441	1.1002	57.735	-2032.4	.47708
#1	103.29	-33.523	61.873	506.58	.03563	1.6706	47124.
#2	136.06	23.903	35.642	495.69	.14250	-1.4342	47514.
#3	129.73	-4.7585	113.74	502.70	.14250	-.47108	47123.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.0495	10.464	.42779	19432.	-14.053	17248.	2953.4
SDev	2.9496	10.876	1.1114	71.	27.300	117.	5.7
%RSD	281.04	103.93	259.81	.36441	-194.27	.67752	.19282
#1	.59974	16.746	-.21389	19514.	-45.511	17372.	2959.7
#2	4.1982	16.741	1.7112	19390.	3.4266	17140.	2951.9
#3	-1.6494	-2.0942	-.21389	19392.	-.07318	17233.	2948.6

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.8863	10654.	-26.028	-2.7441	39769.	4.3257	5.0985
SDev	5.4441	410.	32.509	3.7783	949.	1.5504	1.1993
%RSD	188.62	3.8466	-124.90	-137.69	2.3858	35.841	23.522
#1	-2.5950	11001.	-15.617	-7.0890	40811.	3.8481	6.2976
#2	8.2924	10758.	.00000	-.91470	38956.	6.0587	3.8991
#3	2.9617	10202.	-62.467	-.22868	39540.	3.0703	5.0987

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 11:04:04 AM page 1

Method: MRG Sample Name: 739968 #24 Operator:
Run Time: 07/19/95 11:00:10
Comment: SDG:10593M ClientID:S-1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	101.87	14.366	41.546	484.00	.00000	.74003	46252.
SDev	11.80	8.262	50.237	3.17	.0617	2.3877	74.
%RSD	11.584	57.514	120.92	.65486	-78e6	322.64	.15968
#1	89.060	9.6210	98.851	487.36	.03563	-2.0158	46184.
#2	112.30	9.5702	20.691	481.07	.03563	2.0473	46331.
#3	104.25	23.906	5.0957	483.58	-.07125	2.1886	46243.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.44982	9.0701	-.21389	18738.	43.036	16787.	2888.9
SDev	3.49393	9.6666	.64168	27.	52.675	57.	3.8
%RSD	-776.75	106.58	-300.00	.14279	122.40	.33671	.13174
#1	-4.3482	-2.0919	.42779	18768.	97.891	16850.	2892.9
#2	.59974	14.651	-.85558	18717.	-7.1463	16740.	2888.4
#3	2.3990	14.651	-.21389	18729.	38.362	16771.	2885.4

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.33980	10034.	67.673	-2.5154	37900.	2.8981	7.8589
SDev	2.52080	561.	73.802	1.7265	897.	1.4973	.6787
%RSD	-741.86	5.5861	109.06	-68.635	2.3667	51.664	8.6357
#1	-3.2114	10593.	-15.617	-4.3448	38755.	2.9083	7.4744
#2	1.5082	9471.9	93.701	-.91470	36966.	1.3958	7.4598
#3	.68376	10037.	124.93	-2.2868	37978.	4.3902	8.6425

INORGANIC SDG 10593M

Analysis Report QC Standard Wed 07-19-95 11:08:04 AM page 1

Method: MRG Sample Name: CCV Operator:
Run Time: 07/19/95 11:04:09
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5021.1	5034.2	4873.4	4789.8	4884.2	4969.3	50888.
SDev	4.1	128.6	175.0	21.7	6.1	18.4	250.
%RSD	.08228	2.5549	3.5909	.45288	.12400	.37053	.49093
#1	5024.9	4885.9	4708.7	4804.7	4890.5	4988.7	50782.
#2	5016.7	5100.9	5057.1	4764.9	4883.7	4952.0	51174.
#3	5021.6	5115.8	4854.3	4799.8	4878.5	4967.3	50709.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4872.7	4834.6	4817.5	4799.8	4910.5	50056.	4858.6
SDev	21.2	26.5	21.8	7.6	52.6	83.	8.1
%RSD	.43419	.54831	.45228	.15837	1.0718	.16629	.16738
#1	4867.6	4814.4	4832.3	4793.1	4905.8	50138.	4857.4
#2	4895.9	4864.6	4792.5	4808.0	4860.3	49971.	4867.3
#3	4854.5	4824.8	4827.8	4798.1	4965.3	50059.	4851.2

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4808.0	50306.	5059.9	480.68	50186.	4882.9	4954.9
SDev	21.5	1261.	68.1	2.47	945.	4.8	7.8
%RSD	.44694	2.5064	1.3453	.51459	1.8837	.09828	.15767
#1	4832.7	50688.	5106.7	481.36	50556.	4879.5	4946.6
#2	4793.7	48898.	5091.1	482.73	49112.	4888.4	4956.3
#3	4797.5	51331.	4981.8	477.93	50891.	4881.0	4962.0

Analysis Report QC Standard Wed 07-19-95 11:12:04 AM page 1

Method: MRG Sample Name: CCB Operator:
Run Time: 07/19/95 11:08:09
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9.3872	9.5649	103.97	.97999	1.2113	.72574	18.069
SDev	5.4230	14.371	39.70	.31653	.3206	3.2891	1.421
%RSD	57.770	150.25	38.181	32.300	26.471	453.21	7.8644
#1	15.496	23.928	112.57	.68684	.89065	-2.1424	17.881
#2	5.1404	9.5800	60.679	.9375	1.2113	.00365	16.752
#3	7.5253	-4.8137	138.66	1.3156	1.5319	4.3159	19.575

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.74935	-2.0931	-1.2834	2.1328	-16.354	-11.609	-2.2639
SDev	.68705	3.6244	.9802	1.4219	49.540	12.899	.2535
%RSD	91.686	-173.15	-76.376	66.667	-302.93	-111.11	-11.199
#1	.59950	-4.1863	-.21389	2.1328	-46.693	1.2899	-2.5567
#2	.14960	2.0919	-2.1389	.71093	40.814	-24.508	-2.1176
#3	1.4990	-4.1850	-1.4973	3.5547	-43.183	-11.609	-2.1175

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.17111	-518.49	5.2056	-.22868	2.6750	-2.4937	.39310
SDev	3.0915	257.98	39.302	.68603	10.127	1.1430	.01074
%RSD	1806.8	-49.755	754.98	-300.00	378.58	-45.838	2.7310
#1	.42677	-234.63	46.851	.45735	5.4838	-1.2465	.39021
#2	3.1268	-738.64	-31.234	-.22868	-8.5601	-3.4913	.38411
#3	-3.0403	-582.22	.00000	-.91470	11.101	-2.7432	.40499

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 11:16:03 AM page 1

Method: MRG Sample Name: 739967 #27 Operator:
Run Time: 07/19/95 11:12:08
Comment: SDG:10593M ClientID:S-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2267.3	553.99	2052.0	2514.4	55.648	39.550	46957.
SDev	25.1	24.90	84.5	33.1	.375	1.783	150.
%RSD	1.1088	4.4950	4.1182	1.3170	.67450	4.5088	.31883
#1	2238.2	568.39	2035.0	2477.4	55.291	39.162	47014.
#2	2282.2	525.23	1977.3	2524.2	55.612	37.993	47070.
#3	2281.3	568.34	2143.8	2541.5	56.039	41.496	46787.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	203.30	521.69	257.53	19971.	517.36	17086.	3440.5
SDev	2.48	6.04	2.06	68.	37.44	112.	9.9
%RSD	1.2186	1.1572	.80097	.33942	7.2372	.65319	.28828
#1	203.45	525.17	255.18	19893.	558.21	16964.	3429.0
#2	205.70	525.17	258.38	20013.	484.68	17110.	3446.6
#3	200.75	514.71	259.03	20007.	509.18	17184.	3445.8

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	502.55	10755.	2040.6	48.479	39746.	520.12	518.29
SDev	16.33	264.	36.1	1.188	1504.	1.31	2.91
%RSD	3.2502	2.4591	1.7674	2.4510	3.7849	.25108	.56178
#1	519.16	10949.	2061.4	49.165	38009.	519.35	521.37
#2	501.97	10862.	2061.4	49.165	40593.	519.38	517.89
#3	486.51	10454.	1999.0	47.107	40636.	521.63	515.59

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 11:20:02 AM page 1

Method: MRG Sample Name: 737409 #28 Operator:
Run Time: 07/19/95 11:16:08
Comment: SDG:309833 ClientID:FEAPASL01 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	41845.	71.095	73.472	293.68	1.9594	2.1521	5263.0
SDev	395.	8.301	42.345	3.11	.1069	1.3492	51.8
%RSD	.94342	11.676	57.634	1.0599	5.4545	62.692	.98495
#1	42041.	66.334	25.003	295.46	1.8525	3.7088	5232.6
#2	42103.	80.680	92.127	295.48	1.9594	1.4268	5233.7
#3	41391.	66.272	103.29	290.08	2.0663	1.3207	5322.9

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	65.223	34.867	34.651	49567.	-4.1376	14534.	521.79
SDev	2.264	4.358	1.615	29.	77.3433	70.	2.15
%RSD	3.4712	12.499	4.6604	.05825	-1869.3	.48459	.41157
#1	63.124	33.472	34.437	49600.	-21.936	14582.	521.68
#2	64.923	31.378	33.154	49553.	-71.030	14567.	519.70
#3	67.622	39.752	36.362	49547.	80.553	14453.	523.99

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	46.462	3638.2	15.617	-4.5735	852.53	114.86	120.02
SDev	2.649	688.2	27.049	2.4093	17.29	2.14	1.37
%RSD	5.7012	18.917	173.21	-52.678	2.0282	1.8675	1.1379
#1	46.160	3076.2	46.851	-4.3448	845.71	113.63	119.24
#2	49.249	3432.5	.00000	-7.0890	872.19	113.61	119.23
#3	43.977	4405.8	.00000	-2.2868	839.69	117.34	121.60

Analysis Report Wed 07-19-95 11:24:02 AM page 1

Method: MRG Sample Name: 737418 #29 Operator:
Run Time: 07/19/95 11:20:07
Comment: SDG:309833 ClientID:FEAPASL01D 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	40287.	-5.4612	120.41	287.46	1.7457	.05641	5279.4
SDev	175.	.0514	142.71	1.71	.0000	2.1546	8.2
%RSD	.43443	-.94177	118.53	.59524	.00000	3819.7	.15536
#1	40128.	-5.5197	270.89	285.63	1.7457	-1.8679	5287.9
#2	40258.	-5.4231	103.33	287.73	1.7457	-.34724	5271.5
#3	40475.	-5.4408	-13.000	289.02	1.7457	2.3843	5278.9

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	63.423	34.168	33.154	48407.	17.997	14137.	486.68
SDev	3.745	1.208	1.283	87.	45.455	86.	.42
%RSD	5.9055	3.5348	3.8710	.17900	252.57	.60609	.08674
#1	67.622	33.471	34.437	48331.	-26.092	14057.	486.20
#2	60.425	33.470	31.870	48387.	64.706	14125.	486.97
#3	62.224	35.562	33.154	48501.	15.379	14227.	486.88

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	51.276	3817.7	-36.439	-3.6588	829.39	112.53	116.08
SDev	2.060	235.8	130.036	1.8151	8.27	.72	1.36
%RSD	4.0181	6.1765	-356.86	-49.608	.99658	.64004	1.1688
#1	49.205	3953.9	109.32	-2.2868	821.64	113.25	114.51
#2	51.298	3545.5	-78.084	-2.9728	828.46	112.52	116.87
#3	53.325	3953.9	-140.55	-5.7169	838.09	111.81	116.86

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 11:28:02 AM page 1

Method: MRG Sample Name: 737417 #30 Operator:
Run Time: 07/19/95 11:24:07
Comment: SDG:309833 ClientID:FEAPASL01S 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	41189.	208.75	2010.8	2133.6	51.657	36.049	5202.4
SDev	161.	24.90	95.2	11.5	.185	.861	4.0
%RSD	.39208	11.927	4.7353	.53801	.35836	2.3877	.07700
#1	41004.	180.00	1920.5	2120.4	51.444	36.863	5198.1
#2	41303.	223.16	2110.3	2141.3	51.764	35.148	5203.2
#3	41259.	223.10	2001.5	2139.1	51.764	36.137	5206.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	250.83	484.01	266.30	51199.	466.16	14648.	1025.8
SDev	3.00	6.39	1.34	86.	37.69	45.	1.8
%RSD	1.1940	1.3211	.50161	.16849	8.0850	.30824	.17915
#1	251.58	485.40	264.80	51101.	450.10	14603.	1023.8
#2	247.53	477.03	267.37	51263.	439.16	14693.	1027.3
#3	253.38	489.59	266.73	51233.	509.21	14649.	1026.4

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	515.05	4127.7	1962.5	42.076	857.61	586.50	582.69
SDev	6.45	159.3	181.0	1.726	4.85	1.91	4.06
%RSD	1.2516	3.8590	9.2230	4.1032	.56598	.32558	.69613
#1	507.89	3988.6	2155.1	42.305	852.13	584.47	578.01
#2	516.90	4092.9	1795.9	40.247	859.35	588.26	585.04
#3	520.38	4301.5	1936.5	43.677	861.36	586.76	585.03

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 11:32:01 AM page 1

Method: MRG Sample Name: 739971 #31 Operator:
Run Time: 07/19/95 11:28:06
Comment: SDG:10593M ClientID:S-2 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	854.49	19.133	118.52	592.05	.03563	-2.1902	50491.
SDev	13.49	41.473	36.48	2.72	.00000	1.3449	248.
%RSD	1.5784	216.77	30.779	.45872	.00000	-61.406	.49094
#1	857.94	67.022	83.800	593.02	.03563	-3.5502	50532.
#2	839.61	-4.7828	115.21	594.15	.03563	-2.1596	50226.
#3	865.91	-4.8408	156.53	588.98	.03563	-.86088	50716.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.4994	29.302	2.7806	36147.	-34.703	18095.	3128.0
SDev	2.3373	7.250	1.6149	32.	17.265	35.	5.5
%RSD	155.89	24.742	58.076	.08801	-49.749	.19212	.17446
#1	.14993	33.488	2.9945	36165.	-14.872	18125.	3130.8
#2	.14993	33.488	1.0695	36110.	-42.860	18102.	3121.7
#3	4.1983	20.931	4.2779	36165.	-46.378	18057.	3131.5

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.5155	11500.	-78.084	-2.2868	41494.	9.4529	86.775
SDev	1.4944	245.	86.951	1.3721	641.	1.8895	2.453
%RSD	98.608	2.1298	-111.36	-60.000	1.5454	19.989	2.8268
#1	2.3783	11775.	-93.701	-2.2868	41559.	9.7082	87.557
#2	2.3783	11306.	15.617	-3.6588	42100.	7.4487	84.026
#3	-.21008	11418.	-156.17	-.91470	40823.	11.202	88.741

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Method: MRG Sample Name: 739973 #32 Operator:
Run Time: 07/19/95 11:32:06
Comment: SDG:10593M ClientID:S-3 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	137.12	-28.704	46.354	277.10	.00000	-1.5351	35862.
SDev	10.87	41.429	50.089	1.01	.1234	1.5690	167.
%RSD	7.9256	-144.33	108.06	.36454	-248e6	-102.21	.46687
#1	128.62	L-76.542	91.522	277.22	-.07125	-.26700	35694.
#2	133.39	-4.7794	55.056	278.05	-.07125	-3.2897	35864.
#3	149.37	-4.7912	-7.5153	276.04	.14250	-1.0486	36029.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.89963	-1.3963	-.42779	5741.0	-10.876	12684.	2054.3
SDev	1.87271	1.2088	.74095	26.6	23.813	32.	4.6
%RSD	-208.16	-86.572	-173.21	.46373	-218.95	.25205	.22546
#1	-2.9988	-2.0948	-.85558	5712.4	-29.538	12690.	2049.0
#2	-.29986	-2.0936	-.85558	5745.8	-19.033	12713.	2056.4
#3	.59971	-.00049	.42779	5765.0	15.944	12650.	2057.6

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.4959	6500.0	119.73	-2.2868	27592.	-1.9893	3.5238
SDev	1.8700	79.6	18.03	1.1882	281.	.7541	.6758
%RSD	74.921	1.2253	15.061	-51.962	1.0172	-37.906	19.178
#1	4.6529	6517.4	109.32	-2.9728	27914.	-2.7438	3.9092
#2	1.5030	6413.1	140.55	-2.9728	27464.	-1.9886	2.7435
#3	1.3319	6569.5	109.32	-.91470	27399.	-1.2356	3.9187

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Method: MRG Sample Name: 739975 #33 Operator:
Run Time: 07/19/95 11:36:06
Comment: SDG:10593M ClientID:S-4 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	536.01	-4.7994	36.079	86.138	.10688	-1.4389	15652.
SDev	8.80	.0302	37.541	.491	.06171	1.7978	74.
%RSD	1.6424	-.62825	104.05	.57054	57.735	-124.95	.47110
#1	545.91	-4.8298	4.8083	86.574	.14250	.51552	15675.
#2	529.05	-4.7988	25.717	85.606	.14250	-3.0222	15711.
#3	533.08	-4.7695	77.713	86.235	.03563	-1.8100	15569.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.3990	3.4858	1.7112	1290.1	21.302	6614.5	686.28
SDev	1.1901	4.3571	1.1114	2.2	5.354	16.8	.72
%RSD	49.608	125.00	64.952	.16835	25.132	.25351	.10479
#1	3.7484	-.00069	.42779	1292.5	16.619	6624.8	686.39
#2	1.9492	8.3704	2.3528	1289.6	20.150	6595.1	686.93
#3	1.4994	2.0877	2.3528	1288.2	27.138	6623.5	685.51

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.1070	1344.0	5.2056	.45735	3887.9	2.0932	12.537
SDev	6.4966	344.8	100.40	.68603	142.8	1.4964	1.385
%RSD	91.411	25.654	1928.7	150.00	3.6725	71.489	11.045
#1	1.8604	981.95	78.084	.45735	3951.8	.59677	13.343
#2	5.0870	1668.5	-109.32	1.1434	3724.3	3.5896	13.329
#3	14.374	1381.7	46.851	-.22868	3987.5	2.0932	10.938

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Analysis Report Wed 07-19-95 11:44:00 AM page 1

Method: MRG Sample Name: 739977 #34 Operator:
Run Time: 07/19/95 11:40:05
Comment: SDG:10593M ClientID:S-5 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1295.9	9.5801	84.920	309.70	.10688	.91416	52459.
SDev	11.6	14.392	27.020	3.16	.06171	3.5587	197.
%RSD	.89759	150.22	31.819	1.0208	57.735	389.28	.37492
#1	1296.7	23.978	69.066	311.80	.14250	-1.7296	52535.
#2	1283.9	-4.8058	69.575	306.06	.14250	4.9604	52606.
#3	1307.1	9.5684	116.12	311.23	.03563	-.48825	52235.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.7992	6.2750	6.4168	87921.	-18.310	11558.	1414.6
SDev	1.5797	4.1877	1.6149	265.	21.300	50.	3.1
%RSD	87.799	66.737	25.166	.30087	-116.33	.42969	.21602
#1	.14990	2.0865	4.9196	88219.	-32.304	11608.	1418.1
#2	3.2986	10.462	8.1280	87714.	6.2032	11508.	1412.3
#3	1.9492	6.2764	6.2029	87830.	-28.830	11557.	1413.5

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	11.403	8087.4	15.617	-6.4029	29683.	17.489	47.472
SDev	5.391	254.6	123.95	1.1882	639.	.887	1.173
%RSD	47.277	3.1480	793.73	-18.558	2.1516	5.0717	2.4710
#1	17.566	7986.0	109.32	-5.7169	29940.	18.067	47.456
#2	9.0805	8377.0	62.467	-5.7169	28956.	17.933	48.653
#3	7.5624	7899.1	-124.93	-7.7750	30153.	16.468	46.307

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Analysis Report Wed 07-19-95 11:47:59 AM page 1

Method: MRG Sample Name: 737420 #35 Operator:
Run Time: 07/19/95 11:44:04
Comment: SDG:309833 ClientID:FEAPASL02 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	46642.	-.77504	64.523	363.13	1.8525	5.0464	5216.7
SDev	213.	8.33078	72.412	2.27	.0000	2.4611	17.2
%RSD	.45608	-1074.9	112.23	.62476	.00000	48.769	.33027
#1	46597.	-5.5913	2.5739	363.13	1.8525	2.2509	5202.6
#2	46873.	8.8445	46.864	365.40	1.8525	6.8867	5211.7
#3	46455.	-5.5783	144.13	360.87	1.8525	6.0016	5235.9

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	75.419	23.695	59.035	74853.	173.02	14705.	593.54
SDev	2.126	4.355	.370	124.	37.66	45.	.77
%RSD	2.8186	18.379	.62756	.16626	21.766	.30289	.13056
#1	76.168	18.814	59.463	74761.	149.76	14707.	592.65
#2	73.020	25.088	58.821	74994.	152.84	14748.	594.00
#3	77.068	27.183	58.821	74802.	216.47	14659.	593.98

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	71.482	4692.5	-124.93	-5.9456	1139.8	114.83	865.50
SDev	7.054	214.1	136.14	1.4281	12.1	1.55	.70
%RSD	9.8685	4.5625	-108.97	-24.019	1.0578	1.3504	.08072
#1	63.700	4466.6	-62.467	-7.0890	1126.2	113.56	865.92
#2	77.456	4718.6	-31.234	-6.4029	1149.1	114.37	864.70
#3	73.290	4892.4	-281.10	-4.3448	1144.2	116.56	865.89

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Method: MRG Sample Name: 737422 #36 Operator:
Run Time: 07/19/95 11:48:04
Comment: SDG:309837 ClientID:FEAPASW01 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	108.56	4.7886	49.350	6.3317	-.03563	.66908	10188.
SDev	12.69	29.881	62.416	.3829	.12341	2.9636	100.
%RSD	11.686	624.00	126.48	6.0472	-346.41	442.93	.98349
#1	117.07	-4.8039	111.67	6.7494	.03563	-.45343	10279.
#2	114.63	38.288	-13.158	6.2481	.03563	4.0299	10206.
#3	93.980	-19.118	49.532	5.9975	-.17813	-1.5693	10081.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.29987	-4.8835	-.42779	33.651	13.827	834.55	-3.0178
SDev	2.73609	3.1958	2.06272	4.734	50.985	21.23	.2192
%RSD	-912.43	-65.440	-482.18	14.067	368.73	2.5444	-7.2637
#1	1.4994	-4.1864	.42779	39.101	30.148	846.16	-2.7980
#2	1.0496	-2.0938	1.0695	31.281	54.653	847.45	-3.0188
#3	-3.4485	-8.3703	-2.7806	30.570	-43.320	810.04	-3.2364

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.86214	286.77	.00000	-1.1434	3554.4	-1.4849	8.6410
SDev	4.01856	762.33	15.617	2.2053	81.1	3.8383	2.3409
%RSD	-466.11	265.84	.00000	-192.87	2.2811	-258.49	27.091
#1	.80730	599.60	-15.617	.45735	3483.6	-.48689	8.6335
#2	2.0526	842.92	.00000	-.22868	3536.9	1.7558	10.986
#3	-5.4463	-582.22	15.617	-3.6588	3642.9	-5.7236	6.3039

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Analysis Report QC Standard Wed 07-19-95 11:55:58 AM page 1

Method: MRG Sample Name: CCV Operator:
Run Time: 07/19/95 11:52:03
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5027.0	5101.3	4903.0	4812.8	4862.0	4982.6	50597.
SDev	19.7	28.8	164.3	11.7	9.4	6.2	70.
%RSD	.39221	.56419	3.3504	.24211	.19334	.12397	.13761
#1	5046.7	5101.5	4843.8	4821.8	4863.1	4989.3	50519.
#2	5007.3	5072.5	4776.4	4817.1	4870.8	4981.5	50652.
#3	5026.9	5130.1	5088.6	4799.7	4852.1	4977.1	50620.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4859.3	4810.9	4840.9	4765.4	4889.4	50040.	4835.7
SDev	14.1	8.5	12.8	5.1	153.8	56.	7.2
%RSD	.28936	.17600	.26522	.10758	3.1451	.11204	.14853
#1	4846.4	4818.6	4853.5	4759.7	4793.7	50100.	4831.6
#2	4874.3	4801.8	4841.3	4769.7	5066.8	50031.	4844.0
#3	4857.2	4812.3	4827.8	4766.8	4807.7	49989.	4831.5

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4799.1	51577.	4929.7	481.59	51193.	4868.7	4922.7
SDev	24.1	1163.	47.7	3.38	542.	10.8	2.7
%RSD	.50165	2.2545	.96781	.70269	1.0584	.22275	.05404
#1	4782.8	52834.	4981.8	479.99	51813.	4869.0	4924.3
#2	4826.8	50540.	4919.3	479.30	50808.	4879.4	4924.2
#3	4787.8	51357.	4888.1	485.48	50958.	4857.8	4919.6

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Analysis Report QC Standard Wed 07-19-95 11:59:58 AM page 1

Method: MRG Sample Name: CCB Operator:
Run Time: 07/19/95 11:56:03
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.5842	-4.7819	-34.663	.90918	1.1044	.87008	4.5173
SDev	1.1778	14.3480	15.874	.17001	.0000	3.4481	1.1754
%RSD	-74.349	-300.05	-45.795	18.699	.00000	396.30	26.021
#1	-2.8724	-19.119	-48.490	.74207	1.1044	.99404	3.1998
#2	-1.3177	9.5774	-17.329	.90351	1.1044	-2.6383	5.4584
#3	-.56242	-4.8045	-38.171	1.0820	1.1044	4.2545	4.8938

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.59944	-.69954	-.42779	2.6068	-22.168	.42996	-2.6293
SDev	2.2491	6.72766	1.96038	1.6418	10.501	11.985	.1266
%RSD	375.20	-961.72	-458.26	62.984	-47.370	2787.5	-4.8155
#1	-1.6496	-8.3735	-2.1389	.71093	-32.669	-7.7393	-2.7755
#2	.59944	2.0915	-.85558	3.5547	-22.168	-5.1595	-2.5558
#3	2.8485	4.1834	1.7112	3.5547	-11.667	14.189	-2.5565

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.9828	-417.11	36.439	-2.0581	4.1463	-.49854	.76828
SDev	2.0856	418.20	39.302	1.4281	6.1424	2.24342	1.3525
%RSD	41.855	-100.26	107.85	-69.389	148.14	-449.99	176.04
#1	3.2847	-851.61	.00000	-3.6588	-2.9425	-2.7421	-.79344
#2	4.3530	-382.35	78.084	-.91470	7.4901	-.49829	1.5573
#3	7.3107	-17.380	31.234	-1.6007	7.8913	1.7447	1.5410

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Analysis Report Wed 07-19-95 12:03:57 PM page 1

Method: MRG Sample Name: 737435 #39 Operator:
Run Time: 07/19/95 12:00:02
Comment: SDG:309837 ClientID:FEAPASW02 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	117.38	.01834	42.361	8.5975	.07125	-.38464	10935.
SDev	15.85	8.2731	28.549	.2426	.06171	2.34967	87.
%RSD	13.506	45113.	67.396	2.8219	86.603	-610.87	.79270
#1	129.89	9.5712	75.178	8.5805	.14250	1.5494	11023.
#2	122.70	-4.7776	23.240	8.8482	.03563	-2.9996	10934.
#3	99.550	-4.7386	28.665	8.3639	.03563	.29623	10849.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.4994	-.69759	-.64168	26.779	-35.184	1317.8	-2.7065
SDev	2.4774	2.41535	.74095	1.480	23.312	14.7	.3287
%RSD	-165.22	-346.24	-115.47	5.5265	-66.258	1.1131	-12.147
#1	-.29992	-2.0921	-.21389	28.437	-60.866	1329.9	-2.7068
#2	.14993	2.0914	-.21389	25.594	-15.359	1301.5	-2.3776
#3	-4.3482	-2.0921	-1.4973	26.305	-29.327	1322.1	-3.0351

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.26712	188.28	-10.411	-1.3721	6459.9	-2.4832	12.565
SDev	4.09301	312.03	39.302	2.5973	234.3	1.5564	1.352
%RSD	-1532.2	165.73	-377.49	-189.30	3.6274	-62.678	10.762
#1	-2.5772	304.15	-15.617	.45735	6241.8	-1.2364	13.359
#2	4.4587	425.80	31.234	-.22868	6430.4	-1.9857	13.332
#3	-2.6829	-165.11	-46.851	-4.3448	6707.6	-4.2276	11.003

INORGANIC SDG 10593M

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Method: MRG Sample Name: SDI739966 #40 Operator:
Run Time: 07/19/95 12:04:02
Comment: SDG:10593M ClientID:S-1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	103.44	-4.8146	45.960	100.88	.00000	.14456	9709.6
SDev	8.60	.0137	29.999	.37	.0617	.26981	75.4
%RSD	8.3099	-.28421	65.272	.36692	-78e6	186.64	.77668
#1	98.875	-4.7988	63.317	100.46	.03563	-.00980	9783.8
#2	98.095	-4.8237	11.320	101.16	-.07125	.45610	9712.0
#3	113.36	-4.8212	63.242	101.02	.03563	-.01262	9633.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.8488	.69644	-.21389	3987.9	17.157	3473.6	603.74
SDev	.4498	4.3584	1.28337	4.3	35.514	15.9	2.25
%RSD	15.789	625.82	-600.00	.10746	206.99	.45630	.37221
#1	2.3990	-4.1889	-.21389	3991.9	-21.328	3491.7	605.97
#2	2.8489	4.1862	1.0695	3988.3	48.664	3462.0	603.78
#3	3.2986	2.0920	-1.4973	3983.4	24.135	3467.2	601.48

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.3677	2308.6	57.262	.91470	8215.6	1.2907	3.9169
SDev	3.7804	337.9	100.40	1.0479	157.0	1.9807	.0111
%RSD	112.25	14.638	175.34	114.56	1.9107	153.46	.28231
#1	7.3186	2615.6	171.79	1.8294	8053.4	2.7883	3.9048
#2	-.21537	2363.6	-15.617	-.22868	8226.4	2.0389	3.9264
#3	3.0000	1946.5	15.617	1.1434	8366.8	-.95509	3.9196

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Method: MRG Sample Name: SDI737409 #41 Operator:
Run Time: 07/19/95 12:08:01
Comment: SDG:309833 ClientID:FEAPASL01L 1:5
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8723.7	-43.225	18.636	60.068	.39188	-1.2795	1138.6
SDev	70.4	21.951	19.808	.243	.06171	2.8434	10.4
%RSD	.80723	-50.783	106.29	.40451	15.746	-222.23	.91762
#1	8795.0	-48.029	4.1374	60.348	.35626	.52509	1148.9
#2	8654.1	-19.270	10.566	59.936	.46314	-4.5572	1138.7
#3	8722.1	L-62.375	41.205	59.919	.35626	.19363	1128.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13.344	4.8798	5.9890	10351.	-49.195	3030.8	105.19
SDev	1.299	1.2083	1.4819	50.	60.814	26.5	1.32
%RSD	9.7308	24.761	24.744	.48672	-123.62	.87462	1.2512
#1	14.094	4.1833	4.2779	10409.	L-119.30	3048.0	106.70
#2	11.845	6.2751	6.8446	10326.	-10.592	3000.3	104.60
#3	14.094	4.1812	6.8446	10319.	-17.695	3044.1	104.27

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10.770	582.22	-62.467	-1.8294	589.98	22.845	25.887
SDev	2.842	305.63	.000	2.7725	7.05	.850	2.707
%RSD	26.388	52.494	.00000	-151.55	1.1943	3.7200	10.458
#1	7.7546	260.70	-62.467	1.1434	589.31	21.864	22.761
#2	11.156	868.99	-62.467	-2.2868	583.29	23.336	27.454
#3	13.399	616.98	-62.467	-4.3448	597.33	23.335	27.446

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Analysis Report Wed 07-19-95 12:15:54 PM page 1

Method: MRG Sample Name: SDI737422 #42 Operator:
Run Time: 07/19/95 12:12:00
Comment: SDG:309837 ClientID:FEAPASW01L 1:5
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	118.95	-4.7814	80.477	2.3919	.00000	.39098	2111.7
SDev	11.42	14.3598	68.010	.0932	.0617	4.1007	22.6
%RSD	9.6035	-300.33	84.509	3.8969	-78e6	1048.8	1.0706
#1	131.47	-19.141	49.162	2.4457	.03563	1.7924	2137.6
#2	116.26	9.5782	158.50	2.4457	-.07125	-4.2267	2100.9
#3	109.11	-4.7810	33.765	2.2843	.03563	3.6072	2096.4

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.44982	-3.4901	-.21389	10.901	-17.686	152.64	-3.3656
SDev	.25968	1.2091	.64168	1.789	27.198	7.78	.3349
%RSD	57.731	-34.643	-300.00	16.413	-153.79	5.0938	-9.9509
#1	.59974	-4.1882	.42779	10.664	-39.869	144.47	-3.0004
#2	.14996	-2.0940	-.85558	9.2421	-25.847	159.94	-3.6583
#3	.59974	-4.1881	-.21389	12.797	12.659	153.50	-3.4381

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.4358	104.28	36.439	1.1434	1123.1	-.74290	4.6958
SDev	1.7552	375.48	32.509	1.8151	35.4	1.14265	1.3560
%RSD	39.570	360.07	89.214	158.75	3.1534	-153.81	28.876
#1	5.5428	434.49	.00000	3.2015	1082.9	-.49338	3.9046
#2	2.4120	182.49	62.467	.45735	1137.0	.25438	3.9212
#3	5.3525	-304.15	46.851	-.22868	1149.5	-1.9897	6.2615

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Analysis Report Wed 07-19-95 12:19:53 PM page 1

Method: MRG Sample Name: ~~PDS739966~~ #43 Operator:
Run Time: 07/19/95 12:15:59 123123 7.19.95
Comment: SDG:10593M ClientID:S-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.4481	-4.8239	50.304	-.01275	.03563	1.2189	-.94111
SDev	4.0204	.0239	13.765	.32446	.00000	.8453	2.35088
%RSD	-116.60	-.49515	27.363	-2545.6	.00000	69.351	-249.80
#1	-7.7145	-4.7996	60.744	-.35404	.03563	1.6832	-3.5762
#2	-2.8997	-4.8473	34.705	.29173	.03563	.24320	-.18822
#3	.26997	-4.8247	55.463	.02407	.03563	1.7303	.94111

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.8488	-3.4883	-.64168	-.71093	-8.1678	-6.0194	-3.7985
SDev	1.7993	3.1974	.98019	1.88095	36.3763	1.9703	.0630
%RSD	63.158	-91.658	-152.75	-264.58	-445.36	-32.733	-1.6587
#1	1.0496	-6.2793	-1.4973	-2.8437	33.836	-3.8696	-3.7624
#2	4.6481	.00020	-.85558	.71093	-29.168	-6.4494	-3.8713
#3	2.8488	-4.1859	.42779	.00000	-29.171	-7.7393	-3.7619

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.29971	-5.7932	31.234	-.68603	251.32	-.50096	-1.5680
SDev	.50433	198.223	68.072	1.42808	4.18	.74873	1.3615
%RSD	-168.27	-3421.6	217.94	-208.17	1.6618	-149.46	-86.826
#1	.28077	-182.49	62.467	-2.2868	246.64	-.50041	-.78190
#2	-.54966	-43.449	78.084	-.22868	254.66	-1.2500	-.78210
#3	-.63025	208.56	-46.851	.45735	252.66	.24748	-3.1401

INORGANIC SDG 10593M

Analysis Report Wed 07-19-95 12:23:53 PM page 1

Method: MRG Sample Name: PDS737409 #44 Operator:
Run Time: 07/19/95 12:19:58
Comment: SDG:309833 ClientID:FEAPASL01A 1:1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	41309.	142.84	64.688	289.92	13.894	11.734	5258.5
SDev	229.	54.38	29.731	1.86	.062	3.323	25.1
%RSD	.55403	38.071	45.960	.64219	.44412	28.321	.47817
#1	41187.	181.12	98.659	289.27	13.930	11.430	5264.7
#2	41166.	80.592	51.985	288.47	13.930	15.199	5280.0
#3	41573.	166.81	43.418	292.02	13.823	8.5736	5230.9

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	89.809	126.93	93.258	49111.	7.3918	14405.	551.63
SDev	3.316	10.32	1.960	26.	53.116	27.	.20
%RSD	3.6919	8.1337	2.1021	.05226	718.58	.18981	.03596
#1	92.358	131.81	95.397	49091.	63.573	14400.	551.52
#2	91.009	133.90	92.830	49140.	.60934	14380.	551.86
#3	86.061	115.07	91.547	49101.	-42.007	14434.	551.51

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	145.83	4316.0	62.467	18.523	906.43	231.93	165.95
SDev	4.45	279.3	27.049	1.048	18.34	.86	2.37
%RSD	3.0515	6.4723	43.301	5.6575	2.0234	.37027	1.4287
#1	150.71	4431.8	93.701	18.294	897.07	232.42	163.57
#2	144.79	4518.7	46.851	19.666	894.66	232.43	168.32
#3	142.00	3997.3	46.851	17.608	927.57	230.93	165.97

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Analysis Report QC Standard Wed 07-19-95 12:27:52 PM page 1

Method: MRG Sample Name: CRI Operator:
Run Time: 07/19/95 12:23:57
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	106.96	162.72	Q371.89	-.20959	13.110	9.4790	44.232
SDev	6.88	16.58	70.66	.23367	.062	3.7577	8.644
%RSD	6.4341	10.190	19.001	-111.49	.47067	39.642	19.542
#1	105.63	153.15	Q437.78	-.20959	13.182	9.9951	37.644
#2	114.41	Q181.86	297.27	.02407	13.075	12.952	54.020
#3	100.84	153.14	Q380.63	-.44326	13.075	5.4899	41.032

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	24.136	126.24	65.666	21.565	206.57	23.648	35.139
SDev	1.132	2.42	.370	3.916	63.50	20.652	.189
%RSD	4.6901	1.9157	.56419	18.157	30.742	87.330	.53878
#1	23.087	127.64	65.238	24.172	180.90	24.508	34.920
#2	25.336	123.45	65.880	23.461	Q278.88	43.856	35.248
#3	23.986	127.64	65.880	17.062	159.91	2.5798	35.248

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	104.38	-205.66	400.83	Q8.0037	-3.2100	128.18	51.404
SDev	4.49	545.20	88.80	1.1882	8.0684	.75	3.587
%RSD	4.3064	-265.10	22.154	14.846	-251.35	.58412	6.9773
#1	100.55	-260.70	499.74	Q6.6316	-.93626	128.18	50.634
#2	109.33	364.97	327.95	Q8.6897	3.4775	128.93	55.313
#3	103.26	-721.26	374.80	Q8.6897	-12.171	127.43	48.265

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Analysis Report QC Standard Wed 07-19-95 12:31:50 PM page 1

Method: MRG Sample Name: ICSA Operator:
Run Time: 07/19/95 12:27:56
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	530500.	85.884	-142.26	1.9911	.07125	-9.8814	525000.
SDev	1289.	29.853	51.24	.1915	.06171	4.1497	1625.
%RSD	.24305	34.760	-36.018	9.6183	86.603	-41.996	.30955
#1	531480.	52.416	-112.69	2.2121	.14250	-5.1166	526580.
#2	529040.	109.77	-112.66	1.8722	.03563	-11.824	525100.
#3	530990.	95.464	-201.43	1.8892	.03563	-12.703	523330.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	21.891	6.2799	4.4918	182430.	39.835	540950.	-23.847
SDev	3.406	2.0950	.9802	462.	74.938	1055.	.398
%RSD	15.559	33.360	21.822	.25318	188.12	.19496	-1.6686
#1	20.392	6.2766	4.2779	182870.	113.02	542160.	-23.670
#2	25.789	4.1865	5.5613	182480.	43.218	540460.	-24.302
#3	19.492	8.3765	3.6362	181950.	-36.738	540220.	-23.568

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.7113	-695.19	-322.75	-13.721	157.43	25.136	7.0919
SDev	9.1677	287.16	320.18	2.205	1.67	2.010	1.3363
%RSD	-535.72	-41.307	-99.203	-16.073	1.0612	7.9961	18.842
#1	7.0550	-504.01	46.851	-11.205	158.76	27.269	8.6347
#2	-.95530	-556.15	-499.74	-15.321	155.55	24.862	6.2999
#3	-11.234	-1025.4	-515.36	-14.635	157.96	23.278	6.3411

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Method: MRG Sample Name: ICSAB Operator:
Run Time: 07/19/95 12:31:55
Comment: ICSAB ICSAB
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	523840.	-3.9124	-227.65	467.56	484.26	987.22	523630.
SDev	2770.	64.7779	330.09	2.47	1.19	6.31	2133.
%RSD	.52884	-1655.7	-145.00	.52860	.24609	.63950	.40741
#1	524740.	63.130	-590.97	467.74	484.73	993.87	525950.
#2	526050.	-8.7078	53.798	469.93	485.15	981.31	521750.
#3	520730.	-66.159	-145.77	465.00	482.91	986.48	523180.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	484.16	490.85	523.83	181460.	4739.9	536230.	444.24
SDev	.26	6.39	3.70	347.	100.2	1111.	1.83
%RSD	.05362	1.3021	.70724	.19147	2.1145	.20725	.41158
#1	484.46	497.82	525.97	181830.	4838.9	536790.	446.29
#2	484.01	485.27	525.97	181410.	4742.4	536950.	442.78
#3	484.01	489.46	519.55	181140.	4638.5	534950.	443.66

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	877.59	-411.32	-187.40	961.58	163.71	496.52	965.60
SDev	9.83	400.99	363.91	2.47	5.39	2.30	4.12
%RSD	1.1203	-97.489	-194.19	.25723	3.2914	.46390	.42624
#1	888.81	-121.66	-78.084	963.64	167.59	498.63	963.20
#2	873.53	-868.99	-593.44	962.27	157.56	494.06	963.25
#3	870.44	-243.32	109.32	958.84	165.99	496.86	970.35

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Method: MRG Sample Name: CCV Operator:
Run Time: 07/19/95 12:35:54
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5102.0	5067.4	4848.2	4819.2	4897.3	5000.2	51039.
SDev	44.5	64.7	72.6	22.1	25.3	10.7	76.
%RSD	.87272	1.2770	1.4982	.45771	.51611	.21463	.14957
#1	5142.7	5000.5	4806.1	4833.2	4911.3	5002.8	51027.
#2	5108.9	5072.1	4806.4	4830.7	4912.4	5009.5	51120.
#3	5054.4	5129.6	4932.1	4793.8	4868.1	4988.5	50969.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4903.6	4845.1	4839.8	4829.8	4892.9	50081.	4873.6
SDev	6.5	17.8	23.3	23.2	75.2	189.	12.6
%RSD	.13219	.36728	.48213	.48021	1.5372	.37774	.25861
#1	4901.8	4845.7	4856.0	4843.6	4968.7	50193.	4873.9
#2	4910.7	4862.5	4850.3	4842.9	4891.7	50188.	4886.0
#3	4898.2	4826.9	4813.1	4803.1	4818.2	49863.	4860.8

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4847.6	49784.	4945.3	482.73	50178.	4900.4	4948.1
SDev	25.7	1236.	77.0	.69	591.	17.1	10.8
%RSD	.53098	2.4832	1.5578	.14211	1.1772	.34923	.21879
#1	4870.1	49636.	4856.8	482.73	50318.	4907.1	4960.5
#2	4853.2	48628.	4981.8	482.05	49530.	4913.1	4942.9
#3	4819.6	51088.	4997.4	483.42	50686.	4880.9	4940.8

Analysis Report QC Standard Wed 07-19-95 12:43:49 PM page 1

Method: MRG Sample Name: CCB Operator:
Run Time: 07/19/95 12:39:54
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3158
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34.176	.00371	93.342	.70525	.96190	.82282	42.914
SDev	35.124	8.3059	16.184	.25157	.16326	1.0082	38.984
%RSD	102.77	223900.	17.339	35.671	16.973	122.53	90.840
#1	15.541	-4.7861	96.995	.59762	.99752	-.32954	19.010
#2	12.297	9.5946	107.39	.52540	.78377	1.2556	21.834
#3	74.690	-4.7973	75.643	.99273	1.1044	1.5424	87.899

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.45009	-2.0928	-1.0695	13.982	-3.5590	24.938	-2.8111
SDev	1.37417	2.0933	.9802	12.921	8.1116	46.585	.4431
%RSD	-305.31	-100.03	-91.652	92.416	-227.92	186.80	-15.761
#1	-.74997	-2.0918	-2.1389	3.5547	-8.1994	-11.609	-2.8847
#2	-1.6495	.00005	-.85558	9.9531	5.8073	9.0292	-3.2127
#3	1.0493	-4.1866	-.21389	28.437	-8.2850	77.393	-2.3358

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	V_2924	Zn2138
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.78727	-660.43	72.879	-1.8294	-6.2863	-1.9904	-.78150
SDev	2.35469	355.86	110.79	.7922	8.6464	1.2984	.01011
%RSD	-299.10	-53.883	152.03	-43.301	-137.54	-65.235	-1.2942
#1	-3.4016	-1042.8	-46.851	-2.2868	-12.974	-3.4897	-.77050
#2	-.12684	-599.60	93.701	-2.2868	-9.3626	-1.2430	-.78360
#3	1.1667	-338.90	171.79	-.91470	3.4775	-1.2385	-.79040

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions	Prepared by	Date
Standard blank (S0, ICB, CCB)	Place in a 200-ml volumetric flask: 150 ml of deionized water 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Bring up to volume with deionized water. Prepare daily.	PEC	7-19-95
Standard XCL-11 (S)	Place in a 100-ml volumetric flask: 90 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Pipet 1.0 ml XCL-11 (Ref#: 7m2-193-15) into flask. Bring up to volume with deionized water. Prepare daily.	PEC	7-19-95
Standard XCL-2 (S)	Place in a 100-ml volumetric flask: 90 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Pipet 1.0 ml XCL-2 (Ref#: 7m2-193-16) into flask. Bring up to volume with deionized water. Prepare daily.	PEC	7-19-95
Standard XCL-3A	Place in a 100-ml volumetric flask: 90 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Pipet 1.0 ml XCL-3A (Ref#: 7m2-190-19) into flask. Bring up to volume with deionized water. Prepare daily.	PEC	7-19-95
Standard PLSB2-2X (S)	Place in a 100-ml volumetric flask: 90 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Pipet 1.0 ml of PLSB2-2X (Ref#: 7m2-192-12) into flask. Bring up to volume with deionized water. Prepare daily.	PEC	7-19-95
CCV solution (CVS1)	Place in a 200-ml volumetric flask: 150 ml of deionized water 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Pipet 1.0 ml XCL-2 (Ref#: 7m2-193-16) into flask. Pipet 1.0 ml XCL-11 (Ref#: 7m2-193-15) into flask. Pipet 1.0 ml XCL-3A (Ref#: 7m2-190-19) into flask. Pipet 1.0 ml PLSB2-2X (Ref#: 7m2-192-12) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	7-19-95

Reviewed by: [signature] Date: 7-19-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions	Prepared by	Date
ICV1 solution	Place in a 200-ml volumetric flask: 150 ml of deionized water 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-194-1) Pipet 20.0 ml ICV1 (Ref#: 7M2-191-3) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	BJ	6-27-95
ICV3 solution	Place in a 200-ml volumetric flask: 150 ml of deionized water 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-A4-1) Pipet 20.0 ml ICV3 (Ref# 7M2-127-7) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	7-5-95
SPEXAS solution	Place in a 200-ml volumetric flask: 150 ml of deionized water 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Pipet 1.0 ml PLAS2-2X (Ref#: 7M2-195-12) into flask. Pipet 1.0 ml PLTL2-2X (Ref#: 7M2-NA) Pipet 1.0 ml PLPB2-2X (Ref#: 7M2-182-8) into flask. Pipet 1.0 ml PLSE2-2X (Ref#: 7M2-182-9) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	7-12-95
Intercheck solution A (ICSA)	Place in a 200-ml volumetric flask: 150 ml of deionized water 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Pipet 20.0 ml ICSA (Ref#: 7M2-193-4) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle.	PEC	7-12-95

Reviewed by: MuChamp Date: 7-19-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions	Prepared by	Date
Intercheck solution AB (ICSAB)	Place in a 200-ml volumetric flask: 20.0 ml of ICSA (Ref#: 7M2-196-6) 20.0 ml of ICSAB stock solution (Ref#: 7M2-192-17) 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-13) Bring up to volume with deionized water. Place in a Teflon bottle. Prepare as needed.	PEC	7-12-95
CRI stock solution A for P1	Place in a 100-ml volumetric flask: 80 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2- MA) Pipet 2X the IDL for As, Se, Pb, and Tl into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	NA	NA
CRI stock solution A for P2	Place in a 100-ml volumetric flask: 80 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2- MA) Pipet 2X the IDL for As, Se, Pb, and Tl into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	MA	MA
CRI solution	Place in a 200-ml volumetric flask: 150 ml of deionized water 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-192-15) Pipet CRI stock solution A P(1 or 2) into flask.(Please see ICP solutions log) Pipet 0.20 CRDL-1 Ref#: 7M2-187-14 into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	7-5-95
Dissolved Metals Only:			
LCS	Add 1.0 ml of LCSW solution (Ref#: 7M2- MA) to 9.0 ml of deionized water (2% HNO_3, Baker Instra-analyzed Trace Metals grade, Ref#: 7M2- NA)	MA	MA
Prep Blank	Use acidified water (2% HNO_3, Baker Instra-analyzed Trace Metals grade, Ref#: 7M2- MA)	↓	↓
Sample Spike	Add 0.1 ml of XCL-19 (Ref#: 7M2- MA) to 10.0 ml of sample.	↓	↓

Reviewed by: MW Chemp Date: 7-19-95

COMPUCHEM ENVI. CORP. LOGBOOK 1000 12
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INORGANIC SDG 10593M
Page 90

Automated Mercury Runlog

Page 2 of 32 JDH 7-18-95

Date: 7-18-95

Operator J. HUDSON

Case Name: SAME

File Name: SAME

Method (Circle one.):
CLP
SW-846

No.	Sample ID	Comments	Time
	ICV		
	ICB	JDH	7-18-95
1	739898	D	
2	739897	S	
3	739890		
4	739893		
5	739901		
6	739905		
7	739908		
8	739911		
9	739917		
10	739920		
	CCV		
	CCB		
1	739922		
2	740261	PBW	
3	739969	LCSW	
4	739966		
5	739968	D	
6	739967	S	
7	739971		
8	739973		
9	739975		
10	739977		
	CCV		
	CCB		

#	Sample ID	Comments	Time
1	739678	PBW	
2	739679	LCSW	
3	737285		
4	737264	D	
5	737263	S	
6	737262		
7	737294		
8	739681	PBW	
9	739682	LCSW	
10	737305		
	CCV		
	CCB		
1	737315		
2	737314		
3	738270		
4	738276		
5	738292		
6	738308		
7	738592		
8	738599		
9	123123		
10	123123		
	CCV		
	CCB		

Reviewed By: A Wilson

Date: 7-18-95

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COMPUCEHM ENVI. LOGBOOK 1 BBB 15

Automated Mercury Runlog

Page 1 of 32 JDH 7-18-95

Date: 7-18-95

Operator J. HUDSON

Case Name: MBKB20, MHCK90, 10591M, 10592M, 10593M, 737262, 737301

File Name: 514715

Method (Circle one.):
CLP
SW-846

No.	Sample ID	Comments	Time
	ICV-5	(0791)	
	ICB		
1	CRA		
2			
3			
4			
5			
6			
7			
8			
9			
10		JDH	7-18-95
	CCV		
	CCB		
1	739364	PBW	
2	739101	LCSW	
3	739097		
4	740168	PBW	
5	739798	LCSW	
6	739794		
7	739797	D	
8	739796	S	
9	739795		
10	739799		
	CCV		
	CCB		

#	Sample ID	Comments	Time
1	739800		
2	740165	PBW	
3	739949	LCSW	
4	739942		
5	739948	D	
6	739947	S	
7	739944		
8	739945		
9	739946		
10	739950		
	CCV		
	CCB		
1	739954		
2	739955		
3	739956		
4	739957		
5	739958		
6	739959		
7	739978		
8	740260	PBW	
9	739900	LCSSW JDH 7-18-95	
10	739915		
	CCV		
	CCB		

Reviewed By: C Nelson

Date: 7-18-95

INORGANIC SDG 10593M

COMPUCHEM
ENVIRONMENTAL
CORPORATION

Mercury Analysis

Cold Vapor by Leeman PS200

Analyst J HUDICN Date 7-18-95

Start Time 0830

SDG: MDKB2Ø, MITCK9Ø, 10591M, 10592M, 10593M, 737262, 737385

Method: (CLP) / SW-846

QC: ICV-5 (0791)

ICV True value= 4.90ppb

CCV True value= 5.00ppb

gas flow: 0.3 LPM
pump rate: 5.0 ml/M

units: ug/L

correlation coefficient: 0.999

standard concentrations (ug/L)

0.00
0.20
0.50
1.00
5.00
10.0
ICV-5 (0791)

Prep date:
refer to
page # 4200

pages 1-9

Filename: V271839 .WSL

INORGANIC SDG 10593M

09:40:00 18 Jul 1995 Folder: JH718
Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 09:40:00 18 Jul 1995 HG

Hg .0000 ppb -388
Ave. Int. = -388 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 09:42:23 18 Jul 1995 HG

Hg .2000 ppb 3510
Ave. Int. = 3510 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 09:44:46 18 Jul 1995 HG

Hg .5000 ppb 8824
Ave. Int. = 8824 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 09:47:09 18 Jul 1995 HG

Hg 1.000 ppb 18139
Ave. Int. = 18139 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 09:49:32 18 Jul 1995 HG

Hg 5.000 ppb 94667
Ave. Int. = 94667 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 09:52:06 18 Jul 1995 HG

Hg 10.00 ppb 186390
Ave. Int. = 186390 S. D. = 0

INORGANIC SDG 10593M

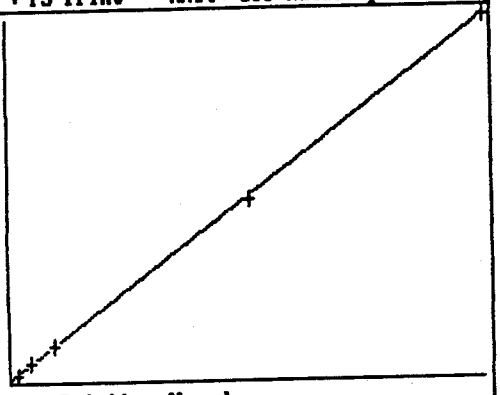
Protocol: HG2 HG2
Rev: 2.005 Time: 09:52:14 18 Jul 1995
Folder: JH718 Seq: 6 Print: On
User: JHUDSON Batch: Id: Std6Repl Cup: Gas: 0.30 LPM
State: Idle Macro AUTOCRA 81 : F3 Print Xmit: Off Autosampler: On

CALIBRATION: Line Calibration

Line: Hg Accepted

	Conc.	Calc.	Dev.	LiNear
S1	.0000	-.0054	-.0054	Quadratic
S2	.2000	.2017	.0017	WtdLinear
S3	.5000	.4855	-.0145	C
S4	1.000	.9829	-.0171	Accept o
S5	5.000	5.069	.0693	n
S6	10.00	9.967	-.0329	StdAdd c

A .0000000 r .999960
B 5.33979e-5 C 1.42779e-2



Relative Absorbance

	Mean	%RSD	
S1	-388	0	-388
S2	3510	0	3510
S3	8824	0	8824
S4	18139	0	18139
S5	94667	0	94667
S6	186390	0	186390

New cal coefficients stored

09:54:42 18 Jul 1995 Folder: JH718 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3ICV Seq: 6 09:54:42 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.4	5.165	4.900	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 7 09:57:13 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0115	.2000	ppb	.0000

*** Check Standard: 4 Ck4CRA Seq: 8 09:59:34 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.0	.2120	.2000	ppb	.0000

*** Check Standard: 2 Ck2CCV Seq: 9 10:01:55 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.1	5.107	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 10 10:04:27 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0095	.2000	ppb	.0000

*** Sample ID: 739364 Seq: 11 10:06:47 18 Jul 1995 HG

PBW 1:1

Hg	.0406	ppb	.0000	.0406

*** Sample ID: LCSW739101 Seq: 12 10:09:05 18 Jul 1995 HG

LCSW 1:1

Hg	3.437	ppb	.0000	3.437

*** Sample ID: 739097 Seq: 13 10:11:29 18 Jul 1995 HG

MDKB20 1:1

Hg	.0432	ppb	.0000	.0432

*** Sample ID: 740168 Seq: 14 10:13:48 18 Jul 1995 HG

PBW 1:1

Hg	.0164	ppb	.0000	.0164

*** Sample ID: LCSW739798 Seq: 15 10:16:07 18 Jul 1995 HG

LCSW 1:1

Hg	2.992	ppb	.0000	2.992

*** Sample ID: 739794 Seq: 16 10:18:30 18 Jul 1995 HG

MHCK90 1:1

Hg	-.0026	ppb	.0000	-.0026

*** Sample ID: 739797 Seq: 17 10:20:49 18 Jul 1995 HG

MHCK90D 1:1

Hg	.0180	ppb	.0000	.0180

Folder: JH718
10:23:08 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739796 Seq: 18 10:23:08 18 Jul 1995 HG
MHCK90S 1:1
Hg .9799 ppb .0000 .9799

*** Sample ID: 739795 Seq: 19 10:25:27 18 Jul 1995 HG
MHCK92 1:1
Hg .0432 ppb .0000 .0432

*** Sample ID: 739799 Seq: 20 10:27:46 18 Jul 1995 HG
MHCK94 1:1
Hg -.0078 ppb .0000 -.0078

*** Check Standard: 2 Ck2CCV Seq: 21 10:30:06 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.050	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 22 10:32:37 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0044	.2000	ppb	.0000

*** Sample ID: 739800 Seq: 23 10:34:57 18 Jul 1995 HG
MHCK95 1:1
Hg .0199 ppb .0000 .0199

*** Sample ID: 740165 Seq: 24 10:37:16 18 Jul 1995 HG
PBW 1:1
Hg .0297 ppb .0000 .0297

*** Sample ID: LCSW739949 Seq: 25 10:39:35 18 Jul 1995 HG
LCSW 1:1
Hg 2.990 ppb .0000 2.990

*** Sample ID: 739942 Seq: 26 10:41:58 18 Jul 1995 HG
MW-1 1:1
Hg .0074 ppb .0000 .0074

*** Sample ID: 739948 Seq: 27 10:44:17 18 Jul 1995 HG
MW-1D 1:1
Hg .0548 ppb .0000 .0548

*** Sample ID: 739947 Seq: 28 10:46:36 18 Jul 1995 HG
MW-1S 1:1
Hg .9979 ppb .0000 .9979

*** Sample ID: 739944 Seq: 29 10:48:53 18 Jul 1995 HG
MW-1SD 1:1
Hg .0206 ppb .0000 .0206

INORGANIC SDG 10593M

Folder: JH718
10:51:10 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739945 Seq: 30 10:51:10 18 Jul 1995 HG
MW-6 1:1
Hg .0405 ppb .0000 .0406

*** Sample ID: 739946 Seq: 31 10:53:28 18 Jul 1995 HG
MW-3 1:1
Hg .0304 ppb .0000 .0304

*** Sample ID: 739950 Seq: 32 10:55:46 18 Jul 1995 HG
MW-8 1:1
Hg .0267 ppb .0000 .0267

*** Check Standard: 2 Ck2CCV Seq: 33 10:58:05 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.3	5.014	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 34 11:00:36 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0071	.2000	ppb	.0000

*** Sample ID: 739954 Seq: 35 11:02:56 18 Jul 1995 HG
MW-13 1:1
Hg .0277 ppb .0000 .0277

*** Sample ID: 739955 Seq: 36 11:05:15 18 Jul 1995 HG
MW-11 1:1
Hg .0213 ppb .0000 .0213

*** Sample ID: 739956 Seq: 37 11:07:34 18 Jul 1995 HG
MW-10 1:1
Hg .0244 ppb .0000 .0244

*** Sample ID: 739957 Seq: 38 11:09:53 18 Jul 1995 HG
MW-17 1:1
Hg .0333 ppb .0000 .0333

*** Sample ID: 739958 Seq: 39 11:12:12 18 Jul 1995 HG
MW-15 1:1
Hg .0224 ppb .0000 .0224

*** Sample ID: 739959 Seq: 40 11:14:31 18 Jul 1995 HG
MW-1A 1:1
Hg 1.692 ppb .0000 1.692

*** Sample ID: 739978 Seq: 41 11:16:50 18 Jul 1995 HG
TRIPBLK1 1:1
Hg .0168 ppb .0000 .0168

INORGANIC SDG 10593M

Folder: JH718
11:19:10 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 740260				Seq: 42	11:19:10 18 Jul 1995 HG			
				PBW	1:1			
Hg	.0369	ppb	.0000	.0369				
*** Sample ID: LCSW739900				Seq: 43	11:21:29 18 Jul 1995 HG			
				LCSW	1:1			
Hg	2.968	ppb	.0000	2.968				
*** Sample ID: 739915				Seq: 44	11:23:51 18 Jul 1995 HG			
				MW-9	1:1			
Hg	.0269	ppb	.0000	.0269				

*** Check Standard: 2 Ck2CCV Seq: 45 11:26:11 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.48	4.974	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 46 11:28:38 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0020	.2000	ppb	.0000

*** Sample ID: 739898				Seq: 47	11:30:58 18 Jul 1995 HG			
				MW-9D	1:1			
Hg	.0418	ppb	.0000	.0418				
*** Sample ID: 739897				Seq: 48	11:33:17 18 Jul 1995 HG			
				MW-9S	1:1			
Hg	1.059	ppb	.0000	1.059				
*** Sample ID: 739890				Seq: 49	11:35:36 18 Jul 1995 HG			
				TRIPBLK2	1:1			
Hg	.0417	ppb	.0000	.0417				
*** Sample ID: 739893				Seq: 50	11:37:55 18 Jul 1995 HG			
				MW-2	1:1			
Hg	.0304	ppb	.0000	.0304				
*** Sample ID: 739901				Seq: 51	11:40:14 18 Jul 1995 HG			
				MW-4	1:1			
Hg	.0368	ppb	.0000	.0368				
*** Sample ID: 739905				Seq: 52	11:42:33 18 Jul 1995 HG			
				MW-5	1:1			
Hg	.0477	ppb	.0000	.0477				
*** Sample ID: 739908				Seq: 53	11:44:52 18 Jul 1995 HG			
				MW-12	1:1			
Hg	.0456	ppb	.0000	.0456				

INORGANIC SDG 10593M

11:47:12 18 Jul 1995 Folder: JH718 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739911 Seq: 54 11:47:12 18 Jul 1995 HG

MW-14 1:1

Hg .0283 ppb .0000 .0283

*** Sample ID: 739917 Seq: 55 11:49:32 18 Jul 1995 HG

MW-16 1:1

Hg .0381 ppb .0000 .0381

*** Sample ID: 739920 Seq: 56 11:51:52 18 Jul 1995 HG

MW-18 1:1

Hg .0462 ppb .0000 .0462

*** Check Standard: 2 Ck2CCV Seq: 57 11:54:13 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.95	4.797	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 58 11:56:39 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0021	.2000	ppb	.0000

*** Sample ID: 739922 Seq: 59 11:58:59 18 Jul 1995 HG

MW-9SD 1:1

Hg .0261 ppb .0000 .0261

*** Sample ID: 740261 Seq: 60 12:01:19 18 Jul 1995 HG

PBW 1:1

Hg .0357 ppb .0000 .0357

*** Sample ID: LCSW739969 Seq: 61 12:03:39 18 Jul 1995 HG

LCSW 1:1

Hg 3.484 ppb .0000 3.484

*** Sample ID: 739966 Seq: 62 12:06:00 18 Jul 1995 HG

S-1 1:1

Hg .0323 ppb .0000 .0323

*** Sample ID: 739968 Seq: 63 12:08:22 18 Jul 1995 HG

S-1D 1:1

Hg .0226 ppb .0000 .0226

*** Sample ID: 739967 Seq: 64 12:10:45 18 Jul 1995 HG

S-1S 1:1

Hg 1.022 ppb .0000 1.022

*** Sample ID: 739971 Seq: 65 12:13:08 18 Jul 1995 HG

S-2 1:1

Hg .0306 ppb .0000 .0306

INORGANIC SDG 10593M

Folder: JH718
12:15:31 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739973 Seq: 66 12:15:31 18 Jul 1995 HG
S-3 1:1
Hg .0300 ppb .0000 .0300

*** Sample ID: 739975 Seq: 67 12:17:54 18 Jul 1995 HG
S-4 1:1
Hg .0370 ppb .0000 .0370

*** Sample ID: 739977 Seq: 68 12:20:17 18 Jul 1995 HG
S-5 1:1
Hg .0414 ppb .0000 .0414

*** Check Standard: 2 Ck2CCV Seq: 69 12:22:39 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.13	4.756	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 70 12:25:04 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0007	.2000	ppb	.0000

*** Sample ID: 739678 Seq: 71 12:27:26 18 Jul 1995 HG
PBW 1:1
Hg .0392 ppb .0000 .0392

*** Sample ID: LCSW739679 Seq: 72 12:29:49 18 Jul 1995 HG
LCSW 1:1
Hg 3.078 ppb .0000 3.078

*** Sample ID: 737285 Seq: 73 12:32:13 18 Jul 1995 HG
C#3100-MW-021:1
Hg .0143 ppb .0000 .0143

*** Sample ID: 737264 Seq: 74 12:34:36 18 Jul 1995 HG
C#3100-MW-021:1
Hg .0396 ppb .0000 .0396

*** Sample ID: 737263 Seq: 75 12:36:59 18 Jul 1995 HG
C#3100-MW-021:1
Hg 1.125 ppb .0000 1.125

*** Sample ID: 737262 Seq: 76 12:39:22 18 Jul 1995 HG
C#3100-MW02D1:1
Hg .0465 ppb .0000 .0465

*** Sample ID: 737294 Seq: 77 12:41:45 18 Jul 1995 HG
C#3100-MW-041:1
Hg .0359 ppb .0000 .0359

MF 8/1/95

Mercury Analysis Report for File JH718.PRN Page 0

Starting Date: 07-18-1995

Time	Sam. Type	Lab ID----	Client ID----------		Dil.	Conc/Abs	%R----	Status Flags
0940	STB	Std1Rep1			1			
0942	STD	Std2Rep1			1			
0944	STD	Std3Rep1			1			
0947	STD	Std4Rep1			1			
0949	STD	Std5Rep1			1			
0952	STD	Std6Rep1			1			
0954	ICV	Ck3ICV			1	5.165	105.41	
0957	ICB	Ck1ICB\CCB			1	-.0115		
0959	CRA	Ck4CRA			1	.2120	106.00	
1001	CCV	Ck2CCV			1	5.107	102.14	
1004	CCB	Ck1ICB\CCB			1	-.0095		
1006	SAM	739364	PBW	1:1	1	.0406		
1009	SAM	LCSW739101	LCSW	1:1	1	3.437		R
		Comment: LCS is not required to be reported						
1011	SAM	739097	MDKB20	1:1	1	.0432		
1013	SAM	740168	PBW	1:1	1	.0164		
1016	SAM	LCSW739798	LCSW	1:1	1	2.992		R
		Comment: LCS is not required to be reported						
1018	SAM	739794	MHCK90	1:1	1	-.0026		
1020	SAM	739797	MHCK90D	1:1	1	.0180		
1023	SAM	739796	MHCK90S	1:1	1	.9799		
1025	SAM	739795	MHCK92	1:1	1	.0432		
1027	SAM	739799	MHCK94	1:1	1	-.0078		
1030	CCV	Ck2CCV			1	5.050	101.00	
1032	CCB	Ck1ICB\CCB			1	.0044		
1034	SAM	739800	MHCK95	1:1	1	.0199		
1037	SAM	740165	PBW	1:1	1	.0297		
1039	SAM	LCSW739949	LCSW	1:1	1	2.990		R
		Comment: LCS is not required to be reported						
1041	SAM	739942	MW-1	1:1	1	.0074		
1044	SAM	739948	MW-1D	1:1	1	.0548		
1046	SAM	739947	MW-1S	1:1	1	.9979		
1048	SAM	739944	MW-1SD	1:1	1	.0206		
1051	SAM	739945	MW-6	1:1	1	.0406		
1053	SAM	739946	MW-3	1:1	1	.0304		
1055	SAM	739950	MW-8	1:1	1	.0267		
1058	CCV	Ck2CCV			1	5.014	100.28	
1100	CCB	Ck1ICB\CCB			1	.0071		
1102	SAM	739954	MW-13	1:1	1	.0277		
1105	SAM	739955	MW-11	1:1	1	.0213		
1107	SAM	739956	MW-10	1:1	1	.0244		
1109	SAM	739957	MW-17	1:1	1	.0333		
1112	SAM	739958	MW-15	1:1	1	.0224		
1114	SAM	739959	MW-1A	1:1	1	1.692		
1116	SAM	739978	TRIPBLK1	1:1	1	.0168		
1119	SAM	740260	PBW	1:1	1	.0369		
1121	SAM	LCSW739900	LCSW	1:1	1	2.968		R
		Comment: LCS is not required to be reported						
1123	SAM	739915	MW-9	1:1	1	.0269		
1126	CCV	Ck2CCV			1	4.974	99.48	
1128	CCB	Ck1ICB\CCB			1	.0020		
1130	SAM	739898	MW-9D	1:1	1	.0418		
1133	SAM	739897	MW-9S	1:1	1	1.059		

INORGANIC SDG 10593M

Mercury Analysis Report for File JH718.PRN

Starting Date: 07-18-1995

Time	Sam. Type	Lab ID----	Client ID----------		Dil.---	Conc/Abs	%R----	Status Flags
1135	SAM	739890	TRIPBLK2	1:1	1	.0417		
1137	SAM	739893	MW-2	1:1	1	.0304		
1140	SAM	739901	MW-4	1:1	1	.0368		
1142	SAM	739905	MW-5	1:1	1	.0477		
1144	SAM	739908	MW-12	1:1	1	.0456		
1147	SAM	739911	MW-14	1:1	1	.0283		
1149	SAM	739917	MW-16	1:1	1	.0381		
1151	SAM	739920	MW-18	1:1	1	.0462		
1154	CCV	Ck2CCV			1	4.797	95.94	
1156	CCB	Ck1ICB\CCB			1	.0021		
1158	SAM	739922	MW-9SD	1:1	1	.0261		
1201	SAM	740261	PBW	1:1	1	.0357		
1203	SAM	LCSW739969	LCSW	1:1	1	3.484		R
		Comment: LCS is not required to be reported						
1206	SAM	739966	S-1	1:1	1	.0323		
1208	SAM	739968	S-1D	1:1	1	.0226		
1210	SAM	739967	S-1S	1:1	1	1.022		
1213	SAM	739971	S-2	1:1	1	.0306		
1215	SAM	739973	S-3	1:1	1	.0300		
1217	SAM	739975	S-4	1:1	1	.0370		
1220	SAM	739977	S-5	1:1	1	.0414		
1222	CCV	Ck2CCV			1	4.756	95.12	
1225	CCB	Ck1ICB\CCB			1	-.0007		
1227	SAM	739678	PBW	1:1	1	.0392		
1229	SAM	LCSW739679	LCSW	1:1	1	3.078		R
		Comment: LCS is not required to be reported						
1232	SAM	737285	C#3100-MW-021:1		1	.0143		
1234	SAM	737264	C#3100-MW-021:1		1	.0396		
1236	SAM	737263	C#3100-MW-021:1		1	1.125		
1239	SAM	737262	C#3100-MW02D1:1		1	.0465		
1241	SAM	737294	C#3100-MW-041:1		1	.0359		
1244	SAM	739681	PBW	1:1	1	.0399		
1246	SAM	LCSW739682	LCSW	1:1	1	3.128		R
		Comment: LCS is not required to be reported						
1248	SAM	737305	C#ST06-MW-041:1		1	.0368		
1251	CCV	Ck2CCV			1	4.542	90.84	
1253	CCB	Ck1ICB\CCB			1	.0073		
1256	SAM	737315	C#ST06-MW-041:1		1	.0502		
1258	SAM	737314	C#ST06-MW-041:1		1	1.052		
1300	SAM	738270	C#ST06-1-9	1:1	1	.0454		
1303	SAM	738276	C#ST06-1-9	1:1	1	.0569		
1305	SAM	738292	C#ST06-MW	1:1	1	.0493		
1308	SAM	738308	C#ST06-1-9	1:1	1	.0313		
1310	SAM	738592	C#ST06-1-92	1:1	1	.0338		
1313	SAM	738599	C#ST06-1-96	1:1	1	.0284		
1315	SAM	123123	INSERT	1:1	1	.0207		R
		Comment: INSERT not used						
1317	SAM	123123	INSERT	1:1	1	.0152		R
		Comment: INSERT not used						
1320	CCV	Ck2CCV			1	4.577	91.54	
1322	CCB	Ck1ICB\CCB			1	.0103		
1325	SAM	123123	INSERT	1:1	1	.0127		*R
		Comment: INSERT not used						

JDH 7-18-95

Standards / QC Preparation Log for Cold Vapor Mercury

Item to be prepared	Preparation instructions	Prepared by	Date
Hg Stock Solution (10 ppm)	Place the following in a 100-ml volumetric flask: • 1.0 ml of Hg *PLHG4-2X (Ref. #: 7M2-180-5) • 5.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade Ref., #: 7M2-192-3) Dilute to 100 ml with deionized water. Prepare as needed.	MUC	5-18-95
Hg standard solution (100 ppb)	Place the following in a 100-ml volumetric flask: • 1.0 ml of 10-ppm Hg stock solution • 5.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade Ref., #: ~~7M2-194-1~~ 7M2-180-5 SDH 7-18-95) Dilute to 100 ml with deionized water. Prepare as needed.	~~PK~~ SDH 7-18-95 LL	SDH 7-18-95 ~~7-7-95~~ 7-14-95
5% Potassium permanganate solution	Place into a 1000-ml Erlenmeyer flask: • 50.0 g of $KMnO_4$ (Baker Analyzed, Ref#: 7M2-171-4) Dilute to 1000 ml with deionized water. Transfer to a 2500-ml amber bottle. Prepare as needed.	LL	7-13-95
5% Potassium persulfate solution	Place into a 1000-ml Erlenmeyer flask: • 50.0 g of $K_2S_2O_8$ (Baker Analyzed, Ref#: 7M2-171-10 ~~7M2-176-8~~ SDH 7-18-95) Dilute to 1000-ml with deionized water. Transfer to 1250-ml amber bottle. Prepare as needed.	LL	7-13-95
Hydroxylamine hydrochloride	Place into a 1000-ml volumetric flask: • 240.0 g of NH_2OH-HCl (Baker Analyzed, Ref#: 7M2-192-15) Dilute to 1000 ml with deionized water. Place solution in a bottle. Prepare as needed. (This can be prepared at 500 ml using 120.0 g of NH_2OH-HCl.)	SDH	7-12-95

*SPEX concentration: 1000 ppm

Reviewed by: C Wilson Date: 7-18-95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 2 of 4)

Item to be prepared	Preparation Instructions	Prepared by	Date
Stannous chloride	**Automated** Place in a 250-ml fleaker: • 25.0 g of $SnCl_2$-$2H_2O$ (Baker Analyzed, Ref#: 7M2-193-13) • 62.5 ml of HCl (Baker Analyzed, Ref#: 7M2-196-12) Dilute to 250 ml with deionized water. Prepare as needed. **Manual** JD11 7-18-95 Place in a 250-ml fleaker: • 50.0 g of $SnCl_2$-$2H_2O$ (Baker Analyzed, Ref#: _____) • 50.0 ml of HCl (Baker Analyzed, Ref#: _____) Dilute to 500 ml with deionized water. Prepare as needed.	JD11	7-17-95
Standard (0, 0.5, 1.0, 3.0, 5.0, 10.0)	Pipet into 250-ml fleakers: • 0, 0.5, 1.0, 3.0, 5.0, 10.0 ml of Hg standard solution. Dilute each fleaker to 100 ml with deionized water. Add: • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: 7M2-194-4). • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-194-1). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution. All standards are digested with samples and recorded on the appropriate logs submitted with this data. Prepare with each batch of samples.	MWC	7-17-95
LCS (water)	Place in a 250-ml fleaker: • 3.0 ml of 100-ppb Hg standard solution • 100 ml of deionized water • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: 7M2-194-4) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-192-13). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Prepare with each batch of samples.	See preparation worksheet.	Page: 4183, 4189, 4190, 4200, 4201, 4203, 4204

Reviewed by: C Wilson Date: 7-18-95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 3 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
LCS (soil)	Place in a 250-ml fleaker: • 0.2 g of EPA Reference Material Solid LCS (0827) (Ref#: NA) • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: NA) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Add 50 ml of deionized water. Prepare with each batch of samples.	See preparation worksheet.	Page: NA
Sample Spike (water)	Place in a 250-ml fleaker: • 1.0 ml of 100-ppb Hg standard solution • 100 ml of sample • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: 7M2-194-4) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-192-13). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Prepare with each batch of samples.	See preparation worksheet.	Page: 4183, 4189, 4190, 4200, 4201, 4203, 4204
Sample spike (soil)	Place in a 250-ml fleaker: • 1.0 ml of 100-ppb Hg standard solution • 0.2 g of sample • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: NA) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Add 50 ml of deionized water. Prepare with each batch of samples.	See preparation worksheet.	Page: NA
ICV-5 Solution	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-192-13). Add to flask: • 1.0 ml of ICV-5 (Ref#: 7M2-182-17) Bring up to volume with deionized water.	MWC	7-17-95

Reviewed by: C Wilson **Date:** 7-18-95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 4 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
CRA Solution	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7m2-192-13). Add to flask: • 0.2 ml of 100-ppb Hg standard solution Bring up to volume with deionized water.	MWC	7-17-95
Dissolved standard (0, 0.5, 1.0, 3.0, 5.0, 10.0)	Pipet into 100-ml volumetric flask: • 0, 0.5, 1.0, 3.0, 5.0, 10.0 of Hg standard solution Dilute each flask to 100 ml with deionized Add: • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA
Dissolved LCS (water)	Pipet into 100-ml volumetric flask: • 3.0 ml of 100-ppb Hg standard solution Add deionized water to volume. Add sample to volume • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA
Dissolved Sample Spike (water)	Pipet into 100-ml volumetric flask: • 1.0 ml of 100-ppb Hg standard solution Add deionized water to volume. Add sample to volume • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA

Reviewed by: C Wilson **Date:** 7-18-95

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INORGANIC SDG 10593M

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INORGANIC SDG 10593M

COMPUCHEM ENVI. CORP. LOGBOOK 1 D 33

CLP SW846: 3005 (dissolved) 3050 Prepared by P King Date 7-17-95

SDG No. 10593 Procedure Code -02

	CCN (Lab ID)	Customer ID	Date Rec'd	Initial Plasma (wt/vol)	Final Plasma (vol)	Initial Furnace (wt/vol)	Final Furnace (vol)	Description Before	Description After	pH	Dilution Factor
1	739966	S-1	7-13-95	100mL	100mL	NA	NA	Colorless clear	Colorless clear	12	NA
2	739971	S-2						Colorless cloudy	yellow clear		
3	739973	S-3						Colorless clear	Colorless clear		
4	739975	S-4						Colorless cloudy	yellow clear		
5	739977	S-5						brown cloudy			
6											
7											
8											
9											
10						P King 7-17-95					
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	Sample Spike: 739967	QC		100mL	100mL	NA	NA	REF CCN:(739966)		QC 1.0mL x 1-19-7/100mL	
22	Duplicate Sample 739968	F Refs						REF CCN:(739966)		P Ref#: 7M2-181-4	
23	Lab Ctrl Sample: 739969	QC NA						Reviewed By:		QC 10mL PE Rinse 7/100mL	
24	Prep. Blank 740061	F Refs						Date: 7/18/95 Time:		P Ref#: 7M2-194-7	

Mercury Preparation Log

Method (Circle one.): (CLP 245.1/.5) SW846: 7470/7471 Prepared by P King Date 7-17-95

Case type: Plat SDG ID. 10593 Procedure Code 10593 HG-7-17-95

#	CCN (Lab ID)	Customer ID	Date Rec'd	Initial (wt/vol)	Final (vol)	Description Before	Description After	pH	Dilution Factor	Standard Curve
1	739966	S-1	7-13-95	100mL	100mL	Colorless Clear	Violet	~2	NA	0 ml 100 ppb Hg to 100 ml
2	739971	S-2				Colorless Cloudy				0.5 ml 100 ppb Hg to 100 ml
3	739973	S-3				Colorless Clear				1.0 ml 100 ppb Hg to 100 ml
4	739975	S-4				Colorless Cloudy				3.0 ml 100 ppb Hg to 100 ml
5	739977	S-5				brown Cloudy				5.0 ml 100 ppb Hg to 100 ml
6										10.0 ml 100 ppb to 100 ml
7										ICV-5:
8										1.0 ml of ICV-5 to 100 ml
9										The standards listed above were prepared in the same manner and at the same time as the associated samples.
10										
11					P King 7-17-95					
12										
13										Time started: 23:00
14										Time finished: 24:00
15										Temperature of water bath:
16										95 °C
17										
18										NA
19										
20										
21	739967	NA	Sample Spike	100mL	100mL	Colorless Clear	Ref CCN: 739966			QC (SS): 1.0mL 100ppb Hg->100mL
22	739968		Duplicate Sample				Ref CCN: 739966			Ref#: 7M2-180-5
23	739969		Lab Ctrl Sample				Reviewed by: Lynn Leather			QC (LCS): 3.0mL 100ppb Hg->100mL 7M2-180-5
24	740761		Prep. Blank				Date: 7/18/95			Ref#:

CHAIN OF CUSTODY RECORD #3105.9 SDG-3

Laboratory: CompuChem Environmental Corp. 3308 Chapel Hill / Nelson Hwy. Research Triangle Park, NC 27709-4998 (919) 486-1608 FAX (919) 486-1686 Attn: Kathy Dover

Client: Watauga County, NC
Attn: Mr. Jim Ratchford
Address: P.O. Box 143
Boone, NC 28607
Phone: (704) 265-8003 Fax:(704) 265-8003

Consultant: Draper Aden Assoc.
Attn: Janet M. Cleary
2206 South Main Street
Blacksburg, Virginia 24060
Phone: (703) 552-0444 Fax: (703) 552-0291

Sample Site: Watauga County Landfill
Location: Watauga County, NC
Event: 1st Semi-annual Assessment Monitoring
JN: 6520-21 Lab JN:

Project Specific (PS) or Batch (B) QC: PS
Sampling for Project Complete? X Yes ___ No (See Note 1)
Carrier: Federal Express
Tracking No.: HKYA76

Box 1: Matrix
SW. Surface Water
GW. Groundwater
L. Leachate
S. Soil
T. Trip Blank
E. Equipment Blank
P. Product
O. Other

Box 2: Preservative
A. HCl
B. HNO_3
C. H_2SO_4
D. $Na_2S_2O_3$
E. NaOH
F. ZnAc
G. Other (specify)
H. None

Box 3: Filtered/Unfiltered
F. Filtered
U. Unfiltered

Box 4: Sample Type
C. Composite
G. Grab

Copy to Consultant: X Yes ___ No
Bill: X Client ___ Consultant
Preserved and shipped on ice: X Yes ___ No

Sample I.D.	Date 1995	Time	Box 1 Matrix	Box 2 Preservative	Box 3 Filtered/Unfiltered	Box 4 Sample Type	pH	Use as Lab QC (MS/MSD/SD)	Total No. of Bottles	Analytical Method (Assessment): CLP VOLATILES	CLP TOTAL METALS	CLP 9010A CYANIDE	Special Instructions/Comments
S-1	7/11	1420	SW	B	U	G	<2		1		X		SEE ATTACHED PARAMETER LISTS 1. CLP volatiles collected in 40 ml amber glass bottles. 2. CLP metals and cyanide samples collected in white plastic bottles. 3. Sample are collected from Boundary Wells. These samples will be analyzed for the Form 4 CLP metals (Ba, Cd, Fe, and Hg - totals only). All other samples from MW's 1,2,3,4,6,7,8,9,10,11,12,17 and 1A shall be analyzed for the entire attached Table 2 CLP metals parameters.
S-1	7/11	1420	SW	A	U	G	<2		2	X			
S-2	7/11	1430	SW	B	U	G	<2		1		X		
S-2	7/11	1430	SW	A	U	G	<2		2	X			
S-3	7/11	1405	SW	B	U	G	<2		1		X		
S-3	7/11	1405	SW	A	U	G	<2		2	X			
S-4	7/11	1510	SW	B	U	G	<2		1		X		
S-4	7/11	1510	SW	A	U	G	<2		2	X			
S-5	7/11	1445	SW	B	U	G	<2		1		X		
S-5	7/11	1445	SW	A	U	G	<2		2	X			

Client's Special Instructions: Surface water samples: CLP metals (Ba, Hg, Fe, Cd - totals only), CLP VOA's CLP VOA list + dichlorodifluoromethane + TIC analysis

Received in Good Condition? ___Yes ___No Custody Seal Intact? ___Yes ___No Temp. on arrival_____ Received on Ice _____ Describe problems, if any:

Sampler Name (print): Gary DiTaranto	Date: 7-12-95	#1 Relinquished By (Sig.):	Date: 7/12/95	#2 Relinquished By (Sig.):	Date:	Sample Storage Time Requested:
Sampler Signature:	Time: 1300	Company Name: DAA	Time: 1445	Company Name:	Time:	6 mo. metals (Hg-Days)
Sampler Name (print): Jeff Peck	Date: 7-12-95	#1 Received By (Sig.):	Date: 7-12-95	#2 Received By (Sig.):	Date: 7-13-95	30 days VOAs
Sampler Signature:	Time: 1300	Company Name: Watauga County	Time: 2:15pm	Company Name: CompuChem	Time: 7:45am	

If "No" lab to hold samples to await remainder of project maximizing batch size and minimizing QC ratio. If "Yes", lab to begin processing.
Always mail invoice and results to consultant.

RECEIVED IN GOOD CONDITION on 7/13/1995 7:45am

Page 110

INORGANIC SDG 10593M

END OF REPORT

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

Ms. Janet M. Cleary
DRAPER ADEN ASSOCIATES
2206 South Main Street
Blacksburg, VA 24060

RE: Inquiry on Inorganic Data Package:
Case # 50067 / SDGs # 10591M & 10592M

Dear Ms. Cleary,

This is in response to your inquiry about the above data packages.

1. For SDG# 10591M, the samples have been reprepared. The sample was reanalyzed for the serial dilution, and this result confirmed that the samples were inside control limits for nickel.

2. For both SDG, the samples have been reprepared and reanalyzed for thallium by using Graphite Furnace Atomic Absorption (GFAA).

3. Initially, the samples were not analyzed for tin (Sn). The samples have been reprepared and reanalyzed for tin in the "Revision 1" data packages.

4. Since the cyanide samples were out of 12 day holding time, the samples cannot be reanalyzed by using SW-846 method. The project specification was not clear because the "TYPE" requirement was Contract Laboratory Program (CLP). The analyses were all performed using established EPA protocol and procedure (ILM03.0 SOW). We believe this should not affect the quality of data being reported (in SW-846 method 9012, the sample spike was added 40 ppb of cyanide into the sample, however, the CLP procedure required to add 100 ppb of cyanide in the sample (which the sample spike recovered 91.4 % for SDG# 10592M and 91.2 % for SDG# 10591M). Additionally, 20 ppb calibration standard was required to distilled and analyzed in the SW-846, however, the mid-range calibration standard was distilled and analyzed for these data packages). In the future, the cyanide samples will be analyzed by using SW-846 method 9012 (method 9010A cannot be perform in the lab).

5. The Form 1s have been modified for samples, MW5, 13, 14, 15, 16, and 18. Only barium, cadmium, iron, and mercury were reported on Form 1s.

6. The additional number of parameter was reported for the core well (MW 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, and 17), therefore, we have modified Form 1s and are resubmitting Form 1s.

Each SDG contained the new reports, and these data packages were noted as "REVISION 1" and/or "AMENDED DATA".

Enclosed please find our amendment presented on all the forms and the raw data to the results we previously reported on SDGs: 10591M and 10592M. A copy of data inquiry has been submitted with this response.

We apologize for any inconvenience the errors might have caused. If I can be of further assistance, please contact me at (919) 406-2410.

Sincerely,

Ann K. Lim
Final Technical Reviewer
September 21, 1995

Attachment

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

Ms. Janet M. Cleary
DRAPER ADEN ASSOCIATES
2206 South Main Street
Blacksburg, VA 24060

RE: Inquiry on Inorganic Data Package:
Case # 50067 / SDGs # 10591M & 10592M

Dear Ms. Cleary,

This is in response to your inquiry concerning the missing iron results on samples, MW-1, MW-1SD, MW-6, MW-3, MW-8, MW-11, MW-10, MW-17 for SDG # 10591M and MW-2, MW-4, MW-12, MW-9, MW-9SD for SDG# 10592M.

Each SDG contained the new Form 1s, and these Form 1s were noted as "REVISION 2" for the ones that have been revised.

Enclosed please find our amendment presented on Form 1s to the results we previously reported on SDGs: 10591M and 10592M. Since the sample-spike (Form 5A) and the duplicate (Form 6) were reported the iron results initially, no correction was made for these forms.

If you need further assistance, please contact Cathy Dover at (919) 406-1627.

Sincerely,

Ann K. Lim
Final Technical Reviewer
October 3, 1995

Attachment

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

INORGANIC CASE SUMMARY NARRATIVE
CASE # 50067 SDG # 10591M
CONTRACT # ILM03.0

The indicated Sample Delivery Group (SDG) consisting of twelve water samples was received into the laboratory management system (LMS) on July 13, 1995 intact and in good condition with Chain of Custody (COC) Records in order, with the following exception: samples MW-1 and MW-1SD were not preserved correctly, instructions were given to preserve in-house, refer to the enclosed quality assurance notice. The samples were analyzed, in accordance with EPA CLP Statement of Work (SOW) ILM03.0; eight for the appendix nine metals plus iron and cyanide; one for the appendix nine metals plus cyanide; one for appendix nine metals only, and two for barium, cadmium, iron, and mercury only. Sample MW-1 was used for matrix QC. Iron was analyzed although it was not requested for this sample it was requested for other samples in this SDG, and is reported on the Forms 5&6.

SAMPLE IDs:

The following customer IDs are associated with this SDG:

MW-1, MW-1D, MW-1A, MW-1SD, MW-10, MW-11, MW-13, MW-15, MW-17, MW-3, MW-6, MW-8, TRIPBLK1

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, CCB) and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within EPA CLP allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCS & PB) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, MW-1S, was found to be inside control limits for the requested analytes.

CLP control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more; in this case affected analytes are not flagged even if recoveries fall outside percentage recovery control limits.

Post-digestion spikes are mandatory for analytes demonstrating unsatisfactory matrix spike recoveries during ICP analysis (excluding silver). The results of such spikes are presented on Form 5b.

Unsatisfactory recovery of post-digestion spikes of this type do not have bearing upon the aforementioned "N" flags, but may indicate interference during analysis &/or a solution matrix which is hostile to the analyte in question.

Satisfactory recovery of an analyte in a post-preparation spike of this type implies interference by the required preparation procedure or in the sample matrix itself. Lack of uniformity for an analyte in sediments will also result in satisfactory recovery of post-digestion spikes after failure in the related matrix spike.

The sample matrix duplicate, MW-1D, was within CLP control limits for all requested analytes.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample MW-1L was performed in accordance with CLP requirements for ICP analysis. The adjusted sample concentrations were inside CLP control limits for all requested analytes.

CLP control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-

adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

A "W" flag appears on a sample specific basis in the Form 1 for the following:

*thallium in samples MW-1, MW-10, MW-11, MW-17, MW-3, MW-6, MW-8

This qualifier flag indicates that a slight matrix related interference is present for the analyte as determined by analytical spike recovery that is outside of the 85% to 115% CLP acceptability limits in samples which exhibit relatively low concentrations of the analyte.

Release of the data contained in this hard copy data package has been authorized by the laboratory Manager or his designee, as verified by the following signature.

Jeanne Alston
Final Technical Reviewer
September 21, 1995

Amended October 3, 1995

Note: This report is paginated for reference and accountability.

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739942
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	125	B		P_
7440-41-7	Beryllium	0.43	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	1.4	B		P_
7440-48-4	Cobalt___	0.74	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron____	646			P_
7439-92-1	Lead____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	U		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	1.5	B		P_
7440-66-6	Zinc____	7.9	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Duplicate_(MW-1D)
REVISION_2

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

MW-1A

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739959
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	156	_		P_
7440-38-2	Arsenic__	132	_		P_
7440-39-3	Barium___	312	_		P_
7440-41-7	Beryllium	93.9	_		P_
7440-43-9	Cadmium__	143	_		P_
7440-47-3	Chromium_	318	_		P_
7440-48-4	Cobalt___	343	_		P_
7440-50-8	Copper___	299	_		P_
7439-89-6	Iron_____		_		NR
7439-92-1	Lead_____	377	_		P_
7439-97-6	Mercury__	1.7	_		CV
7440-02-0	Nickel___	244	_		P_
7782-49-2	Selenium_	150	_		P_
7440-22-4	Silver___	148	_		P_
7440-28-0	Thallium_	64.1	_		F_
7440-62-2	Vanadium_	204	_		P_
7440-66-6	Zinc_____	384	_		P_
_____	Cyanide__		_		NR
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1_____

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1SD

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739944
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	2.7	U		P
7440-39-3	Barium	127	B		P
7440-41-7	Beryllium	0.53	B		P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	1.8	B		P
7440-48-4	Cobalt	0.69	B		P
7440-50-8	Copper	0.50	U		P
7439-89-6	Iron	722			P
7439-92-1	Lead	1.6	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.4	U		P
7782-49-2	Selenium	3.4	U		P
7440-22-4	Silver	0.60	U		P
7440-28-0	Thallium	1.0	U		F
7440-62-2	Vanadium	1.7	B		P
7440-66-6	Zinc	8.9	B		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	5.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_2

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739956
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	103	B		P_
7440-41-7	Beryllium	0.54	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	6.3	B		P_
7440-48-4	Cobalt___	0.50	U		P_
7440-50-8	Copper___	0.78	B		P_
7439-89-6	Iron____	508			P_
7439-92-1	Lead____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	5.4	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	2.0	B		P_
7440-66-6	Zinc____	4.0	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_2_____

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739955
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	199	B		P_
7440-41-7	Beryllium	0.53	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	0.70	U		P_
7440-48-4	Cobalt___	4.7	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron____	9.7	U		P_
7439-92-1	Lead____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	U		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	0.60	U		P_
7440-66-6	Zinc____	3.7	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_2

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739954
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium	116	B		P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	3960			P
7439-92-1	Lead				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR
7440-31-5	Tin				NR

Color Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

MW-15

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739958
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium___	73.6	B		P_
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_		_		NR
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____	21.2	B		P_
7439-92-1	Lead_____		_		NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
_____	Cyanide__		_		NR
7440-31-5	Tin_____		_		NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739957
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	79.0	B		P_
7440-41-7	Beryllium	0.52	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	0.70	U		P_
7440-48-4	Cobalt___	2.1	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron____	48.5	B		P_
7439-92-1	Lead____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	0.88	B		P_
7440-66-6	Zinc____	5.6	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_2

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739946
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	94.5	B		P_
7440-41-7	Beryllium	0.67	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	5.5	B		P_
7440-48-4	Cobalt___	1.9	B		P_
7440-50-8	Copper___	6.1	B		P_
7439-89-6	Iron_____	4480			P_
7439-92-1	Lead_____	2.0	B		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	5.1	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	10.6	B		P_
7440-66-6	Zinc_____	23.8			P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739945
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	499			P_
7440-41-7	Beryllium	0.54	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	1.5	B		P_
7440-48-4	Cobalt___	19.7	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron_____	7980			P_
7439-92-1	Lead_____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	7.6	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	0.74	B		P_
7440-66-6	Zinc_____	2.2	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739950
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	70.6	B		P_
7440-41-7	Beryllium	0.58	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	2.3	B		P_
7440-48-4	Cobalt___	1.5	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron_____	455			P_
7439-92-1	Lead_____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.9	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	3.8	B		P_
7440-66-6	Zinc_____	2.8	B		P_
_____	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TRIPBLK1

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739978
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	1.5	B		P_
7440-41-7	Beryllium	0.58	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	0.70	U		P_
7440-48-4	Cobalt___	0.50	U		P_
7440-50-8	Copper___	1.1	B		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	U		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U		F_
7440-62-2	Vanadium_	0.60	U		P_
7440-66-6	Zinc_____	3.5	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1

COMPUCHEM
ENVIRONMENTAL
CORPORATION

VALIDATED

REVISION

INORGANIC CASE SUMMARY NARRATIVE
CASE # 50067 SDG # 10591M
CONTRACT # ILM03.0

The indicated Sample Delivery Group (SDG) consisting of twelve water samples was received into the laboratory management system (LMS) on July 13, 1995 intact and in good condition with Chain of Custody (COC) Records in order, with the following exception: samples MW-1 and MW-1SD were not preserved correctly, instructions were given to preserve in-house, refer to the enclosed quality assurance notice. The samples were analyzed, in accordance with EPA CLP Statement of Work (SOW) ILM03.0; nine for the appendix nine metals plus cyanide; one for appendix nine metals only, and two for barium, cadmium, iron, and mercury only. Sample MW-1 was used for matrix QC. Iron was analyzed although it was not requested for this sample it was requested for other samples in this SDG, and is reported on the Forms 5&6.

SAMPLE IDs:

The following customer IDs are associated with this SDG:

MW-1, MW-1D, MW-1A, MW-1SD, MW-10, MW-11, MW-13, MW-15, MW-17, MW-3, MW-6, MW-8, TRIPBLK1

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, CCB) and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within EPA CLP allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCS & PB) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, MW-1S, was found to be inside control limits for the requested analytes.

REVISION

CLP control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more; in this case affected analytes are not flagged even if recoveries fall outside percentage recovery control limits.

Post-digestion spikes are mandatory for analytes demonstrating unsatisfactory matrix spike recoveries during ICP analysis (excluding silver). The results of such spikes are presented on Form 5b.

Unsatisfactory recovery of post-digestion spikes of this type do not have bearing upon the aforementioned "N" flags, but may indicate interference during analysis &/or a solution matrix which is hostile to the analyte in question.

Satisfactory recovery of an analyte in a post-preparation spike of this type implies interference by the required preparation procedure or in the sample matrix itself. Lack of uniformity for an analyte in sediments will also result in satisfactory recovery of post-digestion spikes after failure in the related matrix spike.

The sample matrix duplicate, MW-1D, was within CLP control limits for all requested analytes.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample MW-1L was performed in accordance with CLP requirements for ICP analysis. The adjusted sample concentrations were inside CLP control limits for all requested analytes.

CLP control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50)

times their respective Instrument Detection Limit (IDL) in the original sample.

A "W" flag appears on a sample specific basis in the Form 1 for the following:

*thallium in samples MW-1, MW-10, MW-11, MW-17, MW-3, MW-6, MW-8

This qualifier flag indicates that a slight matrix related interference is present for the analyte as determined by analytical spike recovery that is outside of the 85% to 115% CLP acceptability limits in samples which exhibit relatively low concentrations of the analyte.

Release of the data contained in this hard copy data package has been authorized by the laboratory Manager or his designee, as verified by the following signature.

Jeanne Alston
Final Technical Reviewer
September 21, 1995

Note: This report is paginated for reference and accountability.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.:10591M

SOW No.: ILM03

EPA Sample No.	Lab Sample ID
_MW-1_____	__739942_____
_MW-1D_____	__739952_____
_MW-1D_____	__739948_____
_MW-1S_____	__739951_____
_MW-1S_____	__739947_____
_MW-1A_____	__739959_____
_MW-1SD_____	__739944_____
_MW-10_____	__739956_____
_MW-11_____	__739955_____
_MW-13_____	__739954_____
_MW-15_____	__739958_____
_MW-17_____	__739957_____
_MW-3_____	__739946_____
_MW-6_____	__739945_____
_MW-8_____	__739950_____
_TRIPBLK1_____	__739978_____
_____	_____
_____	_____
_____	_____
_____	_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:
____REVISION_1_____

I certify that this 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 hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Joanne C. Arter Jr. Name: Mark Boss

Date: September 21, 1995 Title: Inorganic Div. Manager

AMENDED DATA

COMPUCHEM
ENVIRONMENTAL
CORPORATION

(Draper)

QUALITY ASSURANCE NOTICE

CompuChem ID# TB-1
Client ID# MW-1, MW-1SD, ~~TB-3~~, + TB-3 ← to be cancelled / Do not analyze per client for VOA met CN
Case # JR 7/13/1995
Type of Analysis Metals Cyanide
Receipt Date 7-13-1995

The pH reading for the sample above was 7, 7, 11 (metals, CN); the required pH level is 2, 12 (metals, cyanide).

The Client was contacted by a member of CompuChem's Customer Service Department. The Environmental Receiving Department was instructed to:

Preserve In-House ✓ MW-1, MW-1SD
Analyze - Qualify with Notice ✓
Dispose - Client will Resample
Subcontract Lab to Preserve

CSM 7/13/95

Supervisor Signature/ID Laura Rainden /
Date 7-13-1995

QAN-R-2
940714.1

AMENDED DATA

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739942
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	2.7	U		P
7440-39-3	Barium	125	B		P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	1.4	B		P
7440-48-4	Cobalt	0.74	B		P
7440-50-8	Copper	0.50	U		P
7439-89-6	Iron	~~646~~		XCA 9-21-95 P NR	
7439-92-1	Lead	1.6	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.4	U		P
7782-49-2	Selenium	3.4	U		P
7440-22-4	Silver	0.60	U		P
7440-28-0	Thallium	1.0	U	W	F
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	7.9	B		P
	Cyanide	10.0	U		AS
7440-31-5	Tin	5.0	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Duplicate_(MW-1D)
REVISION_1

AMENDED DATA

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

M -1A

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739959
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	156	_		P_
7440-38-2	Arsenic__	132	_		P_
7440-39-3	Barium___	312	_		P_
7440-41-7	Beryllium	93.9	_		P_
7440-43-9	Cadmium__	143	_		P_
7440-47-3	Chromium_	318	_		P_
7440-48-4	Cobalt___	343	_		P_
7440-50-8	Copper___	299	_		P_
7439-89-6	Iron____		_		NR
7439-92-1	Lead____	377	_		P_
7439-97-6	Mercury__	1.7	_		CV
7440-02-0	Nickel___	244	_		P_
7782-49-2	Selenium_	150	_		P_
7440-22-4	Silver___	148	_		P_
7440-28-0	Thallium_	64.1	_		F_
7440-62-2	Vanadium_	204	_		P_
7440-66-6	Zinc____	384	_		P_
	Cyanide__		_		NR
7440-31-5	Tin_____	5.0	U		P_
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Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

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EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

MW-1SD

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739944
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	127	B		P_
7440-41-7	Beryllium	0.53	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	1.8	B		P_
7440-48-4	Cobalt___	0.69	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron____				NR
7439-92-1	Lead____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	U		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U		F_
7440-62-2	Vanadium_	1.7	B		P_
7440-66-6	Zinc____	8.9	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-10

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___ SDG No.: 10591M
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ Lab Sample ID: 739956
Matrix (soil/water): WATER Date Received: 07/13/95
Level (low/med): LOW__
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	103	B		P_
7440-41-7	Beryllium	0.54	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	6.3	B		P_
7440-48-4	Cobalt___	0.50	U		P_
7440-50-8	Copper___	0.78	B		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	5.4	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	2.0	B		P_
7440-66-6	Zinc_____	4.0	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin______	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1

AMENDED DATA

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-11

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739955
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	199	B		P_
7440-41-7	Beryllium	0.53	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	0.70	U		P_
7440-48-4	Cobalt___	4.7	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	U		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	0.60	U		P_
7440-66-6	Zinc_____	3.7	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin______	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739954
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium___	116	B		P_
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_		_		NR
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron_____	3960	_		P_
7439-92-1	Lead_____		_		NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc_____		_		NR
	Cyanide__		_		NR
7440-31-5	Tin______		_		NR
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Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-15

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739958
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___	73.6	B		P_
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____	21.2	B		P_
7439-92-1	Lead_____				NR
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc_____				NR
	Cyanide__				NR
7440-31-5	Tin_____				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-17

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739957
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	79.0	B		P_
7440-41-7	Beryllium	0.52	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	0.70	U		P_
7440-48-4	Cobalt___	2.1	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron_____		U		NR
7439-92-1	Lead_____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	0.88	B		P_
7440-66-6	Zinc_____	5.6	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin______	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739946
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	94.5	B		P_
7440-41-7	Beryllium	0.67	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	5.5	B		P_
7440-48-4	Cobalt___	1.9	B		P_
7440-50-8	Copper___	6.1	B		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	2.0	B		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	5.1	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	10.6	B		P_
7440-66-6	Zinc_____	23.8			P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-6

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739945
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	499			P_
7440-41-7	Beryllium	0.54	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	1.5	B		P_
7440-48-4	Cobalt___	19.7	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	7.6	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	0.74	B		P_
7440-66-6	Zinc_____	2.2	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin______	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-8

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739950
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	70.6	B		P_
7440-41-7	Beryllium	0.58	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	2.3	B		P_
7440-48-4	Cobalt___	1.5	B		P_
7440-50-8	Copper___	0.50	U		P_
7439-89-6	Iron____				NR
7439-92-1	Lead____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.9	B		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U	W	F_
7440-62-2	Vanadium_	3.8	B		P_
7440-66-6	Zinc____	2.8	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1

AMENDED DATA

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TRIPBLK1

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix (soil/water): WATER Lab Sample ID: 739978
Level (low/med): LOW__ Date Received: 07/13/95
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony_	1.9	U		P_
7440-38-2	Arsenic__	2.7	U		P_
7440-39-3	Barium___	1.5	B		P_
7440-41-7	Beryllium	0.58	B		P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	0.70	U		P_
7440-48-4	Cobalt___	0.50	U		P_
7440-50-8	Copper___	1.1	B		P_
7439-89-6	Iron____				NR
7439-92-1	Lead____	1.6	U		P_
7439-97-6	Mercury__	0.20	U		CV
7440-02-0	Nickel___	2.4	U		P_
7782-49-2	Selenium_	3.4	U		P_
7440-22-4	Silver___	0.60	U		P_
7440-28-0	Thallium_	1.0	U		F_
7440-62-2	Vanadium_	0.60	U		P_
7440-66-6	Zinc____	3.5	B		P_
	Cyanide__	10.0	U		AS
7440-31-5	Tin_____	5.0	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
REVISION_1 AMENDED DATA

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony	970.0	1044.00	107.6	1000.0	1009.00	100.9	1008.00	100.8	P
Arsenic	101.8	95.74	94.0	1000.0	1010.00	101.0	1008.00	100.8	P
Barium	2009.0	1979.00	98.5	1000.0	999.00	99.9	1023.00	102.3	P
Beryllium	476.0	483.20	101.5	1000.0	987.50	98.7	982.00	98.2	P
Cadmium	510.0	493.10	96.7	1000.0	986.00	98.6	992.80	99.3	P
Chromium	471.0	476.10	101.1	1000.0	982.60	98.3	968.80	96.9	P
Cobalt	520.0	530.80	102.1	1000.0	989.60	99.0	969.30	96.9	P
Copper	497.0	505.70	101.8	1000.0	1013.00	101.3	1015.00	101.5	P
Iron	1985.0	1947.00	98.1	2000.0	2027.00	101.3	1968.00	98.4	P
Lead	101.8	101.70	99.9	1000.0	1017.00	101.7	1013.00	101.3	P
Mercury	4.9	5.16	105.3	5.0	5.11	102.2	5.05	101.0	CV
Nickel	497.0	487.60	98.1	1000.0	991.10	99.1	1001.00	100.1	P
Selenium	101.4	95.55	94.2	1000.0	1030.00	103.0	1032.00	103.2	P
Silver	487.0	485.60	99.7	100.0	100.70	100.7	100.40	100.4	P
Thallium	39.6	40.47	102.2	30.0	30.90	103.0	30.99	103.3	F
Vanadium	492.0	495.40	100.7	1000.0	992.80	99.3	970.20	97.0	P
Zinc	3012.0	2951.00	98.0	1000.0	1030.00	103.0	1030.00	103.0	P
Cyanide	90.0	83.48	92.8	100.0	99.98	100.0	100.12	100.1	AS
Tin	1000.0	1007.00	100.7	1000.0	1020.00	102.0	1027.00	102.7	P

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

AMENDED DATA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Antimony				1000.0	1004.00	100.4	1005.00	100.5	P
Arsenic				1000.0	1003.00	100.3	1004.00	100.4	P
Barium				1000.0	1019.00	101.9	1019.00	101.9	P
Beryllium				1000.0	978.50	97.8	975.70	97.6	P
Cadmium				1000.0	991.80	99.2	991.50	99.1	P
Chromium				1000.0	963.10	96.3	956.00	95.6	P
Cobalt				1000.0	960.90	96.1	952.80	95.3	P
Copper				1000.0	1012.00	101.2	1009.00	100.9	P
Iron				2000.0	1959.00	97.9	1925.00	96.2	P
Lead				1000.0	1011.00	101.1	1005.00	100.5	P
Mercury				5.0	5.01	100.2	4.97	99.4	CV
Nickel				1000.0	1002.00	100.2	1001.00	100.1	P
Selenium				1000.0	1029.00	102.9	1033.00	103.3	P
Silver				100.0	100.30	100.3	99.84	99.8	P
Thallium				30.0	30.80	102.7	31.71	105.7	F
Vanadium				1000.0	960.40	96.0	952.10	95.2	P
Zinc				1000.0	1028.00	102.8	1027.00	102.7	P
Cyanide				100.0	100.69	100.7	100.56	100.6	AS
Tin				1000.0	1023.00	102.3	1027.00	102.7	P

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

AMENDED DATA

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Antimony				1000.0	1004.00	100.4	1006.00	100.6	P
Arsenic				1000.0	1002.00	100.2	1001.00	100.1	P
Barium				1000.0	1015.00	101.5	1011.00	101.1	P
Beryllium				1000.0	974.90	97.5	975.30	97.5	P
Cadmium				1000.0	990.60	99.1	989.40	98.9	P
Chromium				1000.0	955.00	95.5	954.00	95.4	P
Cobalt				1000.0	950.80	95.1	951.00	95.1	P
Copper				1000.0	1014.00	101.4	1016.00	101.6	P
Iron				2000.0	1907.00	95.3	1951.00	97.5	P
Lead				1000.0	1004.00	100.4	1004.00	100.4	P
Mercury				5.0	4.80	96.0	4.76	95.2	CV
Nickel				1000.0	999.60	100.0	998.00	99.8	P
Selenium				1000.0	1032.00	103.2	1033.00	103.3	P
Silver				100.0	100.40	100.4	100.10	100.1	P
Thallium				30.0	32.55	108.5	31.69	105.6	F
Vanadium				1000.0	950.70	95.1	950.60	95.1	P
Zinc				1000.0	1026.00	102.6	1026.00	102.6	P
Cyanide				100.0	100.35	100.3	99.00	99.0	AS
Tin				1000.0	1022.00	102.2			P

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

AMENDED DATA

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony_									NR
Arsenic__									NR
Barium___									NR
Beryllium									NR
Cadmium__									NR
Chromium_									NR
Cobalt___									NR
Copper___									NR
Iron_____									NR
Lead_____									NR
Mercury__				5.0	4.54	90.8	4.58	91.6	CV
Nickel___	497.0	488.90	98.4	1000.0	997.50	99.7	998.80	99.9	P_
Selenium_									NR
Silver___									NR
Thallium_				30.0	31.65	105.5	31.33	104.4	F_
Vanadium_									NR
Zinc_____									NR
Cyanide__									NR
Tin______									NR

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

AMENDED
DATA

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Mercury									NR
Nickel				1000.0	998.90	99.9	999.10	99.9	P
Selenium									NR
Silver									NR
Thallium				30.0	29.17	97.2			F
Vanadium									NR
Zinc									NR
Cyanide									NR
Tin									NR

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

AMENDED DATA

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Mercury									NR
Nickel				1000.0	996.80	99.7			P
Selenium									NR
Silver									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR
Tin									NR

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

AMENDED DATA

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

AA CRDL Standard Source: SPEX_____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				120.0	125.80	104.8	125.60	104.7
Arsenic				20.0	19.33	96.6	19.27	96.3
Barium								
Beryllium				10.0	10.30	103.0	10.54	105.4
Cadmium				10.0	10.34	103.4	10.45	104.5
Chromium				20.0	19.95	99.7	19.61	98.0
Cobalt				100.0	100.60	100.6	97.69	97.7
Copper				50.0	52.75	105.5	51.85	103.7
Iron								
Lead				6.0	5.40	90.0	4.53	75.5
Mercury	0.2	0.21	105.0					
Nickel				80.0	82.27	102.8	82.80	103.5
Selenium				10.0	8.65	86.5	9.08	90.8
Silver				20.0	20.82	104.1	20.79	103.9
Thallium	10.0	10.12	101.2					
Vanadium				100.0	101.80	101.8	97.60	97.6
Zinc				40.0	42.27	105.7	42.15	105.4
Cyanide								
Tin								

AMENDED DATA

FORM II (PART 2) - IN

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

AA CRDL Standard Source: _____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA True	Found	%R	CRDL Standard for ICP Initial True	Found	%R	Final Found	%R
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Mercury								
Nickel				80.0	80.54	100.7	80.94	101.2
Selenium								
Silver								
Thallium								
Vanadium								
Zinc								
Cyanide								
Tin				60.0	46.97	78.3	48.05	80.1

AMENDED DATA

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep-aration Blank	C	M
Antimony	1.9	U	1.9	U	1.9	U	1.9	U	1.900	U	P
Arsenic	2.7	U	2.7	U	2.7	U	2.7	U	2.700	U	P
Barium	0.2	U	0.3	B	0.3	B	0.3	B	0.200	U	P
Beryllium	0.1	U	0.5	B	0.6	B	0.7	B	0.239	B	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	P
Chromium	0.7	U	0.7	U	0.7	U	0.7	U	0.700	U	P
Cobalt	0.5	U	0.6	B	0.5	U	0.6	B	0.500	U	P
Copper	0.5	U	0.5	U	-0.9	B	-0.9	B	-0.730	B	P
Iron	9.7	U	9.7	U	9.7	U	9.7	U	9.700	U	P
Lead	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	2.400	U	P
Selenium	3.4	U	3.4	U	3.4	U	3.4	U	3.400	U	P
Silver	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Thallium	1.0	U	1.0	U	1.0	U	1.0	U	1.000	U	F
Vanadium	0.6	U	0.6	U	0.6	U	0.6	U	0.600	U	P
Zinc	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	AS
Tin	5.0	U	5.0	U	5.0	U	5.0	U	5.000	U	P

AMENDED DATA

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prep-aration Blank	C	M
Antimony			2.0	B	1.9	U	1.9	U			P
Arsenic			2.7	U	2.7	U	2.7	U			P
Barium			0.4	B	0.2	U	0.2	U			P
Beryllium			0.7	B	0.7	B	0.7	B			P
Cadmium			0.5	U	0.5	U	0.5	U			P
Chromium			0.7	U	0.7	U	0.7	U			P
Cobalt			0.5	U	0.5	U	0.5	U			P
Copper			-1.1	B	-1.1	B	-1.4	B			P
Iron			9.7	U	9.7	U	9.7	U			P
Lead			1.6	U	1.6	U	-1.7	B			P
Mercury			0.2	U	0.2	U	0.2	U			CV
Nickel			2.4	U	2.4	U	2.4	U	2.400	U	P
Selenium			3.4	U	3.4	U	3.4	U			P
Silver			0.6	U	0.6	U	0.6	U			P
Thallium			1.0	U	1.0	U	1.0	U			F
Vanadium			0.6	U	0.6	U	0.6	U			P
Zinc			1.2	U	1.2	U	1.2	U			P
Cyanide			10.0	U	10.0	U	10.0	U			AS
Tin			5.0	U	5.0	U					P

AMENDED DATA

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

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) 1	C	2	C	3	C	Prep. Blank	C	M
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Mercury			0.2	U	0.2	U					CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U			P
Selenium											NR
Silver											NR
Thallium			1.0	U	1.0	U	1.0	U			F
Vanadium											NR
Zinc											NR
Cyanide											NR
Tin											NR

AMENDED DATA

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

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) 1	C	2	C	3	C	Prep-aration Blank	C	M
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Mercury											NR
Nickel			2.4	U	2.4	U					P
Selenium											NR
Silver											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR
Tin											NR

AMENDED DATA

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No: _____ SDG No.: 10591M

ICP ID Number: ICP3_____ ICS Source: ICF_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Antimony	0	0	9	6.1		4	3.6	
Arsenic	0	0	-1	-0.9		0	-1.5	
Barium	0	485	1	527.0	108.7	1	530.4	109.4
Beryllium	0	477	0	508.8	106.7	1	503.4	105.5
Cadmium	0	899	2	960.0	106.8	2	965.8	107.4
Chromium	21	468	27	511.5	109.3	26	500.8	107.0
Cobalt	0	474	-2	520.4	109.8	-2	502.8	106.1
Copper	0	507	4	558.4	110.1	3	556.2	109.7
Iron	190704	191319	199700	199900.0	104.5	193100	194000.0	101.4
Lead	0	4535	14	5118.0	112.9	14	5075.0	111.9
Mercury								
Nickel	0	882	2	962.8	109.2	3	970.0	110.0
Selenium	0	0	-3	1.8		-1	-3.6	
Silver	0	889	0	1010.0	113.6	0	1013.0	113.9
Thallium								
Vanadium	0	465	5	509.9	109.7	9	495.9	106.6
Zinc	0	941	-11	1053.0	111.9	-10	1056.0	112.2
Cyanide								
Tin								

AMENDED DATA

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No: _____ SDG No.: 10591M

ICP ID Number: ICP3_____ ICS Source: ICF_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Mercury								
Nickel	0	882	3	936.2	106.1	3	936.6	106.2
Selenium								
Silver								
Thallium								
Vanadium								
Zinc								
Cyanide								
Tin	0	1000	-6	1026.0	102.6	-3	1030.0	103.0

AMENDED DATA

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: COMPUCHEM_ENV._CORP._____ Contract:ILM03.0___ | MW-1S ___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
Matrix: __WATER_____ Level (low/med): _LOW____
% Solids for Sample: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	509.3000		1.9000	U	500.00	101.9		P
Arsenic	75-125	1962.0000		2.7000	U	2000.00	98.1		P
Barium	75-125	2128.0000		125.5000	B	2000.00	100.1		P
Beryllium	75-125	49.9200		0.4330	B	50.00	99.0		P
Cadmium	75-125	51.1400		0.5000	U	50.00	102.3		P
Chromium	75-125	196.9000		1.3780	B	200.00	97.8		P
Cobalt	75-125	481.2000		0.7360	B	500.00	96.1		P
Copper	75-125	252.4000		0.5000	U	250.00	101.0		P
Iron	75-125	1670.0000		646.0000		1000.00	102.4		P
Lead	75-125	499.3000		1.6000	U	500.00	99.9		P
Mercury	75-125	0.9980		0.2000	U	1.00	99.8		CV
Nickel	75-125	513.1000		2.4000	U	500.00	102.6		P
Selenium	75-125	1999.0000		3.4000	U	2000.00	99.9		P
Silver	75-125	50.4900		0.6000	U	50.00	101.0		P
Thallium	75-125	44.1900		3.0000	U	50.00	88.4		F
Vanadium	75-125	485.9000		1.5220	B	500.00	96.9		P
Zinc	75-125	520.1000		7.9390	B	500.00	102.4		P
Cyanide									NR
Tin	75-125	972.3000		5.0000	U	1000.00	97.2		P

Comments:

AMENDED DATA

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-1S

Lab Name: COMPUCHEM_ENV._CORP._____ Contract:ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Matrix: __WATER_____ Level (low/med): _LOW____

% Solids for Sample: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	75-125	91.2230		10.0000	U	100.00	91.2		AS
Tin									NR

Comments:

AMENDED DATA

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___ | MW-1A ___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Matrix: ____WATER_____ Level (low/med): LOW_____

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Mercury									NR
Nickel									NR
Selenium									NR
Silver									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR
Tin									NR

Comments:

AMENDED DATA

6
DUPLICATES

EPA SAMPLE NO.
MW-1D

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony		1.9000	U	1.9000	U			P
Arsenic		2.7000	U	2.7000	U			P
Barium		125.5000	B	125.5000	B	0.0		P
Beryllium		0.4330	B	0.4460	B	3.0		P
Cadmium		0.5000	U	0.5000	U			P
Chromium		1.3780	B	1.2070	B	13.2		P
Cobalt		0.7360	B	0.6090	B	18.9		P
Copper		0.5000	U	0.5000	U			P
Iron		646.0000		657.6000		1.8		P
Lead		1.6000	U	1.6000	U			P
Mercury		0.2000	U	0.2000	U			CV
Nickel		2.4000	U	2.4820	B	200.0		P
Selenium		3.4000	U	3.4000	U			P
Silver		0.6000	U	0.6000	U			P
Thallium		3.0000	U	3.0000	U			F
Vanadium		1.5220	B	1.3680	B	10.7		P
Zinc		7.9390	B	8.0800	B	1.8		P
Cyanide								NR
Tin		5.0000	U	5.0000	U			P

AMENDED DATA

6
DUPLICATES

EPA SAMPLE NO.

MW-1D

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Matrix (soil/water): WATER Level (low/med): _LOW__

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Mercury								NR
Nickel								NR
Selenium								NR
Silver								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide		10.0000	U	10.0000	U			AS
Tin								NR

AMENDED DATA

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Solid LCS Source: _____

Aqueous LCS Source: PELMER_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony	6000.0	6128.00	102.1						
Arsenic	1000.0	1008.00	100.8						
Barium	20000.0	19180.00	95.9						
Beryllium	500.0	486.40	97.3						
Cadmium	500.0	485.30	97.1						
Chromium	1000.0	956.20	95.6						
Cobalt	5000.0	4732.00	94.6						
Copper	2500.0	2450.00	98.0						
Iron	10000.0	9617.00	96.2						
Lead	300.0	288.50	96.2						
Mercury									
Nickel	4000.0	3914.00	97.8						
Selenium	500.0	503.60	100.7						
Silver	1000.0	957.30	95.7						
Thallium									
Vanadium	5000.0	4749.00	95.0						
Zinc	2000.0	1992.00	99.6						
Cyanide									
Tin									

AMENDED DATA

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Solid LCS Source: _____

Aqueous LCS Source: PELMER_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Mercury									
Nickel	4000.0	3832.00	95.8						
Selenium									
Silver									
Thallium									
Vanadium									
Zinc									
Cyanide									
Tin	1000.0	990.50	99.0						

AMENDED DATA

7

LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Solid LCS Source: _____

Aqueous LCS Source: IVT_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Mercury									
Nickel									
Selenium									
Silver									
Thallium	20.0	20.30	101.5						
Vanadium									
Zinc									
Cyanide									
Tin									

AMENDED DATA

8

STANDARD ADDITION RESULTS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract:ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.:______ SDG No.:10591M

Concentration Units: ug/L

EPA Sample No.	An	0 ADD ABS	1 ADD		2 ADD		3 ADD		Final Conc.	r	Q
			CON	ABS	CON	ABS	CON	ABS			

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AMENDED DATA

9

ICP SERIAL DILUTION

EPA SAMPLE NO.

MW-1L

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

Matrix (soil/water): WATER Level (low/med): LOW__

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	1.90	U	9.50	U			P
Arsenic	2.70	U	13.50	U			P
Barium	125.50	B	134.15	B	6.9		P
Beryllium	0.43	B	2.90	B	574.4		P
Cadmium	0.50	U	2.50	U			P
Chromium	1.38	B	5.16	B	273.9		P
Cobalt	0.74	B	2.50	U	100.0		P
Copper	0.50	U	11.17	B			P
Iron	646.00		687.50		6.4		P
Lead	1.60	U	8.00	U			P
Mercury							NR
Nickel	2.40	U	12.00	U			P
Selenium	3.40	U	17.00	U			P
Silver	0.60	U	3.00	U			P
Thallium							NR
Vanadium	1.52	B	3.00	U	100.0		P
Zinc	7.94	B	31.49	B	296.6		P
Cyanide							NR
Tin	5.00	U	25.00	U			P

AMENDED DATA

10

Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
ICP ID Number: _____ Date: 07/15/95
Flame AA ID Number : _____
Furnace AA ID Number : A5_____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Mercury			0.2		NR
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Thallium	276.80	BS	10	1.0	F
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR
Tin			50		NR

Comments:

AMENDED DATA

10

Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
ICP ID Number: _____ Date: 07/15/95
Flame AA ID Number : V2_____
Furnace AA ID Number : _____

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10		NR
Tin			50		NR

Comments:

AMENDED DATA

10

Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___
Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M
ICP ID Number: _____ Date: 07/15/95
Flame AA ID Number : C1_____
Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Mercury			0.2		NR
Nickel			40		NR
Selenium			5		NR
Silver			10		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR
Cyanide			10	10.0	AS
Tin			50		NR

Comments:

AMENDED DATA

10

Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP. Contract: ILM03.0
Lab Code: COMPU_ Case No.: 50067 SAS No.: SDG No.: 10591M
ICP ID Number: ICP3 Date: 07/15/95
Flame AA ID Number :
Furnace AA ID Number :

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	IDL (ug/L)	M
Antimony	206.84		60	1.9	P
Arsenic	189.04		10	2.7	P
Barium	493.41		200	0.2	P
Beryllium	313.04		5	0.1	P
Cadmium	226.50		5	0.5	P
Chromium	267.72		10	0.7	P
Cobalt	228.62		50	0.5	P
Copper	324.70		25	0.5	P
Iron	271.44		100	9.7	P
Lead	220.35		3	1.6	P
Mercury			0.2		NR
Nickel	231.60		40	2.4	P
Selenium	196.03		5	3.4	P
Silver	328.07		10	0.6	P
Thallium			10		NR
Vanadium	292.40		50	0.6	P
Zinc	213.86		20	1.2	P
Cyanide			10		NR
Tin	189.99		50	5.0	P

Comments:

AMENDED DATA

11A
ICP Interelement Correction Factors (Annually)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

ICP ID Number: ICP3_____ Date: 07/15/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	BA_
Antimony_	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic__	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000000	0.0000000	0.0001513	0.0000000	0.0000000
Chromium_	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt___	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0006300
Copper___	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron____	271.44	0.0000000	0.0000000	0.0000000	-0.0002432	0.0000000
Lead____	220.35	0.0001121	0.0000000	0.0000685	0.0000000	0.0001100
Mercury__						
ckel___	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver___	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_	190.86	0.0000000	0.0000000	-0.0000506	0.0000000	-0.0011400
Vanadium_	292.40	0.0000000	0.0000000	0.0001078	0.0000000	0.0000000
Zinc____	213.86	0.0000193	0.0000000	0.0001323	0.0000274	0.0000000
Cyanide__						
Tin_____	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

AMENDED DATA

11B
ICP Interelement Correction Factors (Annually)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

ICP ID Number: ICP3_____ Date: 07/15/95

Analyte	Wavelength (nm)	Interelement Correction Factors for : BE_	CD_	CO_	CR_	CU_
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0054958	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0003158	0.0001109
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	-0.0001102	0.0000000	0.0000000
Chromium	267.72	0.0001139	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	-0.0000570	0.0000000	-0.0000502	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0003644	0.0000000	0.0650800	0.0027590	0.0000000
Lead	220.35	0.0000000	0.0000000	-0.0017486	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0001097	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	0.0000898	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0021940	0.0003371	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000433	0.0000000
Zinc	213.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0011760
Cyanide						
Tin	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

AMENDED DATA

11B
ICP Interelement Correction Factors (Annually)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

ICP ID Number: ICP3_____ Date: 07/15/95

Analyte	Wavelength (nm)	Interelement Correction Factors for : MN_	NI_	SB_	TL_	V__
Antimony_	206.84	0.0000000	-0.0009214	0.0000000	0.0000000	-0.0011605
Arsenic__	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000574
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0002281
Cadmium__	226.50	0.0000000	-0.0000494	0.0000000	0.0000000	0.0000000
Chromium_	267.72	-0.0001028	0.0000000	0.0000000	0.0000000	-0.0002169
Cobalt___	228.62	0.0000000	0.0001929	0.0000000	0.0000000	0.0000000
Copper___	324.70	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000727
Iron____	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0168900
Lead____	220.35	0.0000000	0.0002554	-0.0001508	0.0000000	0.0000527
Mercury__						
ckel___	231.60	0.0000000	0.0000000	-0.0010880	-0.0000827	0.0000000
Selenium_	196.03	0.0002291	0.0000000	-0.0000246	0.0000000	0.0000539
Silver___	328.07	0.0000738	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_	190.86	-0.0009154	0.0000000	0.0000000	0.0000000	0.0014890
Vanadium_	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc____	213.86	0.0000000	0.0039110	0.0000000	0.0000000	0.0000000
Cyanide__						
Tin_____	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

AMENDED DATA

11B
ICP Interelement Correction Factors (Annually)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

ICP ID Number: ICP3_____ Date: 07/15/95

Analyte	Wavelength (nm)	Interelement Correction Factors for : ZN_	___	___	___	___
Antimony	206.84	-0.0000631				
Arsenic	189.04	0.0000000				
Barium	493.41	0.0000000				
Beryllium	313.04	0.0000000				
Cadmium	226.50	0.0000000				
Chromium	267.72	0.0000000				
Cobalt	228.62	0.0000000				
Copper	324.70	0.0000000				
Iron	271.44	0.0000000				
Lead	220.35	0.0000000				
Mercury						
Nickel	231.60	0.0000000				
Selenium	196.03	0.0000000				
Silver	328.07	0.0000000				
Thallium	190.86	0.0000000				
Vanadium	292.40	0.0000000				
Zinc	213.86	0.0000000				
Cyanide						
Tin	189.99	0.0000000				

Comments:

AMENDED DATA

12
ICP Linear Ranges (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.: 10591M

ICP ID Number: ICP3_____ Date: 07/15/95

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Antimony	15.00	25000.0	P
Arsenic	15.00	25000.0	P
Barium	15.00	25000.0	P
Beryllium	15.00	25000.0	P
Cadmium	15.00	25000.0	P
Chromium	15.00	25000.0	P
Cobalt	15.00	25000.0	P
Copper	15.00	25000.0	P
Iron	15.00	300000.0	P
Lead	15.00	25000.0	P
Mercury			NR
Nickel	15.00	25000.0	P
Selenium	15.00	25000.0	P
Silver	15.00	2500.0	P
Thallium	15.00	25000.0	P
Vanadium	15.00	25000.0	P
Zinc	15.00	10000.0	P
Cyanide			NR
Tin	15.00	10000.0	P

Comments:

AMENDED DATA

13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067 SAS No.: _____ SDG No.:10591M

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	07/17/95		100
MW-1	07/17/95		100
MW-10	07/17/95		100
MW-11	07/17/95		100
MW-13	07/17/95		100
MW-15	07/17/95		100
MW-17	07/17/95		100
MW-1A	07/17/95		100
MW-1D	07/17/95		100
MW-1S	07/17/95		100
MW-1SD	07/17/95		100
MW-3	07/17/95		100
MW-6	07/17/95		100
MW-8	07/17/95		100
PBW	07/17/95		100
RIPBLK1	07/17/95		100

AMENDED DATA

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067 SAS No.: _____ SDG No.:10591M

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	09/14/95		100
MW-1	09/14/95		50
MW-10	09/14/95		100
MW-11	09/14/95		100
MW-17	09/14/95		100
MW-1A	09/14/95		100
MW-1D	09/14/95		50
MW-1S	09/14/95		50
MW-1SD	09/14/95		100
MW-3	09/14/95		100
MW-6	09/14/95		100
MW-8	09/14/95		100
PBW	09/14/95		100
RIPBLK1	09/14/95		100

AMENDED DATA

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067 SAS No.: _____ SDG No.:10591M

Method: F_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	09/14/95		100
MW-1	09/14/95		50
MW-10	09/14/95		100
MW-11	09/14/95		100
MW-17	09/14/95		100
MW-1A	09/14/95		100
MW-1D	09/14/95		50
MW-1S	09/14/95		50
MW-1SD	09/14/95		100
MW-3	09/14/95		100
MW-6	09/14/95		100
MW-8	09/14/95		100
PBW	09/14/95		100
RIPBLK1	09/14/95		100

AMENDED DATA

13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067 SAS No.: _____ SDG No.:10591M

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
MW-1	07/17/95		100
MW-10	07/17/95		100
MW-11	07/17/95		100
MW-13	07/17/95		100
MW-15	07/17/95		100
MW-17	07/17/95		100
MW-1A	07/17/95		100
MW-1D	07/17/95		100
MW-1S	07/17/95		100
MW-1SD	07/17/95		100
MW-3	07/17/95		100
MW-6	07/17/95		100
MW-8	07/17/95		100
PBW	07/17/95		100
RIPBLK1	07/17/95		100

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13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067 SAS No.: _____ SDG No.:10591M

Method: AS

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
MW-1	07/17/95		250
MW-10	07/17/95		250
MW-11	07/17/95		250
MW-13	07/17/95		250
MW-17	07/17/95		250
MW-1D	07/17/95		250
MW-1S	07/17/95		250
MW-1SD	07/17/95		250
MW-3	07/17/95		250
MW-6	07/17/95		250
MW-8	07/17/95		250
PBW	07/17/95		250
RIPBLK1	07/17/95		250

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 07/24/95 End Date: 07/24/95

EPA Sample No.	D/F	Time	% R	Analytes																								
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN						
S0	1.00	1336		X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	_	_	_	_	_	_	_	_
S	1.00	1341		_	_	_	_	X	X	_	X	_	X	_	X	X	X	X	_	X	_	_	_	_	_	_	_	_
S	1.00	1345		_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
S	1.00	1350		_	X	X	X	_	_	X	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
S	1.00	1354		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
S	1.00	1359		X	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV	1.00	1359		_	_	X	X	X	X	X	X	X	_	_	X	_	X	_	X	X	_	_	_	_	_	_	_	_
ICV	1.00	1404		X	X	_	_	_	_	_	_	_	X	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ICV	1.00	1410																										
CCB	1.00	1415		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
ICSA	1.00	1420		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
ICSAB	1.00	1426		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
CRI	1.00	1431		X	X	_	X	X	X	X	X	_	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
CCV	1.00	1437		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
CCB	1.00	1442		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1448																										
PBW	1.00	1453		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1459																										
LCSW	1.00	1504		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1509																										
ZZZZZZ	1.00	1515		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1520		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	5.00	1526		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1531		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1538																										
CCV	1.00	1544		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
CCB	1.00	1549		X	X	X	X	X	X	X	X	X	X	_	X	X	X	_	X	X	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1555																										
ZZZZZZ	1.00	1600		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1606		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1611		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1616		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 07/24/95 End Date: 07/24/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
ZZZZZZ	1.00	1622																									
ZZZZZZ	1.00	1628																									
ZZZZZZ	1.00	1633																									
ZZZZZZ	1.00	1638																									
ZZZZZZ	1.00	1644																									
CCV	1.00	1649		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
CCB	1.00	1655		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
ZZZZZZ	1.00	1701																									
ZZZZZZ	1.00	1706																									
ZZZZZZ	1.00	1712																									
ZZZZZZ	1.00	1717																									
ZZZZZZ	1.00	1722																									
ZZZZZZ	1.00	1728																									
ZZZZZZ	1.00	1733																									
MW-1	1.00	1739		X	X	X	X	X	X	X	X	X	X			X	X		X	X							
MW-1D	1.00	1744		X	X	X	X	X	X	X	X	X	X			X	X		X	X							
MW-1S	1.00	1750		X	X	X	X	X	X	X	X	X	X			X	X		X	X							
CCV	1.00	1755		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
CCB	1.00	1801		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
MW-1L	5.00	1806		X	X	X	X	X	X	X	X	X	X			X	X		X	X							
MW-1SD	1.00	1812		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-6	1.00	1817		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-3	1.00	1823		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-8	1.00	1828		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-13	1.00	1834				X		X				X															
MW-11	1.00	1839		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-10	1.00	1844		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-17	1.00	1850		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-15	1.00	1855				X		X				X															
CCV	1.00	1901		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
CCB	1.00	1906		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
MW-1A	1.00	1912		X	X	X	X	X	X	X	X		X			X	X		X	X							

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 07/24/95 End Date: 07/24/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
TRIPBLK1	1.00	1917		X	X	X	X	X	X	X	X		X			X	X		X	X							
MW-1A	1.00	1923																									
ZZZZZZ	1.00	1928																									
CRI	1.00	1933		X	X		X	X	X	X	X		X		X	X	X		X	X							
ICSA	1.00	1939		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
ICSAB	1.00	1944		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
CCV	1.00	1950		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							
CCB	1.00	1955		X	X	X	X	X	X	X	X	X	X		X	X	X		X	X							

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AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 09/15/95 End Date: 09/15/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN				
S0	1.00	0135													X							X				
S	1.00	0140													X											
S	1.00	0144																								
S	1.00	0149																								
S	1.00	0153																								
S	1.00	0158																				X				
ICV	1.00	0158													X											
ICV	1.00	0203																								
ICV	1.00	0208																				X				
CB	1.00	0214													X							X				
ICSA	1.00	0219													X							X				
ICSAB	1.00	0225													X							X				
CRI	1.00	0230													X							X				
CCV	1.00	0235													X							X				
CCB	1.00	0241													X							X				
PBW	1.00	0246													X							X				
LCSW	1.00	0252													X							X				
MW-1	1.00	0257													X							X				
MW-1D	1.00	0302													X							X				
MW-1S	1.00	0308													X							X				
MW-1L	5.00	0313													X							X				
MW-1SD	1.00	0319													X							X				
MW-6	1.00	0324													X							X				
MW-3	1.00	0329													X							X				
MW-8	1.00	0335													X							X				
CCV	1.00	0340													X							X				
CCB	1.00	0346													X							X				
MW-11	1.00	0351													X							X				
MW-10	1.00	0356													X							X				
MW-17	1.00	0402													X							X				
MW-1A	1.00	0407													X							X				
TRIPBLK1	1.00	0413													X							X				

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 09/15/95 End Date: 09/15/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
MW-1A	1.00	0418																									
ZZZZZZ	1.00	0423																									
ZZZZZZ	1.00	0429																									
ZZZZZZ	1.00	0434																									
ZZZZZZ	1.00	0439																									
CCV	1.00	0445													X							X					
CCB	1.00	0450													X							X					
ZZZZZZ	1.00	0456																									
ZZZZZZ	5.00	0501																									
ZZZZZZ	1.00	0506																									
ZZZZZZ	1.00	0512																									
ZZZZZZ	1.00	0518																									
ZZZZZZ	1.00	0524																									
ZZZZZZ	1.00	0529																									
ZZZZZZ	1.00	0535																									
CCV	1.00	0540													X							X					
CCB	1.00	0545													X							X					
CRI	1.00	0551													X							X					
ICSA	1.00	0559													X							X					
ICSAB	1.00	0604													X							X					
CCV	1.00	0610													X							X					
CCB	1.00	0615													X							X					

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AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: A5_____ Method: F_

Start Date: 09/18/95 End Date: 09/18/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN				
S0	1.00	1022																X								
S30	1.00	1026																X								
S10	1.00	1030																X								
S60	1.00	1033																X								
ICV	1.00	1038																X								
ICB	1.00	1042																X								
CRA	1.00	1046																X								
CCV	1.00	1050																X								
CCB	1.00	1054																X								
[illegible]	1.00	1058																X								
S30	1.00	1102																X								
CCV	1.00	1107																X								
CCB	1.00	1110																X								
PBW	1.00	1114																X								
PBWA	1.00	1118	98.2															X								
LCSW	1.00	1122																X								
LCSWA	1.00	1126	107.0															X								
MW-1	1.00	1130																X								
MW-1A	1.00	1134	80.5															X								
MW-1D	1.00	1138																X								
MW-1DA	1.00	1142	84.7															X								
MW-1S	1.00	1145																X								
ZZZZZ	1.00	1149																								
CCV	1.00	1153																X								
CCB	1.00	1157																X								
MW-1SD	1.00	1201																X								
MW-1SDA	1.00	1204	85.6															X								
MW-6	1.00	1208																X								
MW-6A	1.00	1212	68.7															X								
MW-3	1.00	1216																X								
MW-3A	1.00	1220	76.1															X								
MW-8	1.00	1224																X								

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: A5_____ Method: F_

Start Date: 09/18/95 End Date: 09/18/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
MW-8A	1.00	1228	56.3															X									
ZZZZZZ	1.00	1232																									
CCV	1.00	1236																X									
CCB	1.00	1240																X									
MW-11	1.00	1244																X									
MW-11A	1.00	1248	61.3															X									
MW-10	1.00	1251																X									
MW-10A	1.00	1255	73.7															X									
MW-17	1.00	1259																X									
MW-17A	1.00	1303	68.2															X									
MW-1A	1.00	1307																									
MW-1A	2.00	1313																X									
MW-1AA	2.00	1318	103.4															X									
CCV	1.00	1322																X									
CCB	1.00	1325																X									
TRIPBLK1	1.00	1329																X									
RIPBLK1A	1.00	1333	85.9															X									
CCV	1.00	1337																X									
CCB	1.00	1341																X									
ZZZZZZ	1.00	1346																									
ZZZZZZA	1.00	1350	103.8																								
ZZZZZZ	1.00	1354																									
ZZZZZZA	1.00	1358	109.0																								
ZZZZZZ	1.00	1402																									
ZZZZZZA	1.00	1406	72.6																								
ZZZZZZ	1.00	1409																									
ZZZZZZA	1.00	1413	71.7																								
ZZZZZZ	1.00	1417																									
CCV	1.00	1421																X									
CCB	1.00	1425																X									
ZZZZZZ	1.00	1429																									
ZZZZZZA	1.00	1433	94.7																								

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: A5_____ Method: F_

Start Date: 09/18/95 End Date: 09/18/95

EPA Sample No.	D/F	Time	% R	Analytes																								
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN						
ZZZZZZ	1.00	1437																										
ZZZZZZA	1.00	1441	72.7																									
ZZZZZZ	1.00	1444																										
ZZZZZZA	1.00	1448	84.1																									
ZZZZZZ	1.00	1452																										
ZZZZZZA	1.00	1456	71.1																									
ZZZZZZ	1.00	1500																										
CCV	1.00	1504																X										
CCB	1.00	1508																X										
ZZZZZ	1.00	1511																										
ZZZZZZA	1.00	1515	59.3																									
CCV	1.00	1519																X										
CCB	1.00	1523																X										

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																								
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN						
S0	1.00	0940												X														
S0.2	1.00	0942												X														
S0.5	1.00	0944												X														
S1	1.00	0947												X														
S5	1.00	0949												X														
S10	1.00	0952												X														
ICV	1.00	0954												X														
ICB	1.00	0957												X														
CRA	1.00	0959												X														
CRI	1.00	1001												X														
CCB	1.00	1004												X														
ZZZZZZ	1.00	1006																										
ZZZZZZ	1.00	1009																										
ZZZZZZ	1.00	1011																										
ZZZZZZ	1.00	1013																										
ZZZZZZ	1.00	1016																										
ZZZZZZ	1.00	1018																										
ZZZZZZ	1.00	1020																										
ZZZZZZ	1.00	1023																										
ZZZZZZ	1.00	1025																										
ZZZZZZ	1.00	1027																										
CCV	1.00	1030												X														
CCB	1.00	1032												X														
ZZZZZZ	1.00	1034																										
PBW	1.00	1037												X														
ZZZZZZ	1.00	1039																										
MW-1	1.00	1041												X														
MW-1D	1.00	1044												X														
MW-1S	1.00	1046												X														
MW-1SD	1.00	1048												X														
MW-6	1.00	1051												X														
MW-3	1.00	1053												X														

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
MW-8	1.00	1055												X													
CCV	1.00	1058												X													
CCB	1.00	1100												X													
MW-13	1.00	1102												X													
MW-11	1.00	1105												X													
MW-10	1.00	1107												X													
MW-17	1.00	1109												X													
MW-15	1.00	1112												X													
MW-1A	1.00	1114												X													
IPBLK1	1.00	1116												X													
ZZZZZZ	1.00	1119																									
ZZZZZZ	1.00	1121																									
ZZZZZZ	1.00	1123																									
CCV	1.00	1126												X													
CCB	1.00	1128												X													
ZZZZZZ	1.00	1130																									
ZZZZZZ	1.00	1133																									
ZZZZZZ	1.00	1135																									
ZZZZZZ	1.00	1137																									
ZZZZZZ	1.00	1140																									
ZZZZZZ	1.00	1142																									
ZZZZZZ	1.00	1144																									
ZZZZZZ	1.00	1147																									
ZZZZZZ	1.00	1149																									
ZZZZZZ	1.00	1151																									
CCV	1.00	1154												X													
CCB	1.00	1156												X													
ZZZZZZ	1.00	1158																									
ZZZZZZ	1.00	1201																									
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1206																									
ZZZZZZ	1.00	1208																									

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: V2_____ Method: CV

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
ZZZZZZ	1.00	1210																									
ZZZZZZ	1.00	1213																									
ZZZZZZ	1.00	1215																									
ZZZZZZ	1.00	1217																									
ZZZZZZ	1.00	1220																									
CCV	1.00	1222												X													
CCB	1.00	1225												X													
ZZZZZZ	1.00	1227																									
ZZZZZZ	1.00	1229																									
ZZZZZZ	1.00	1232																									
ZZZZZZ	1.00	1234																									
ZZZZZZ	1.00	1236																									
ZZZZZZ	1.00	1239																									
ZZZZZZ	1.00	1241																									
ZZZZZZ	1.00	1244																									
ZZZZZZ	1.00	1246																									
ZZZZZZ	1.00	1248																									
CCV	1.00	1251												X													
CCB	1.00	1253												X													
ZZZZZZ	1.00	1256																									
ZZZZZZ	1.00	1258																									
ZZZZZZ	1.00	1300																									
ZZZZZZ	1.00	1303																									
ZZZZZZ	1.00	1305																									
ZZZZZZ	1.00	1308																									
ZZZZZZ	1.00	1310																									
ZZZZZZ	1.00	1313																									
ZZZZZZ	1.00	1315																									
ZZZZZZ	1.00	1317																									
CCV	1.00	1320												X													
CCB	1.00	1322												X													

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: C1_____ Method: AS

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
S300	1.00	1041																			X						
S300	1.00	1042																			X						
S200	1.00	1043																			X						
S100	1.00	1044																			X						
S50	1.00	1045																			X						
S10	1.00	1046																			X						
S0	1.00	1047																			X						
S300	1.00	1048																			X						
S0	1.00	1049																			X						
[illegible]	1.00	1050																			X						
S100	1.00	1051																			X						
S100	1.00	1052																			X						
S100	1.00	1053																			X						
ICV	1.00	1054																			X						
ICB	1.00	1055																			X						
CCV	1.00	1056																			X						
CCB	1.00	1057																			X						
PBW	1.00	1058																			X						
ZZZZZZ	1.00	1059																									
MW-1	1.00	1100																			X						
MW-1SD	1.00	1101																			X						
MW-11	1.00	1102																			X						
MW-10	1.00	1103																			X						
MW-17	1.00	1104																			X						
MW-1D	1.00	1105																			X						
MW-1S	1.00	1106																			X						
ZZZZZZ	1.00	1107																									
CCV	1.00	1108																			X						
CCB	1.00	1109																			X						
MW-6	1.00	1110																			X						
MW-3	1.00	1111																			X						
MW-8	1.00	1112																			X						

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: C1_____ Method: AS

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																						
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN				
TRIPBLK1	1.00	1113																			X					
ZZZZZZ	1.00	1114																								
ZZZZZZ	1.00	1115																								
ZZZZZZ	1.00	1116																								
ZZZZZZ	1.00	1117																								
ZZZZZZ	1.00	1118																								
ZZZZZZ	1.00	1119																								
CCV	1.00	1120																			X					
CCB	1.00	1121																			X					
ZZZZZZ	1.00	1122																								
ZZZZZZ	1.00	1123																								
ZZZZZZ	1.00	1124																								
ZZZZZZ	1.00	1125																								
ZZZZZZ	1.00	1126																								
ZZZZZZ	1.00	1127																								
ZZZZZZ	1.00	1128																								
ZZZZZZ	1.00	1129																								
ZZZZZZ	1.00	1130																								
ZZZZZZ	1.00	1131																								
CCV	1.00	1132																			X					
CCB	1.00	1133																			X					
ZZZZZZ	1.00	1134																								
ZZZZZZ	1.00	1135																								
ZZZZZZ	1.00	1136																								
ZZZZZZ	1.00	1137																								
ZZZZZZ	1.00	1138																								
ZZZZZZ	1.00	1139																								
ZZZZZZ	1.00	1140																								
ZZZZZZ	1.00	1141																								
ZZZZZZ	1.00	1142																								
ZZZZZZ	1.00	1143																								
CCV	1.00	1144																			X					

AMENDED DATA

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:10591M

Instrument ID Number: C1_____ Method: AS

Start Date: 07/18/95 End Date: 07/18/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				SB	AS	BA	BE	CD	CR	CO	CU	FE	PB	HG	NI	SE	AG	TL	V	ZN	CN	SN					
CCB	1.00	1145																			X						
ZZZZZZ	1.00	1146																									
ZZZZZZ	1.00	1147																									
ZZZZZZ	1.00	1148																									
ZZZZZZ	1.00	1149																									
ZZZZZZ	1.00	1150																									
ZZZZZZ	1.00	1151																									
ZZZZZZ	1.00	1152																									
ZZZZZZ	1.00	1153																									
ZZZZZZ	1.00	1154																									
ZZZZZZ	1.00	1155																									
CCV	1.00	1156																			X						
CCB	1.00	1157																			X						

AMENDED DATA

Trace ICP Runlog (P3)

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Date: 7/24/95

Method (Circle one.):
CLP 200.7
SW-846 6010

Operator David Harris
Case Name: MAT548/1059M
File Name: DJM40724B
WSL.NAME: P372453.WSL

#	Sample ID	Comments	Action Needed
	ICV		
	ICB		
	ICSAI		
	ICSABI		
	P3CRII		
	CCV		
	CCB		
1	740431	PBW	
2	740165	PBW	
3	740565	LCSW	
4	739949	LCSW	
5	740567		
6	740564	DUP	
7	740563	SPK	
8	740567	SDI 1:5	
9	740562		
10	740566		
	CCV		
	CCB		

#	Sample ID	Comments	Action Needed
1	740568		
2	740569		
3	740570		
4	740577		
5	740578		
6	740579		
7	740580		
8	740581		
9	740582		
10	740583		
	CCV		
	CCB		
1	740584		
2	740631		
3	740632		
4	740633		
5	740634		
6	740635		
7	740636		DiL Na, Al, Zn 1:10
8	739942		
9	739948	DUP	
10	739947	SPK	
	CCV		
	CCB		

COMMENTS:

AMENDED DATA

Reviewed by

Trace ICP Runlog (P3)

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Date: 7/24/95

Method (Circle one.):
CLP 200.7
SW-846 6010

Operator David Harris
Case Name: Same
File Name:
WSL.NAME:

#	Sample ID	Comments	Action Needed
	ICV		
	ICB		
	ICSAI		
	ICSABI		
	P3CRII	DJ 7/25/95	
	CCV		
	CCB		
	739942	SDI 1:5	
2	739944		
3	739945		
4	739946		
5	739950		
6	739954		
7	739955		
8	739956		
9	739957		
10	739958		
	CCV		
	CCB		

#	Sample ID	Comments	Action Needed
1	739959		
2	739978		
3	739942	PDS2XCRDL	
4	740567	PDS2XCRDL	
5	CRI		
6	ICSA		
7	ICSAB		
8			
9		DJ 7/25/95	
10			
	CCV		
	CCB		
1			
2			
3			
4			
5	DJ 7/25/95		
6			
7			
8			
9			
10			
	CCV		
	CCB		

COMMENTS:

AMENDED DATA

Reviewed by D. Lh

Method: CLPSUE Standard: BLANK

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Avge	.0105	6.568	.1048	.6872	.0716	-.2297	-.0283
SDev	.0248	.001	.0244	.0138	.0028	.0750	.0129
%RSD	235.7	.0218	23.33	2.011	3.970	32.65	45.59
#1	.0280	6.569	.1220	.6970	.0696	-.1767	-.0375
#2	-.0070	6.567	.0875	.6774	.0736	-.2827	-.0192

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Avge	.0139	.4005	-.0107	.6886	.0342	.0037	-.0058
SDev	.0015	.0078	.0061	.3206	.0090	.0008	.0310
%RSD	11.13	1.942	56.78	46.56	26.27	20.45	530.4
#1	.0150	.3950	-.0150	.9154	.0278	.0043	.0161
#2	.0128	.4060	-.0064	.4619	.0405	.0032	-.0277

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	As1890	22031
Avge	.0706	-.0102	-.1875	.0011	-.0059	-.2293	1.331
SDev	.0606	.0038	.0396	.0000	.0008	.0769	.290
%RSD	85.87	37.45	21.11	.2519	13.11	33.53	21.76
#1	.1135	-.0128	-.1595	.0011	-.0064	-.2837	1.536
#2	.0277	-.0075	-.2155	.0011	-.0053	-.1750	1.127

Elem	22032	20681	20682	19601	19602	Sn1899	Ti3349
Avge	-.0520	-.0847	-.0171	-.2511	.3581	.0288	.0299
SDev	.1384	.1967	.0257	.0145	.0326	.0468	.8328
%RSD	266.2	232.3	150.2	5.766	9.116	162.5	2785.
#1	-.1499	-.2238	-.0353	-.2409	.3811	-.0043	.6188
#2	.0459	.0544	.0011	-.2614	.3350	.0619	-.5590

Elem	Bi2230
Avge	-.0192
SDev	.0362
%RSD	188.8
#1	.0064
#2	-.0448

AMENDED DATA

IntStd Mode	1 Counts	2 Time	3 NOTUSED	4 NOTUSED	5 NOTUSED	6 NOTUSED	7 NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	936	1000	--	--	--	--	--
SDev	2.357138	.0000000	--	--	--	--	--
%RSD	.2519081	.0000000	--	--	--	--	--
#1	934	1000	--	--	--	--	--
#2	937	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Standard: XCL-11

Elem	Ag3280	Cd2265	Cr2677	Cu3247	Ni2316	Tl1908	Zn2138
Avge	16.86	1054.	36.04	89.47	30.25	51.37	26.40
SDev	.05	2.	.08	.19	.01	.14	.03
%RSD	.2810	.1525	.2112	.2118	.0438	.2643	.1072
#1	16.89	1055.	36.10	89.34	30.26	51.47	26.42
#2	16.83	1053.	35.99	89.61	30.24	51.28	26.38

Elem	22031	22032	19601	19602
Avge	267.0	225.8	52.04	92.80
SDev	.8	.1	.28	.48
%RSD	.3174	.0657	.5369	.5212
#1	267.6	225.7	52.24	93.14
#2	266.4	226.0	51.85	92.45

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	932	1000	--	--	--	--	--
SDev	1.319999	.0000000	--	--	--	--	--
%RSD	.1416946	.0000000	--	--	--	--	--
#1	931	1000	--	--	--	--	--
#2	933	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Standard: STD3

Elem	Al3082	Ca3179	Fe2714	Mg2790
Avge	1456.	217.7	46.12	219.5
SDev	.	.8	.13	.3
%RSD	.0241	.3661	.2743	.1373
#1	1456.	217.1	46.03	219.3
#2	1455.	218.3	46.21	219.7

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	896	1000	--	--	--	--	--
SDev	.8014078	.0000000	--	--	--	--	--
%RSD	.0894483	.0000000	--	--	--	--	--
#1	897	1000	--	--	--	--	--
#2	895	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Standard: XCL-2

Elem	Ba4934	Be3130	Co2286	Mn2576	Mo2020	V_2924	As1890
Avge	461.6	1401.	152.1	49.16	206.9	13.57	159.8
SDev	.2	1.	.1	.01	.6	.02	.1
%RSD	.0354	.0983	.0451	.0300	.2778	.1107	.0733
#1	461.7	1400.	152.0	49.15	206.5	13.56	159.9
#2	461.5	1402.	152.1	49.17	207.3	13.58	159.7

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	935	1000	--	--	--	--	--
SDev	.4242900	.0000000	--	--	--	--	--
%RSD	.0453812	.0000000	--	--	--	--	--
#1	935	1000	--	--	--	--	--
#2	935	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Standard: XCL-3A

Elem	K_7664	Na3302
Avge	882.2	41.84
SDev	.6	.00
%RSD	.0637	.0082
#1	882.6	41.85
#2	881.8	41.84

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	896	1000	--	--	--	--	--
SDev	.1414300	.0000000	--	--	--	--	--
%RSD	.0157891	.0000000	--	--	--	--	--
#1	896	1000	--	--	--	--	--
#2	896	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Standard: PLSBR

Elem	20681	20682	Sn1899	Ti3349	Bi2230
Avge	156.0	106.4	17.69	138.8	220.8
SDev	.1	.1	.00	.3	.4
%RSD	.0800	.1404	.0268	.2423	.1872
#1	155.9	106.5	17.69	139.0	221.1
#2	156.1	106.3	17.70	138.5	220.5

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	934	1000	--	--	--	--	--
SDev	.3299889	.0000000	--	--	--	--	--
%RSD	.0353226	.0000000	--	--	--	--	--
#1	934	1000	--	--	--	--	--
#2	934	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Sample Name: ICV1 Operator:
Run Time: 07/24/95 13:59:12
Comment: ICV ICV1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	485.6	1930.	1979.	483.2	50260.	493.1	530.8
SDev	.9	5.	.	.5	33.	1.2	.8
%RSD	.1884	.2414	.0005	.0938	.0663	.2518	.1495
#1	486.2	1926.	1979.	482.9	50240.	492.2	531.3
#2	484.9	1933.	1979.	483.5	50290.	494.0	530.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	487.0	1956.	2009.	476.0	50710.	510.0	520.0
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	476.1	505.7	1947.	46960.	24020.	487.9	.4511
SDev	.5	1.0	.	53.	1.	.3	.0303
%RSD	.0966	.2041	.0008	.1124	.0024	.0658	6.710
#1	475.8	506.5	1947.	47000.	24020.	487.7	.4297
#2	476.4	505.0	1947.	46920.	24020.	488.2	.4725
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	471.0	497.0	1985.	49600.	24590.	491.0	
Range	10.50	10.50	10.50	10.50	10.50	10.50	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49420.	487.6	-1.709	495.4	2951.	5066.	-.8911
SDev	54.	2.3	.574	.3	1.	7.	1.1601
%RSD	.1085	.4784	33.61	.0599	.0245	.1331	130.2
#1	49460.	485.9	-1.303	495.6	2951.	5061.	-.0707
#2	49390.	489.2	-2.115	495.1	2952.	5071.	-1.711
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	48790.	497.0		492.0	3012.		
Range	10.50	10.50		10.50	10.50		

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.022	-1.419	5061.	5068.	.0627	5.986	-1.976
SDev	.656	.544	1.	11.	1.115	.427	2.432
%RSD	16.32	38.33	.0277	.2133	1779.	7.142	123.0
#1	4.486	-1.804	5062.	5060.	.8510	6.288	-.2568
#2	3.558	-1.035	5060.	5076.	-.7257	5.684	-3.696
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.3624	.4748	.1494	2.090
SDev	.5253	1.041	.4272	1.919
%RSD	145.0	219.2	285.9	91.80
#1	.0091	1.211	.4515	.7334
#2	-.7339	-.2612	-.1527	3.447
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	917	1000	--	--	--	--	--
SDev	1.131440	.0000000	--	--	--	--	--
%RSD	.1233698	.0000000	--	--	--	--	--
#1	918	1000	--	--	--	--	--
#2	916	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: ICV3 Operator:
Run Time: 07/24/95 14:04:40
[redacted]ment: ICV ICV3
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	98.40	2.297	.1647	.1453	-4.293	97.85	.3549
SDev	.36	1.712	.1055	.0068	1.406	.53	.2071
%RSD	.3668	74.53	64.04	4.693	32.75	.5385	58.35
#1	98.14	3.508	.0901	.1404	-5.288	97.47	.2085
#2	98.65	1.087	.2392	.1501	-3.299	98.22	.5014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1820	-.1573	1.094	233.0	-5.062	.0226	-.0940
SDev	.4222	.0163	3.260	17.5	1.044	.1235	.1980
%RSD	232.0	10.38	297.9	7.519	20.62	545.4	210.8
#1	-.1165	-.1689	-1.211	220.6	-5.800	-.0647	-.2340
#2	.4805	-.1458	3.399	245.4	-4.324	.1100	.0461
[redacted]rors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue							
Range							

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	175.4	.6799	94.92	.1610	2.031	101.7	95.55
SDev	118.1	.6058	1.08	.6653	.057	.1	.30
%RSD	67.35	89.10	1.140	413.1	2.821	.1393	.3172
#1	91.87	.2516	94.15	-.3094	2.071	101.6	95.34
#2	258.9	1.108	95.68	.6315	1.990	101.8	95.77
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			98.90			98.80	101.4
Range			10.50			10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1044.	95.74	104.2	100.4	1040.	1046.	91.64
SDev	4.	.91	2.1	1.3	2.	5.	.53
%RSD	.3708	.9508	2.012	1.254	.2279	.4417	.5748
#1	1041.	95.10	105.7	99.52	1038.	1043.	91.27
#2	1047.	96.39	102.7	101.3	1042.	1049.	92.02
[redacted]rors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue	970.0	101.8					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	97.49	4.553	-2.993	1.575
SDev	.19	.285	7.407	4.215
%RSD	.1963	6.262	247.5	267.6
#1	97.36	4.351	-8.231	-1.405
#2	97.63	4.754	2.245	4.556
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	932	1000	--	--	--	--	--
SDev	.3771610	.0000000	--	--	--	--	--
%RSD	.0404833	.0000000	--	--	--	--	--
#1	932	1000	--	--	--	--	--
#2	931	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: SPEXASSE Operator:
Run Time: 07/24/95 14:10:06
Comment: ICV SPEXASSE
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2433	-1.969	.0816	.0876	-11.69	.1035	-.1934
SDev	.4868	.898	.0040	.0046	.38	.1075	.5294
%RSD	200.1	45.60	4.911	5.277	3.253	103.8	273.8
#1	.1009	-1.334	.0844	.0909	-11.42	.1795	.1810
#2	-.5875	-2.604	.0787	.0844	-11.96	.0275	-.5677
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2798	-.4789	-2.776	10.43	-5.337	-.0214	1019.
SDev	.2536	.2225	7.324	11.20	4.153	.0002	.
%RSD	90.64	46.45	263.8	107.4	77.81	.7848	.0149
#1	.4591	-.3216	2.402	18.35	-2.400	-.0215	1019.
#2	.1005	-.6362	-7.955	2.512	-8.274	-.0212	1019.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value							1000.
Range							10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	92.66	.2813	.0487	-.7632	.0812	-1.001	-2.082
SDev	5.57	.5516	1.658	.3210	.0557	.741	1.177
%RSD	6.008	196.1	3404.	42.06	68.58	73.99	56.56
#1	96.59	-.1087	1.221	-.5363	.1206	-1.525	-2.914
#2	88.72	.6714	-1.123	-.9902	.0418	-.4775	-1.249
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.8466	.6386	-4.320	.6427	1.505	-2.033	-4.085
SDev	.7206	.4128	1.019	.6023	.024	1.068	1.495
%RSD	85.11	64.64	23.58	93.71	1.612	52.53	36.60
#1	-1.356	.9304	-5.041	.2168	1.488	-2.789	-5.143
#2	-.3371	.3467	-3.600	1.069	1.522	-1.278	-3.028
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-1.093	999.2	1011.	1019.
SDev	1.020	1.8	3.	2.
%RSD	93.28	.1851	.3386	.1585
#1	-1.814	1001.	1014.	1020.
#2	-.3721	997.9	1009.	1018.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	935	1000	--	--	--	--	--
SDev	1.319999	.0000000	--	--	--	--	--
%RSD	.1412297	.0000000	--	--	--	--	--
#1	934	1000	--	--	--	--	--
#2	936	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: S0 Operator:
Run Time: 07/24/95 14:15:32
[redacted]ment: ICB
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2077	-4.648	.0065	.0611	-13.02	.0535	.4044
SDev	.1007	1.247	.0163	.0010	.35	.0223	.1026
%RSD	48.49	26.84	251.6	1.659	2.662	41.69	25.38
#1	-.2789	-5.530	-.0051	.0604	-12.78	.0693	.4770
#2	-.1365	-3.766	.0181	.0618	-13.27	.0377	.3319
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2366	-.4830	2.294	2.509	-5.357	-.0217	.9959
SDev	.0839	.1907	4.915	1.114	.001	.0001	.3650
%RSD	35.48	39.48	214.3	44.39	.0233	.5734	36.65
#1	.1772	-.6179	-1.182	1.721	-5.358	-.0216	1.254
#2	.2959	-.3481	5.769	3.296	-5.356	-.0218	.7378
[redacted]rors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
[redacted]lue	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	29.65	.0365	-1.178	.3227	-.1211	-.6176	-1.412
SDev	1.22	.1983	.119	.2180	.0007	1.7835	1.358
%RSD	4.113	542.8	10.12	67.55	.5570	288.8	96.18
#1	28.79	.1768	-1.094	.1685	-.1206	.6436	-.4516
#2	30.52	-.1037	-1.262	.4768	-.1215	-1.879	-2.372
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5537	-2.400	.3521	-1.115	1.980	-.1711	-3.630
SDev	1.226	.576	5.532	.088	7.388	1.8497	3.524
%RSD	221.5	24.00	1571.	7.897	373.1	1081.	97.08
#1	-.3135	-1.992	4.264	-1.177	-3.244	1.137	-1.138
#2	1.421	-2.807	-3.560	-1.052	7.204	-1.479	-6.122
[redacted]rors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.3171	.4245	-.5550	3.218
SDev	.2763	2.467	1.3498	2.885
%RSD	87.14	581.1	243.2	89.63
#1	-.1217	2.169	-1.509	5.258
#2	-.5125	-1.320	.3995	1.179
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	936	1000	--	--	--	--	--
SDev	.0000000	.0000000	--	--	--	--	--
%RSD	.0000000	.0000000	--	--	--	--	--
#1	936	1000	--	--	--	--	--
#2	936	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 07/24/95 14:20:57
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2241	559800.	1.385	.2723	473000.	1.818	-1.657
SDev	.4113	567.	.051	.0135	2581.	.161	.342
%RSD	183.5	.1013	3.702	4.966	.5457	8.833	20.62
#1	.0667	560200.	1.421	.2627	474800.	1.704	-1.415
#2	-.5149	559400.	1.349	.2818	471200.	1.931	-1.899
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	26.85	4.099	199700.	-3.172	538100.	-19.29	-2.776
SDev	.42	.064	637.	20.501	1624.	.09	1.193
%RSD	1.554	1.555	.3187	646.3	.3018	.4554	42.97
#1	26.55	4.054	200200.	11.32	539200.	-19.36	-1.933
#2	27.14	4.144	199300.	-17.67	536900.	-19.23	-3.620
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	50.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	126.0	2.156	-7.408	4.555	-11.06	13.82	-3.088
SDev	244.4	.514	2.584	.038	.38	3.20	.948
%RSD	194.1	23.86	34.88	.8411	3.395	23.16	30.69
#1	298.8	2.519	-5.581	4.582	-11.32	11.56	-3.759
#2	-46.88	1.792	-9.235	4.527	-10.79	16.08	-2.418
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8.548	-.9996	245.7	-102.0	7.067	9.273	3.172
SDev	1.180	.5293	.5	5.0	.018	1.760	1.166
%RSD	13.80	52.94	.2015	4.950	.2539	18.98	36.76
#1	9.382	-.6254	246.0	-105.5	7.080	10.52	2.348
#2	7.714	-1.374	245.3	-98.39	7.054	8.028	3.997
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-6.229	.7702	.2830	10.04
SDev	.839	1.847	.9035	2.96
%RSD	13.47	239.7	319.2	29.47
#1	-6.822	2.076	.9218	7.948
#2	-5.635	-.5355	-.3559	12.13
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	829	1000	--	--	--	--	--
SDev	3.111417	.0000000	--	--	--	--	--
%RSD	.3752727	.0000000	--	--	--	--	--
#1	827	1000	--	--	--	--	--
#2	831	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 07/24/95 14:26:23
[redacted]ment: ICSAB ICSAB
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1010.	557100.	527.0	508.8	471500.	960.0	520.4
SDev	.	513.	.5	.3	778.	1.5	.5
%RSD	.0266	.0921	.0978	.0517	.1649	.1511	.0966
#1	1009.	557400.	527.3	508.6	471000.	958.9	520.0
#2	1010.	556700.	526.6	509.0	472100.	961.0	520.7
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	511.5	558.4	199900.	14.53	537300.	474.1	1025.
SDev	1.1	.2	187.	9.98	410.	.2	2.
%RSD	.2068	.0372	.0934	68.70	.0764	.0493	.2242
#1	510.7	558.5	199800.	7.471	537000.	473.9	1023.
#2	512.2	558.2	200000.	21.59	537600.	474.3	1026.
[redacted]rors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
[redacted]lue	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	T11908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	484.7	962.8	-8.589	509.9	1053.	5118.	1.797
SDev	32.3	.5	.013	.2	2.	6.	1.184
%RSD	6.657	.0488	.1565	.0410	.1496	.1121	65.87
#1	507.5	963.1	-8.580	510.0	1052.	5114.	2.635
#2	461.9	962.4	-8.599	509.7	1054.	5122.	.9602
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.136	-.9067	5331.	5012.	-.3145	9.343	5.903
SDev	.905	1.0230	4.	10.	.0722	1.393	5.698
%RSD	14.75	112.8	.0690	.2083	22.97	14.91	96.52
#1	5.496	-1.630	5333.	5004.	-.2634	8.358	9.932
#2	6.776	-.1833	5328.	5019.	-.3655	10.33	1.874
[redacted]rors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-.2671	1037.	1032.	1109.
SDev	1.0696	8.	8.	2.
%RSD	400.5	.7923	.7553	.1576
#1	-1.023	1043.	1037.	1111.
#2	.4893	1031.	1026.	1108.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	825	1000	--	--	--	--	--
SDev	1.131397	.0000000	--	--	--	--	--
%RSD	.1371100	.0000000	--	--	--	--	--
#1	824	1000	--	--	--	--	--
#2	826	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CRI Operator:
Run Time: 07/24/95 14:31:50
[redacted]ment: CRI
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	20.82	90.33	-.0386	10.30	103.3	10.34	100.6
SDev	.28	10.36	.0101	.00	1.8	.20	.3
%RSD	1.330	11.47	26.04	.0231	1.756	1.920	.3468
#1	20.62	83.00	-.0315	10.31	102.1	10.20	100.9
#2	21.01	97.66	-.0457	10.30	104.6	10.48	100.4
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.95	52.75	42.25	-18.33	103.1	30.73	49.47
SDev	.15	.10	4.72	7.53	5.2	.07	.94
%RSD	.7560	.1806	11.17	41.09	4.995	.2435	1.893
#1	20.06	52.68	38.91	-13.00	99.50	30.68	50.14
#2	19.84	52.82	45.58	-23.65	106.8	30.78	48.81
[redacted]rrors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
[redacted]lue		50.00				30.00	
Range		50.00				50.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-160.8	82.27	20.21	101.8	42.27	5.401	8.652
SDev	168.5	.17	.66	.3	.11	.253	2.878
%RSD	104.8	.2116	3.280	.2507	.2502	4.684	33.26
#1	-41.69	82.15	20.67	102.0	42.20	5.580	6.617
#2	-280.0	82.39	19.74	101.6	42.35	5.222	10.69
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		80.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	125.8	19.33	4.841	5.665	125.3	125.9	10.34
SDev	.2	.09	.730	.015	3.4	1.4	2.90
%RSD	.1504	.4452	15.08	.2595	2.720	1.126	28.06
#1	125.6	19.27	5.357	5.675	122.9	126.9	8.285
#2	125.9	19.39	4.325	5.654	127.8	124.9	12.39
[redacted]rrors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue	120.0	20.00					
Range	50.00	50.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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DATA

Avge	7.799	42.68	20.68	305.2
SDev	2.867	.25	3.36	3.6
%RSD	36.76	.5932	16.26	1.182
#1	5.771	42.50	23.06	307.7
#2	9.826	42.86	18.30	302.6
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	970	1000	--	--	--	--	--
SDev	1.367128	.0000000	--	--	--	--	--
%RSD	.1410067	.0000000	--	--	--	--	--
#1	969	1000	--	--	--	--	--
#2	971	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCV Operator:
Run Time: 07/24/95 14:37:17
[redacted]ment: CCV CVS1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.7	2072.	999.0	987.5	50110.	986.0	989.6
SDev	.0	6.	.8	.5	95.	.9	2.0
%RSD	.0251	.2755	.0752	.0538	.1905	.0884	.1992
#1	100.6	2068.	998.5	987.9	50180.	986.7	991.0
#2	100.7	2076.	999.5	987.1	50040.	985.4	988.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	982.6	1013.	2027.	48010.	48660.	977.3	1006.
SDev	.6	4.	17.	132.	14.	.9	1.
%RSD	.0616	.4170	.8226	.2740	.0289	.0923	.1428
#1	983.0	1010.	2038.	47920.	48670.	978.0	1007.
#2	982.1	1016.	2015.	48100.	48650.	976.7	1005.
[redacted]rors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
[redacted]lue	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49970.	991.1	1046.	992.8	1030.	1017.	1030.
SDev	13.	.9	4.	1.5	.	1.	2.
%RSD	.0265	.0929	.4001	.1554	.0095	.0985	.1484
#1	49980.	991.8	1043.	993.9	1030.	1016.	1029.
#2	49960.	990.5	1049.	991.7	1030.	1018.	1031.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1009.	1010.	1005.	1023.	1001.	1013.	1033.
SDev	2.	2.	3.	.	2.	2.	8.
%RSD	.2363	.1820	.3430	.0215	.2273	.2407	.8086
#1	1008.	1009.	1003.	1023.	999.6	1012.	1027.
#2	1011.	1011.	1008.	1022.	1003.	1015.	1039.
[redacted]rors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	1029.	1006.	998.2	1029.
SDev	2.	2.	1.8	2.
%RSD	.1824	.2098	.1766	.1978
#1	1030.	1007.	996.9	1028.
#2	1027.	1004.	999.4	1031.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	912	1000	--	--	--	--	--
SDev	1.838547	.0000000	--	--	--	--	--
%RSD	.2016955	.0000000	--	--	--	--	--
#1	910	1000	--	--	--	--	--
#2	913	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCB Operator:
Run Time: 07/24/95 14:42:44
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1128	19.57	.3381	.5429	26.59	.3986	.6031
SDev	.5539	5.79	.0296	.0531	1.74	.1816	.3666
%RSD	491.1	29.59	8.752	9.786	6.556	45.56	60.78
#1	-.5045	15.47	.3171	.5053	25.35	.5270	.3439
#2	.2789	23.66	.3590	.5804	27.82	.2702	.8623
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2342	-.3375	.5773	-2.985	30.32	.3451	1.246
SDev	.2512	.3652	.7936	3.486	3.79	.0919	.429
%RSD	107.3	108.2	137.5	116.8	12.50	26.64	34.46
#1	.0566	-.5957	.0161	-.5205	27.64	.2801	1.550
#2	.4118	-.0792	1.139	-5.450	33.00	.4101	.9425
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-9.577	.7078	-.8004	.2503	.3229	.9941	-1.034
SDev	47.102	.8452	1.3169	.1137	.0574	.0186	.536
%RSD	491.8	119.4	164.5	45.41	17.78	1.867	51.79
#1	-42.88	.1101	.1308	.3306	.3635	1.007	-1.413
#2	23.73	1.305	-1.732	.1699	.2823	.9809	-.6555
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.143	-.1039	1.265	.8462	1.272	1.066	-2.277
SDev	1.286	.9238	.933	.4936	2.860	.501	.660
%RSD	112.6	888.7	73.77	58.33	224.8	46.99	28.97
#1	2.053	.5493	.6050	1.195	3.295	1.420	-2.743
#2	.2333	-.7572	1.924	.4971	-.7502	.7116	-1.810
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.4260	4.188	-5.817	-.4835
SDev	.4749	8.672	.740	2.0439
%RSD	111.5	207.1	12.73	422.7
#1	-.7618	-1.945	-5.293	.9617
#2	-.0902	10.32	-6.341	-1.929
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	938	1000	--	--	--	--	--
SDev	.2357310	.0000000	--	--	--	--	--
%RSD	.0251220	.0000000	--	--	--	--	--
#1	939	1000	--	--	--	--	--
#2	938	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740431 #15 Operator:
Run Time: 07/24/95 14:48:11
Comment: SDG:MAT548 ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0297	16.04	.1897	.3535	5.031	.3366	.6726
SDev	.0336	11.37	.1270	.1329	15.96	.0379	.1229
%RSD	113.1	70.84	66.94	37.59	317.2	11.27	18.27
#1	.0059	8.008	.0999	.2596	-6.252	.3097	.7595
#2	.0534	24.08	.2795	.4475	16.31	.3634	.5857
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4196	-.5051	3.394	9.381	11.05	.1525	.2065
SDev	.1661	.0956	8.242	7.908	14.82	.1838	.2857
%RSD	39.58	18.92	242.9	84.29	134.1	120.5	138.3
#1	.3022	-.4375	-2.434	14.97	.5743	.0226	.0045
#2	.5370	-.5726	9.222	3.790	21.53	.2825	.4085
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	80.34	.9195	1.005	.4738	.2816	-.5438	.5897
SDev	17.95	.0497	.695	.2274	.1135	.0532	1.222
%RSD	22.35	5.406	69.15	47.98	40.30	9.784	207.3
#1	93.04	.8843	.5136	.3131	.2014	-.5062	-.2746
#2	67.65	.9546	1.496	.6346	.3619	-.5815	1.454
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.104	-.1511	.2877	-.9719	2.944	.1720	.0836
SDev	.236	.8400	.8583	.5083	.501	.1038	2.745
%RSD	21.38	555.9	298.3	52.30	17.01	60.35	3282.
#1	.9369	-.7450	-.3192	-.6125	2.590	.0986	-1.857
#2	1.271	.4428	.8946	-1.331	3.298	.2454	2.024
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.8294	.0260	2.112	1.587
SDev	.4622	.0189	3.807	2.479
%RSD	55.73	72.72	180.3	156.2
#1	.5026	.0394	4.804	3.340
#2	1.156	.0126	-.5806	-.1663
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	932	1000	--	--	--	--	--
SDev	1.744289	.0000000	--	--	--	--	--
%RSD	.1871126	.0000000	--	--	--	--	--
#1	931	1000	--	--	--	--	--
#2	933	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740165 #16 Operator:
Run Time: 07/24/95 14:53:38
[redacted]ment: SDG:10591M ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3976	7.590	-.0195	.2390	-9.008	.0706	.2023
SDev	.1175	.671	.0489	.0443	2.414	.1444	.0528
%RSD	29.55	8.846	250.1	18.54	26.80	204.5	26.13
#1	-.4807	8.064	-.0541	.2077	-10.71	-.0315	.1649
#2	-.3145	7.115	.0150	.2704	-7.300	.1728	.2396
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2656	-.7301	-5.274	-21.50	-3.120	-.0212	-.2339
SDev	.2108	.0950	2.448	15.17	.358	.0616	.1762
%RSD	79.38	13.02	46.41	70.53	11.49	291.4	75.34
#1	-.1165	-.6629	-3.543	-32.23	-2.866	-.0647	-.3585
#2	-.4146	-.7973	-7.005	-10.78	-3.373	.0224	-.1093
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
[redacted]gh	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-198.3	.2107	-1.345	.1650	-.1227	-.9597	.0470
SDev	212.1	.1507	.733	.2264	.1158	.3063	.1983
%RSD	107.0	71.50	54.49	137.2	94.38	31.92	421.9
#1	-348.3	.1042	-.8270	.3251	-.2046	-.7431	-.0932
#2	-48.29	.3172	-1.864	.0050	-.0408	-1.176	.1872
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2156	-1.812	.7512	-1.827	-.1445	.3834	-.9557
SDev	.0766	1.294	1.694	.387	.1764	.0278	.1558
%RSD	35.51	71.40	225.5	21.16	122.1	7.264	16.31
#1	.2698	-2.726	1.949	-2.100	-.0197	.4030	-1.066
#2	.1615	-.8970	-.4467	-1.553	-.2692	.3637	-.8455
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	.5339	-2.064	-7.879	2.070
SDev	.2206	3.066	4.371	2.098
%RSD	41.31	148.6	55.47	101.3
#1	.3779	.1041	-10.97	.5865
#2	.6899	-4.233	-4.788	3.553
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	933	1000	--	--	--	--	--
SDev	.9428378	.0000000	--	--	--	--	--
%RSD	.1010999	.0000000	--	--	--	--	--
#1	932	1000	--	--	--	--	--
#2	933	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: PLCSW740565 #17 Operator:
Run Time: 07/24/95 14:59:04
[redacted]ment: SDG:MAT548 ClientID:LCSW 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	964.8	19130.	19010.	492.0	48730.	485.5	4760.
SDev	2.5	21.	34.	.4	51.	.1	5.
%RSD	.2549	.1123	.1811	.0727	.1056	.0225	.1042
#1	963.1	19120.	18990.	492.2	48760.	485.5	4763.
#2	966.5	19150.	19040.	491.7	48690.	485.4	4756.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	958.0	2451.	9604.	48250.	47460.	1435.	.4103
SDev	1.5	7.	20.	142.	17.	1.	.1830
%RSD	.1603	.2927	.2039	.2939	.0358	.0912	44.60
#1	959.1	2446.	9618.	48150.	47480.	1436.	.2809
#2	956.9	2456.	9590.	48350.	47450.	1434.	.5396
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
[redacted]gh	1200.	3000.	12000.	60000.	60000.	1800.	
Low	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49950.	3899.	1004.	4786.	1998.	289.1	498.1
SDev	246.	6.	1.	1.	.	1.3	1.8
%RSD	.4916	.1458	.1132	.0302	.0208	.4604	.3531
#1	49770.	3903.	1004.	4787.	1998.	288.2	499.3
#2	50120.	3895.	1005.	4785.	1998.	290.1	496.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6119.	1010.	273.4	297.0	6048.	6154.	498.7
SDev	6.	8.	3.9	.1	1.	9.	3.8
%RSD	.0977	.7883	1.414	.0222	.0083	.1416	.7533
#1	6123.	1015.	270.7	296.9	6048.	6160.	501.4
#2	6115.	1004.	276.2	297.0	6048.	6148.	496.0
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	497.8	1.057	2.880	.1542
SDev	.8	.107	3.163	.6488
%RSD	.1529	10.12	109.8	420.8
#1	498.3	1.132	5.116	-.3046
#2	497.3	.9810	.6431	.6129
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	894	1000	--	--	--	--	--
SDev	1.555730	.0000000	--	--	--	--	--
%RSD	.1740038	.0000000	--	--	--	--	--
#1	893	1000	--	--	--	--	--
#2	895	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: PLCSW739949 #18 Operator:
Run Time: 07/24/95 15:04:31
[redacted]ment: SDG:10591M ClientID:LCSW 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	957.3	19080.	19180.	486.4	48460.	485.3	4732.
SDev	1.7	13.	18.	.2	34.	.6	1.
%RSD	.1771	.0703	.0949	.0497	.0704	.1245	.0155
#1	958.5	19090.	19170.	486.3	48430.	484.9	4731.
#2	956.1	19070.	19190.	486.6	48480.	485.7	4732.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	956.2	2450.	9617.	48790.	47630.	1433.	.2046
SDev	.9	6.	18.	60.	17.	.	.3207
%RSD	.0904	.2384	.1896	.1220	.0354	.0296	156.8
#1	955.6	2454.	9604.	48830.	47640.	1433.	.4314
#2	956.8	2446.	9630.	48750.	47610.	1432.	-.0222
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
[redacted]gh	1200.	3000.	12000.	60000.	60000.	1800.	
Low	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49890.	3914.	1003.	4749.	1992.	288.5	503.6
SDev	49.	6.	.	.	2.	.4	2.0
%RSD	.0975	.1610	.0144	.0033	.0897	.1496	.4020
#1	49860.	3909.	1003.	4749.	1991.	288.2	502.1
#2	49930.	3918.	1003.	4748.	1994.	288.9	505.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6128.	1008.	271.7	297.0	6053.	6166.	497.3
SDev	8.	5.	.7	.3	5.	9.	1.4
%RSD	.1295	.5428	.2565	.1007	.0810	.1533	.2834
#1	6123.	1004.	271.2	296.7	6049.	6159.	498.3
#2	6134.	1012.	272.2	297.2	6056.	6172.	496.4
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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DATA

Avge	506.7	4.830	1.532	-.1402
SDev	3.7	4.209	2.638	1.7079
%RSD	.7380	87.14	172.2	1218.
#1	504.0	1.854	-.3332	1.067
#2	509.3	7.806	3.397	-1.348
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	895	1000	--	--	--	--	--
SDev	1.178569	.0000000	--	--	--	--	--
%RSD	.1316722	.0000000	--	--	--	--	--
#1	896	1000	--	--	--	--	--
#2	894	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740567 #19 Operator:
Run Time: 07/24/95 15:09:57
[redacted]ment: SDG:MAT548 ClientID:MAT550 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1615	124.0	38.68	.4528	12100.	.2198	3.125
SDev	.1426	2.7	.55	.0095	15.	.0118	.802
%RSD	88.34	2.205	1.429	2.104	.1247	5.367	25.65
#1	-.0606	122.1	38.29	.4460	12090.	.2114	2.558
#2	-.2623	126.0	39.07	.4595	12110.	.2281	3.692
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8362	3.884	3500.	2817.	2020.	740.3	.9435
SDev	.0838	.174	8.	7.	.	.6	.2051
%RSD	10.03	4.493	.2325	.2477	.0158	.0826	21.74
#1	.7770	3.761	3495.	2821.	2020.	740.7	1.089
#2	.8955	4.008	3506.	2812.	2020.	739.9	.7985
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	72620.	3.406	-.1145	2.156	11.87	.6903	.3488
SDev	7.	.047	.7990	.802	.10	.2022	.9717
%RSD	.0099	1.370	697.9	37.18	.8077	29.29	278.6
#1	72620.	3.373	.4505	1.589	11.81	.5473	1.036
#2	72630.	3.439	-.6795	2.723	11.94	.8333	-.3383
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.269	18.02	-.0869	1.064	3.543	1.620	2.513
SDev	1.517	2.14	1.4182	1.012	.155	2.351	2.846
%RSD	66.83	11.86	1633.	95.12	4.370	145.1	113.3
#1	3.342	16.51	.9159	.3484	3.433	3.283	.5005
#2	1.197	19.53	-1.090	1.780	3.652	-.0423	4.526
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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DATA

Avge	-.7450	L-2.577	L-2.477	1.921
SDev	2.8778	4.299	4.171	.350
%RSD	386.3	166.8	168.4	18.22
#1	1.290	L-5.617	.4724	1.674
#2	-2.780	.4627	L-5.426	2.169
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	906	1000	--	--	--	--	--
SDev	1.602859	.0000000	--	--	--	--	--
%RSD	.1768421	.0000000	--	--	--	--	--
#1	905	1000	--	--	--	--	--
#2	908	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740564 #20 Operator:
Run Time: 07/24/95 15:15:23
[redacted]ment: SDG:MAT548 ClientID:MAT550D 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1362	131.0	34.79	.3684	11800.	.2498	2.311
SDev	.3775	.4	.02	.0009	47.	.0383	.300
%RSD	277.2	.3020	.0699	.2576	.4013	15.34	13.00
#1	-.4032	130.7	34.81	.3677	11770.	.2227	2.099
#2	.1307	131.2	34.77	.3691	11840.	.2768	2.524
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0987	2.492	3405.	2704.	1957.	719.7	1.063
SDev	.2614	.841	22.	5.	6.	2.1	.224
%RSD	265.0	33.75	.6560	.1756	.2900	.2933	21.10
#1	-.0862	3.087	3389.	2701.	1953.	718.2	1.222
#2	.2835	1.897	3421.	2708.	1961.	721.2	.9044
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	70320.	8.102	-1.028	1.109	16.97	.2200	-.9305
SDev	6.	1.327	.069	.453	.02	.7403	.5982
%RSD	.0091	16.39	6.675	40.80	.1433	336.4	64.29
#1	70330.	9.040	-1.077	.7892	16.96	.7435	-.5075
#2	70320.	7.163	-.9796	1.429	16.99	-.3034	-1.354
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.856	16.11	2.867	-1.116	.6458	2.447	-2.366
SDev	.458	.56	1.450	.386	.5599	.967	1.898
%RSD	24.69	3.457	50.56	34.59	86.70	39.50	80.21
#1	1.532	15.72	3.892	-.8434	1.042	1.764	-1.024
#2	2.180	16.51	1.842	-1.389	.2498	3.131	-3.708
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-.2270	1.788	L-1.248	.8519
SDev	.0505	4.513	5.674	1.221
%RSD	22.26	252.4	454.7	143.3
#1	-.2627	L-1.403	L-5.260	1.715
#2	-.1913	4.979	2.764	L-.0112
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	907	1000	--	--	--	--	--
SDev	1.461429	.0000000	--	--	--	--	--
%RSD	.1611019	.0000000	--	--	--	--	--
#1	908	1000	--	--	--	--	--
#2	906	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740563 #21 Operator:
Run Time: 07/24/95 15:20:49
[redacted]ment: SDG:MAT548 ClientID:MAT550S 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	50.78	2072.	2110.	51.34	11870.	52.19	503.5
SDev	.08	2.	.	.01	5.	.12	1.0
%RSD	.1487	.0779	.0072	.0127	.0440	.2371	.1928
#1	50.84	2073.	2110.	51.33	11870.	52.28	504.2
#2	50.73	2071.	2111.	51.34	11870.	52.11	502.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	202.4	259.9	4441.	2726.	1969.	1219.	1.367
SDev	.7	.1	13.	3.	4.	.	.276
%RSD	.3385	.0429	.2901	.1239	.2271	.0335	20.23
#1	202.9	260.0	4450.	2728.	1972.	1219.	1.171
#2	201.9	259.8	4432.	2723.	1966.	1219.	1.562
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	T11908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	71130.	518.7	2180.	506.5	537.9	520.2	2089.
SDev	159.	.5	3.	.2	.2	1.6	2.
%RSD	.2238	.0954	.1263	.0362	.0388	.3159	.0825
#1	71020.	518.4	2182.	506.6	538.1	521.4	2090.
#2	71250.	519.1	2178.	506.4	537.8	519.1	2087.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	531.7	2065.	511.8	524.4	522.8	536.1	2072.
SDev	.4	7.	.3	2.3	.1	.6	4.
%RSD	.0675	.3603	.0680	.4367	.0165	.1085	.2127
#1	531.4	2059.	512.0	526.0	522.9	535.7	2075.
#2	531.9	2070.	511.5	522.8	522.8	536.5	2069.
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2097.	L-2.727	L-1.689	2.684
SDev	.	1.911	4.308	.243
%RSD	.0184	70.10	255.0	9.071
#1	2097.	L-4.078	1.357	2.856
#2	2097.	L-1.375	L-4.735	2.511
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	911	1000	--	--	--	--	--
SDev	.7542789	.0000000	--	--	--	--	--
%RSD	.0827684	.0000000	--	--	--	--	--
#1	911	1000	--	--	--	--	--
#2	912	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: SDI740567 #22 Operator:
Run Time: 07/24/95 15:26:15
[redacted]ment: SDG:MAT548 ClientID:MAT550L 1:5
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1416	93.42	8.076	.3030	2446.	.2332	.7674
SDev	.4784	3.58	.280	.0095	2.	.0711	.4131
%RSD	338.0	3.829	3.464	3.123	.0854	30.47	53.83
#1	.1967	90.89	7.878	.2963	2444.	.2835	.4753
#2	-.4798	95.95	8.273	.3097	2447.	.1830	1.060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1443	.4827	695.9	496.5	398.5	149.0	.0185
SDev	.3402	.0003	1.3	18.0	2.0	.2	.1773
%RSD	235.7	.0608	.1871	3.627	.4956	.1396	956.3
#1	-.0962	.4825	696.8	483.8	397.1	148.8	L-.1068
#2	.3849	.4829	694.9	509.3	399.9	149.1	.1439
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	T11908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	15200.	1.029	.9654	.7245	5.868	.4657	.9131
SDev	52.	.505	.7874	.0032	.177	.3115	1.059
%RSD	.3445	49.14	81.57	.4471	3.014	66.88	116.0
#1	15160.	.6713	.4086	.7267	5.743	.2455	.1643
#2	15230.	1.386	1.522	.7222	5.993	.6860	1.662
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5981	3.272	-.3519	.8609	1.818	-.0237	-1.568
SDev	.6138	.477	.8458	.8893	1.383	1.6108	.023
%RSD	102.6	14.59	240.4	103.3	76.09	6785.	1.458
#1	1.032	3.609	.2462	.2321	.8397	1.115	-1.584
#2	.1641	2.934	-.9500	1.490	2.796	-1.163	-1.552
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
[redacted]

Avge	2.139	2.054	L-1.082	1.796
SDev	1.576	2.005	5.467	.953
%RSD	73.70	97.63	505.1	53.05
#1	1.024	.6361	L-4.948	1.122
#2	3.253	3.472	2.784	2.470
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	925	1000	--	--	--	--	--
SDev	.5185478	.0000000	--	--	--	--	--
%RSD	.0560584	.0000000	--	--	--	--	--
#1	925	1000	--	--	--	--	--
#2	925	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740562 #23 Operator:
Run Time: 07/24/95 15:31:41
[redacted]ment: SDG:MAT548 ClientID:MAT548 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1255	131.5	21.17	.3317	48550.	.0254	1.449
SDev	.0506	2.2	.01	.0068	100.	.0708	.116
%RSD	40.30	1.702	.0318	2.063	.2055	278.7	7.999
#1	-.1612	133.0	21.17	.3269	48620.	.0754	1.531
#2	-.0897	129.9	21.16	.3365	48480.	-.0246	1.367
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3656	.8954	1101.	5807.	4522.	2102.	9.453
SDev	.1745	.0158	12.	11.	1.	3.	.665
%RSD	47.73	1.768	1.077	.1956	.0156	.1326	7.035
#1	.4890	.8842	1109.	5799.	4523.	2104.	8.983
#2	.2422	.9066	1093.	5815.	4522.	2100.	9.924
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	65780.	3.119	.0401	.5350	7.710	.8963	.6553
SDev	160.	.773	.0620	.1114	.114	1.409	1.502
%RSD	.2432	24.79	154.6	20.82	1.481	157.2	229.1
#1	65670.	2.572	-.0037	.6138	7.629	1.893	1.717
#2	65890.	3.665	.0839	.4562	7.790	-.1001	-.4065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2171	10.49	1.539	.5622	.2918	.1665	-2.397
SDev	2.071	.31	1.143	1.542	2.351	1.931	1.066
%RSD	954.1	2.923	74.23	274.3	805.6	1160.	44.49
#1	-1.247	10.28	2.347	1.653	-1.370	-1.199	-1.643
#2	1.681	10.71	.7313	-.5284	1.954	1.532	-3.151
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.166	2.034	L-5.558	L-.1033
SDev	1.719	.262	2.125	.0327
%RSD	79.36	12.86	38.22	31.70
#1	3.381	2.219	L-7.060	L-.1265
#2	.9504	1.849	L-4.056	L-.0801
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	905	1000	--	--	--	--	--
SDev	.7071068	.0000000	--	--	--	--	--
%RSD	.0781726	.0000000	--	--	--	--	--
#1	904	1000	--	--	--	--	--
#2	905	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740566 #24 Operator:
Run Time: 07/24/95 15:38:49
[redacted]ment: SDG:MAT548 ClientID:MAT549 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4617	136.1	38.47	.3820	20460.	.2083	.3186
SDev	.3609	2.0	.02	.0078	9.	.1068	.1225
%RSD	78.16	1.464	.0577	2.047	.0427	51.29	38.44
#1	-.2065	137.6	38.48	.3876	20450.	.2838	.2320
#2	-.7169	134.7	38.45	.3765	20470.	.1327	.4052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4434	1.033	1055.	3043.	2688.	1110.	1.472
SDev	.0009	.111	6.	6.	1.	.	.377
%RSD	.2108	10.76	.5625	.2079	.0222	.0031	25.63
#1	.4441	1.111	1059.	3039.	2687.	1110.	1.739
#2	.4428	.9541	1051.	3048.	2688.	1110.	1.205
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	T11908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	54150.	1.690	1.481	.5488	7.861	-.3770	-1.500
SDev	93.	.617	1.123	.0025	.065	.0343	.431
%RSD	.1718	36.50	75.84	.4610	.8206	9.108	28.71
#1	54080.	1.254	.6868	.5505	7.907	-.4013	-1.805
#2	54210.	2.126	2.275	.5470	7.816	-.3527	-1.196
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2528	7.175	1.779	-1.468	-1.703	.4580	-.3026
SDev	1.0927	1.580	.472	.185	1.410	.9343	1.9141
%RSD	432.2	22.02	26.52	12.62	82.80	204.0	632.6
#1	-1.025	8.292	1.446	-1.337	-2.700	-.2026	-1.656
#2	.5199	6.058	2.113	-1.599	-.7060	1.119	1.051
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	-2.112	1.047	2.636	2.639
SDev	.310	1.674	.429	.757
%RSD	14.66	159.9	16.26	28.69
#1	-1.893	2.231	2.939	2.104
#2	-2.331	L-.1368	2.333	3.175
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	908	1000	--	--	--	--	--
SDev	.7542789	.0000000	--	--	--	--	--
%RSD	.0830601	.0000000	--	--	--	--	--
#1	908	1000	--	--	--	--	--
#2	909	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCV Operator:
Run Time: 07/24/95 15:44:17
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.4	2031.	1023.	982.0	49540.	992.8	969.3
SDev	.6	2.	1.	1.4	120.	.6	2.2
%RSD	.6017	.0866	.0953	.1418	.2424	.0562	.2254
#1	99.98	2032.	1024.	981.0	49450.	992.4	967.7
#2	100.8	2030.	1023.	983.0	49620.	993.1	970.8
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	968.8	1015.	1968.	47910.	47660.	955.7	1007.
SDev	3.7	2.	5.	46.	14.	1.4	2.
%RSD	.3799	.2363	.2718	.0959	.0285	.1487	.2241
#1	966.2	1016.	1964.	47940.	47650.	954.7	1006.
#2	971.4	1013.	1972.	47880.	47670.	956.7	1009.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49600.	1001.	1048.	970.2	1030.	1013.	1032.
SDev	170.	1.	3.	1.1	2.	4.	1.
%RSD	.3424	.0768	.2595	.1144	.1912	.3754	.0638
#1	49480.	1001.	1049.	969.4	1028.	1010.	1033.
#2	49720.	1002.	1046.	971.0	1031.	1015.	1032.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1008.	1008.	987.9	1025.	981.4	1021.	1023.
SDev	5.	6.	4.6	3.	1.7	6.	4.
%RSD	.4506	.6371	.4667	.3315	.1693	.5856	.3453
#1	1005.	1004.	984.7	1023.	980.2	1017.	1020.
#2	1011.	1013.	991.2	1028.	982.6	1025.	1025.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1037.	991.7	988.8	1033.
SDev	3.	5.2	3.9	2.
%RSD	.2651	.5275	.3911	.1693
#1	1039.	995.4	986.1	1034.
#2	1035.	988.0	991.6	1032.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	919	1000	--	--	--	--	--
SDev	.6128489	.0000000	--	--	--	--	--
%RSD	.0667098	.0000000	--	--	--	--	--
#1	919	1000	--	--	--	--	--
#2	918	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCB Operator:
Run Time: 07/24/95 15:49:44
Comment: CCB
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3858	9.435	.3213	.5880	7.955	.4185	.3685
SDev	.1511	1.441	.1095	.0690	2.712	.0458	.0899
%RSD	39.16	15.27	34.09	11.73	34.09	10.94	24.40
#1	-.4926	10.45	.2439	.5392	6.037	.4508	.3049
#2	-.2790	8.417	.3988	.6367	9.872	.3861	.4320
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1688	-.8650	-3.355	-3.547	9.990	.3212	1.280
SDev	.0823	.0948	1.635	12.494	2.704	.0603	.819
%RSD	48.77	10.96	48.73	352.2	27.07	18.77	63.99
#1	.1106	-.7979	-4.511	-12.38	8.077	.2785	1.859
#2	.2270	-.9320	-2.199	5.287	11.90	.3638	.7007
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	83.62	.2879	.6257	.1684	.1646	-.4242	.1736
SDev	15.03	.5423	.3493	.0102	.0567	.0226	.1762
%RSD	17.98	188.3	55.82	6.046	34.43	5.336	101.5
#1	94.25	-.0955	.3788	.1756	.2047	-.4402	.2982
#2	72.99	.6713	.8727	.1612	.1246	-.4082	.0489
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.759	-1.401	1.214	-1.255	.3784	2.436	-.9817
SDev	1.927	.687	.991	.461	2.353	1.714	3.8547
%RSD	109.5	49.04	81.65	36.74	621.7	70.35	392.7
#1	3.121	-1.887	.5132	-.9289	2.042	3.647	1.744
#2	.3969	-.9152	1.915	-1.581	-1.285	1.224	-3.707
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	.7377	1.458	-3.727	-1.117
SDev	1.660	1.767	3.501	.912
%RSD	225.1	121.2	93.94	81.64
#1	-.4363	2.707	-6.202	-.4720
#2	1.912	.2083	-1.251	-1.761
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	945	1000	--	--	--	--	--
SDev	.9428378	.0000000	--	--	--	--	--
%RSD	.0998155	.0000000	--	--	--	--	--
#1	944	1000	--	--	--	--	--
#2	945	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740568 #27 Operator:
Run Time: 07/24/95 15:55:11
[redacted]ment: SDG:MAT548 ClientID:MAT560 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2434	106.3	1.473	19.60	15.70	9.913	95.80
SDev	.0168	1.1	.022	.01	.33	.119	.12
%RSD	6.899	1.011	1.517	.0363	2.091	1.205	.1260
#1	-.2552	107.0	1.457	19.60	15.47	9.998	95.89
#2	-.2315	105.5	1.488	19.61	15.93	9.829	95.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.13	.4937	17.06	50.55	.3937	.5956	.1720
SDev	.01	.0476	3.32	2.46	.7093	.0628	.0445
%RSD	.0533	9.649	19.46	4.867	180.2	10.54	25.86
#1	22.14	.4600	19.41	48.81	.8953	.6400	.1405
#2	22.12	.5273	14.71	52.29	-.1078	.5512	.2034
[redacted]rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	894.1	2.608	-3.340	.0053	598.8	2.082	-.1202
SDev	39.5	.001	.591	.4528	.4	.257	.9996
%RSD	4.422	.0264	17.69	8558.	.0655	12.36	832.0
#1	866.1	2.609	-2.923	.3254	598.5	1.900	.5867
#2	922.0	2.608	-3.758	-.3149	599.1	2.264	-.8270
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.551	21.54	5.861	.1791	3.184	.7231	-4.646
SDev	.325	1.27	.059	.4154	2.856	.9389	.727
%RSD	20.94	5.883	1.015	231.9	89.71	129.8	15.64
#1	1.321	20.64	5.903	-.1146	1.164	1.387	-4.132
#2	1.781	22.43	5.819	.4729	5.203	.0592	-5.160
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	2.126	2.495	L-4.262	.1286
SDev	1.136	.693	.744	1.262
%RSD	53.41	27.76	17.46	981.5
#1	2.930	2.006	L-4.788	1.021
#2	1.323	2.985	L-3.736	L-.7637

Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	921	1000	--	--	--	--	--
SDev	.4714189	.0000000	--	--	--	--	--
%RSD	.0511941	.0000000	--	--	--	--	--
#1	921	1000	--	--	--	--	--
#2	921	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740569 #28 Operator:
Run Time: 07/24/95 16:00:37
Comment: SDG:MAT548 ClientID:MAT561 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1899	86.83	1.215	.3767	24.83	.0829	.2314
SDev	.4952	3.48	.033	.0007	1.51	.0137	.0555
%RSD	260.7	4.005	2.699	.1842	6.089	16.48	23.98
#1	-.5401	89.29	1.192	.3763	25.90	.0732	.1922
#2	.1602	84.38	1.238	.3772	23.76	.0925	.2707
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6439	-.3593	5.105	71.23	-1.733	.2008	.0932
SDev	.2979	.4289	4.151	12.41	.002	.1247	.0816
%RSD	46.27	119.3	81.31	17.42	.0892	62.08	87.55
#1	.4332	-.6626	2.170	62.46	-1.732	.1127	.1509
#2	.8545	-.0561	8.040	80.01	-1.734	.2890	.0355
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	499.4	38.38	.6047	.0038	4.018	.2011	.5833
SDev	22.5	54.04	1.223	.2225	.289	.1660	1.688
%RSD	4.511	140.8	202.2	5929.	7.197	82.55	289.3
#1	483.4	.1700	1.469	-.1536	3.813	.3185	-.6099
#2	515.3	76.60	-.2599	.1611	4.222	.0837	1.777
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2244	-.9306	3.101	-1.261	-1.327	.9868	-.6034
SDev	.4971	.1141	.134	.317	.822	.3338	.6479
%RSD	221.5	12.26	4.334	25.16	61.92	33.83	107.4
#1	.5759	-.8499	3.006	-1.036	-.7460	1.223	-1.062
#2	-.1271	-1.011	3.196	-1.485	-1.908	.7508	-.1453
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.163	L-1.111	L-1.292	1.495
SDev	2.207	1.999	2.588	.729
%RSD	189.8	179.9	200.4	48.80
#1	-.3974	L-2.525	L-3.122	2.010
#2	2.723	.3023	.5383	.9788
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	922	1000	--	--	--	--	--
SDev	.2356879	.0000000	--	--	--	--	--
%RSD	.0255716	.0000000	--	--	--	--	--
#1	922	1000	--	--	--	--	--
#2	922	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740570 #29 Operator:
Run Time: 07/24/95 16:06:04
[redacted]ment: SDG:MAT548 ClientID:MAT564 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3952	146.4	149.1	.4107	83730.	-.2582	6.066
SDev	.1925	4.1	.2	.0178	367.	.1648	.127
%RSD	48.72	2.823	.1443	4.326	.4378	63.82	2.100
#1	-.2591	143.5	149.0	.3982	83980.	-.3747	6.156
#2	-.5313	149.3	149.3	.4233	83470.	-.1417	5.976
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.250	2.638	82040.	21100.	12890.	2299.	.1860
SDev	.431	.032	168.	100.	23.	7.	.0525
%RSD	34.52	1.210	.2045	.4738	.1759	.3045	28.23
#1	.9447	2.616	82150.	21030.	12910.	2304.	.1489
#2	1.555	2.661	81920.	21170.	12870.	2294.	.2232
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	23770.	5.727	-.3140	3.566	73.44	3.180	2.532
SDev	69.	.318	.6344	.226	.12	.567	.020
%RSD	.2923	5.545	202.0	6.337	.1608	17.84	.7897
#1	23720.	5.951	.1346	3.407	73.52	3.581	2.546
#2	23820.	5.502	-.7626	3.726	73.36	2.778	2.518
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.799	185.6	.5599	4.471	.2974	2.535	1.411
SDev	.001	2.0	.1538	.927	.9400	.468	.944
%RSD	.0601	1.076	27.46	20.74	316.1	18.45	66.88
#1	1.799	184.2	.4512	5.127	.9621	2.204	.7437
#2	1.798	187.0	.6687	3.815	-.3673	2.866	2.078
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	3.079	L-1.328	L-5.361	6.760
SDev	.501	.260	2.584	.946
%RSD	16.27	19.56	48.21	14.00
#1	3.433	L-1.145	L-7.188	6.091
#2	2.725	L-1.512	L-3.533	7.429
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	902	1000	--	--	--	--	--
SDev	1.508558	.0000000	--	--	--	--	--
%RSD	.1672004	.0000000	--	--	--	--	--
#1	901	1000	--	--	--	--	--
#2	903	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Sample Name: 740577 #30 Operator:
Run Time: 07/24/95 16:11:31
Comment: SDG:MAT548 ClientID:MAT565 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3536	183.4	108.4	.4565	95410.	-.1961	10.66
SDev	.1349	.9	.1	.0112	247.	.0004	.06
%RSD	38.16	.4848	.1218	2.456	.2591	.2122	.5287
#1	-.4490	182.7	108.3	.4644	95580.	-.1964	10.70
#2	-.2582	184.0	108.5	.4485	95230.	-.1958	10.62
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.229	3.042	62840.	21870.	15770.	4711.	1.800
SDev	.573	.730	140.	44.	17.	9.	.164
%RSD	46.60	24.00	.2226	.2020	.1066	.1859	9.085
#1	1.634	2.526	62940.	21840.	15780.	4717.	1.684
#2	.8243	3.559	62740.	21900.	15750.	4705.	1.916
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	33970.	8.361	.9431	2.589	29.73	2.671	-.0435
SDev	11.	.242	1.073	.233	.05	.648	.1584
%RSD	.0336	2.894	113.8	9.002	.1627	24.26	364.1
#1	33960.	8.190	1.702	2.754	29.70	3.129	.0685
#2	33980.	8.532	.1844	2.424	29.77	2.213	-.1556
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.330	274.4	1.029	3.476	.8658	3.047	-1.828
SDev	2.120	.6	1.229	1.585	.8886	2.736	.064
%RSD	91.02	.2086	119.4	45.59	102.6	89.78	3.481
#1	.8302	274.8	.1599	4.596	.2375	1.113	-1.783
#2	3.829	274.0	1.897	2.355	1.494	4.982	-1.873
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.8342	L-.6805	L-.9696	4.258
SDev	.2057	3.2632	5.2959	.717
%RSD	24.66	479.5	546.2	16.84
#1	.9797	L-2.988	2.775	4.765
#2	.6888	1.627	L-4.714	3.751
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	898	1000	--	--	--	--	--
SDev	2.121407	.0000000	--	--	--	--	--
%RSD	.2362162	.0000000	--	--	--	--	--
#1	897	1000	--	--	--	--	--
#2	900	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740578 #31 Operator:
Run Time: 07/24/95 16:16:58
Comment: SDG:MAT548 ClientID:MAT566 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7118	133.5	110.3	.4146	97680.	-.2571	10.70
SDev	.0087	.9	.1	.0189	236.	.1389	.23
%RSD	1.227	.6881	.0502	4.548	.2416	54.03	2.165
#1	-.7179	134.1	110.4	.4280	97850.	-.3553	10.87
#2	-.7056	132.8	110.3	.4013	97520.	-.1589	10.54
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8586	2.660	64420.	22600.	16160.	4819.	2.188
SDev	.1265	.255	111.	37.	20.	5.	.260
%RSD	14.74	9.574	.1723	.1644	.1226	.0951	11.86
#1	.7691	2.840	64500.	22580.	16170.	4823.	2.005
#2	.9481	2.480	64340.	22630.	16150.	4816.	2.372
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34780.	7.821	-1.037	2.750	37.46	3.033	1.078
SDev	44.	.635	.054	.350	.09	.102	1.008
%RSD	.1262	8.120	5.237	12.74	.2531	3.365	93.52
#1	34810.	8.270	-.9989	2.998	37.52	3.105	1.791
#2	34750.	7.372	-1.076	2.502	37.39	2.961	.3651
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.740	281.4	-.3974	4.729	2.722	1.237	.0553
SDev	1.335	.4	1.1430	.724	1.781	1.114	1.663
%RSD	76.73	.1295	287.6	15.30	65.42	90.02	3008.
#1	2.684	281.7	-1.206	5.240	3.982	2.025	-1.121
#2	.7960	281.2	.4108	4.217	1.463	.4497	1.231
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.575	L-.0348	L-7.170	3.965
SDev	2.342	.3750	4.446	.577
%RSD	148.7	1077.	62.00	14.55
#1	3.231	.2303	L-4.027	4.373
#2	-.0806	L-.3000	L-10.31	3.557
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	906	1000	--	--	--	--	--
SDev	2.168579	.0000000	--	--	--	--	--
%RSD	.2393455	.0000000	--	--	--	--	--
#1	905	1000	--	--	--	--	--
#2	908	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740579 #32 Operator:
Run Time: 07/24/95 16:22:25
[redacted]ment: SDG:MAT548 ClientID:MAT567 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2852	142.8	4.486	.3704	45110.	.0733	.3106
SDev	.4281	1.3	.034	.0034	43.	.0394	.8289
%RSD	150.1	.9356	.7607	.9118	.0948	53.69	266.9
#1	.0176	143.7	4.511	.3680	45140.	.0455	.8967
#2	-.5879	141.8	4.462	.3728	45080.	.1011	-.2755
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.455	2.188	33.65	1925.	4012.	3.852	2.948
SDev	.259	.000	13.31	5.	1.	.897	.641
%RSD	17.79	.0073	39.55	.2588	.0204	23.29	21.75
#1	1.638	2.188	24.24	1928.	4012.	3.218	3.402
#2	1.272	2.188	43.07	1921.	4013.	4.487	2.495
[redacted]rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]igh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9658.	2.247	-2.738	.3465	7.100	.2347	.7022
SDev	140.	.003	1.186	.0021	.046	.1454	1.978
%RSD	1.452	.1115	43.31	.6030	.6466	61.96	281.6
#1	9757.	2.249	-3.577	.3480	7.067	.3375	-.6962
#2	9559.	2.245	-1.900	.3451	7.132	.1319	2.101
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3215	11.91	2.228	-.7734	.2376	.3503	-.0954
SDev	.0988	.51	1.931	.7459	1.632	.6667	2.0074
%RSD	30.72	4.307	86.66	96.45	686.7	190.3	2103.
#1	.2516	11.54	3.593	-1.301	-.9163	.8217	-1.515
#2	.3913	12.27	.8626	-.2459	1.392	-.1211	1.324
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	1.087	.3997	L-6.137	2.017
SDev	1.963	1.925	5.205	2.606
%RSD	180.5	481.7	84.81	129.2
#1	-.3005	1.761	L-2.457	3.860
#2	2.475	L-.9617	L-9.818	.1744
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	923	1000	--	--	--	--	--
SDev	1.414300	.0000000	--	--	--	--	--
%RSD	.1532541	.0000000	--	--	--	--	--
#1	922	1000	--	--	--	--	--
#2	924	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740580 #33 Operator:
Run Time: 07/24/95 16:28:01
[redacted]ment: SDG:MAT548 ClientID:MAX285 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3740	94.92	1.595	.3611	86.77	.2800	-.1207
SDev	.0839	2.30	.018	.0160	9.54	.0583	.0334
%RSD	22.45	2.421	1.108	4.430	10.99	20.82	27.63
#1	-.3146	96.55	1.607	.3724	80.02	.3212	-.0972
#2	-.4333	93.30	1.582	.3498	93.51	.2388	-.1443
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4242	.2469	20.93	60.22	4.546	.9201	L-.4998
SDev	.2563	.0793	6.59	10.41	1.347	.2143	.4035
%RSD	60.43	32.10	31.46	17.28	29.63	23.29	80.73
#1	.6054	.1908	16.28	67.58	3.594	.7686	L-.2145
#2	.2429	.3029	25.59	52.86	5.498	1.072	L-.7852
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	413.6	8.143	-.9250	-.3189	21.32	.4453	-1.166
SDev	158.8	.016	.5955	.0003	.05	.2758	2.071
%RSD	38.41	.2009	64.38	.0857	.2178	61.94	177.5
#1	525.9	8.155	-.5039	-.3191	21.35	.6403	-2.631
#2	301.3	8.132	-1.346	-.3188	21.29	.2502	.2980
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.740	-.0950	-.5326	.9198	2.513	1.340	-3.884
SDev	.665	.5583	.8777	.8528	.604	1.298	1.631
%RSD	38.22	588.0	164.8	92.72	24.05	96.88	42.00
#1	1.269	-.4898	-1.153	1.523	2.940	.4221	-5.037
#2	2.210	.2998	.0880	.3167	2.086	2.258	-2.730
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	.1771	L-.8918	L-3.500	2.154
SDev	2.291	.1041	3.880	1.894
%RSD	1294.	11.68	110.9	87.92
#1	-1.443	L-.8182	L-.7563	.8149
#2	1.797	L-.9655	L-6.243	3.493
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	929	1000	--	--	--	--	--
SDev	2.027149	.0000000	--	--	--	--	--
%RSD	.2182672	.0000000	--	--	--	--	--
#1	927	1000	--	--	--	--	--
#2	930	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740581 #34 Operator:
Run Time: 07/24/95 16:33:30
[redacted]ment: SDG:MAT548 ClientID:MAX294 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4383	165.3	5.232	.4069	75830.	.2166	.7181
SDev	.2853	1.0	.008	.0067	9.	.0887	.1624
%RSD	65.10	.5820	.1499	1.658	.0122	40.95	22.61
#1	-.2365	164.6	5.238	.4116	75830.	.1539	.8329
#2	-.6400	165.9	5.227	.4021	75840.	.2793	.6033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8765	1.874	78.67	2955.	7982.	229.1	2.543
SDev	.2179	.032	2.49	3.	4.	.3	.375
%RSD	24.86	1.688	3.163	.1177	.0470	.1475	14.76
#1	1.031	1.852	76.91	2952.	7985.	229.3	2.278
#2	.7224	1.897	80.43	2957.	7979.	228.9	2.809
[redacted]rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	50980.	3.225	-.7423	.3381	7.655	.4736	.6922
SDev	188.	.308	.1746	.4631	.112	.3637	.1575
%RSD	.3681	9.537	23.51	137.0	1.466	76.80	22.74
#1	50850.	3.007	-.6189	.0106	7.576	.2164	.8036
#2	51120.	3.442	-.8658	.6655	7.735	.7308	.5809
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.357	2.528	.3871	.5036	2.861	.5926	-1.333
SDev	.344	.322	1.331	1.210	.793	.1207	2.320
%RSD	25.33	12.75	343.8	240.2	27.72	20.36	174.0
#1	1.114	2.301	1.328	-.3518	2.300	.5073	.3074
#2	1.601	2.756	-.5539	1.359	3.422	.6780	-2.974
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	1.690	L-.5592	3.556	1.822
SDev	.922	.4361	.667	1.612
%RSD	54.57	77.99	18.76	88.44
#1	1.038	L-.8675	4.028	2.962
#2	2.342	L-.2508	3.084	.6826

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	906	1000	--	--	--	--	--
SDev	.7071499	.0000000	--	--	--	--	--
%RSD	.0780681	.0000000	--	--	--	--	--
#1	905	1000	--	--	--	--	--
#2	906	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740582 #35 Operator:
Run Time: 07/24/95 16:38:56
Comment: SDG:MAT548 ClientID:MAX295 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4942	138.9	21.72	.4048	32960.	.2575	1.567
SDev	.0839	3.0	.01	.0046	31.	.0284	.277
%RSD	16.98	2.135	.0289	1.142	.0944	11.01	17.70
#1	-.5535	136.8	21.73	.4015	32940.	.2375	1.371
#2	-.4349	141.0	21.72	.4081	32980.	.2776	1.763
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5109	1.537	2270.	3945.	3777.	1791.	3.589
SDev	.3460	.445	9.	1.	.	.	.101
%RSD	67.74	28.92	.3886	.0345	.0091	.0279	2.808
#1	.2662	1.223	2264.	3946.	3777.	1791.	3.518
#2	.7555	1.851	2276.	3944.	3777.	1791.	3.661
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	79160.	3.031	-.1318	.2763	7.986	.0205	-.7833
SDev	127.	.464	.7314	.0005	.065	.0019	.4043
%RSD	.1604	15.31	555.0	.1780	.8141	9.004	51.62
#1	79070.	2.703	.3854	.2759	7.940	.0192	-.4974
#2	79250.	3.359	-.6489	.2766	8.032	.0218	-1.069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1762	17.59	.2022	-.0833	.4740	.0144	-1.591
SDev	.5550	.38	1.302	.6526	.8734	.3960	.961
%RSD	314.9	2.176	643.8	783.0	184.3	2744.	60.39
#1	-.2162	17.32	1.123	-.5448	-.1436	-.2656	-.9117
#2	.5687	17.86	-.7182	.3781	1.092	.2944	-2.271
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.3923	L-2.335	L-3.779	2.312
SDev	.1254	5.522	.082	1.597
%RSD	31.96	236.5	2.157	69.07
#1	-.3037	1.570	L-3.722	1.183
#2	-.4809	L-6.239	L-3.837	3.441
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	910	1000	--	--	--	--	--
SDev	.8485368	.0000000	--	--	--	--	--
%RSD	.0932207	.0000000	--	--	--	--	--
#1	911	1000	--	--	--	--	--
#2	910	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740583 #36 Operator:
Run Time: 07/24/95 16:44:25
[redacted]mment: SDG:MAT548 ClientID:MAX296 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5087	140.2	24.38	.4671	10370.	.0659	3.010
SDev	.0167	4.0	.07	.0123	46.	.1107	.244
%RSD	3.278	2.819	.2774	2.637	.4442	168.0	8.113
#1	-.5204	143.0	24.33	.4584	10340.	-.0124	3.182
#2	-.4969	137.4	24.43	.4758	10400.	.1441	2.837
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1845	2.526	5905.	3218.	1536.	700.3	.3731
SDev	.4751	2.191	11.	7.	1.	1.5	.1879
%RSD	257.5	86.76	.1826	.2079	.0772	.2181	50.37
#1	-.1515	.9762	5897.	3214.	1537.	699.2	.2402
#2	.5204	4.075	5913.	3223.	1535.	701.4	.5060
[redacted]rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]igh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	69040.	4.773	.4213	.2612	10.68	.7219	-.1476
SDev	46.	4.261	3.960	.1195	.13	.1484	.2484
%RSD	.0669	89.29	940.0	45.76	1.175	20.56	168.3
#1	69010.	1.759	-2.379	.3458	10.59	.8268	.0281
#2	69080.	7.786	3.221	.1767	10.77	.6169	-.3232
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5841	15.89	-.6578	1.397	1.199	.2640	-3.213
SDev	.0773	.02	.3746	.410	.758	.2627	2.364
%RSD	13.24	.1151	56.96	29.31	63.26	99.52	73.59
#1	.6388	15.91	-.9227	1.687	1.735	.0782	-4.884
#2	.5294	15.88	-.3929	1.108	.6626	.4497	-1.541
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	1.370	1.945	L-2.177	2.378
SDev	1.553	1.725	6.512	1.877
%RSD	113.4	88.71	299.2	78.93
#1	2.468	3.165	L-6.781	1.051
#2	.2715	.7249	2.428	3.706
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	911	1000	--	--	--	--	--
SDev	.7542789	.0000000	--	--	--	--	--
%RSD	.0827987	.0000000	--	--	--	--	--
#1	912	1000	--	--	--	--	--
#2	910	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCV Operator:
Run Time: 07/24/95 16:49:57
Comment: CCV CVS1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.3	2032.	1019.	978.5	49270.	991.8	960.9
SDev	.6	2.	1.	.3	33.	.6	1.5
%RSD	.6278	.1218	.1017	.0317	.0667	.0583	.1520
#1	100.7	2034.	1019.	978.3	49290.	992.2	962.0
#2	99.82	2030.	1020.	978.8	49250.	991.4	959.9
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	963.1	1012.	1959.	47950.	47160.	947.5	1008.
SDev	.5	2.	11.	119.	1.	.0	.
%RSD	.0530	.1646	.5751	.2475	.0013	.0026	.0433
#1	962.8	1011.	1967.	47870.	47160.	947.4	1007.
#2	963.5	1014.	1951.	48040.	47160.	947.5	1008.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49640.	1002.	1047.	960.4	1028.	1011.	1029.
SDev	73.	1.	7.	.3	1.	3.	.
%RSD	.1466	.0970	.7157	.0292	.0751	.2922	.0410
#1	49590.	1003.	1041.	960.2	1028.	1008.	1029.
#2	49690.	1002.	1052.	960.6	1029.	1013.	1029.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1004.	1003.	981.5	1025.	969.2	1021.	1026.
SDev	4.	4.	1.7	5.	2.7	5.	1.
%RSD	.3919	.3607	.1746	.5153	.2776	.4460	.1032
#1	1001.	1006.	982.7	1021.	967.3	1018.	1025.
#2	1007.	1001.	980.3	1029.	971.1	1024.	1027.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1030.	985.8	986.6	1036.
SDev	.	2.1	4.9	3.
%RSD	.0101	.2135	.4923	.3065
#1	1030.	984.3	990.0	1034.
#2	1030.	987.3	983.2	1038.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	919	1000	--	--	--	--	--
SDev	.6128489	.0000000	--	--	--	--	--
%RSD	.0666856	.0000000	--	--	--	--	--
#1	919	1000	--	--	--	--	--
#2	919	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCB Operator:
Run Time: 07/24/95 16:55:34
[redacted]mment: CCB
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4689	10.98	.2766	.6579	7.405	.4633	.5845
SDev	.2686	.25	.0414	.0497	2.024	.3074	.4076
%RSD	57.28	2.242	14.98	7.548	27.33	66.35	69.74
#1	-.2789	10.80	.2473	.6228	5.974	.2460	.8727
#2	-.6588	11.15	.3059	.6931	8.836	.6807	.2963
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2555	-.8759	3.527	4.200	11.40	.2557	.9658
SDev	.0405	.1110	6.454	6.263	2.70	.0301	.0586
%RSD	15.86	12.67	183.0	149.1	23.67	11.77	6.068
#1	.2269	-.9544	8.090	8.629	9.489	.2344	1.007
#2	.2842	-.7974	-1.036	-.2286	13.31	.2770	.9244
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
[redacted]alue	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	159.1	.5677	-.6201	.4729	.2042	-.9977	-.8457
SDev	131.3	.4438	.1908	.4434	.1122	.2975	1.9655
%RSD	82.54	78.17	30.77	93.77	54.98	29.82	232.4
#1	252.0	.2539	-.4852	.1593	.2835	-1.208	-2.235
#2	66.24	.8815	-.7551	.7864	.1248	-.7873	.5441
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.375	-.2378	-.4939	-1.262	-.2808	2.189	-3.334
SDev	.814	1.0061	2.0495	1.469	1.9069	.269	3.556
%RSD	59.21	423.2	415.0	116.4	679.0	12.27	106.7
#1	1.951	.4737	.9553	-2.301	1.068	2.379	-5.848
#2	.7994	-.9492	-1.943	-.2229	-1.629	1.999	-.8191
[redacted]rrors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.3838	3.189	-.4191	2.199
SDev	1.171	2.007	3.2444	1.009
%RSD	305.2	62.95	774.2	45.90
#1	-.4445	1.770	1.875	2.912
#2	1.212	4.609	-2.713	1.485
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	946	1000	--	--	--	--	--
SDev	.8485799	.0000000	--	--	--	--	--
%RSD	.0896974	.0000000	--	--	--	--	--
#1	945	1000	--	--	--	--	--
#2	947	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740584 #39 Operator:
Run Time: 07/24/95 17:01:10
[illegible]ment: SDG:MAT548 ClientID:MAX297 1:1
[illegible]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2730	86.83	1.514	.5203	30.36	.1874	.2673
SDev	.2937	3.02	.040	.0218	1.40	.1656	.0147
%RSD	107.6	3.479	2.619	4.187	4.622	88.34	5.515
#1	-.4807	88.97	1.486	.5049	29.37	.0703	.2569
#2	-.0653	84.70	1.542	.5357	31.35	.3045	.2777
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5133	.2359	1.654	70.10	3.305	.3511	.1345
SDev	.1269	.1907	2.471	8.12	1.043	.0928	.1250
%RSD	24.73	80.84	149.5	11.59	31.54	26.43	92.97
#1	.4235	.1011	-.0940	64.35	2.568	.2855	.2229
#2	.6031	.3708	3.401	75.84	4.042	.4168	.0461
[illegible]rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[illegible]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	543.9	1.845	.7552	.2369	8.432	.4892	-1.052
SDev	131.7	.252	3.006	.1082	.115	.8478	.376
%RSD	24.21	13.65	398.0	45.69	1.368	173.3	35.71
#1	450.8	1.667	-1.370	.1604	8.351	-.1103	-1.318
#2	637.0	2.023	2.881	.3134	8.514	1.089	-.7864
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2680	-3.590	-.0133	.7271	1.165	-.1935	-.5420
SDev	.5669	1.008	1.3691	.5875	.795	1.2477	1.7761
%RSD	211.5	28.07	10330.	80.80	68.21	644.7	327.7
#1	.6688	-4.303	-.9814	.3117	.6031	.6888	.7139
#2	-.1329	-2.878	.9549	1.143	1.727	-1.076	-1.798
[illegible]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[illegible]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-1.320	L-1.235	3.085	1.781
SDev	1.450	3.358	2.798	1.115
%RSD	109.9	272.0	90.70	62.61
#1	-2.345	L-3.610	1.106	2.569
#2	-.2943	1.140	5.063	.9925
Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	929	1000	--	--	--	--	--
SDev	.0471721	.0000000	--	--	--	--	--
%RSD	.0050769	.0000000	--	--	--	--	--
#1	929	1000	--	--	--	--	--
#2	929	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740631 #40 Operator:
Run Time: 07/24/95 17:06:36
Comment: SDG:MAT548 ClientID:MAT551 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0927	649.1	7.548	.5270	10980.	.1835	.1707
SDev	.0168	2.1	.021	.0154	3.	.0941	.0084
%RSD	18.14	.3170	.2724	2.930	.0273	51.26	4.925
#1	-.0808	650.6	7.534	.5379	10980.	.1170	.1767
#2	-.1045	647.7	7.563	.5160	10970.	.2500	.1648
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.118	1.410	403.4	1264.	1764.	210.2	24.70
SDev	.764	.016	4.4	14.	3.	.3	.13
%RSD	68.33	1.105	1.084	1.078	.1597	.1383	.5182
#1	.5777	1.421	400.4	1255.	1766.	210.0	24.79
#2	1.658	1.399	406.5	1274.	1762.	210.4	24.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18410.	1.424	-1.295	1.088	44.95	.2961	-.0703
SDev	114.	.050	3.087	.460	.19	1.929	.8449
%RSD	.6187	3.483	238.4	42.30	.4169	651.5	1202.
#1	18330.	1.389	.8879	1.413	45.09	1.660	-.6677
#2	18500.	1.459	-3.478	.7626	44.82	-1.068	.5271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3556	3.255	2.156	-.6481	.6317	.2055	2.199
SDev	.1422	.412	.378	3.0796	.0243	.1999	1.133
%RSD	39.98	12.65	17.53	475.2	3.848	97.25	51.51
#1	.2550	2.964	1.889	1.530	.6145	.0642	3.000
#2	.4561	3.546	2.424	-2.826	.6489	.3469	1.398
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-1.215	.4349	21.73	1.119
SDev	1.833	.4434	4.85	.110
%RSD	150.9	101.9	22.35	9.803
#1	-2.512	.1214	18.29	1.196
#2	.0810	.7485	25.16	1.041
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	922	1000	--	--	--	--	--
SDev	1.461429	.0000000	--	--	--	--	--
%RSD	.1585500	.0000000	--	--	--	--	--
#1	921	1000	--	--	--	--	--
#2	923	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740632 #41 Operator:
Run Time: 07/24/95 17:12:02
Comment: SDG:MAT548 ClientID:MAT552 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0702	142.2	30.08	.4707	21270.	.1983	1.302
SDev	.2014	1.7	.03	.0037	69.	.0606	.757
%RSD	287.1	1.179	.1011	.7968	.3253	30.56	58.13
#1	.0723	143.4	30.06	.4734	21310.	.1555	1.838
#2	-.2126	141.1	30.10	.4681	21220.	.2412	.7671
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7193	1.606	25.29	3255.	3250.	66.21	.1480
SDev	.4739	.413	9.99	1.	6.	.15	.9543
%RSD	65.88	25.70	39.52	.0283	.1969	.2325	644.7
#1	1.054	1.314	32.36	3255.	3254.	66.32	.8228
#2	.3842	1.897	18.22	3254.	3245.	66.10	L-.5268
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	30980.	3.986	.1999	.8830	11.54	.0639	-.6666
SDev	38.	.707	1.623	.3447	.08	1.365	1.1696
%RSD	.1232	17.74	812.2	39.04	.6722	2137.	175.5
#1	31010.	3.486	1.348	1.127	11.60	-.9012	-1.494
#2	30960.	4.486	-.9479	.6392	11.49	1.029	.1605
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.9030	-.1455	-.2081	.1866	-1.165	-.7854	-2.277
SDev	.3749	.4186	2.8455	.6255	.202	.6627	2.411
%RSD	41.52	287.7	1367.	335.3	17.31	84.38	105.9
#1	-1.168	.1505	-2.220	-.2557	-1.022	-1.254	-3.982
#2	-.6379	-.4415	1.804	.6289	-1.307	-.3168	-.5722
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.1244	L-.7135	2.964	1.687
SDev	.5498	3.4134	4.554	1.722
%RSD	441.9	478.4	153.7	102.1
#1	-.2643	1.700	6.184	.4689
#2	.5132	L-3.127	L-.2566	2.904
Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	917	1000	--	--	--	--	--
SDev	1.697160	.0000000	--	--	--	--	--
%RSD	.1850816	.0000000	--	--	--	--	--
#1	916	1000	--	--	--	--	--
#2	918	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740633 #42 Operator:
Run Time: 07/24/95 17:17:28
Comment: SDG:MAT548 ClientID:MAT553 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1651	131.0	29.60	.5222	20770.	.0270	1.354
SDev	.6882	3.6	.04	.0284	17.	.0578	.142
%RSD	417.0	2.771	.1496	5.448	.0798	214.2	10.49
#1	-.6517	128.4	29.57	.5021	20780.	.0678	1.254
#2	.3216	133.6	29.63	.5423	20760.	-.0139	1.455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6026	.8307	7.515	3152.	3185.	65.39	.2588
SDev	.1310	.1433	6.711	11.	1.	.20	.3968
%RSD	21.74	17.25	89.29	.3378	.0219	.3105	153.4
#1	.6952	.7294	2.770	3144.	3185.	65.53	.5394
#2	.5100	.9320	12.26	3159.	3184.	65.24	L-.0218
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	30390.	3.781	-2.753	.4890	16.23	-.1282	-.9062
SDev	17.	.506	.801	.0091	.15	.0291	.9082
%RSD	.0572	13.39	29.10	1.864	.9163	22.68	100.2
#1	30380.	3.423	-2.186	.4954	16.13	-.1076	-1.548
#2	30410.	4.139	-3.319	.4825	16.34	-.1487	-.2640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8734	-1.250	2.079	-1.245	-.4839	1.539	-.7904
SDev	.2004	2.005	.631	.359	1.7525	.576	.4316
%RSD	22.95	160.5	30.36	28.81	362.2	37.40	54.60
#1	1.015	.1683	1.632	-.9911	.7553	1.132	-1.096
#2	.7317	-2.668	2.525	-1.498	-1.723	1.946	-.4852
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.9771	L-1.396	L-.0793	1.750
SDev	1.1462	.861	4.4305	.819
%RSD	117.3	61.70	5584.	46.79
#1	-1.788	L-.7871	L-3.212	1.171
#2	-.1666	L-2.005	3.054	2.329
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	914	1000	--	--	--	--	--
SDev	1.508558	.0000000	--	--	--	--	--
%RSD	.1651141	.0000000	--	--	--	--	--
#1	913	1000	--	--	--	--	--
#2	915	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740634 #43 Operator:
Run Time: 07/24/95 17:22:55
Comment: SDG:MAT548 ClientID:MAT554 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3246	234.1	12.61	.5331	11090.	.2459	.8014
SDev	.2434	1.6	.07	.0162	27.	.1973	.4697
%RSD	74.97	.6922	.5399	3.034	.2433	80.22	58.61
#1	-.1525	233.0	12.56	.5445	11070.	.1064	.4693
#2	-.4967	235.3	12.65	.5216	11110.	.3854	1.134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.239	1.628	1783.	2994.	3677.	56.43	.4941
SDev	.214	.286	15.	8.	5.	.04	.4048
%RSD	17.25	17.59	.8298	.2643	.1486	.0739	81.94
#1	1.088	1.426	1773.	2988.	3673.	56.46	.7803
#2	1.391	1.830	1794.	2999.	3681.	56.40	.2078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14620.	1.526	-.3697	1.479	10.02	1.456	-1.353
SDev	137.	.504	1.4371	.553	.18	.480	.125
%RSD	.9384	33.05	388.8	37.39	1.797	32.97	9.209
#1	14520.	1.170	.6465	1.088	9.897	1.795	-1.441
#2	14710.	1.883	-1.386	1.869	10.15	1.116	-1.265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.637	2.274	1.232	1.554	2.005	1.440	-.9607
SDev	.015	.152	3.245	.901	2.374	1.209	.5345
%RSD	.9432	6.678	263.4	57.96	118.4	83.93	55.64
#1	1.648	2.166	3.527	.9173	.3265	2.295	-.5827
#2	1.626	2.381	-1.063	2.191	3.684	.5853	-1.339
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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DATA

Avge	-1.561	2.171	2.320	4.402
SDev	.455	.799	6.057	.735
%RSD	29.14	36.81	261.1	16.69
#1	-1.882	1.606	L-1.963	3.882
#2	-1.239	2.737	6.604	4.921
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	928	1000	--	--	--	--	--
SDev	.8485799	.0000000	--	--	--	--	--
%RSD	.0914701	.0000000	--	--	--	--	--
#1	928	1000	--	--	--	--	--
#2	927	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740635 #44 Operator:
Run Time: 07/24/95 17:28:21
Comment: SDG:MAT548 ClientID:MAT562 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3561	91530.	1.336	.5038	-23.53	-.3206	720.6
SDev	.0252	17.	.049	.0021	.67	.0512	.8
%RSD	7.070	.0183	3.684	.4252	2.837	15.96	.1096
#1	-.3739	91520.	1.301	.5022	-24.00	-.2844	720.0
#2	-.3383	91540.	1.371	.5053	-23.06	-.3568	721.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.711	27.09	797.0	84.28	.9712	.2989	.1577
SDev	.036	.25	.7	7.74	2.501	.0315	.2186
%RSD	.4717	.9383	.0933	9.186	257.5	10.53	138.6
#1	7.686	26.91	797.5	78.80	2.739	.2766	.0031
#2	7.737	27.27	796.4	89.75	-.7969	.3211	.3123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1041.	83.26	-5.548	.0002	868.4	-.0736	5.281
SDev	92.	.19	.331	.1170	1.9	.2902	1.215
%RSD	8.816	.2271	5.963	47570.	.2229	394.5	23.01
#1	976.4	83.13	-5.314	.0830	867.0	.1316	4.421
#2	1106.	83.39	-5.782	-.0825	869.8	-.2788	6.140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.627	-3.547	42.23	-21.21	2.984	.9359	.7576
SDev	1.066	1.234	.95	.91	.356	1.776	3.946
%RSD	65.53	34.79	2.247	4.285	11.93	189.7	520.8
#1	2.380	-4.419	41.56	-20.57	2.732	2.192	-2.032
#2	.8729	-2.674	42.90	-21.85	3.235	-.3197	3.548
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	7.526	1.671	1.063	1.636
[illegible]ev	.148	2.737	3.688	.624
[illegible]SD	1.964	163.8	346.8	38.12
#1	7.630	L-.2647	L-1.545	1.195
#2	7.421	3.607	3.672	2.078
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	906	1000	--	--	--	--	--
SDev	.7542789	.0000000	--	--	--	--	--
%RSD	.0832251	.0000000	--	--	--	--	--
#1	906	1000	--	--	--	--	--
#2	907	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 740636 #45 Operator:
Run Time: 07/24/95 17:33:47
Comment: SDG:MAT548 ClientID:MAT563 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0444	H1135000.	2785.	3178.	100900.	L-745.4	467.0
SDev	.4028	14321.	118.	17.	1385.	280.6	182.9
%RSD	907.4	1.262	4.243	.5458	1.373	37.64	39.16
#1	.2405	H1124000.	2869.	3166.	99900.	L-547.1	596.3
#2	-.3292	H1145000.	2702.	3191.	101900.	L-943.8	337.7
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2676.	-.2430	L-2357.	295400.	35630.	521.1	103.7
SDev	589.	.5707	13148.	17359.	694.	.4	849.4
%RSD	22.02	234.8	557.8	5.877	1.948	.0697	819.4
#1	3092.	.1605	L-11650.	307600.	35130.	521.4	L-497.0
#2	2259.	-.6466	6940.	283100.	36120.	520.9	704.3
[redacted]rors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	H611200.	638.1	L-13930.	942.1	H10610.	5787.	2171.
SDev	3753.	98.1	2071.	12.9	113.	956.	1880.
%RSD	.6141	15.37	14.87	1.367	1.063	16.52	86.62
#1	H608500.	707.5	L-15390.	933.0	H10530.	6463.	841.2
#2	H613800.	568.8	L-12460.	951.2	H10690.	5111.	3500.
Errors	LC High	LC Pass	LC Low	LC Pass	LC High	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1533.	L-7282.	26890.	-4777.	-3071.	3806.	-19330.
SDev	1755.	644.	385.	1625.	3598.	836.	927.
%RSD	114.5	8.841	1.432	34.02	117.1	21.96	4.797
#1	291.7	L-6826.	26620.	-3628.	-5615.	3215.	-18670.
#2	2774.	L-7737.	27170.	-5926.	-527.3	4397.	-19990.
[redacted]rors	LC Pass	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED

Avge	12880.	H11260.	6263.	3132.
SDev	3282.	3905.	8018.	2236.
%RSD	25.48	34.68	128.0	71.39
#1	10560.	8499.	H11930.	4712.
#2	15200.	H14020.	593.9	1551.
Errors	NOCHECK	LC High	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	0	1000	--	--	--	--	--
SDev	.0000000	.0000000	--	--	--	--	--
%RSD	.0000000	.0000000	--	--	--	--	--
#1	0	1000	--	--	--	--	--
#2	0	1000	--	--	--	--	--

AMENDED

Method: CLPSUE Sample Name: 739942 #46 Operator:
Run Time: 07/24/95 17:39:14
[redacted]mment: SDG:10591M ClientID:MW-1 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1667	426.3	125.5	.4328	7931.	.0440	.7356
SDev	.5288	1.6	.1	.0092	10.	.1189	.4998
%RSD	317.1	.3857	.0422	2.135	.1227	270.2	67.94
#1	.2071	427.5	125.5	.4263	7938.	.1281	1.089
#2	-.5406	425.1	125.6	.4394	7924.	-.0401	.3822
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.378	-.5808	646.0	1169.	2791.	7.780	L-.2756
SDev	.122	.0158	10.4	.	3.	.053	.0069
%RSD	8.882	2.713	1.606	.0117	.1178	.6799	2.499
#1	1.291	-.5919	653.3	1169.	2793.	7.743	L-.2707
#2	1.465	-.5696	638.6	1169.	2789.	7.818	L-.2805
[redacted]rrors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
[redacted]igh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4394.	1.826	-.5718	1.522	7.939	-.4963	-1.458
SDev	77.	.642	1.5228	.109	.177	.5864	.571
%RSD	1.750	35.18	266.3	7.188	2.227	118.2	39.16
#1	4340.	1.372	-1.649	1.599	8.064	-.0816	-1.055
#2	4448.	2.281	.5050	1.445	7.814	-.9109	-1.862
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601.
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4245	.1451	-1.172	-.1718	2.551	-.6497	-3.057
SDev	.3714	.4054	1.242	.2590	3.257	1.0693	2.765
%RSD	87.50	279.4	106.0	150.7	127.7	164.6	90.46
#1	.1619	-.1416	-.2932	.0113	.2474	.1064	-1.102
#2	.6871	.4318	-2.050	-.3550	4.854	-1.406	-5.013
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-.6728	L-.0469	45.77	1.946
SDev	.5246	.0750	1.88	.291
%RSD	77.97	160.0	4.118	14.95
#1	-1.044	L-.0999	47.10	1.740
#2	-.3018	.0062	44.43	2.151
Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	944	1000	--	--	--	--	--
SDev	.9899668	.0000000	--	--	--	--	--
%RSD	.1048752	.0000000	--	--	--	--	--
#1	943	1000	--	--	--	--	--
#2	945	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Sample Name: 739948 #47 Operator:
Run Time: 07/24/95 17:44:41
Comment: SDG:10591M ClientID:MW-1D 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1845	422.4	125.5	.4460	7921.	.2146	.6094
SDev	.0168	4.4	.2	.0029	30.	.0626	.6778
%RSD	9.097	1.031	.1264	.6451	.3828	29.19	111.2
#1	-.1727	419.3	125.7	.4440	7899.	.1703	.1301
#2	-.1964	425.5	125.4	.4481	7942.	.2589	1.089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.207	-.8501	657.6	1155.	2789.	7.739	L-.3793
SDev	.124	.3654	9.3	1.	3.	.035	.0220
%RSD	10.25	42.98	1.413	.1084	.1219	.4525	5.812
#1	1.295	-1.108	651.0	1154.	2787.	7.714	L-.3637
#2	1.120	-.5918	664.2	1156.	2791.	7.763	L-.3949
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4312.	1.163	-2.490	1.368	8.080	1.272	-.6565
SDev	79.	.000	.594	.551	.117	.231	1.2116
%RSD	1.838	.0270	23.86	40.30	1.449	18.18	184.6
#1	4255.	1.163	-2.070	.9779	7.997	1.435	-1.513
#2	4368.	1.163	-2.910	1.757	8.163	1.108	.2003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2048	-1.801	2.710	.5412	-1.663	1.124	1.030
SDev	.0626	1.139	.515	.6037	.585	.198	2.063
%RSD	30.57	63.22	18.99	111.6	35.19	17.63	200.3
#1	.1605	-.9962	2.346	.9681	-2.076	1.265	-.4291
#2	.2491	-2.607	3.074	.1143	-1.249	.9842	2.489
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-1.511	L-1.413	46.79	1.544
SDev	.787	.009	2.32	1.520
%RSD	52.05	.6279	4.968	98.46
#1	-2.067	L-1.420	45.14	2.618
#2	-.9549	L-1.407	48.43	.4689
Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	941	1000	--	--	--	--	--
SDev	.5657200	.0000000	--	--	--	--	--
%RSD	.0601032	.0000000	--	--	--	--	--
#1	942	1000	--	--	--	--	--
#2	941	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739947 #48 Operator:
Run Time: 07/24/95 17:50:08
Comment: SDG:10591M ClientID:MW-1S 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	50.49	2301.	2128.	49.92	7936.	51.14	481.2
SDev	.08	1.	1.	.03	5.	.03	.1
%RSD	.1496	.0367	.0672	.0523	.0676	.0511	.0145
#1	50.44	2300.	2127.	49.94	7932.	51.12	481.2
#2	50.55	2301.	2129.	49.90	7940.	51.16	481.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	196.9	252.4	1670.	1199.	2797.	490.7	L-.3892
SDev	.6	1.0	5.	12.	4.	.0	.3343
%RSD	.3010	.3962	.3063	1.012	.1462	.0019	85.90
#1	197.3	251.7	1674.	1208.	2794.	490.7	L-.6256
#2	196.5	253.1	1667.	1191.	2800.	490.7	L-.1528
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4592.	507.1	2061.	485.9	520.1	499.3	1999.
SDev	73.	1.1	2.	.1	.6	.7	11.
%RSD	1.585	.2230	.1067	.0176	.1196	.1329	.5699
#1	4644.	506.3	2060.	485.9	519.6	499.8	2007.
#2	4541.	507.9	2063.	485.8	520.5	498.9	1991.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	509.3	1962.	485.4	506.2	491.9	517.9	1986.
SDev	.5	3.	1.2	.4	.7	.5	4.
%RSD	.1034	.1343	.2379	.0827	.1378	.0872	.2079
#1	508.9	1964.	486.3	506.5	491.4	517.6	1989.
#2	509.6	1960.	484.6	505.9	492.4	518.2	1983.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	2005.	.2662	55.41	.9576
SDev	15.	3.999	4.38	2.951
%RSD	.7489	1502.	7.903	308.2
#1	2016.	3.094	58.50	3.045
#2	1994.	L-2.562	52.31	L-1.129
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	942	1000	--	--	--	--	--
SDev	1.037139	.0000000	--	--	--	--	--
%RSD	.1101020	.0000000	--	--	--	--	--
#1	941	1000	--	--	--	--	--
#2	943	1000	--	--	--	--	--

AMENDED

Method: CLPSUE Sample Name: CCV Operator:
Run Time: 07/24/95 17:55:35
Comment: CCV CVS1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	99.84	2032.	1019.	975.7	48960.	991.5	952.8
SDev	.33	3.	1.	.9	15.	.8	.3
%RSD	.3278	.1493	.0650	.0881	.0308	.0763	.0367
#1	100.1	2030.	1019.	975.1	48950.	991.0	953.0
#2	99.60	2034.	1020.	976.3	48970.	992.0	952.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	956.0	1009.	1925.	48020.	46730.	939.3	1006.
SDev	.3	.	6.	41.	3.	.6	5.
%RSD	.0280	.0017	.2879	.0843	.0059	.0644	.4486
#1	956.2	1009.	1921.	47990.	46730.	939.7	1002.
#2	955.8	1009.	1929.	48050.	46720.	938.9	1009.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49470.	1001.	1047.	952.1	1027.	1005.	1033.
SDev	106.	1.	3.	.9	1.	.	3.
%RSD	.2152	.1122	.3086	.0901	.0541	.0110	.2556
#1	49550.	999.8	1045.	952.7	1026.	1005.	1034.
#2	49400.	1001.	1050.	951.4	1027.	1005.	1031.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1005.	1004.	969.6	1023.	963.7	1025.	1024.
SDev	2.	2.	1.0	.	5.7	1.	2.
%RSD	.1562	.1911	.0986	.0306	.5935	.0492	.1846
#1	1006.	1006.	970.3	1022.	967.7	1025.	1026.
#2	1004.	1003.	968.9	1023.	959.7	1026.	1023.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1037.	979.1	985.2	1038.
SDev	3.	.4	1.2	3.
%RSD	.2908	.0458	.1241	.2762
#1	1039.	979.4	986.1	1040.
#2	1035.	978.8	984.3	1036.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	918	1000	--	--	--	--	--
SDev	.2357310	.0000000	--	--	--	--	--
%RSD	.0256896	.0000000	--	--	--	--	--
#1	918	1000	--	--	--	--	--
#2	917	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCB Operator:
Run Time: 07/24/95 18:01:12
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3027	15.61	.3668	.7244	3.213	.2963	.2210
SDev	.1343	1.39	.0627	.0217	1.085	.1414	.1091
%RSD	44.37	8.927	17.09	3.001	33.76	47.71	49.36
#1	-.3976	14.62	.4112	.7398	3.980	.1963	.2981
#2	-.2077	16.59	.3225	.7090	2.446	.3963	.1438
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1072	-1.089	-3.869	-5.587	7.262	.1909	.8776
SDev	.0842	.254	2.462	2.089	2.414	.0005	.1094
%RSD	78.60	23.31	63.64	37.38	33.25	.2577	12.47
#1	.1667	-.9098	-5.610	-7.064	8.969	.1913	.9549
#2	.0476	-1.269	-2.128	-4.110	5.555	.1906	.8002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-65.29	.0458	.0123	.2418	.1256	-1.036	-.8896
SDev	17.59	.0002	.8503	.3322	.0002	.169	.3415
%RSD	26.95	.3711	6898.	137.4	.1644	16.26	38.38
#1	-52.85	.0457	-.5889	.4767	.1255	-1.155	-1.131
#2	-77.73	.0459	.6136	.0069	.1258	-.9170	-.6482
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.014	-1.803	1.079	-2.105	1.743	2.137	-2.038
SDev	.800	1.033	1.158	.831	1.722	.340	.788
%RSD	39.74	57.30	107.3	39.46	98.80	15.92	38.67
#1	2.580	-2.533	1.898	-2.692	2.961	2.377	-2.596
#2	1.448	-1.072	.2603	-1.517	.5253	1.896	-1.481
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.3288	.9097	-3.221	.3447
SDev	.1184	3.540	.661	3.365
%RSD	36.02	389.2	20.52	976.2
#1	-.4125	3.413	-3.688	2.724
#2	-.2451	-1.594	-2.754	-2.035
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	948	1000	--	--	--	--	--
SDev	1.461429	.0000000	--	--	--	--	--
%RSD	.1542003	.0000000	--	--	--	--	--
#1	947	1000	--	--	--	--	--
#2	949	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: SDI739942 #51 Operator:
Run Time: 07/24/95 18:06:48
Comment: SDG:10591M ClientID:MW-1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1604	171.7	26.83	.5809	1623.	.0664	.3043
SDev	.1846	.0	.03	.0290	1.	.0455	.0971
%RSD	115.1	.0085	.1202	4.990	.0540	68.49	31.90
#1	-.2909	171.7	26.86	.6013	1623.	.0986	.2357
#2	-.0298	171.7	26.81	.5604	1622.	.0342	.3730
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.033	2.234	137.5	298.7	558.9	1.967	.6488
SDev	.211	3.651	3.2	8.7	1.3	.029	.4008
%RSD	20.39	163.4	2.312	2.921	.2351	1.475	61.78
#1	1.181	-.3476	135.3	304.9	558.0	1.947	.9322
#2	.8837	4.816	139.8	292.5	559.8	1.988	.3653
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1449.	130.3	.0379	.1389	6.298	.7820	-.0085
SDev	7.	35.9	.2449	.4443	.338	.0975	2.5347
%RSD	.5107	27.55	646.7	319.8	5.362	12.46	29820.
#1	1444.	104.9	-.1353	.4531	6.059	.8509	1.784
#2	1454.	155.7	.2111	-.1752	6.537	.7131	-1.801
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.015	-.7348	.6807	.8198	-3.124	.0254	-2.615
SDev	1.466	.3131	1.335	.8128	.256	2.070	4.600
%RSD	144.5	42.62	196.2	99.15	8.198	8165.	175.9
#1	.0218	-.9562	-.2636	1.395	-2.943	1.489	.6376
#2	-2.052	-.5134	1.625	.2450	-3.305	-1.438	-5.868
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	1.281	2.247	8.099	1.273
[illegible]ev	1.505	1.460	3.492	.969
[illegible]SD	117.5	64.99	43.12	76.16
#1	2.345	3.280	10.57	1.958
#2	.2171	1.214	5.629	.5873
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	939	1000	--	--	--	--	--
SDev	.6600210	.0000000	--	--	--	--	--
%RSD	.0703012	.0000000	--	--	--	--	--
#1	938	1000	--	--	--	--	--
#2	939	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739944 #52 Operator:
Run Time: 07/24/95 18:12:15
Comment: SDG:10591M ClientID:MW-1SD 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4517	456.7	127.1	.5263	7971.	-.0240	.6859
SDev	.2266	.1	.2	.0086	21.	.0889	.5305
%RSD	50.17	.0142	.1442	1.632	.2643	370.7	77.35
#1	-.2914	456.6	127.3	.5324	7956.	-.0868	1.061
#2	-.6119	456.7	127.0	.5202	7986.	.0389	.3108
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.788	-.5242	722.4	1193.	2816.	8.504	.2773
SDev	.040	.0952	2.2	5.	1.	.006	.1087
%RSD	2.223	18.17	.2978	.3883	.0339	.0711	39.20
#1	1.816	-.5916	720.9	1196.	2815.	8.500	.2004
#2	1.760	-.4569	723.9	1189.	2817.	8.508	.3541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4344.	1.721	-1.087	1.664	8.924	.3502	-1.623
SDev	35.	.100	.547	.112	.119	.5183	1.960
%RSD	.8019	5.802	50.34	6.754	1.335	148.0	120.8
#1	4369.	1.650	-1.474	1.585	8.839	-.0163	-3.009
#2	4319.	1.791	-.7002	1.744	9.008	.7167	-.2371
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.9036	-1.328	2.088	-.5311	1.033	.8262	-2.443
SDev	1.465	.540	.099	.8276	1.746	1.325	.838
%RSD	162.2	40.65	4.737	155.8	169.0	160.4	34.32
#1	-.1325	-1.709	2.158	-1.116	-.2017	-.1107	-1.850
#2	1.940	-.9460	2.018	.0541	2.268	1.763	-3.035
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-1.227	2.547	54.19	.9240
SDev	3.357	1.517	.13	.3035
%RSD	273.7	59.56	.2488	32.85
#1	-3.601	3.619	54.29	.7094
#2	1.147	1.474	54.10	1.139
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	945	1000	--	--	--	--	--
SDev	.6600210	.0000000	--	--	--	--	--
%RSD	.0698696	.0000000	--	--	--	--	--
#1	945	1000	--	--	--	--	--
#2	944	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739945 #53 Operator:
Run Time: 07/24/95 18:17:42
[redacted]ment: SDG:10591M ClientID:MW-6 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5902	182.4	498.6	.5450	42160.	-.1408	19.71
SDev	.3608	2.0	.1	.0091	29.	.0607	.18
%RSD	61.14	1.100	.0102	1.669	.0679	43.07	.9123
#1	-.8453	183.8	498.7	.5515	42140.	-.0979	19.83
#2	-.3350	181.0	498.6	.5386	42180.	-.1837	19.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.464	-.4716	7984.	2917.	9884.	1563.	L-.1023
SDev	.127	.6193	15.	.	2.	1.	.2589
%RSD	8.686	131.3	.1930	.0155	.0184	.0781	253.2
#1	1.374	-.9095	7973.	2917.	9885.	1563.	.0808
#2	1.554	-.0336	7995.	2917.	9883.	1564.	L-.2853
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18250.	6.719	-2.042	.7370	2.191	-.6062	-.4119
SDev	30.	.960	1.043	.2313	.055	.4760	1.6657
%RSD	.1663	14.29	51.05	31.39	2.523	78.53	404.4
#1	18270.	6.040	-2.779	.9006	2.152	-.2696	.7660
#2	18230.	7.398	-1.305	.5735	2.230	-.9428	-1.590
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4976	-1.546	.4271	-1.135	.9459	.2609	2.725
SDev	.1923	.269	1.050	.190	.6394	.6074	5.241
%RSD	38.63	17.40	245.8	16.71	67.60	232.8	192.3
#1	.6336	-1.737	1.169	-1.001	.4938	.6904	6.431
#2	.3617	-1.356	-.3152	-1.269	1.398	-.1687	-.9808
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-1.991	.1047	L-2.047	1.536
SDev	.119	1.292	1.558	2.800
%RSD	5.988	1234.	76.09	182.2
#1	-2.075	1.018	L-3.149	L-.4434
#2	-1.907	L-.8087	L-.9457	3.516

Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	923	1000	--	--	--	--	--
SDev	.2356879	.0000000	--	--	--	--	--
%RSD	.0255254	.0000000	--	--	--	--	--
#1	923	1000	--	--	--	--	--
#2	924	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739946 #54 Operator:
Run Time: 07/24/95 18:23:08
[redacted]ment: SDG:10591M ClientID:MW-3 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0409	2845.	94.46	.6670	16700.	.0400	1.935
SDev	.3777	3.	.05	.0187	18.	.1280	.193
%RSD	924.0	.1113	.0561	2.811	.1069	319.7	9.994
#1	.2262	2843.	94.43	.6803	16710.	.1305	1.798
#2	-.3079	2847.	94.50	.6537	16690.	-.0505	2.072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.472	6.055	4477.	1521.	6983.	71.33	.8596
SDev	.135	2.270	3.	7.	.	.01	.1538
%RSD	2.474	37.49	.0692	.4712	.0012	.0100	17.90
#1	5.568	4.450	4479.	1526.	6983.	71.33	.9684
#2	5.377	7.660	4475.	1516.	6983.	71.34	.7509
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	T11908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6151.	8.256	.5732	10.57	23.80	1.979	-.6963
SDev	110.	2.770	.6604	.01	.02	.361	.5364
%RSD	1.787	33.55	115.2	.1294	.0777	18.23	77.03
#1	6229.	6.298	.1062	10.58	23.79	2.234	-1.076
#2	6073.	10.21	1.040	10.56	23.81	1.724	-.3171
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1977	1.001	5.950	-.0173	1.409	-.4196	-1.712
SDev	.1251	1.472	1.243	.0784	3.034	1.3275	.384
%RSD	63.25	147.0	20.89	454.3	215.4	316.4	22.46
#1	.1093	2.042	6.829	-.0727	-.7370	.5190	-1.440
#2	.2862	-.0396	5.071	.0382	3.554	-1.358	-1.984
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	-.2028	.0685	237.4	3.751
Dev	.9972	1.164	5.7	1.372
%RSD	491.6	1699.	2.406	36.57
#1	-.9080	L-.7546	241.4	4.721
#2	.5023	.8915	233.3	2.781
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	941	1000	--	--	--	--	--
SDev	1.508558	.0000000	--	--	--	--	--
%RSD	.1603404	.0000000	--	--	--	--	--
#1	940	1000	--	--	--	--	--
#2	942	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739950 #55 Operator:
Run Time: 07/24/95 18:28:35
[redacted]ment: SDG:10591M ClientID:MW-8 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4241	411.3	70.63	.5770	43670.	.1310	1.523
SDev	.1175	5.0	.15	.0100	74.	.0534	.086
%RSD	27.71	1.220	.2095	1.729	.1698	40.74	5.655
#1	-.5072	407.8	70.53	.5700	43730.	.0933	1.584
#2	-.3410	414.9	70.74	.5841	43620.	.1688	1.462
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.329	.0898	455.2	7677.	17640.	198.3	7.075
SDev	.595	.7780	6.3	3.	5.	.2	.099
%RSD	25.56	866.1	1.389	.0390	.0283	.1119	1.395
#1	2.750	-.4603	459.7	7675.	17640.	198.5	7.145
#2	1.908	.6400	450.7	7679.	17630.	198.2	7.005
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	45470.	3.869	-1.239	3.828	2.776	-.4840	1.876
SDev	33.	.155	1.995	.005	.120	.8181	1.677
%RSD	.0716	4.008	161.1	.1423	4.306	169.0	89.40
#1	45490.	3.759	-2.650	3.824	2.692	.0945	3.062
#2	45440.	3.979	.1720	3.831	2.861	-1.062	.6900
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.226	-2.053	-2.014	.2668	2.247	.7030	-.2709
SDev	.230	1.022	1.023	.7160	1.280	.9830	2.6831
%RSD	18.72	49.81	50.77	268.3	56.95	139.8	990.6
#1	1.388	-1.330	-1.291	.7731	1.342	1.398	1.626
#2	1.064	-2.775	-2.737	-.2394	3.152	.0078	-2.168
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	2.934	.0929	27.03	2.597
SDev	1.175	.4397	2.51	.477
%RSD	40.03	473.1	9.293	18.38
#1	3.765	.4039	28.80	2.260
#2	2.104	L-.2180	25.25	2.935
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	920	1000	--	--	--	--	--
SDev	.7071499	.0000000	--	--	--	--	--
%RSD	.0768854	.0000000	--	--	--	--	--
#1	920	1000	--	--	--	--	--
#2	919	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739954 #56 Operator:
Run Time: 07/24/95 18:34:02
Comment: SDG:10591M ClientID:MW-13 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4419	2702.	116.1	.7320	1818.	.0982	1.714
SDev	.1678	3.	.0	.0019	6.	.0354	.109
%RSD	37.98	.1099	.0080	.2553	.3042	36.01	6.346
#1	-.3233	2700.	116.1	.7307	1814.	.1232	1.637
#2	-.5606	2704.	116.1	.7333	1822.	.0732	1.791
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13.50	5.132	3963.	1587.	1602.	117.9	1.370
SDev	.34	.953	3.	4.	.	.1	.102
%RSD	2.508	18.56	.0822	.2544	.0226	.1245	7.448
#1	13.74	4.459	3966.	1584.	1602.	118.0	1.298
#2	13.26	5.806	3961.	1590.	1602.	117.8	1.442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1809.	11.16	-.7814	5.510	35.01	.7889	-2.075
SDev	41.	.95	.6757	.223	.29	.1519	1.454
%RSD	2.284	8.485	86.48	4.049	.8370	19.26	70.05
#1	1780.	10.49	-1.259	5.667	35.22	.6815	-3.103
#2	1838.	11.83	-.3036	5.352	34.80	.8963	-1.047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0416	-2.371	2.371	-.0155	-.1045	-.0231	-3.750
SDev	.0115	.471	.133	.2941	.7150	.3397	1.159
%RSD	27.64	19.88	5.604	1895.	684.1	1473.	30.92
#1	-.0498	-2.038	2.465	-.2235	-.6101	.2172	-4.569
#2	-.0335	-2.705	2.277	.1924	.4011	-.2633	-2.930
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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DATA

Avge	-1.252	.8358	388.9	1.430
SDev	1.601	3.753	.1	3.309
%RSD	127.8	449.0	.0360	231.3
#1	-2.384	3.490	388.8	L-.9096
#2	-.1204	L-1.818	389.0	3.770
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	935	1000	--	--	--	--	--
SDev	.1885589	.0000000	--	--	--	--	--
%RSD	.0201585	.0000000	--	--	--	--	--
#1	935	1000	--	--	--	--	--
#2	936	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739955 #57 Operator:
Run Time: 07/24/95 18:39:28
[redacted]ment: SDG:10591M ClientID:MW-11 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2259	118.1	199.5	.5283	10960.	.0031	4.700
SDev	.1763	.3	.1	.0066	28.	.0658	.286
%RSD	78.05	.2690	.0533	1.255	.2596	2135.	6.088
#1	-.1012	117.9	199.5	.5236	10940.	-.0435	4.498
#2	-.3505	118.4	199.4	.5330	10980.	.0496	4.902
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6610	-.8983	-6.467	1527.	5129.	165.4	.0877
SDev	.1692	.0157	2.397	10.	11.	.2	.0798
%RSD	25.59	1.743	37.06	.6376	.2091	.1368	91.07
#1	.5414	-.8872	-8.162	1520.	5121.	165.2	.1441
#2	.7807	-.9094	-4.773	1534.	5136.	165.5	.0312
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13590.	1.233	-.5370	.0024	3.723	-1.373	-.7870
SDev	15.	.197	.9516	.0046	.052	1.015	.8591
%RSD	.1074	16.01	177.2	188.6	1.402	73.92	109.2
#1	13580.	1.373	.1359	.0057	3.760	-.6555	-.1795
#2	13600.	1.094	-1.210	-.0008	3.686	-2.091	-1.394
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0983	-.4672	-.2173	-1.963	1.693	-1.005	-1.033
SDev	.9358	.9253	.9126	1.066	.753	1.027	2.052
%RSD	952.4	198.1	419.9	54.32	44.46	102.2	198.7
#1	-.7600	.1871	.4280	-1.209	1.161	-1.732	-2.484
#2	.5635	-1.122	-.8627	-2.717	2.225	-.2788	.4185
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED

Avge	-.6771	5.255	L-2.091	.8713
SDev	2.3125	.875	4.093	1.558
%RSD	341.6	16.64	195.7	178.9
#1	.9582	4.637	L-4.985	L-.2307
#2	-2.312	5.874	.8026	1.973
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	941	1000	--	--	--	--	--
SDev	1.461429	.0000000	--	--	--	--	--
%RSD	.1552597	.0000000	--	--	--	--	--
#1	942	1000	--	--	--	--	--
#2	940	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739956 #58 Operator:
Run Time: 07/24/95 18:44:55
[redacted]ment: SDG:10591M ClientID:MW-10 1:1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4345	523.1	102.7	.5377	11570.	.0432	.2759
SDev	.0504	.1	.0	.0096	4.	.0417	.0609
%RSD	11.59	.0215	.0019	1.780	.0384	96.51	22.06
#1	-.4701	523.0	102.7	.5310	11570.	.0137	.3189
#2	-.3988	523.2	102.7	.5445	11570.	.0727	.2328
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.306	.7771	508.5	3772.	4154.	16.58	1.480
SDev	.338	.0635	5.2	13.	3.	.02	.705
%RSD	5.362	8.166	1.023	.3577	.0653	.1193	47.64
#1	6.067	.7323	504.9	3763.	4152.	16.60	.9814
#2	6.545	.8220	512.2	3782.	4156.	16.57	1.978
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4533.	7.689	-1.657	2.025	3.954	-.3979	.9875
SDev	20.	.600	2.438	.115	.002	.1126	.0177
%RSD	.4477	7.806	147.1	5.680	.0415	28.29	1.791
#1	4519.	7.265	-3.381	1.944	3.953	-.4775	.9750
#2	4547.	8.114	.0668	2.107	3.955	-.3183	1.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5527	-.0603	.9560	-1.087	-1.170	-.2572	-1.688
SDev	1.0955	1.3438	2.148	.904	4.318	.5132	3.324
%RSD	198.2	2227.	224.7	83.17	369.0	199.5	196.9
#1	.2219	.8899	-.5630	-.4476	1.883	-.6201	-4.038
#2	-1.327	-1.011	2.475	-1.726	-4.223	.1056	.6622
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	2.310	1.394	44.27	1.710
SDev	1.633	2.636	2.03	.572
%RSD	70.67	189.1	4.591	33.45
#1	3.465	L-.4701	42.83	2.114
#2	1.156	3.258	45.71	1.305
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	942	1000	--	--	--	--	--
SDev	.6128489	.0000000	--	--	--	--	--
%RSD	.0650757	.0000000	--	--	--	--	--
#1	942	1000	--	--	--	--	--
#2	941	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739957 #59 Operator:
Run Time: 07/24/95 18:50:21
Comment: SDG:10591M ClientID:MW-17 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4361	127.2	78.97	.5255	28550.	-.0323	2.122
SDev	.3106	2.7	.02	.0225	35.	.0218	.213
%RSD	71.22	2.161	.0260	4.278	.1212	67.59	10.05
#1	-.6557	125.3	78.98	.5096	28580.	-.0477	2.273
#2	-.2165	129.2	78.95	.5414	28530.	-.0169	1.971
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6535	-1.044	48.52	8309.	3578.	762.4	.5306
SDev	.1282	.064	1.63	19.	2.	.5	.2869
%RSD	19.62	6.081	3.356	.2272	.0581	.0681	54.07
#1	.7442	-1.089	47.37	8296.	3580.	762.7	.3278
#2	.5629	-.9994	49.67	8323.	3577.	762.0	.7335
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4506.	2.095	-.2446	.8766	5.645	.0363	-.8196
SDev	32.	.100	1.6322	.1123	.121	.3076	.5676
%RSD	.7133	4.789	667.4	12.81	2.140	846.6	69.25
#1	4529.	2.024	-1.399	.7972	5.731	-.1812	-.4183
#2	4484.	2.166	.9096	.9560	5.560	.2538	-1.221
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.360	.3138	-.5305	.3064	1.001	-2.551	-.0083
SDev	.300	.7882	1.4438	1.182	.969	.034	.3881
%RSD	22.07	251.1	272.2	385.8	96.85	1.331	4666.
#1	-1.148	.8712	.4905	-.5294	1.686	-2.575	-.2828
#2	-1.572	-.2435	-1.551	1.142	.3153	-2.527	.2661
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-1.238	.3298	L-2.919	1.131
SDev	1.045	1.978	1.102	.984
%RSD	84.42	599.6	37.75	87.02
#1	-.4989	1.728	L-3.698	1.827
#2	-1.976	L-1.069	L-2.140	.4350
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	928	1000	--	--	--	--	--
SDev	.8957089	.0000000	--	--	--	--	--
%RSD	.0965467	.0000000	--	--	--	--	--
#1	927	1000	--	--	--	--	--
#2	928	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739958 #60 Operator:
Run Time: 07/24/95 18:55:48
Comment: SDG:10591M ClientID:MW-15 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5876	137.1	73.65	.5228	16810.	-.0615	.3174
SDev	.0336	1.0	.08	.0150	2.	.0531	.1655
%RSD	5.713	.7168	.1099	2.867	.0138	86.38	52.13
#1	-.6113	137.8	73.71	.5334	16800.	-.0239	.4344
#2	-.5639	136.4	73.60	.5122	16810.	-.0990	.2004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.754	-.0454	21.18	1901.	4008.	.6448	1.671
SDev	.044	.0476	2.47	4.	1.	.1226	.630
%RSD	2.489	104.8	11.65	.2301	.0177	19.01	37.72
#1	1.785	-.0791	19.44	1904.	4008.	.5582	2.116
#2	1.723	-.0118	22.93	1898.	4007.	.7315	1.225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3942.	3.501	-2.001	2.854	4.951	.4035	-.8536
SDev	28.	.002	1.391	.004	.112	.9015	.6038
%RSD	.7096	.0456	69.49	.1381	2.253	223.4	70.73
#1	3962.	3.502	-2.985	2.857	4.872	-.2340	-.4267
#2	3922.	3.499	-1.018	2.852	5.030	1.041	-1.281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2767	-.4775	-.2584	.7196	-.0213	-.4171	-.3006
SDev	1.0398	.1872	.7299	1.714	1.0340	1.0428	2.6570
%RSD	375.8	39.21	282.4	238.2	4858.	250.0	883.8
#1	.4586	-.3451	.2577	-.4922	.7099	.3203	1.578
#2	-1.012	-.6099	-.7745	1.931	-.7525	-1.154	-2.179
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-1.142	5.129	L-4.729	2.293
SDev	.422	2.492	3.107	2.430
%RSD	37.00	48.59	65.70	106.0
#1	-1.440	6.891	L-2.532	4.011
#2	-.8430	3.367	L-6.926	.5749

Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	934	1000	--	--	--	--	--
SDev	.5657200	.0000000	--	--	--	--	--
%RSD	.0605450	.0000000	--	--	--	--	--
#1	934	1000	--	--	--	--	--
#2	935	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Sample Name: CCVA Operator:
Run Time: 07/24/95 19:01:15
[redacted]ment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.4	2009.	1015.	974.9	48870.	990.6	950.8
SDev	.3	1.	1.	.2	41.	.9	.6
%RSD	.3260	.0266	.0763	.0245	.0835	.0891	.0677
#1	100.6	2008.	1014.	974.7	48900.	991.3	950.3
#2	100.2	2009.	1015.	975.1	48840.	990.0	951.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	955.0	1014.	1907.	48070.	46500.	935.7	1007.
SDev	1.9	1.	2.	2.	38.	.8	4.
%RSD	.1947	.0625	.1213	.0042	.0823	.0821	.4206
#1	956.3	1013.	1906.	48070.	46530.	936.3	1004.
#2	953.7	1014.	1909.	48070.	46480.	935.2	1010.
[redacted]rors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
[redacted]lue	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49540.	999.6	1045.	950.7	1026.	1004.	1032.
SDev	82.	.4	.	1.7	1.	.	4.
%RSD	.1647	.0362	.0142	.1829	.0864	.0331	.3715
#1	49600.	999.8	1045.	951.9	1027.	1004.	1035.
#2	49490.	999.3	1045.	949.4	1026.	1004.	1029.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1004.	1002.	968.7	1022.	963.2	1024.	1027.
SDev	.	.	4.7	3.	3.8	1.	3.
%RSD	.0330	.0324	.4865	.2790	.3918	.1354	.2512
#1	1004.	1003.	972.1	1020.	960.5	1025.	1029.
#2	1004.	1002.	965.4	1024.	965.9	1024.	1025.
[redacted]rors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1035.	972.1	983.7	1036.
SDev	4.	3.2	2.6	.
%RSD	.4311	.3334	.2646	.0028
#1	1038.	974.4	985.5	1036.
#2	1031.	969.8	981.9	1036.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	922	1000	--	--	--	--	--
SDev	.8485799	.0000000	--	--	--	--	--
%RSD	.0920589	.0000000	--	--	--	--	--
#1	921	1000	--	--	--	--	--
#2	922	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCBA Operator:
Run Time: 07/24/95 19:06:43
[illegible]ment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3561	7.286	.1545	.6987	-4.875	.1415	.3078
SDev	.2266	1.196	.0211	.0459	1.985	.0721	.1285
%RSD	63.64	16.42	13.68	6.575	40.71	50.92	41.74
#1	-.1959	8.132	.1396	.6663	-6.278	.0906	.3987
#2	-.5163	6.440	.1694	.7312	-3.472	.1925	.2170
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2509	-1.145	-7.242	1.539	.9554	.1475	1.048
SDev	.3742	.143	3.974	10.74	.9757	.0612	.211
%RSD	149.2	12.50	54.87	697.6	102.1	41.49	20.12
#1	.5155	-1.044	-4.433	9.131	.2655	.1907	1.197
#2	-.0138	-1.247	-10.05	-6.052	1.645	.1042	.8989
[illegible]rors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
[illegible]lue	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.595	.2209	-.7240	.2398	.0479	-1.144	-.6836
SDev	102.2	.0506	.5467	.1068	.1112	.344	2.1451
%RSD	1346.	22.92	75.51	44.53	232.4	30.08	313.8
#1	79.86	.1851	-1.111	.3153	.1265	-1.387	.8333
#2	-64.67	.2567	-.3374	.1643	-.0308	-.9005	-2.200
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.525	.3898	.3192	-1.887	2.428	1.062	-2.721
SDev	.338	1.193	.3681	.332	1.392	1.201	3.981
%RSD	22.13	306.2	115.3	17.60	57.31	113.1	146.3
#1	1.287	1.234	.0589	-2.122	3.412	.2128	.0947
#2	1.764	-.4540	.5795	-1.652	1.444	1.911	-5.536
[illegible]rors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.3200	1.614	-.8031	2.831
SDev	1.227	.475	5.1253	1.193
%RSD	383.6	29.42	638.2	42.12
#1	1.188	1.278	2.821	1.988
#2	-.5478	1.949	-4.427	3.675
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	951	1000	--	--	--	--	--
SDev	2.262837	.0000000	--	--	--	--	--
%RSD	.2380144	.0000000	--	--	--	--	--
#1	949	1000	--	--	--	--	--
#2	952	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739959 #63 Operator:
Run Time: 07/24/95 19:12:10
Comment: SDG:10591M ClientID:MW-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	148.1	484.9	311.6	93.92	30.57	143.3	343.0
SDev	.1	1.0	.3	.07	1.78	.0	1.2
%RSD	.0737	.2109	.0821	.0714	5.827	.0296	.3414
#1	148.2	485.6	311.8	93.87	29.31	143.3	342.2
#2	148.1	484.1	311.5	93.97	31.83	143.3	343.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	318.2	298.7	501.3	272.5	2.788	280.8	140.5
SDev	.6	.1	6.9	4.1	.362	.3	1.2
%RSD	.1775	.0478	1.373	1.489	13.00	.1180	.8830
#1	317.8	298.6	496.5	269.6	2.532	280.5	139.6
#2	318.6	298.8	506.2	275.3	3.044	281.0	141.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	662.1	251.3	66.12	204.3	384.1	377.1	149.8
SDev	94.3	.8	.63	.2	.1	.8	1.5
%RSD	14.25	.3029	.9495	.0878	.0189	.2161	1.032
#1	595.3	250.7	66.56	204.2	384.1	376.5	150.9
#2	728.8	251.8	65.67	204.5	384.0	377.7	148.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	156.4	131.8	363.5	383.9	150.9	159.1	146.7
SDev	1.0	.1	.2	1.3	.6	1.7	6.7
%RSD	.6095	.0878	.0483	.3410	.3798	1.078	4.551
#1	155.7	131.9	363.6	382.9	151.3	157.9	151.4
#2	157.1	131.7	363.4	384.8	150.5	160.3	142.0
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	151.3	1.687	L-1.449	1.747
SDev	1.0	4.602	3.180	1.916
%RSD	.6722	272.8	219.5	109.7
#1	150.6	L-1.567	L-3.698	3.102
#2	152.0	4.940	.8000	.3924
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	939	1000	--	--	--	--	--
SDev	.8014510	.0000000	--	--	--	--	--
%RSD	.0853200	.0000000	--	--	--	--	--
#1	940	1000	--	--	--	--	--
#2	939	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: 739978 #64 Operator:
Run Time: 07/24/95 19:17:37
[redacted]ment: SDG:10591M ClientID:TRIPBLK1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1543	101.2	1.459	.5792	11.59	.0789	.2860
SDev	.3273	.3	.065	.0065	.06	.2193	.0476
%RSD	212.1	.3297	4.438	1.123	.5584	277.9	16.66
#1	.0771	101.4	1.505	.5838	11.63	.2340	.3197
#2	-.3858	100.9	1.413	.5746	11.54	-.0761	.2523
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5889	1.055	9.260	65.79	-.2867	.2592	.0977
SDev	.5876	.111	.014	20.71	.3657	.0312	.1457
%RSD	99.78	10.49	.1513	31.48	127.5	12.05	149.0
#1	1.004	.9770	9.250	80.43	-.0281	.2812	.2007
#2	.1734	1.134	9.270	51.14	-.5453	.2371	L-.0052
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	665.0	.6365	.1687	.0769	3.508	-.2564	-2.014
SDev	8.6	.1510	3.892	.3277	.004	.2739	1.485
%RSD	1.289	23.73	2308.	426.2	.1268	106.8	73.73
#1	671.0	.5297	2.921	.3086	3.511	-.4501	-3.064
#2	658.9	.7433	-2.584	-.1548	3.504	-.0627	-.9639
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4484	-.9532	-.0357	-.3794	.3772	.4712	-2.698
SDev	1.840	1.0298	.8131	.0048	.6177	2.451	2.322
%RSD	410.4	108.0	2275.	1.253	163.8	520.1	86.07
#1	-.8529	-.2250	-.6107	-.3827	-.0596	-1.262	-4.340
#2	1.750	-1.681	.5392	-.3760	.8139	2.204	-1.056
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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DATA

Avge	-1.685	L-.1815	1.063	3.326
SDev	1.067	.3970	6.952	.509
%RSD	63.31	218.7	653.8	15.30
#1	-2.439	L-.4622	5.979	3.686
#2	-.9306	.0992	L-3.852	2.966
Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	939	1000	--	--	--	--	--
SDev	1.367171	.0000000	--	--	--	--	--
%RSD	.1456068	.0000000	--	--	--	--	--
#1	938	1000	--	--	--	--	--
#2	940	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: PDS739942 #65 Operator:
Run Time: 07/24/95 19:23:03
[redacted]ment: SDG:10591M ClientID:MW-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.80	404.9	126.0	11.85	7922.	11.71	109.9
SDev	.34	1.9	.1	.02	13.	.20	.1
%RSD	1.472	.4665	.0997	.1658	.1620	1.737	.0676
#1	23.04	403.6	125.9	11.84	7931.	11.56	109.8
#2	22.57	406.2	126.1	11.87	7913.	11.85	109.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.96	57.76	647.5	1154.	2788.	40.81	.1824
SDev	.06	.02	.5	5.	2.	.03	.6195
%RSD	.2779	.0270	.0798	.4440	.0799	.0798	339.7
#1	22.91	57.75	647.9	1157.	2789.	40.83	L-.2557
#2	23.00	57.77	647.2	1150.	2786.	40.79	.6205
[redacted]rors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4155.	93.61	21.34	111.2	55.45	5.567	10.98
SDev	2.	.52	2.15	.2	.16	1.029	.28
%RSD	.0420	.5524	10.06	.1726	.2826	18.48	2.560
#1	4156.	93.25	22.86	111.3	55.56	6.295	11.17
#2	4154.	93.98	19.82	111.1	55.34	4.840	10.78
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	140.2	20.17	4.985	5.843	137.2	141.6	10.59
SDev	.5	.62	1.044	1.021	2.3	.4	1.51
%RSD	.3490	3.070	20.95	17.47	1.672	.2911	14.26
#1	140.5	20.61	5.723	6.565	138.8	141.3	9.519
#2	139.8	19.73	4.246	5.121	135.6	141.9	11.65
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	11.16	.6372	39.37	L-1.717
SDev	1.18	.7479	1.82	.622
%RSD	10.54	117.4	4.611	36.21
#1	11.99	.1084	40.65	L-1.277
#2	10.33	1.166	38.08	L-2.156
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	949	1000	--	--	--	--	--
SDev	.7542789	.0000000	--	--	--	--	--
%RSD	.0795110	.0000000	--	--	--	--	--
#1	948	1000	--	--	--	--	--
#2	949	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: PDS740567 #66 Operator:
Run Time: 07/24/95 19:28:31
Comment: SDG:MAT548 ClientID:MAT550A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.56	133.0	32.35	11.87	11740.	11.57	111.1
SDev	.30	1.8	.00	.01	2.	.12	.0
%RSD	1.339	1.327	.0060	.0599	.0211	1.023	.0169
#1	22.78	134.2	32.35	11.87	11740.	11.66	111.1
#2	22.35	131.7	32.35	11.86	11740.	11.49	111.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.48	61.70	3333.	2783.	1917.	741.0	1.267
SDev	.06	.16	1.	3.	1.	.2	.052
%RSD	.2639	.2571	.0417	.0993	.0345	.0228	4.124
#1	22.43	61.81	3332.	2785.	1917.	741.1	1.304
#2	22.52	61.58	3334.	2781.	1916.	740.8	1.230
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	71240.	94.92	22.18	109.8	58.96	6.480	11.82
SDev	78.	.20	.43	.1	.01	.344	.26
%RSD	.1093	.2099	1.927	.1081	.0090	5.308	2.187
#1	71290.	95.06	22.49	109.9	58.97	6.237	11.63
#2	71180.	94.78	21.88	109.7	58.96	6.723	12.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	141.3	40.84	8.228	5.591	136.5	143.7	12.81
SDev	.0	.62	3.398	2.212	.5	.3	.98
%RSD	.0292	1.506	41.30	39.56	.3426	.2047	7.630
#1	141.3	41.27	10.63	4.027	136.1	143.9	12.11
#2	141.3	40.40	5.825	7.156	136.8	143.5	13.50
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED

Avge	11.31	.1909	.9261	2.011
SDev	.10	.2574	1.717	.734
%RSD	.8880	134.8	185.4	36.52
#1	11.38	.0089	L-.2881	2.530
#2	11.24	.3729	2.140	1.492
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	938	1000	--	--	--	--	--
SDev	.9900099	.0000000	--	--	--	--	--
%RSD	.1055883	.0000000	--	--	--	--	--
#1	937	1000	--	--	--	--	--
#2	938	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CRI Operator:
Run Time: 07/24/95 19:33:57
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	20.79	37.38	-.0269	10.54	44.55	10.45	97.69
SDev	.13	2.87	.0126	.01	.32	.08	.44
%RSD	.6460	7.673	46.78	.1338	.7179	.7541	.4535
#1	20.88	39.40	-.0358	10.53	44.78	10.40	98.00
#2	20.69	35.35	-.0180	10.55	44.32	10.51	97.38
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.61	51.85	19.98	-11.84	40.78	29.56	49.10
SDev	.08	.25	4.66	5.25	1.64	.05	.20
%RSD	.3940	.4899	23.34	44.38	4.022	.1837	.3984
#1	19.66	52.03	23.28	-15.55	41.94	29.60	48.96
#2	19.55	51.67	16.68	-8.122	39.62	29.52	49.24
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		50.00				30.00	
Range		50.00				50.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.888	82.80	21.25	97.60	42.15	4.533	9.076
SDev	64.36	.06	2.41	.20	.01	.328	1.609
%RSD	934.3	.0722	11.34	.2026	.0160	7.239	17.73
#1	-38.62	82.76	19.55	97.74	42.14	4.300	10.21
#2	52.39	82.85	22.96	97.46	42.15	4.765	7.938
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		80.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	125.6	19.27	3.053	5.256	120.8	127.9	8.085
SDev	.7	1.94	2.417	.715	1.0	1.5	4.337
%RSD	.5452	10.08	79.16	13.60	.8125	1.185	53.64
#1	126.1	17.90	1.344	5.761	120.1	129.0	11.15
#2	125.1	20.65	4.762	4.750	121.5	126.9	5.018
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	9.558	40.63	23.09	305.5
SDev	.247	.66	.97	1.9
%RSD	2.586	1.628	4.210	.6265
#1	9.733	40.17	22.40	306.9
#2	9.383	41.10	23.77	304.2
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	979	1000	--	--	--	--	--
SDev	.1414300	.0000000	--	--	--	--	--
%RSD	.0144471	.0000000	--	--	--	--	--
#1	979	1000	--	--	--	--	--
#2	979	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 07/24/95 19:39:23
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4319	548400.	1.386	.7551	462600.	1.575	-1.659
SDev	.1175	231.	.033	.0219	792.	.296	.061
%RSD	27.21	.0420	2.371	2.898	.1713	18.79	3.664
#1	-.5150	548300.	1.362	.7705	462000.	1.784	-1.616
#2	-.3488	548600.	1.409	.7396	463100.	1.366	-1.702
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	26.07	3.358	193100.	-1.051	517700.	-18.46	-2.777
SDev	.04	.222	393.	10.756	1385.	.03	.664
%RSD	.1682	6.610	.2033	1023.	.2676	.1717	23.90
#1	26.04	3.201	192800.	-8.657	516700.	-18.43	-3.246
#2	26.10	3.515	193400.	6.554	518700.	-18.48	-2.308
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	50.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	277.5	2.655	-7.911	8.988	-9.985	14.00	-.5548
SDev	5.2	.114	.816	.288	.222	1.27	4.1113
%RSD	1.879	4.292	10.31	3.207	2.224	9.076	741.1
#1	281.2	2.735	-8.487	9.192	-10.14	13.10	2.352
#2	273.8	2.574	-7.334	8.784	-9.828	14.90	-3.462
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.762	.3651	244.2	-101.0	5.047	3.106	2.460
SDev	1.645	.0844	.1	1.9	3.196	.870	3.888
%RSD	43.72	23.11	.0258	1.918	63.32	28.02	158.1
#1	4.924	.4247	244.3	-102.3	7.306	3.721	5.209
#2	2.599	.3054	244.2	-99.59	2.787	2.490	-.2895
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-2.073	-4.212	-4.987	12.00
Dev	4.224	.199	2.299	2.04
%RSD	203.8	4.721	46.09	17.03
#1	.9138	-4.071	-3.361	13.45
#2	-5.060	-4.352	-6.612	10.56
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	835	1000	--	--	--	--	--
SDev	.0942579	.0000000	--	--	--	--	--
%RSD	.0112941	.0000000	--	--	--	--	--
#1	835	1000	--	--	--	--	--
#2	835	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 07/24/95 19:44:50
Comment: ICSAB ICSAB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1013.	547200.	530.4	503.4	462300.	965.8	502.8
SDev	1.	508.	.6	.3	1012.	1.1	.5
%RSD	.1061	.0928	.1094	.0661	.2189	.1091	.0911
#1	1012.	546900.	530.0	503.7	463000.	966.5	503.1
#2	1013.	547600.	530.8	503.2	461600.	965.0	502.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	500.8	556.2	194000.	-3.269	520000.	456.7	1029.
SDev	1.6	2.1	99.	9.619	113.	.5	.
%RSD	.3237	.3738	.0508	294.3	.0218	.1040	.0029
#1	502.0	554.7	194100.	3.533	520100.	457.0	1029.
#2	499.7	557.7	193900.	-10.07	519900.	456.3	1029.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	320.8	970.0	-6.893	495.9	1056.	5075.	-3.578
SDev	142.9	1.7	3.580	1.2	1.	2.	3.428
%RSD	44.54	.1760	51.93	.2368	.1110	.0340	95.83
#1	421.8	971.2	-4.362	496.8	1057.	5076.	-6.002
#2	219.8	968.8	-9.425	495.1	1055.	5074.	-1.153
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.572	-1.469	5190.	5018.	.8239	4.930	-6.426
SDev	1.621	.502	5.	.	.2205	2.320	2.053
%RSD	45.37	34.20	.0898	.0052	26.77	47.06	31.94
#1	4.718	-1.114	5193.	5018.	.9798	6.570	-4.974
#2	2.426	-1.824	5187.	5018.	.6680	3.289	-7.877
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-2.170	1016.	1019.	1117.
SDev	6.165	.	6.	1.
%RSD	284.1	.0411	.6118	.0819
#1	-6.529	1016.	1024.	1118.
#2	2.189	1017.	1015.	1117.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	834	1000	--	--	--	--	--
SDev	1.131440	.0000000	--	--	--	--	--
%RSD	.1356033	.0000000	--	--	--	--	--
#1	834	1000	--	--	--	--	--
#2	835	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCVA Operator:
Run Time: 07/24/95 19:50:17
[redacted]ment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.1	2057.	1011.	975.3	48790.	989.4	951.0
SDev	.4	1.	1.	2.6	239.	5.5	4.1
%RSD	.4440	.0528	.1041	.2694	.4901	.5537	.4348
#1	99.82	2056.	1012.	973.4	48620.	985.5	948.1
#2	100.4	2057.	1010.	977.2	48960.	993.3	954.0
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	954.0	1016.	1951.	47990.	47050.	934.5	1007.
SDev	3.1	5.	1.	134.	94.	2.5	2.
%RSD	.3292	.4702	.0675	.2793	.1995	.2647	.2416
#1	951.8	1020.	1950.	48080.	46980.	932.8	1006.
#2	956.2	1013.	1952.	47890.	47110.	936.3	1009.
[redacted]rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
[redacted]alue	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49410.	998.0	1039.	950.6	1026.	1004.	1033.
SDev	13.	2.6	5.	1.6	3.	2.	6.
%RSD	.0272	.2596	.4364	.1735	.3179	.1619	.5894
#1	49420.	996.2	1036.	949.4	1024.	1003.	1029.
#2	49400.	999.9	1042.	951.7	1029.	1005.	1037.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1006.	1001.	971.7	1020.	962.8	1027.	1027.
SDev	1.	1.	.9	2.	2.3	.	5.
%RSD	.0792	.0512	.0885	.1968	.2349	.0064	.4926
#1	1005.	1001.	971.0	1019.	961.2	1027.	1023.
#2	1006.	1002.	972.3	1022.	964.4	1027.	1031.
[redacted]rrors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1036.	975.4	986.3	1033.
SDev	7.	10.5	2.9	.
%RSD	.6372	1.076	.2970	.0277
#1	1032.	968.0	984.2	1033.
#2	1041.	982.9	988.4	1032.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	925	1000	--	--	--	--	--
SDev	2.262880	.0000000	--	--	--	--	--
%RSD	.2445529	.0000000	--	--	--	--	--
#1	927	1000	--	--	--	--	--
#2	924	1000	--	--	--	--	--

AMENDED
DATA

Method: CLPSUE Sample Name: CCBA Operator:
Run Time: 07/24/95 19:55:45
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0475	16.61	.1197	.6834	14.88	.2361	.1813
SDev	.0755	2.21	.0441	.0017	4.02	.2157	.2782
%RSD	159.1	13.28	36.88	.2435	27.00	91.36	153.4
#1	-.0059	15.06	.0885	.6846	12.04	.0836	.3780
#2	.1009	18.17	.1509	.6822	17.72	.3886	-.0154
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1907	-1.426	7.592	3.871	17.46	.1247	1.240
SDev	.2872	.095	.830	8.462	1.98	.0308	.095
%RSD	150.6	6.667	10.93	218.6	11.32	24.69	7.687
#1	-.0124	-1.359	7.006	-2.113	16.06	.1464	1.307
#2	.3938	-1.493	8.179	9.854	18.86	.1029	1.172
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48.37	.1166	-.0219	.0052	.0456	-1.684	-3.386
SDev	46.29	.1947	.8563	.0037	.0004	.483	.885
%RSD	95.69	167.0	3917.	71.05	.9736	28.67	26.14
#1	81.10	.2542	.5837	.0078	.0453	-2.025	-2.760
#2	15.64	-.0211	-.6274	.0026	.0459	-1.343	-4.011
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.705	.1685	1.212	-3.142	.5704	2.258	-3.172
SDev	.754	.5991	2.476	.512	3.738	.736	1.002
%RSD	44.22	355.6	204.2	16.30	655.3	32.59	31.58
#1	2.238	.5921	-.5384	-2.780	3.213	1.738	-2.464
#2	1.172	-.2552	2.963	-3.505	-2.073	2.779	-3.881
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-3.505	2.564	.8751	2.667
SDev	.826	1.174	2.719	1.067
%RSD	23.58	45.79	310.7	40.00
#1	-2.920	3.394	-1.048	3.422
#2	-4.089	1.733	2.798	1.913
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	952	1000	--	--	--	--	--
SDev	1.555687	.0000000	--	--	--	--	--
%RSD	.1634444	.0000000	--	--	--	--	--
#1	951	1000	--	--	--	--	--
#2	953	1000	--	--	--	--	--

AMENDED
DATA

Standards/QC Preparation for ICAP P3

Standard blank (S0, ICB, CCB)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FM-192-3) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FM-194-3) Bring up to volume with deionized water. Prepare daily.	[signature]	7/24/95
Standard XCL-11 (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FM-192-3) Pipet 0.2 ml XCL-11 (Ref#: FM-193-15) into flask. 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FM-194-3) Bring up to volume with deionized water. Prepare daily.	[signature]	7/24/95
Standard XCL-2 (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FM-192-3) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FM-194-3) Pipet 0.2 ml XCL-2 (Ref#: FM-193-16) into flask. Bring up to volume with deionized water. Prepare daily.	[signature]	7/24/95
Standard XCL-3A	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FM-192-3) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FM-194-3) Pipet 1.0 ml XCL-3A (Ref#: FM-190-14) into flask. Bring up to volume with deionized water. Prepare daily.	[signature]	7/24/95
Standard PLSB2-2X (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FM-192-3) 0.2 ml of Sn (Ref#: FM-191-5) 0.2 ml of Bi (Ref#: FM-195-1) 0.2 ml of Ti (Ref#: FM-190-8) 0.2 ml of Zr (Ref#: NA) 0.2 ml of Sb (Ref#: FM-192-12) 0.5 ml of Zn (Ref.#: NA) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FM-194-3) Bring up to volume with deionized water. Prepare daily.	[signature]	7/24/95

*1.0 ml of yttrium (Ref#: FM-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature] Date: 7-24-95

AMENDED

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
Standard STD3	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FW-192-3) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FW-194-3) 1.0 ml of 10,000-ppm Al standard (Ref#: FW-195-2) 0.5 ml of 10,000-ppm Fe standard (Ref#: FW-188-17) 1.0 ml of 10,000-ppm Mg standard (Ref#: FW-195-3) 1.0 ml of 10,000-ppm Ca standard (Ref#: FW-195-4) Bring up to volume with deionized water. Prepare daily.	DMH DJ	7/24/95
CCV solution (CVS1)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FW-192-3) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FW-194-3) 0.2 ml of Sb (Ref#: FW-192-12) 0.2 ml of Sn (Ref#: FW-191-10) 0.2 ml of Bi (Ref#: FW-195-1) 0.2 ml of Ti (Ref#: FW-198-8) 0.02ml ~~0.2 ml of~~ Al (Ref#: FW-193-3) 0.02ml ~~0.2 ml of~~ Fe (Ref#: FW-188-14) 0.2 ml of Zn (Ref#: NA) Pipet 0.2 ml XCL-2 (Ref#: FW-193-16) into flask. Pipet 0.2 ml XCL-11 (Ref#: FW-193-15) into flask. Pipet 1.0 ml XCL-3A (Ref#: FW-190-14) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	DMH DJ	7/24/95
ICV1 solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FW-192-3) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FW-194-3) Pipet 20.0 ml ICV1 (Ref#: FW-191-3) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	DMH	7/24/95

*1.0 ml of yttrium (Ref#: FW-190-16) / 100 ml was added to each solution as an internal standard.

AMENDED

Reviewed by: [signature] Date: 7.24.95

Standards/QC Preparation for ICAP

ICV3 solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: Fm-192-3) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: Fm-194-3) Pipet 20.0 ml ICV3 (Ref# Fm-187-2) into flask. Pipet 20.0 ml of ICV2 (Ref#: Fm-193-1) Pipet 20.0 ml of ICV4 (Ref#: Fm-193-5) Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	DMF	7/21/95
SPEXAS solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: Fm-192-3) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: Fm-194-3) Pipet 0.2 ml As (Ref#: ~~Fm-~~ NR) into flask. Pipet 0.2 ml Tl (Ref#: ~~Fm~~ 7/19/95 NR) into flask Pipet 0.2 ml Pb (Ref#: NR) into flask. Pipet 0.2 ml Se (Ref#: NR) into flask. Pipet 0.2 ml of Sn (Ref#: Fm-191-10) into flask. Pipet 0.2 ml of Bi (Ref#: Fm-191-11) into flask. Pipet 0.2 ml of Ti (Ref#: Fm-190-12) into flask. Pipet 0.2 ml of Mo (Ref#: Fm-184-17) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	DMF	7/21/95
Intercheck solution A (ICSA)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: Fm-192-3) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: Fm-194-3) Pipet 20.0 ml ICSA (Ref#: Fm-196-6) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle.	DMF	7/24/95

AMENDED

2.0 ml of yttrium (Ref#: Fm-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: _____ Date: 7-24-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
Intercheck solution AB (ICSAB)	Place in a 200-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC-192-3) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 194-3) Pipet 20.0 ml ICSA (Ref#: FMC 196-6) into flask. Pipet 20.0 ml ICSB (Ref#: FMC 192-17) into flask. Bring up to volume with deionized water.		7/19/95
CRI solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 192-3) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 194-3) Pipet 0.20 CRDL-1 Ref#: FMC 197-5 into flask. Pipet 0.06 ml Bi 1000 standard (Ref#: FMC 195-1) into flask. Pipet 0.008 ml Sn 1000 standard (Ref#: FMC 191-10) into flask. Pipet 0.008 ml Mo 1000 standard (Ref#: FMC 184-17) into flask. Pipet NC ml Li 1000 standard (Ref#: NC) into flask. Pipet 0.005 ml Ti 1000 standard (Ref#: FMC 190-8) into flask. Pipet NC ml NC 1000 standard (Ref#: NC) into flask. Pipet NC ml NC 1000 standard (Ref#: NC) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	CJB	7/16/95
Dissolved Metals Only:			
LCS	Add 1.0 ml of LCSW solution (Ref#: NC) to 9.0 ml of deionized water (1% HNO_3 [Baker Instra-analyzed Trace Metals grade, Ref#: NC]+5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NC]).	NC	NC
Prep Blank	Use acidified water (1% HNO_3 [Baker Instra-analyzed Trace Metals grade, Ref#: NC]+5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NC]).	↓	↓
Sample Spike	Add 0.1 ml of XCL-19 (Ref#: NC) to 10.0 ml of sample.		

*1.0 ml of yttrium (Ref#: FMC-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature] Date: 7.24.95

AMENDED

SW only (2)

Trace ICP Runlog (P3)

Page 1 of 2

Date: 9-15-95

Method (Circle one.):
(CLP) 200.7
SW-846 6010

Operator Ron Seils
Case Name: 10592M / 10591M
File Name: RS0915
WSL.NAME: P391505.WSL

#	Sample ID	Comments	Action Needed
	ICV		
	ICB		
	ICSAI		
	ICSABI		
	P3CRII		
	CCV		
	CCB		
1	755113	PBW	
2	755111	LCSW	
3	739942		
4	739948	D	
5	739947	S	
6	739942	SOIL 1:5	
7	739944		
8	739945		
9	739946		
10	739950		
	CCV		
	CCB		

#	Sample ID	Comments	Action Needed
1	739955		
2	739956		
3	739957		
4	739959		
5	739978		
6	739942	PDS 2XCRDL	
7	755110	PBW	
8	756108	LCSW	
9	739915		
10	739898	D	
	CCV		
	CCB		
1	739897	S	
2	739915	SOIL 1:5	
3	739890		
4	739893		
5	739901		
6	739908		
7	739922		
8	739915	PDS 2X CRDL	
9		RS	
10		9-15-95	
	CCV		
	CCB		

COMMENTS:

AMENDED DATA

Reviewed by: [signature]

Date: 9/15/95

Trace ICP Runlog (P3)

Page 2 of 2

Date: 9-15-95

Method (Circle one.):
CLP 200.7
SW-846 6010

Operator Ron Seils
Case Name: Same
File Name:
WSL.NAME:

#	Sample ID	Comments	Action Needed
	~~ICV~~		
	ICB		
	ICSAI	RS	
	ICSABI	9-15-95	
	P3CRII		
	CCV		
	~~CCB~~		
1	CRI		
2	ICSA		
3	ICSAB		
4	CCV		
5	CCB		
6			
7			
8		RS	
9		9-15-95	
10			
	CCV		
	~~CCB~~		

#	Sample ID	Comments	Action Needed
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
	CCV		
	CCB		
1		RS	
2		9-15-95	
3			
4			
5			
6			
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8			
9			
10			
	CCV		
	~~CCB~~		

COMMENTS:

AMENDED DATA

Reviewed by: [signature]

Date: 9/15/95

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Avge	-.0110	5.727	.1145	.7815	.0850	-.1056	.0130
SDev	.0085	.052	.0010	.0054	.0026	.0533	.0184
%RSD	77.14	.8996	.8627	.6975	3.083	50.48	141.4
#1	-.0170	5.763	.1152	.7854	.0831	-.1433	.0260
#2	-.0050	5.690	.1138	.7777	.0869	-.0679	.0000

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Avge	.0130	.5270	-.0110	.6110	.0085	.0015	-.0085
SDev	.0000	.0071	.0014	.0213	.0007	.0007	.0120
%RSD	.2451	1.342	12.61	3.485	8.563	46.92	141.4
#1	.0130	.5320	-.0100	.6261	.0090	.0010	.0000
#2	.0130	.5220	-.0120	.5960	.0080	.0020	-.0170

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	As1890	22031
Avge	-.0440	-.0050	-.0925	-.0030	.0130	-.0156	.2069
SDev	.0211	.0000	.0066	.0014	.0014	.0545	.0589
%RSD	48.00	.2451	7.125	47.36	11.12	350.0	28.46
#1	-.0291	-.0050	-.0972	-.0040	.0140	-.0541	.1653
#2	-.0589	-.0050	-.0878	-.0020	.0120	.0230	.2486

Elem	22032	20681	20682	19601	19602	Sn1899	Ti3349
Avge	-.0782	.0328	.1646	-.0639	.0995	.0065	.0751
SDev	.1430	.1654	.0506	.0493	.0165	.0149	.0822
%RSD	183.0	504.3	30.75	77.17	16.59	228.1	109.5
#1	-.1793	-.0841	.2004	-.0291	.1112	.0170	.1332
#2	.0230	.1497	.1288	-.0988	.0878	-.0040	.0170

Elem	Bi2230
Avge	.0591
SDev	.0624
%RSD	105.6
#1	.1032
#2	.0150

AMENDED DATA

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1000	1000	--	--	--	--	--
SDev	2.451395	.0000000	--	--	--	--	--
%RSD	.2451436	.0000000	--	--	--	--	--
#1	998	1000	--	--	--	--	--
#2	1002	1000	--	--	--	--	--

AMENDED DATA

Elem	Ag3280	Cd2265	Cr2677	Cu3247	Ni2316	Tl1908	Zn2138
Avge	16.85	819.1	31.63	91.13	26.76	40.37	20.80
SDev	.00	.7	.02	.17	.05	.19	.01
%RSD	.0000	.0824	.0505	.1831	.1725	.4705	.0424
#1	16.85	819.5	31.61	91.01	26.79	40.23	20.81
#2	16.85	818.6	31.64	91.25	26.73	40.50	20.80

Elem	22031	22032	19601	19602
Avge	292.2	190.0	42.29	79.22
SDev	.4	.3	.02	.07
%RSD	.1418	.1487	.0512	.0880
#1	291.9	189.8	42.30	79.17
#2	292.5	190.2	42.27	79.27

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	995	1000	--	--	--	--	--
SDev	.6599778	.0000000	--	--	--	--	--
%RSD	.0663128	.0000000	--	--	--	--	--
#1	995	1000	--	--	--	--	--
#2	996	1000	--	--	--	--	--

AMENDED DATA

Method: [illegible] Standard: [illegible]

Elem	Al3082	Ca3179	Fe2714	Mg2790
Avge	1290.	193.9	41.98	206.7
SDev	1.	.2	.01	.0
%RSD	.0771	.0956	.0291	.0218
#1	1291.	193.8	41.97	206.8
#2	1289.	194.0	41.99	206.7

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	950	1000	--	--	--	--	--
SDev	.0943010	.0000000	--	--	--	--	--
%RSD	.0099218	.0000000	--	--	--	--	--
#1	950	1000	--	--	--	--	--
#2	951	1000	--	--	--	--	--

AMENDED DATA

Elem	Ba4934	Be3130	Co2286	Mn2576	Mo2020	V_2924	As1890
Avge	575.4	1204.	150.6	48.25	159.0	15.42	127.8
SDev	.6	2.	.3	.05	.4	.00	.1
%RSD	.0978	.2022	.1763	.1090	.2352	.0305	.1012
#1	575.8	1202.	150.5	48.22	158.7	15.42	127.7
#2	575.0	1205.	150.8	48.29	159.2	15.43	127.9

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	997	1000	--	--	--	--	--
SDev	.6128489	.0000000	--	--	--	--	--
%RSD	.0614724	.0000000	--	--	--	--	--
#1	997	1000	--	--	--	--	--
#2	997	1000	--	--	--	--	--

AMENDED DATA

Elem	K_7664	Na3302
Avge	964.0	37.90
SDev	.5	.00
%RSD	.0503	.0034
#1	964.4	37.90
#2	963.7	37.90

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	946	1000	--	--	--	--	--
SDev	.4242900	.0000000	--	--	--	--	--
%RSD	.0448376	.0000000	--	--	--	--	--
#1	946	1000	--	--	--	--	--
#2	947	1000	--	--	--	--	--

AMENDED
DATA

Elem	20681	20682	Sn1899	Ti3349	Bi2230
Avge	203.7	95.18	19.66	135.5	186.4
SDev	.4	.10	.06	.2	.6
%RSD	.1861	.1015	.3123	.1594	.2961
#1	203.4	95.25	19.71	135.3	186.8
#2	204.0	95.11	19.62	135.6	186.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	994	1000	--	--	--	--	--
SDev	.6599778	.0000000	--	--	--	--	--
%RSD	.0663839	.0000000	--	--	--	--	--
#1	994	1000	--	--	--	--	--
#2	995	1000	--	--	--	--	--

AMENDED DATA

Method: CLPSUE Sample Name: ICV1 Operator:
Run Time: 09/15/95 01:58:09
[redacted]mment: ICV ICV1
[redacted]de: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	493.7	1919.	2021.	478.0	49630.	492.1	542.0
SDev	.6	1.	1.	.4	8.	.0	.2
%RSD	.1308	.0373	.0385	.0937	.0152	.0079	.0356
#1	493.2	1918.	2020.	477.6	49620.	492.1	541.9
#2	494.1	1919.	2021.	478.3	49630.	492.1	542.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	487.0	1956.	2009.	476.0	50710.	510.0	520.0
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	474.9	505.5	1962.	46660.	23760.	483.5	.4537
SDev	.3	.1	.	30.	11.	.3	.0090
%RSD	.0624	.0154	.0188	.0648	.0477	.0622	1.984
#1	475.1	505.4	1962.	46680.	23760.	483.2	.4474
#2	474.7	505.6	1962.	46640.	23770.	483.7	.4601
[redacted]rrors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
[redacted]alue	471.0	497.0	1985.	49600.	24590.	491.0	
Range	10.50	10.50	10.50	10.50	10.50	10.50	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48690.	488.9	.4027	504.7	3016.	5056.	-.9822
SDev	43.	2.2	2.638	.1	1.	9.	1.9130
%RSD	.0874	.4415	655.1	.0139	.0371	.1741	194.8
#1	48720.	490.4	-1.462	504.7	3015.	5049.	-2.335
#2	48660.	487.4	2.268	504.8	3017.	5062.	.3705
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	48790.	497.0		492.0	3012.		
Range	10.50	10.50		10.50	10.50		

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.344	-.8703	5076.	5045.	3.355	3.326	2.263
SDev	.329	.2028	7.	10.	.713	.849	3.599
%RSD	9.826	23.30	.1341	.1942	21.25	25.51	159.0
#1	3.576	-1.014	5071.	5038.	2.851	3.927	-.2813
#2	3.112	-.7269	5081.	5052.	3.859	2.726	4.808
[redacted]rrors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-2.614	-2.126	-1.158	1.619
SDev	1.072	3.994	4.659	1.765
%SD	41.02	187.8	402.5	109.0
#1	-3.372	-4.951	2.137	2.867
#2	-1.856	.6979	-4.452	.3710
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	984	1000	--	--	--	--	--
SDev	.2357310	.0000000	--	--	--	--	--
%RSD	.0239674	.0000000	--	--	--	--	--
#1	983	1000	--	--	--	--	--
#2	984	1000	--	--	--	--	--

AMENDED
DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 02:03:34
Comment: ICV ICV3
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	97.52	.4675	.4427	.0432	-41.11	94.73	.0341
SDev	.14	3.170	.0243	.0372	.94	.34	.1483
%RSD	.1462	678.0	5.489	86.16	2.293	.3627	435.2
#1	97.62	-1.774	.4255	.0169	-40.45	94.49	-.0708
#2	97.42	2.709	.4599	.0695	-41.78	94.98	.1389
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0518	.6399	3.102	240.9	6.874	.2239	.1751
SDev	.0001	.0312	.844	2.9	.675	.0001	.3776
%RSD	.1603	4.870	27.21	1.209	9.818	.0251	215.7
#1	.0517	.6179	3.699	238.8	7.351	.2239	-.0919
#2	.0519	.6620	2.505	242.9	6.396	.2240	.4421
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	171.2	.3963	98.36	.0728	-3.628	98.32	93.78
SDev	54.0	.1058	.83	.0929	.000	.92	2.63
%RSD	31.55	26.70	.8449	127.6	.0044	.9355	2.804
#1	133.0	.4711	97.78	.0071	-3.628	98.97	95.64
#2	209.4	.3215	98.95	.1385	-3.628	97.67	91.92
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			98.90			98.80	101.4
Range			10.50			10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	962.5	96.19	99.95	97.50	954.6	966.5	90.83
SDev	1.4	.80	1.82	.47	.8	1.7	.09
%RSD	.1437	.8358	1.818	.4842	.0844	.1730	.1045
#1	963.5	96.76	101.2	97.83	955.2	967.6	90.89
#2	961.5	95.63	98.66	97.17	954.0	965.3	90.76
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	970.0	101.8					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	95.24	-1.371	-2.668	.1767
SDev	3.90	2.267	.639	.6561
%RSD	4.090	165.4	23.95	371.2
#1	97.99	-2.974	-3.120	.6407
#2	92.49	.2325	-2.216	-.2872
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1013	1000	--	--	--	--	--
SDev	.0471289	.0000000	--	--	--	--	--
%RSD	.0046523	.0000000	--	--	--	--	--
#1	1013	1000	--	--	--	--	--
#2	1013	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 02:08:58
Comment: ICV SPEXASSE
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6228	-12.50	.2257	-.0416	-45.26	.1932	.5023
SDev	.2097	3.83	.1214	.0581	2.57	.2002	.0948
%RSD	33.67	30.63	53.77	139.7	5.682	103.6	18.87
#1	.7711	-9.795	.3116	-.0005	-43.45	.3348	.4353
#2	.4745	-15.21	.1399	-.0827	-47.08	.0517	.5694
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7048	.0359	10.39	-.2976	3.007	.1203	1002.
SDev	.1733	.3268	4.10	6.4922	1.350	.0290	4.
%RSD	24.59	911.0	39.47	2181.	44.89	24.13	.3991
#1	.5823	-.1952	7.489	4.293	3.962	.1408	998.7
#2	.8274	.2669	13.29	-4.888	2,053	.0998	1004.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
[redacted]lue							1000.
[redacted]nge							10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	108.0	.0847	2.614	-4.016	-1.109	.0615	-.6181
SDev	36.1	.3099	.378	.226	.291	.5340	.1212
%RSD	33.44	365.9	14.48	5.631	26.25	868.1	19.61
#1	82.44	-.1344	2.347	-4.176	-.9033	.4391	-.7038
#2	133.5	.3038	2.882	-3.856	-1.315	-.3161	-.5324
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.690	.9680	-1.540	.8491	9.674	.6905	-.7648
SDev	1.159	.7814	.997	.3026	.933	1.272	2.5802
%RSD	31.42	80.73	64.79	35.64	9.648	184.3	337.4
#1	4.509	1.521	-.8342	1.063	10.33	1.590	1.060
#2	2.870	.4154	-2.245	.6351	9.014	-.2091	-2.589
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.5566	1007.	980.4	987.1
SDev	1.4699	1.	.1	2.6
%RSD	264.1	.1080	.0093	.2678
#1	-1.596	1008.	980.5	988.9
#2	.4827	1006.	980.3	985.2
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1020	1000	--	--	--	--	--
SDev	1.461429	.0000000	--	--	--	--	--
%RSD	.1432280	.0000000	--	--	--	--	--
#1	1019	1000	--	--	--	--	--
#2	1021	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 02:14:21
Comment: ICB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2669	-10.82	.0333	-.1284	-58.92	.0928	-.2368
SDev	.1091	3.39	.0244	.0057	.64	.1267	.0865
%RSD	40.86	31.28	73.44	4.407	1.086	136.4	36.54
#1	-.1898	-13.22	.0506	-.1324	-58.47	.1824	-.2980
#2	-.3440	-8.428	.0160	-.1244	-59.37	.0033	-.1756
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2888	.0657	1.293	-10.52	-.2697	-.0210	1.037
SDev	.3998	.2810	.001	9.26	.6791	.0582	.768
%RSD	138.4	427.4	.0851	88.02	251.8	277.1	74.08
#1	-.0061	-.1329	1.292	-3.972	.2105	-.0622	1.580
#2	-.5716	.2644	1.294	-17.07	-.7499	.0202	.4938
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	28.27	-.4063	.9483	-.1789	-5.490	.0702	.3548
SDev	183.7	.1559	2.017	.0941	.115	.7236	1.184
%RSD	649.7	38.37	212.7	52.61	2.099	1031.	333.8
#1	158.1	-.5165	-.4780	-.1123	-5.408	-.4415	-.4827
#2	-101.6	-.2960	2.375	-.2455	-5.571	.5819	1.192
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.574	-.4554	.6865	-.2494	-.3850	-2.180	.9807
SDev	.905	.3955	.1776	.9962	.1602	1.277	.9613
%RSD	57.51	86.85	25.87	399.5	41.61	58.59	98.02
#1	-.9341	-.7350	.5609	-.9538	-.2717	-1.277	.3009
#2	-2.214	-.1757	.8120	.4551	-.4983	-3.083	1.660
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.0312	-3.138	-3.241	.4234
SDev	1.295	.489	2.790	3.027
%SD	4145.	15.59	86.07	715.0
#1	-.8843	-3.484	-1.269	2.564
#2	.9468	-2.792	-5.214	-1.717
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1007	1000	--	--	--	--	--
SDev	.1414300	.0000000	--	--	--	--	--
%RSD	.0140379	.0000000	--	--	--	--	--
#1	1007	1000	--	--	--	--	--
#2	1008	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 02:19:44
Comment: ICSA ICSA
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1258	540600.	1.864	.0775	499500.	3.430	-1.806
SDev	.2097	122.	.004	.0332	1637.	.062	.487
%RSD	166.7	.0226	.1960	42.87	.3277	1.817	26.96
#1	.2741	540600.	1.866	.1010	498400.	3.475	-2.150
#2	-.0225	540500.	1.861	.0540	500700.	3.386	-1.462
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	24.96	5.087	194300.	27.59	512600.	-16.93	-.3065
SDev	1.15	.078	349.	2.56	1024.	.18	.1084
%RSD	4.616	1.530	.1794	9.286	.1998	1.083	35.36
#1	25.77	5.032	194100.	29.40	511900.	-16.80	-.2298
#2	24.15	5.142	194600.	25.77	513300.	-17.06	-.3831
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
[redacted]lue	21.00		190700.		529800.		
[redacted]nge	50.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	283.9	3.276	-.3666	-17.36	-13.16	.3945	1.186
SDev	75.5	.588	.6498	.27	.17	1.911	.647
%RSD	26.61	17.93	177.3	1.551	1.274	484.4	54.55
#1	230.4	3.691	-.8261	-17.56	-13.28	-.9566	.7284
#2	337.3	2.860	.0929	-17.17	-13.04	1.746	1.643
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.380	-3.845	151.0	-74.81	-5.454	4.779	-3.021
SDev	.314	2.616	1.8	3.74	1.845	1.391	11.369
%RSD	22.72	68.04	1.161	4.999	33.83	29.12	376.4
#1	1.602	-5.695	152.2	-77.45	-6.758	5.763	5.018
#2	1.158	-1.995	149.8	-72.17	-4.149	3.795	-11.06
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	3.273	-5.729	-1.544	8.616
SDev	6.646	5.555	4.288	.582
%RSD	203.1	96.95	277.7	6.756
#1	-1.427	-9.657	1.488	9.028
#2	7.972	-1.802	-4.577	8.204
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	902	1000	--	--	--	--	--
SDev	.3771179	.0000000	--	--	--	--	--
%RSD	.0418286	.0000000	--	--	--	--	--
#1	901	1000	--	--	--	--	--
#2	902	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 02:25:08
Comment: ICSAB ICSAB
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	990.8	537000.	522.5	478.3	497400.	926.9	518.9
SDev	.9	513.	.5	.9	1416.	.2	.6
%RSD	.0864	.0955	.0904	.1801	.2847	.0166	.1235
#1	991.4	537400.	522.2	478.9	498400.	927.0	519.4
#2	990.2	536700.	522.8	477.7	496400.	926.8	518.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	494.6	555.9	194200.	30.11	511800.	458.8	988.1
SDev	2.1	1.2	163.	.83	692.	1.0	1.5
%RSD	.4178	.2217	.0841	2.757	.1352	.2225	.1498
#1	496.1	555.0	194400.	30.69	512300.	459.5	989.2
#2	493.1	556.8	194100.	29.52	511300.	458.1	987.1
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
[redacted]lue	468.0	507.0	191300.		529900.	454.0	
[redacted]nge	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	520.9	936.2	-2.321	481.8	987.2	4915.	2.159
SDev	108.1	1.7	.595	.8	1.3	2.	6.010
%RSD	20.75	.1850	25.66	.1607	.1361	.0432	278.3
#1	597.4	937.4	-2.742	482.3	988.1	4914.	-2.090
#2	444.5	935.0	-1.900	481.2	986.2	4917.	6.409
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8.142	-5.883	5106.	4819.	6.666	8.865	-2.424
SDev	1.621	2.571	9.	8.	1.615	3.237	2.932
%RSD	19.91	43.70	.1726	.1574	24.23	36.52	121.0
#1	9.288	-7.700	5113.	4814.	5.524	11.15	-4.498
#2	6.996	-4.065	5100.	4825.	7.808	6.576	-.3507
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]alue							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	4.435	1026.	990.7	1092.
SDev	7.547	5.	10.8	1.
%RSD	170.2	.4623	1.089	.0947
#1	-.9013	1022.	998.3	1093.
#2	9.772	1029.	983.1	1091.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	900	1000	--	--	--	--	--
SDev	.1414300	.0000000	--	--	--	--	--
%RSD	.0157142	.0000000	--	--	--	--	--
#1	900	1000	--	--	--	--	--
#2	900	1000	--	--	--	--	--

AMENDED
DATA

Method: CLP3.0B Sample Name: CRI
Run Time: 09/15/95 02:30:32
Comment: CRI
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.48	300.0	.2965	10.08	292.1	10.67	101.9
SDev	.10	134.3	.0979	.13	155.3	.18	.4
%RSD	.5447	44.76	33.02	1.330	53.16	1.662	.3985
#1	18.41	395.0	.3657	10.17	401.9	10.80	101.6
#2	18.55	205.1	.2272	9.981	182.3	10.55	102.2
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.85	52.23	147.6	23.55	339.4	30.34	48.66
SDev	.31	.14	58.2	7.94	146.7	.07	.49
%RSD	1.554	.2684	39.41	33.71	43.21	.2393	1.013
#1	19.63	52.33	188.7	17.94	443.1	30.39	49.01
#2	20.07	52.13	106.5	29.17	235.7	30.29	48.31
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		50.00				30.00	
Range		50.00				50.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	165.0	80.54	21.91	103.1	32.68	8.679	9.488
SDev	114.6	.32	.04	.1	.10	1.255	.987
%RSD	69.46	.4011	.1756	.0681	.3080	14.46	10.40
#1	83.96	80.31	21.94	103.1	32.75	Q9.566	8.790
#2	246.0	80.77	21.89	103.0	32.61	7.792	10.19
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		80.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	116.6	18.24	9.118	8.447	115.4	117.2	9.723
SDev	1.2	1.75	2.078	.844	1.9	.9	.034
%RSD	1.061	9.604	22.79	9.991	1.655	.7684	.3491
#1	115.7	19.47	10.59	9.044	114.1	116.6	9.699
#2	117.5	17.00	7.649	7.850	116.8	117.8	9.747
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	9.359	46.97	25.17	300.2
SDev	1.463	.40	2.34	4.0
%SD	15.63	.8556	9.283	1.318
#1	8.324	47.25	23.52	297.4
#2	10.39	46.68	26.82	303.0
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1028	1000	--	--	--	--	--
SDev	.1886021	.0000000	--	--	--	--	--
%RSD	.0183444	.0000000	--	--	--	--	--
#1	1028	1000	--	--	--	--	--
#2	1028	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 02:35:55
Comment: CCV CVS1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	99.11	2084.	1010.	997.1	49490.	986.3	1014.
SDev	.20	115.	1.	.7	91.	1.3	2.
%RSD	.2031	5.534	.0949	.0680	.1847	.1350	.1815
#1	98.97	2166.	1009.	996.6	49560.	985.3	1013.
#2	99.26	2003.	1011.	997.5	49430.	987.2	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	989.4	1005.	2079.	47800.	49110.	998.4	1016.
SDev	3.7	1.	49.	74.	98.	.3	3.
%RSD	.3691	.0932	2.379	.1556	.1995	.0350	.2515
#1	986.8	1004.	2114.	47740.	49180.	998.2	1014.
#2	992.0	1006.	2044.	47850.	49040.	998.7	1017.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49130.	997.5	1049.	1009.	1015.	1023.	1014.
SDev	8.	.1	3.	.	1.	3.	1.
%RSD	.0159	.0099	.3197	.0307	.1094	.3100	.0853
#1	49120.	997.5	1047.	1009.	1014.	1025.	1015.
#2	49130.	997.4	1051.	1010.	1016.	1020.	1013.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	995.5	1019.	1024.	1022.	996.8	994.8	1017.
SDev	1.1	2.	3.	3.	1.5	.9	3.
%RSD	.1088	.2177	.3370	.2964	.1481	.0892	.3014
#1	994.7	1017.	1027.	1024.	995.7	994.2	1019.
#2	996.2	1020.	1022.	1019.	997.8	995.4	1015.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1012.	1020.	989.4	1026.
SDev	.	1.	5.1	3.
%SD	.0231	.0814	.5121	.2596
#1	1012.	1021.	985.8	1025.
#2	1013.	1020.	993.0	1028.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	965	1000	--	--	--	--	--
SDev	1.367171	.0000000	--	--	--	--	--
%RSD	.1417225	.0000000	--	--	--	--	--
#1	964	1000	--	--	--	--	--
#2	966	1000	--	--	--	--	--

AMENDED
DATA

Method: CLP3UB Sample Name: CCB
Run Time: 09/15/95 02:41:20
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1186	37.07	.4802	.4221	.1083	.5669	.2863
SDev	.1174	30.73	.2580	.2710	41.42	.2979	.0413
%RSD	99.01	82.89	53.73	64.22	38230.	52.55	14.43
#1	.2016	58.80	.6626	.6137	29.40	.7776	.3155
#2	.0356	15.34	.2977	.2304	-29.18	.3563	.2571
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3439	.6616	16.64	5.100	62.91	.4512	1.956
SDev	.4914	.2183	11.75	8.328	40.97	.2029	.720
%RSD	142.9	33.00	70.58	163.3	65.12	44.98	36.79
#1	.6914	.8159	24.95	10.99	91.88	.5947	2.465
#2	-.0035	.5072	8.337	-.7890	33.95	.3077	1.447
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.07	.7089	.9329	.2757	-5.126	.4869	-1.301
SDev	26.40	.4742	.7648	.1878	.171	.2830	.809
%RSD	119.6	66.89	81.98	68.09	3.328	58.13	62.17
#1	3.402	1.044	1.474	.4085	-5.006	.2868	-1.873
#2	40.74	.3736	.3921	.1430	-5.247	.6871	-.7290
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2181	.1111	1.627	-.0943	-1.317	.3184	-1.498
SDev	1.2214	.4081	1.511	1.1787	1.520	1.073	.595
%RSD	559.9	367.3	92.85	1250.	115.4	336.9	39.71
#1	-1.082	-.1774	2.696	-.9277	-2.391	-.4400	-1.077
#2	.6455	.3997	.5588	.7392	-.2422	1.077	-1.918
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-1.215	.0366	-2.484	1.925
SDev	1.509	2.860	.959	1.042
%SD	124.3	7812.	38.58	54.12
#1	-2.282	-1.986	-3.162	2.662
#2	-.1473	2.059	-1.807	1.189
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1004	1000	--	--	--	--	--
SDev	.9428810	.0000000	--	--	--	--	--
%RSD	.0939514	.0000000	--	--	--	--	--
#1	1003	1000	--	--	--	--	--
#2	1004	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 02:46:44
Comment: SDG:10591M ClientID:PBW 1:1
[redacted]: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1245	.8384	.2244	.0212	-24.76	.3200	.2798
SDev	.0084	11.13	.0586	.0689	15.21	.0055	.2565
%RSD	6.740	1327.	26.12	325.7	61.41	1.727	91.69
#1	.1305	-7.030	.1829	-.0276	-35.52	.3239	.4612
#2	.1186	8.706	.2658	.0699	-14.01	.3161	.0984
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0271	.2316	6.563	6.991	22.84	.2460	.1505
SDev	.3113	.2650	14.26	2.489	19.05	.0863	.7344
%RSD	1150.	114.4	217.2	35.60	83.44	35.08	487.9
#1	-.1931	.0442	-3.517	8.751	9.363	.1850	-.3688
#2	.2472	.4190	16.64	5.232	36.31	.3070	.6698
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
[redacted]gh	10.00	25.00	100.0	5000.	5000.	15.00	
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	123.4	.3356	1.773	.2625	11.81	1.121	.2509
SDev	67.7	.5794	1.664	.0058	.74	1.019	2.495
%RSD	54.86	172.7	93.88	2.220	6.249	90.95	994.1
#1	171.3	-.0742	2.950	.2584	11.29	.3999	2.015
#2	75.53	.7453	.5961	.2667	12.33	1.841	-1.513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.756	-.5970	.7104	1.313	-1.107	-2.091	.2247
SDev	.158	.9466	1.328	2.191	2.566	1.044	5.149
%RSD	9.004	158.6	186.9	166.8	231.8	49.93	2291.
#1	-1.867	.0723	1.649	-.2359	-2.922	-1.353	3.865
#2	-1.644	-1.266	-.2285	2.863	.7073	-2.830	-3.416
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.2521	-1.676	-1.964	1.170
SDev	1.170	4.570	1.771	1.247
%SD	464.0	272.7	90.19	106.6
#1	1.079	1.556	-.7113	2.052
#2	-.5749	-4.908	-3.216	.2881
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1005	1000	--	--	--	--	--
SDev	.0943010	.0000000	--	--	--	--	--
%RSD	.0093802	.0000000	--	--	--	--	--
#1	1005	1000	--	--	--	--	--
#2	1005	1000	--	--	--	--	--

AMENDED
DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 02:52:08
Comment: SDG:10591M ClientID:LCSW 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	953.4	18890.	19000.	477.5	47410.	473.6	4861.
SDev	.4	3.	5.	.3	106.	1.1	2.
%RSD	.0449	.0145	.0284	.0546	.2225	.2247	.0435
#1	953.7	18900.	19000.	477.3	47340.	472.9	4859.
#2	953.1	18890.	18990.	477.7	47490.	474.4	4862.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	949.4	2449.	9616.	47390.	47230.	1427.	.5238
SDev	1.1	3.	9.	92.	19.	1.	.2673
%RSD	.1172	.1421	.0948	.1935	.0401	.0721	51.03
#1	948.6	2451.	9609.	47450.	47240.	1426.	.3348
#2	950.2	2446.	9622.	47320.	47220.	1428.	.7128
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1200.	3000.	12000.	60000.	60000.	1800.	
Low	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48690.	3832.	1001.	4896.	1995.	293.8	466.0
SDev	80.	1.	.	3.	.	2.0	1.4
%RSD	.1634	.0182	.0151	.0612	.0033	.6712	.3083
#1	48750.	3832.	1001.	4894.	1996.	292.4	465.0
#2	48640.	3831.	1001.	4898.	1995.	295.2	467.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5776.	985.0	300.8	290.3	5774.	5777.	466.1
SDev	3.	2.4	4.4	.8	6.	7.	.3
%RSD	.0474	.2449	1.458	.2642	.1063	.1241	.0672
#1	5778.	986.7	297.7	289.8	5769.	5782.	466.3
#2	5774.	983.3	303.9	290.9	5778.	5772.	465.8
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	466.0	990.5	-3.138	2.553
SDev	2.3	8.6	1.107	1.687
%RSD	.4959	.8695	35.28	66.06
#1	464.3	996.6	-3.921	1.361
#2	467.6	984.4	-2.355	3.746
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	966	1000	--	--	--	--	--
SDev	.1414300	.0000000	--	--	--	--	--
%RSD	.0146466	.0000000	--	--	--	--	--
#1	966	1000	--	--	--	--	--
#2	966	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 02:57:32
Comment: SDG:10591M ClientID:MW-1 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0764	498.4	136.8	-.0371	8027.	.0171	.7312
SDev	.0419	1.3	.1	.0188	8.	.1557	.0733
%RSD	54.89	.2652	.0833	50.87	.0997	911.6	10.02
#1	.1061	499.4	136.9	-.0237	8021.	-.0930	.7831
#2	.0467	497.5	136.8	-.0504	8032.	.1272	.6794
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.970	1.967	787.1	1402.	2984.	9.669	.1204
SDev	.048	.031	1.1	1.	1.	.067	.0721
%RSD	2.423	1.595	.1380	.0637	.0232	.6978	59.88
#1	2.003	1.989	786.4	1403.	2983.	9.717	.0694
#2	1.936	1.945	787.9	1401.	2984.	9.621	.1714
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]ow	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4723.	1.661	.1662	2.104	49.72	2.024	.8163
SDev	67.	.215	2.735	.185	.47	.523	1.257
%RSD	1.416	12.97	1645.	8.791	.9514	25.84	154.0
#1	4676.	1.813	-1.767	2.235	49.38	1.654	-.0726
#2	4770.	1.508	2.100	1.973	50.05	2.394	1.705
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4325	-1.089	4.025	1.011	-.3216	-.4992	-1.505
SDev	.2159	.562	.481	1.024	.7730	.7107	.444
%RSD	49.91	51.60	11.95	101.3	240.4	142.3	29.47
#1	-.2798	-1.486	4.365	.2872	-.8682	.0033	-1.819
#2	-.5851	-.6916	3.685	1.736	.2250	-1.002	-1.192
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.963	L-2.884	41.85	.8645
SDev	1.663	1.448	1.95	.6315
%SD	84.72	50.23	4.659	73.05
#1	.7872	L-3.908	43.23	.4179
#2	3.139	L-1.860	40.47	1.311

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	987	1000	--	--	--	--	--
SDev	.8014078	.0000000	--	--	--	--	--
%RSD	.0812115	.0000000	--	--	--	--	--
#1	986	1000	--	--	--	--	--
#2	987	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:02:55
Comment: SDG:10591M ClientID:MW-1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3077	449.9	128.7	-.0010	7648.	.1985	.3785
SDev	.1007	1.2	.3	.0005	17.	.0419	.0201
%RSD	32.71	.2569	.2680	55.74	.2205	21.13	5.301
#1	.2366	450.7	128.9	-.0014	7637.	.1688	.3927
#2	.3789	449.0	128.5	-.0006	7660.	.2281	.3643
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.412	1.978	741.0	1407.	2850.	9.393	.4817
SDev	.271	.140	1.4	2.	2.	.026	.1346
%RSD	19.22	7.101	.1912	.1601	.0743	.2762	27.95
#1	1.220	2.077	742.0	1408.	2849.	9.411	.3865
#2	1.604	1.879	740.0	1405.	2852.	9.375	.5769
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4234.	2.482	-.0269	1.714	85.51	2.168	.8481
SDev	24.	.425	.2149	.184	.16	1.249	1.136
%RSD	.5735	17.13	799.1	10.75	.1874	57.60	133.9
#1	4217.	2.783	.1250	1.845	85.62	3.052	1.651
#2	4251.	2.182	-.1788	1.584	85.39	1.285	.0451
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.218	-1.160	3.138	1.669	-1.257	-1.211	-.6478
SDev	.695	.291	1.365	1.191	.775	1.427	.2707
%RSD	57.06	25.04	43.49	71.36	61.61	117.9	41.79
#1	-1.709	-.9550	4.103	2.512	-.7095	-2.221	-.4563
#2	-.7266	-1.366	2.173	.8270	-1.805	-.2018	-.8392
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.584	L-1.916	37.05	2.098
SDev	1.566	.220	1.21	1.333
%SD	98.91	11.50	3.252	63.51
#1	2.691	L-2.072	36.20	3.041
#2	.4760	L-1.760	37.90	1.156

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	992	1000	--	--	--	--	--
SDev	.3771179	.0000000	--	--	--	--	--
%RSD	.0380115	.0000000	--	--	--	--	--
#1	992	1000	--	--	--	--	--
#2	992	1000	--	--	--	--	--

AMENDED
DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 03:08:19
Comment: SDG:10591M ClientID:MW-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	51.25	2420.	2188.	50.83	7760.	51.79	521.4
SDev	.28	1.	.	.00	2.	.11	.9
%RSD	.5401	.0618	.0195	.0033	.0256	.2068	.1708
#1	51.45	2419.	2188.	50.83	7758.	51.71	520.8
#2	51.06	2421.	2187.	50.83	7761.	51.87	522.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	207.5	259.3	1840.	1542.	2888.	519.4	.4870
SDev	.4	.1	2.	6.	5.	.1	.0358
%RSD	.1859	.0541	.1291	.3808	.1701	.0106	7.357
#1	207.8	259.2	1841.	1547.	2884.	519.4	.4617
#2	207.3	259.4	1838.	1538.	2891.	519.3	.5124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4693.	513.1	2118.	531.6	612.7	512.2	1909.
SDev	58.	.1	3.	.4	.1	.4	1.
%RSD	1.246	.0290	.1368	.0678	.0216	.0819	.0318
#1	4734.	513.0	2116.	531.9	612.6	511.9	1909.
#2	4651.	513.2	2120.	531.4	612.8	512.5	1910.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	504.5	2001.	516.3	510.2	511.2	501.2	1912.
SDev	1.1	10.	1.7	1.5	1.4	.9	5.
%RSD	.2082	.4915	.3224	.2864	.2682	.1777	.2503
#1	505.3	1994.	517.5	509.1	512.1	501.8	1916.
#2	503.8	2008.	515.1	511.2	510.2	500.6	1909.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1908.	972.3	49.83	1.470
SDev	3.	5.9	1.35	.322
%SD	.1729	.6069	2.701	21.89
#1	1906.	968.1	50.78	1.698
#2	1910.	976.5	48.88	1.243
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	990	1000	--	--	--	--	--
SDev	.3299889	.0000000	--	--	--	--	--
%RSD	.0333384	.0000000	--	--	--	--	--
#1	990	1000	--	--	--	--	--
#2	990	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:13:42
Comment: SDG:10591M ClientID:MW-1L 1:5
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0532	183.7	29.31	-.0932	1586.	.1050	.3040
SDev	.1258	3.7	.00	.0222	1.	.0205	.0453
%RSD	236.4	2.026	.0123	23.84	.0335	19.48	14.92
#1	-.0358	181.1	29.31	-.1089	1587.	.0906	.2719
#2	.1422	186.4	29.31	-.0775	1586.	.1195	.3360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2937	1.038	163.2	317.7	612.1	2.207	L-.0578
SDev	.0459	.062	1.8	8.3	.9	.002	.1075
%RSD	15.63	6.011	1.104	2.600	.1534	.0737	185.9
#1	.2613	1.082	161.9	311.9	612.7	2.205	L-.1338
#2	.3262	.9936	164.5	323.6	611.4	2.208	.0182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1438.	.7482	2.907	.5636	11.43	.3793	-.0603
SDev	60.	.1074	1.448	.0930	.07	.3051	.4768
%RSD	4.144	14.35	49.80	16.51	.6559	80.43	790.4
#1	1396.	.6723	3.930	.6294	11.38	.5950	-.3974
#2	1480.	.8241	1.883	.4978	11.48	.1636	.2768
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.994	-.7577	1.817	-.3505	-3.234	-1.387	.0443
SDev	.672	.6127	.481	.2171	1.834	.092	1.315
%RSD	33.71	80.86	26.48	61.94	56.70	6.645	2971.
#1	-2.469	-1.191	2.157	-.1970	-4.531	-1.452	.9738
#2	-1.519	-.3244	1.477	-.5041	-1.937	-1.322	-.8853
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.1246	L-1.109	3.534	.6446
SDev	1.3711	1.079	1.498	1.286
%SD	1100.	97.28	42.39	199.5
#1	-1.094	L-.3462	2.475	1.554
#2	.8449	L-1.872	4.594	L-.2645

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	992	1000	--	--	--	--	--
SDev	.7071499	.0000000	--	--	--	--	--
%RSD	.0712602	.0000000	--	--	--	--	--
#1	993	1000	--	--	--	--	--
#2	992	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:19:04
Comment: SDG:10591M ClientID:MW-1SD 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0956	481.2	129.8	-.1150	7841.	.1186	.1550
SDev	.1510	1.0	.0	.0347	17.	.0205	.2844
%RSD	157.9	.2102	.0304	30.15	.2146	17.33	183.5
#1	.0111	481.9	129.8	-.0905	7829.	.1041	-.0462
#2	-.2024	480.4	129.8	-.1396	7853.	.1331	.3561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.310	1.493	823.8	1280.	2920.	10.08	.9226
SDev	.046	.390	2.2	3.	2.	.00	.4202
%RSD	3.498	26.13	.2688	.2240	.0562	.0398	45.54
#1	1.342	1.217	822.3	1282.	2919.	10.08	1.220
#2	1.277	1.769	825.4	1278.	2921.	10.08	.6255
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4190.	1.123	.8579	1.489	56.72	1.872	1.794
SDev	42.	.423	2.032	.094	.17	.151	.592
%RSD	1.005	37.70	236.9	6.341	.2978	8.065	33.02
#1	4160.	1.423	2.295	1.556	56.60	1.766	1.375
#2	4220.	.8237	-.5792	1.422	56.84	1.979	2.212
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.175	.2832	2.296	1.646	-1.336	-1.106	2.424
SDev	.980	.8781	2.283	1.366	.133	1.402	1.241
%RSD	83.39	310.0	99.43	83.01	9.972	126.8	51.19
#1	-1.867	.9041	3.910	.6797	-1.430	-2.097	1.547
#2	-.4820	-.3377	.6818	2.612	-1.242	-.1146	3.302
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.467	L-.9258	57.23	.9201
SDev	.268	2.9575	1.65	.1092
%SD	18.31	319.5	2.879	11.87
#1	1.277	1.165	58.39	.9974
#2	1.656	L-3.017	56.06	.8429
Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	996	1000	--	--	--	--	--
SDev	.3771610	.0000000	--	--	--	--	--
%RSD	.0378758	.0000000	--	--	--	--	--
#1	996	1000	--	--	--	--	--
#2	996	1000	--	--	--	--	--

AMENDED
DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 03:24:27
Comment: SDG:10591M ClientID:MW-6 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0871	220.8	508.4	-.1411	42720.	.1377	20.47
SDev	.2432	3.0	.2	.0396	18.	.2794	.13
%RSD	279.3	1.375	.0338	28.04	.0412	203.0	.6271
#1	-.0849	218.7	508.5	-.1691	42710.	-.0599	20.38
#2	.2591	223.0	508.3	-.1131	42730.	.3352	20.56
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.119	1.413	8311.	3131.	10290.	1633.	.5072
SDev	.049	.125	6.	7.	6.	.	.1275
%RSD	4.420	8.843	.0767	.2109	.0588	.0267	25.13
#1	1.084	1.324	8306.	3127.	10280.	1633.	.4171
#2	1.154	1.501	8315.	3136.	10290.	1633.	.5974
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18420.	7.608	.9986	-.3103	19.38	1.018	1.184
SDev	23.	.338	.5122	.0927	.01	1.435	2.446
%RSD	.1231	4.447	51.29	29.89	.0386	140.9	206.6
#1	18400.	7.369	1.361	-.3759	19.38	.0039	-.5455
#2	18430.	7.847	.6364	-.2447	19.37	2.033	2.914
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.855	-.5620	.8856	1.071	-2.934	-2.827	3.322
SDev	.735	.1258	1.359	1.472	1.049	1.626	5.515
%RSD	25.76	22.38	153.5	137.5	35.75	57.51	166.0
#1	-3.375	-.4730	-.0757	.0299	-2.192	-3.977	-.5770
#2	-2.335	-.6509	1.847	2.111	-3.675	-1.678	7.222
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.1042	L-.6489	4.190	.9078
SDev	.9138	1.8949	1.445	2.175
%SD	876.9	292.0	34.48	239.6
#1	-.5419	.6911	3.169	L-.6304
#2	.7504	L-1.989	5.212	2.446

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	981	1000	--	--	--	--	--
SDev	2.074278	.0000000	--	--	--	--	--
%RSD	.2113916	.0000000	--	--	--	--	--
#1	983	1000	--	--	--	--	--
#2	980	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:29:51
Comment: SDG:10591M ClientID:MW-3 1:1
[redacted]: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1482	2926.	103.7	.0171	17840.	.2209	1.870
SDev	.1006	3.	.0	.0063	.	.0303	.055
%RSD	67.90	.0935	.0336	36.99	.0025	13.72	2.953
#1	.0770	2924.	103.7	.0127	17840.	.1995	1.909
#2	.2194	2928.	103.7	.0216	17840.	.2423	1.831
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.661	6.340	4916.	1761.	7709.	81.38	.7116
SDev	.318	.172	20.	5.	2.	.26	.3412
%RSD	6.824	2.708	.4138	.2686	.0203	.3239	47.94
#1	4.436	6.461	4902.	1764.	7710.	81.20	.9529
#2	4.886	6.218	4930.	1757.	7708.	81.57	.4704
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6454.	5.128	-.3054	10.95	36.91	5.898	.1883
SDev	44.	.319	1.3404	.09	.08	.177	.1349
%RSD	.6769	6.215	438.9	.8441	.2067	2.993	71.66
#1	6485.	5.353	.6424	10.89	36.86	6.023	.2837
#2	6423.	4.902	-1.253	11.02	36.96	5.773	.0929
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.318	-.1038	5.677	5.995	-.5495	-1.714	1.594
SDev	.141	1.4753	2.884	1.705	.5186	.048	.237
%RSD	10.70	1421.	50.80	28.44	94.39	2.773	14.84
#1	-1.418	-1.147	3.638	7.200	-.9162	-1.680	1.762
#2	-1.218	.9394	7.717	4.789	-.1827	-1.747	1.427
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.5258	L-2.698	246.1	2.710
SDev	.0842	1.879	1.0	.017
%RSD	16.01	69.61	.3915	.6242
#1	-.4663	L-4.027	246.8	2.722
#2	-.5853	L-1.370	245.4	2.698

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	990	1000	--	--	--	--	--
SDev	.3300321	.0000000	--	--	--	--	--
%RSD	.0333315	.0000000	--	--	--	--	--
#1	990	1000	--	--	--	--	--
#2	990	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:35:14
Comment: SDG:10591M ClientID:MW-8 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0216	510.2	74.16	-.1013	44970.	.0991	1.502
SDev	.0923	4.1	.17	.0352	137.	.1118	.090
%RSD	426.5	.7989	.2331	34.69	.3045	112.8	6.005
#1	.0436	507.3	74.03	-.1262	45070.	.1782	1.566
#2	-.0869	513.0	74.28	-.0765	44880.	.0201	1.438
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.840	1.943	533.4	8093.	18640.	212.7	7.898
SDev	.088	.219	.6	12.	32.	.2	.291
%RSD	3.104	11.26	.1034	.1502	.1743	.0906	3.690
#1	2.903	2.098	533.0	8084.	18660.	212.9	7.692
#2	2.778	1.789	533.8	8101.	18610.	212.6	8.104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	45990.	2.867	.4818	4.013	25.30	2.380	-.0170
SDev	23.	.486	.3956	.274	.10	.018	1.2354
%RSD	.0490	16.94	82.11	6.837	.3967	.7419	7255.
#1	46000.	3.211	.7615	4.207	25.23	2.393	.8565
#2	45970.	2.524	.2021	3.819	25.37	2.368	-.8906
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.455	.2358	3.241	1.937	-2.049	-1.170	1.351
SDev	.048	1.239	.572	.260	2.508	1.325	1.545
%RSD	3.332	525.3	17.65	13.43	122.4	113.2	114.3
#1	-1.420	1.112	3.646	1.753	-3.823	-.2332	2.443
#2	-1.489	-.6402	2.837	2.121	-.2760	-2.107	.2588
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.7124	L-7.341	41.59	1.545
SDev	1.0810	.530	2.03	1.265
%D	151.7	7.213	4.872	81.86
#1	.0520	L-6.967	43.02	.6508
#2	-1.477	L-7.716	40.16	2.440

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	974	1000	--	--	--	--	--
SDev	1.037139	.0000000	--	--	--	--	--
%RSD	.1065063	.0000000	--	--	--	--	--
#1	975	1000	--	--	--	--	--
#2	973	1000	--	--	--	--	--

AMENDED

Method: CLP3.0 Sample Name: [redacted]
Run Time: 09/15/95 03:40:38
Comment: CCV CVS1
Id: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	99.30	1980.	1016.	994.7	49320.	987.4	1012.
SDev	.48	3.	.	1.5	54.	1.0	1.
%RSD	.4815	.1382	.0137	.1516	.1093	.0995	.1383
#1	98.96	1982.	1016.	993.7	49280.	988.1	1011.
#2	99.64	1978.	1016.	995.8	49360.	986.7	1013.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	989.6	1009.	2027.	47880.	48760.	996.5	1014.
SDev	1.0	1.	4.	18.	33.	.9	2.
%RSD	.1015	.1052	.1928	.0368	.0667	.0862	.1933
#1	988.8	1008.	2024.	47900.	48740.	995.8	1012.
#2	990.3	1009.	2029.	47870.	48790.	997.1	1015.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49140.	998.8	1051.	1009.	1016.	1021.	1014.
SDev	16.	.1	1.	.	.	1.	1.
%RSD	.0320	.0063	.0476	.0302	.0155	.0995	.0957
#1	49150.	998.8	1051.	1009.	1016.	1021.	1015.
#2	49130.	998.9	1052.	1010.	1016.	1022.	1014.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	995.7	1019.	1026.	1019.	995.4	995.8	1019.
SDev	2.8	2.	.	1.	.6	4.0	3.
%RSD	.2862	.1760	.0243	.1373	.0553	.4014	.3204
#1	997.7	1020.	1025.	1018.	995.8	998.7	1021.
#2	993.7	1018.	1026.	1020.	995.0	993.0	1017.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1012.	1027.	992.6	1031.
SDev	.	1.	1.0	1.
%RSD	.0173	.0547	.1019	.1320
#1	1012.	1028.	993.4	1032.
#2	1012.	1027.	991.9	1030.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	968	1000	--	--	--	--	--
SDev	1.367171	.0000000	--	--	--	--	--
%RSD	.1412345	.0000000	--	--	--	--	--
#1	967	1000	--	--	--	--	--
#2	969	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:46:02
Comment: CCB
M[redacted]: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0593	-6.069	.6719	.4392	-20.32	.5127	.7722
SDev	.0000	2.925	.5294	.4859	25.64	.5831	.8187
%RSD	.0614	48.20	78.79	110.6	126.2	113.7	106.0
#1	.0592	-8.138	1.046	.7828	-2.189	.9250	1.351
#2	.0593	-4.001	.2976	.0956	-38.46	.1004	.1933
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3064	.7609	5.369	8.391	38.57	.6963	1.516
SDev	.4444	.4525	4.106	21.87	24.44	.4932	1.288
%RSD	145.0	59.46	76.47	260.7	63.37	70.83	84.97
#1	.6206	1.081	8.273	23.86	55.86	1.045	2.427
#2	-.0079	.4410	2.466	-7.075	21.29	.3475	.6053
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
[redacted]ue	.0000	.0000	.0000	.0000	.0000	.0000	
[redacted]nge	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49.82	.3725	2.692	.5969	-4.882	.2541	-.2610
SDev	47.72	.5226	1.137	.4616	.517	.2305	1.1273
%RSD	95.78	140.3	42.22	77.34	10.59	90.69	431.9
#1	83.57	.7420	3.495	.9233	-4.516	.4171	.5361
#2	16.08	.0030	1.888	.2705	-5.247	.0912	-1.058
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.369	-.2837	.7233	.0080	-1.466	-1.333	-.1623
SDev	1.046	.0880	.1673	.4291	1.243	.947	3.7704
%RSD	76.38	31.02	23.14	5359.	84.79	71.07	2323.
#1	-2.109	-.3459	.6049	.3114	-2.345	-2.003	2.504
#2	-.6297	-.2214	.8416	-.2954	-.5870	-.6629	-2.828
[redacted]rors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.3222	-1.176	-3.866	.4337
SDev	.1923	.135	2.344	1.463
%RSD	59.67	11.44	60.64	337.4
#1	-.4581	-1.272	-2.208	-.6008
#2	-.1862	-1.081	-5.524	1.468
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1009	1000	--	--	--	--	--
SDev	.7071499	.0000000	--	--	--	--	--
%RSD	.0700877	.0000000	--	--	--	--	--
#1	1008	1000	--	--	--	--	--
#2	1009	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:51:26
Comment: SDG:10591M ClientID:MW-11 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0344	105.8	206.2	.0194	11080.	.1764	4.991
SDev	.0503	1.8	.4	.0948	48.	.1923	.084
%RSD	146.3	1.734	.1812	488.5	.4350	109.1	1.685
#1	-.0012	107.1	206.4	-.0476	11040.	.0404	5.051
#2	.0700	104.5	205.9	.0864	11110.	.3124	4.932
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1498	1.015	47.60	1647.	5416.	177.1	.0795
SDev	.0002	.219	1.71	2.	7.	.4	.0983
%RSD	.1543	21.53	3.582	.1236	.1333	.2018	123.7
#1	.1496	.8607	46.39	1649.	5411.	176.8	.1490
#2	.1499	1.170	48.81	1646.	5422.	177.3	.0099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13720.	1.876	1.299	.0597	29.32	.8234	.5858
SDev	41.	.319	.914	.0911	.33	.2334	1.054
%RSD	.3001	16.98	70.37	152.5	1.109	28.34	180.0
#1	13750.	2.101	1.945	-.0047	29.09	.9884	1.331
#2	13690.	1.651	.6525	.1241	29.55	.6584	-.1598
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.477	-.4093	3.386	-.4694	-.9762	-1.739	-.2925
SDev	.095	.3225	.116	.2918	2.4430	1.363	1.0064
%RSD	6.459	78.80	3.435	62.16	250.3	78.37	344.0
#1	-1.409	-.6374	3.468	-.2631	-2.704	-.7753	-1.004
#2	-1.544	-.1813	3.304	-.6758	.7513	-2.702	.4191
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.012	L-2.244	L-.9358	.5522
SDev	2.083	.649	.1063	.9739
%RSD	205.8	28.90	11.36	176.4
#1	2.485	L-1.785	L-1.011	1.241
#2	-.4608	L-2.703	L-.8606	L-.1364
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	995	1000	--	--	--	--	--
SDev	.1885589	.0000000	--	--	--	--	--
%RSD	.0189560	.0000000	--	--	--	--	--
#1	995	1000	--	--	--	--	--
#2	995	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 03:56:49
Comment: SDG:10591M ClientID:MW-10 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0459	623.9	107.9	-.1302	11730.	.0523	.2202
SDev	.4194	4.1	.1	.0462	5.	.1983	.0898
%RSD	912.9	.6523	.0677	35.45	.0422	379.1	40.76
#1	-.2506	621.0	108.0	-.1629	11720.	.1925	.2837
#2	.3425	626.7	107.9	-.0976	11730.	-.0879	.1568
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.855	3.303	637.7	3953.	4401.	20.41	1.569
SDev	.413	.172	7.4	12.	.	.02	.325
%RSD	7.052	5.203	1.159	.2972	.0012	.0954	20.69
#1	5.563	3.181	632.5	3944.	4401.	20.40	1.339
#2	6.147	3.424	643.0	3961.	4401.	20.42	1.798
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	T11908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4758.	5.389	.7506	2.248	55.05	3.648	1.077
SDev	86.	.058	1.896	.185	.06	.268	3.799
%RSD	1.816	1.081	252.6	8.244	.1061	7.347	352.7
#1	4697.	5.347	-.5902	2.117	55.01	3.837	3.764
#2	4819.	5.430	2.091	2.379	55.09	3.458	-1.609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.798	-1.383	4.565	3.176	-2.527	-1.447	2.346
SDev	.000	.244	.001	.402	2.595	1.296	3.506
%RSD	.0125	17.66	.0130	12.64	102.7	89.60	149.4
#1	-1.798	-1.556	4.566	3.460	-.6916	-2.363	4.825
#2	-1.798	-1.210	4.565	2.892	-4.362	-.5301	-.1326
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
[redacted]w	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	.4316	L-.8025	49.03	.1759
SD[illegible]	3.946	.3007	3.43	.5733
%[illegible]	914.2	37.47	6.997	326.0
#1	3.222	L-1.015	46.61	L-.2295
#2	-2.359	L-.5899	51.46	.5813

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	991	1000	--	--	--	--	--
SDev	.9428378	.0000000	--	--	--	--	--
%RSD	.0951545	.0000000	--	--	--	--	--
#1	992	1000	--	--	--	--	--
#2	990	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 04:02:13
Comment: SDG:10591M ClientID:MW-17 1:1
[redacted]: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0052	197.2	83.06	-.1455	29290.	.1856	2.033
SDev	.0587	1.1	.07	.0191	25.	.0879	.018
%RSD	1121.	.5534	.0799	13.15	.0866	47.35	.8629
#1	-.0363	196.4	83.01	-.1590	29270.	.1235	2.045
#2	.0467	198.0	83.11	-.1319	29300.	.2477	2.020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7275	1.313	72.04	8613.	3791.	813.2	.8502
SDev	.2702	.234	5.93	6.	3.	.5	.0808
%RSD	37.14	17.82	8.227	.0710	.0676	.0579	9.503
#1	.9186	1.148	76.23	8609.	3793.	812.8	.7930
#2	.5365	1.479	67.85	8617.	3789.	813.5	.9073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4997.	2.444	.8037	.9732	39.36	1.489	1.210
SDev	73.	.373	.8093	.0905	.12	1.181	1.078
%RSD	1.464	15.26	100.7	9.296	.3074	79.28	89.11
#1	4946.	2.180	1.376	1.037	39.44	2.324	1.972
#2	5049.	2.707	.2315	.9092	39.27	.6544	.4475
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3875	-.7419	1.887	1.277	-.4645	-.3611	2.144
SDev	.6376	2.0852	1.804	.870	1.1302	.3917	.336
%RSD	164.6	281.0	95.60	68.10	243.3	108.5	15.68
#1	-.8383	.7325	3.162	1.892	-1.264	-.6380	1.907
#2	.0634	-2.216	.6113	.6623	.3347	-.0841	2.382
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.7311	L-1.776	2.550	1.246
SDev	1.784	2.169	.547	.976
%SD	244.0	122.1	21.46	78.34
#1	1.993	L-.2424	2.937	.5557
#2	-.5305	L-3.310	2.163	1.936
Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	993	1000	--	--	--	--	--
SDev	.1414300	.0000000	--	--	--	--	--
%RSD	.0142482	.0000000	--	--	--	--	--
#1	993	1000	--	--	--	--	--
#2	993	1000	--	--	--	--	--

AMENDED
DATA

ethod: CLPSUE Sample Name: ...
un Time: 09/15/95 04:07:37
o ent: SDG:10591M ClientID:MW-1A 1:1
o CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	147.6	513.3	308.6	92.88	-1.373	139.3	361.8
SDev	.1	2.9	.3	.21	2.136	.2	.4
%RSD	.0796	.5730	.1059	.2300	155.6	.1323	.1012
#1	147.5	511.2	308.4	93.03	-2.883	139.4	362.1
#2	147.7	515.3	308.9	92.72	.1376	139.2	361.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	321.7	300.4	765.5	463.6	11.57	289.2	140.0
SDev	.6	.5	.6	12.3	.01	.5	.1
%RSD	.1852	.1714	.0722	2.658	.1149	.1651	.0701
#1	322.1	300.0	765.9	472.3	11.58	289.6	139.9
#2	321.2	300.8	765.2	454.9	11.56	288.9	140.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
h	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1069.	244.1	67.22	215.9	400.1	374.3	141.0
SDev	120.	1.4	.04	.3	.0	1.0	.5
%RSD	11.25	.5680	.0603	.1564	.0055	.2639	.3678
#1	1154.	245.1	67.25	216.1	400.1	375.0	141.3
#2	983.5	243.1	67.19	215.7	400.2	373.6	140.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	146.9	130.4	376.7	373.1	143.7	148.6	136.7
SDev	.3	.3	.6	1.8	.1	.5	.6
%RSD	.2172	.2281	.1568	.4760	.0639	.3529	.4604
#1	147.2	130.2	376.3	374.3	143.6	148.9	137.2
#2	146.7	130.6	377.1	371.8	143.7	148.2	136.3
rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	143.1	L-1.462	L-3.114	1.929
SDev	.5	2.688	3.725	1.329
%SD	.3236	183.9	119.6	68.92
#1	143.4	L-3.362	L-.4803	2.869
#2	142.7	.4388	L-5.748	.9888

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1009	1000	--	--	--	--	--
SDev	.7542789	.0000000	--	--	--	--	--
%RSD	.0747415	.0000000	--	--	--	--	--
#1	1009	1000	--	--	--	--	--
#2	1010	1000	--	--	--	--	--

AMENDED
DATA

Method: CLP3.0 Sample Name: TRIPBLK1

Run Time: 09/15/95 04:13:01
Comment: SDG:10591M ClientID:TRIPBLK1 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1186	-13.26	.1578	-.1413	-45.40	.1210	-.0754
SDev	.0168	3.89	.0128	.0398	1.64	.0524	.2087
%RSD	14.14	29.32	8.129	28.17	3.605	43.37	276.9
#1	.1305	-10.51	.1669	-.1131	-44.24	.1580	.0722
#2	.1068	-16.01	.1488	-.1694	-46.56	.0839	-.2229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1962	.2647	2.494	-3.104	2.116	.2250	.0071
SDev	.0006	.1250	3.311	7.632	.668	.0583	.0353
%RSD	.3027	47.23	132.8	245.9	31.58	25.91	497.3
#1	-.1958	.1763	4.835	-8.500	1.644	.2663	L-.0179
#2	-.1966	.3531	.1521	2.293	2.589	.1838	.0321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	72.26	.2979	.1486	.0068	8.646	.6164	2.373
SDev	72.32	.1046	1.213	.1803	.045	.6862	1.358
%RSD	100.1	35.12	816.0	2632.	.5149	111.3	57.23
#1	21.13	.3718	-.7088	-.1206	8.615	1.102	3.333
#2	123.4	.2239	1.006	.1343	8.678	.1312	1.413
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.714	-.1744	.3838	.7215	-1.636	-1.765	3.816
SDev	.148	.6789	2.020	.0213	.180	.312	1.654
%RSD	8.661	389.4	526.4	2.948	10.98	17.69	43.35
#1	-1.609	.3057	1.812	.7365	-1.763	-1.544	4.985
#2	-1.819	-.6544	-1.045	.7064	-1.509	-1.986	2.646
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.640	L-.9235	L-3.187	.6698
SDev	1.209	1.4992	2.422	1.151
%SD	73.72	162.3	75.99	171.8
#1	2.495	L-1.984	L-4.900	L-.1437
#2	.7852	.1366	L-1.475	1.483
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1010	1000	--	--	--	--	--
SDev	1.178569	.0000000	--	--	--	--	--
%RSD	.1166880	.0000000	--	--	--	--	--
#1	1009	1000	--	--	--	--	--
#2	1011	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 04:18:25
Comment: SDG:10591M ClientID:MW-1A 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	20.68	432.9	131.2	11.43	7920.	11.71	120.7
SDev	.23	2.6	.2	.00	30.	.16	.3
%RSD	1.095	.5900	.1696	.0206	.3800	1.333	.2540
#1	20.84	431.1	131.0	11.43	7941.	11.82	120.9
#2	20.52	434.7	131.4	11.43	7899.	11.60	120.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	25.37	62.56	777.8	1349.	2936.	44.83	.5058
SDev	.28	.36	1.0	12.	1.	.02	.1330
%RSD	1.084	.5734	.1325	.9076	.0282	.0370	26.30
#1	25.56	62.30	778.5	1358.	2937.	44.82	.5999
#2	25.17	62.81	777.0	1340.	2936.	44.84	.4118
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]ow	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4388.	94.80	24.96	123.5	93.55	8.427	10.93
SDev	101.	.29	.41	.3	.09	.215	1.32
%RSD	2.303	.3057	1.661	.2467	.0998	2.557	12.12
#1	4459.	95.01	25.26	123.8	93.62	8.274	11.86
#2	4316.	94.60	24.67	123.3	93.49	8.579	9.989
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	134.6	22.11	10.42	7.416	133.0	135.3	7.781
SDev	.0	.18	1.00	.174	.8	.4	.098
%RSD	.0145	.8197	9.553	2.345	.5685	.3005	1.264
#1	134.5	21.98	9.717	7.539	133.5	135.0	7.711
#2	134.6	22.24	11.12	7.293	132.4	135.6	7.850
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	12.48	L-1.427	40.01	.6263
SDev	2.03	2.731	4.95	2.712
%SD	16.30	191.4	12.38	433.0
#1	13.92	.5043	43.52	2.544
#2	11.04	L-3.358	36.51	L-1.291

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1004	1000	--	--	--	--	--
SDev	.2828600	.0000000	--	--	--	--	--
%RSD	.0281794	.0000000	--	--	--	--	--
#1	1004	1000	--	--	--	--	--
#2	1004	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 04:23:49
Comment: SDG:10592M ClientID:PBW 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1424	-15.22	.0178	-.1756	-57.46	.1322	-.0882
SDev	.2852	3.09	.0213	.0118	1.21	.0184	.0025
%RSD	200.3	20.29	119.7	6.736	2.100	13.89	2.780
#1	.3440	-13.04	.0027	-.1673	-58.31	.1192	-.0899
#2	-.0593	-17.41	.0328	-.1840	-56.61	.1452	-.0864
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1998	-.0003	-3.303	-12.18	-.7788	-.0008	-.0544
SDev	.0889	.0938	3.333	5.05	.6700	.0290	.3154
%RSD	44.47	37400.	100.9	41.47	86.03	3749.	579.4
#1	-.1370	.0661	-5.660	-8.606	-1.253	.0198	-.2775
#2	-.2627	-.0666	-.9455	-15.75	-.3051	-.0213	.1686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
[redacted]gh	10.00	25.00	100.0	5000.	5000.	15.00	
[redacted]ow	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-68.90	.1519	.5888	-.4369	-4.965	-.1808	-1.060
SDev	11.68	.5219	.8324	.0942	.056	1.3079	1.564
%RSD	16.95	343.7	141.4	21.57	1.127	723.6	147.5
#1	-77.16	.5209	.0002	-.5035	-5.004	.7440	.0454
#2	-60.64	-.2172	1.177	-.3703	-4.925	-1.106	-2.166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.167	-.3104	.8498	-.7071	-3.706	-1.411	.1633
SDev	.778	1.0888	1.539	1.1926	.717	1.524	4.237
%RSD	35.89	350.8	181.1	168.7	19.35	108.0	2595.
#1	-1.617	.4595	1.938	.1362	-4.214	-.3331	3.159
#2	-2.718	-1.080	-.2382	-1.550	-3.199	-2.489	-2.833
[redacted]rrors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]igh	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-1.683	-3.670	-3.748	.6446
SDev	.229	2.259	.912	1.413
%RSD	13.60	61.57	24.33	219.2
#1	-1.521	-5.267	-3.103	-.3545
#2	-1.845	-2.072	-4.392	1.644
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1016	1000	--	--	--	--	--
SDev	1.272870	.0000000	--	--	--	--	--
%RSD	.1253050	.0000000	--	--	--	--	--
#1	1015	1000	--	--	--	--	--
#2	1017	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 04:29:12
Comment: SDG:10592M ClientID:LCSW 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	966.2	18940.	18920.	476.0	47420.	470.6	4856.
SDev	.5	1.	24.	.1	5.	.4	.
%RSD	.0530	.0050	.1279	.0154	.0104	.0922	.0038
#1	966.5	18940.	18900.	476.0	47430.	470.9	4856.
#2	965.8	18940.	18940.	475.9	47420.	470.3	4856.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	948.3	2465.	9535.	47250.	46840.	1423.	.2434
SDev	.3	.	3.	33.	16.	.	.1812
%RSD	.0338	.0095	.0365	.0690	.0348	.0040	74.48
#1	948.6	2465.	9538.	47220.	46850.	1423.	.3715
#2	948.1	2465.	9533.	47270.	46830.	1423.	.1152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
[redacted]gh	1200.	3000.	12000.	60000.	60000.	1800.	
[redacted]w	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48790.	3821.	995.6	4874.	2005.	294.0	461.8
SDev	92.	.	1.3	3.	1.	.7	1.5
%RSD	.1894	.0129	.1345	.0718	.0634	.2265	.3323
#1	48720.	3821.	994.6	4876.	2006.	294.5	462.9
#2	48860.	3821.	996.5	4871.	2005.	293.5	460.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5733.	983.3	301.4	290.3	5738.	5730.	463.0
SDev	7.	4.7	.3	.9	7.	7.	6.9
%RSD	.1284	.4785	.0935	.2954	.1278	.1286	1.487
#1	5728.	980.0	301.6	290.9	5733.	5725.	467.8
#2	5738.	986.6	301.2	289.7	5743.	5735.	458.1
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	461.2	984.6	.1509	1.857
SDev	1.1	3.8	.7663	.622
%SD	.2466	.3900	507.8	33.50
#1	460.4	981.9	-.3910	1.417
#2	462.0	987.3	.6928	2.297
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	982	1000	--	--	--	--	--
SDev	.3300321	.0000000	--	--	--	--	--
%RSD	.0336213	.0000000	--	--	--	--	--
#1	982	1000	--	--	--	--	--
#2	981	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 04:34:36
Comment: SDG:10592M ClientID:MW-9 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2440	115.6	671.0	-.0627	44450.	.1836	4.936
SDev	.3523	1.1	1.4	.0485	98.	.0953	.832
%RSD	144.4	.9399	.2047	77.40	.2200	51.90	16.85
#1	-.0051	114.8	670.0	-.0971	44380.	.1162	4.348
#2	.4931	116.4	671.9	-.0284	44520.	.2510	5.524
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6980	2.991	80.03	7899.	13020.	230.4	1.402
SDev	.5846	.109	2.42	19.	2.	.7	.151
%RSD	83.75	3.659	3.027	.2375	.0119	.2904	10.79
#1	.2846	2.913	78.32	7912.	13010.	229.9	1.295
#2	1.111	3.068	81.75	7886.	13020.	230.9	1.509
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9416.	2.367	.3979	1.306	65.35	.9464	.0740
SDev	37.	.690	.5660	.736	.33	.7961	.2673
%RSD	.3953	29.15	142.2	56.36	.5047	84.12	361.2
#1	9443.	1.879	.7982	.7853	65.11	1.509	.2630
#2	9390.	2.855	-.0023	1.826	65.58	.3835	-.1150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8901	-1.112	1.176	.8175	-.2016	1.423	-1.758
SDev	1.113	.803	.144	1.123	.8264	1.256	.904
%RSD	125.0	72.27	12.24	137.3	410.0	88.26	51.44
#1	.1032	-1.680	1.278	1.611	-.7859	.5350	-1.118
#2	1.677	-.5436	1.074	.0236	.3828	2.311	-2.397
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.9756	L-3.573	L-1.078	L-.0482
SDev	.0517	1.216	2.663	2.0656
%SD	5.297	34.02	246.9	4284.
#1	.9391	L-2.714	L-2.961	L-1.509
#2	1.012	L-4.433	.8045	1.412
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	993	1000	--	--	--	--	--
SDev	.8014510	.0000000	--	--	--	--	--
%RSD	.0806817	.0000000	--	--	--	--	--
#1	993	1000	--	--	--	--	--
#2	994	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 04:39:59
Comment: SDG:10592M ClientID:MW-9D 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0073	136.3	638.5	-.1679	42500.	.1328	3.948
SDev	.0671	2.5	.9	.0075	29.	.0920	.301
%RSD	916.5	1.840	.1335	4.449	.0679	69.26	7.613
#1	.0548	134.5	637.9	-.1732	42530.	.1978	3.735
#2	-.0401	138.0	639.1	-.1626	42480.	.0678	4.160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.684	3.178	77.27	7596.	12450.	222.3	.4152
SDev	.043	.094	3.34	11.	.	.0	.1060
%RSD	1.591	2.945	4.318	.1488	.0032	.0054	25.54
#1	2.714	3.112	79.63	7588.	12450.	222.3	.3402
#2	2.654	3.245	74.91	7604.	12450.	222.3	.4902
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9059.	2.042	.2855	.5789	106.0	2.791	-1.347
SDev	35.	.472	1.286	.2745	.1	.612	1.210
%RSD	.3820	23.14	450.4	47.42	.1318	21.95	89.83
#1	9084.	1.708	1.195	.3848	106.1	2.358	-.4913
#2	9035.	2.376	-.6238	.7730	105.9	3.224	-2.202
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7818	-1.636	2.668	2.837	.7409	.7904	-2.532
SDev	.7262	2.680	.728	.555	1.730	.2250	4.343
%RSD	92.89	163.8	27.29	19.55	233.5	28.46	171.5
#1	.2683	.2592	2.153	2.445	-.4826	.6313	.5390
#2	1.295	-3.531	3.183	3.230	1.964	.9494	-5.603
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.7669	1.394	L-2.100	.2469
SDev	.3545	2.063	.396	.8260
%SD	46.23	148.0	18.84	334.6
#1	-1.018	2.853	L-1.820	.8309
#2	-.5162	L-.0651	L-2.380	L-.3372

Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1008	1000	--	--	--	--	--
SDev	.4714189	.0000000	--	--	--	--	--
%RSD	.0467716	.0000000	--	--	--	--	--
#1	1008	1000	--	--	--	--	--
#2	1008	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 04:45:23
Comment: CCV CVS1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	99.86	1980.	1020.	994.4	49310.	986.8	1012.
SDev	.53	7.	2.	4.3	325.	4.4	4.
%RSD	.5289	.3434	.2109	.4307	.6601	.4413	.4005
#1	99.48	1985.	1021.	991.4	49080.	983.7	1009.
#2	100.2	1975.	1018.	997.4	49540.	989.8	1015.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	989.6	1011.	2013.	47880.	48590.	996.0	1017.
SDev	3.6	.	11.	188.	95.	4.1	3.
%RSD	.3677	.0401	.5243	.3933	.1960	.4103	.3185
#1	987.0	1011.	2005.	48010.	48520.	993.1	1015.
#2	992.2	1011.	2020.	47740.	48660.	998.9	1020.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
[redacted]lue	1000.	1000.	2000.	50000.	50000.	1000.	1000.
[redacted]nge	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49130.	998.9	1046.	1010.	1015.	1023.	1013.
SDev	68.	5.0	7.	3.	4.	2.	1.
%RSD	.1376	.5018	.6685	.3081	.3685	.1623	.1334
#1	49080.	995.4	1041.	1007.	1012.	1022.	1014.
#2	49180.	1002.	1050.	1012.	1018.	1025.	1012.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	997.0	1021.	1025.	1022.	999.0	996.0	1014.
SDev	.7	1.	3.	1.	.7	.7	2.
%RSD	.0744	.1147	.2790	.1039	.0748	.0741	.1872
#1	996.5	1020.	1023.	1022.	998.5	995.4	1016.
#2	997.5	1022.	1027.	1023.	999.5	996.5	1013.
[redacted]rors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED
DATA

Avge	1012.	1023.	993.6	1031.
SDev	1.	11.	6.6	3.
%RSD	.1066	1.059	.6620	.3014
#1	1013.	1015.	988.9	1033.
#2	1011.	1031.	998.2	1028.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	971	1000	--	--	--	--	--
SDev	2.215708	.0000000	--	--	--	--	--
%RSD	.2281847	.0000000	--	--	--	--	--
#1	969	1000	--	--	--	--	--
#2	973	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 04:50:47
Comment: CCB
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0356	-15.84	.4666	.0612	-36.32	.4724	.2276
SDev	.3523	2.86	.1393	.0906	5.10	.0821	.1215
%RSD	989.2	18.03	29.85	148.1	14.03	17.38	53.38
#1	.2135	-17.86	.5650	.1253	-32.72	.5304	.1417
#2	-.2847	-13.82	.3681	-.0029	-39.93	.4143	.3135
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1784	.4960	3.659	-5.119	20.05	.3469	1.108
SDev	.2664	.1093	.004	8.323	2.39	.1741	.326
%RSD	149.3	22.03	.1188	162.6	11.91	50.20	29.44
#1	.3668	.5733	3.656	.7657	21.74	.4700	1.339
#2	-.0099	.4187	3.663	-11.00	18.36	.2238	.8776
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-144.2	.3364	.6723	.1468	-5.288	.1531	.4376
SDev	25.6	.2606	1.032	.1825	.057	.7986	1.453
%RSD	17.79	77.48	153.5	124.3	1.081	521.5	332.1
#1	-126.1	.5206	1.402	.2758	-5.328	-.4116	1.465
#2	-162.3	.1521	-.0575	.0177	-5.248	.7178	-.5901
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.156	-1.575	.5666	-.0651	-.2074	-1.642	.5676
SDev	.395	.669	.4327	1.4133	.2385	.711	.1010
%RSD	34.15	42.48	76.37	2170.	114.9	43.30	17.79
#1	-.8770	-2.048	.8725	-1.065	-.3761	-1.139	.4962
#2	-1.435	-1.102	.2606	.9342	-.0388	-2.144	.6391
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.3608	-1.985	-6.026	-.5162
SDev	2.229	.423	1.112	2.0392
%RSD	617.9	21.30	18.46	395.0
#1	1.937	-2.284	-5.240	.9257
#2	-1.216	-1.686	-6.812	-1.958
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1011	1000	--	--	--	--	--
SDev	.8485799	.0000000	--	--	--	--	--
%RSD	.0839139	.0000000	--	--	--	--	--
#1	1011	1000	--	--	--	--	--
#2	1012	1000	--	--	--	--	--

AMENDED
DATA

Method: CLP3UE Sample Name: 739097 #33 Operator:
Run Time: 09/15/95 04:56:11
Comment: SDG:10592M ClientID:MW-9S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	51.40	2043.	2690.	50.71	42870.	51.11	517.6
SDev	.43	.	3.	.29	13.	.00	.5
%RSD	.8323	.0202	.1197	.5810	.0297	.0054	.0981
#1	51.71	2043.	2692.	50.50	42860.	51.11	517.3
#2	51.10	2043.	2688.	50.92	42870.	51.11	518.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	202.6	262.2	1064.	7568.	12560.	719.9	1.334
SDev	.4	.1	4.	5.	6.	.3	.635
%RSD	.2143	.0477	.3416	.0624	.0465	.0378	47.60
#1	202.3	262.3	1061.	7571.	12550.	719.7	.8850
#2	202.9	262.1	1067.	7564.	12560.	720.1	1.783
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9129.	505.6	2127.	522.4	572.0	512.4	1944.
SDev	12.	.3	2.	.2	.3	1.8	2.
%RSD	.1272	.0528	.1034	.0336	.0544	.3419	.0853
#1	9121.	505.8	2129.	522.6	572.3	511.1	1945.
#2	9137.	505.4	2126.	522.3	571.8	513.6	1943.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	501.2	2017.	514.5	511.3	508.8	497.4	1954.
SDev	3.1	2.	1.2	3.2	2.8	3.2	11.
%RSD	.6172	.1096	.2381	.6333	.5511	.6509	.5440
#1	503.4	2019.	515.4	509.0	510.8	499.7	1962.
#2	499.0	2016.	513.6	513.6	506.8	495.1	1946.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1939.	976.2	3.591	1.319
SDev	3.	.5	.198	.663
%SD	.1454	.0523	5.523	50.29
#1	1937.	976.5	3.732	.8497
#2	1941.	975.8	3.451	1.788
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	994	1000	--	--	--	--	--
SDev	.5185910	.0000000	--	--	--	--	--
%RSD	.0521853	.0000000	--	--	--	--	--
#1	993	1000	--	--	--	--	--
#2	994	1000	--	--	--	--	--

AMENDED DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 05:01:35
Comment: SDG:10592M ClientID:MW-9L 1:5
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1043	79.54	137.1	-.1204	8875.	.2131	.9279
SDev	.1594	3.32	.3	.1196	5.	.0597	.0668
%RSD	152.8	4.178	.2352	99.34	.0564	28.00	7.195
#1	-.2170	77.19	136.9	-.2050	8879.	.2553	.8807
#2	.0084	81.89	137.3	-.0358	8872.	.1709	.9751
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1276	1.181	17.21	1442.	2612.	47.27	.2235
SDev	.1771	.140	1.67	1.	2.	.09	.1058
%RSD	138.7	11.90	9.709	.0375	.0868	.1838	47.32
#1	-.0024	1.081	18.39	1443.	2610.	47.21	.2983
#2	-.2529	1.280	16.03	1442.	2613.	47.33	.1487
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2355.	1.002	3.053	.1365	14.35	-.2359	1.149
SDev	25.	.159	2.149	.0000	.32	.1624	.365
%RSD	1.066	15.82	70.39	.0241	2.248	68.87	31.77
#1	2373.	1.114	4.573	.1365	14.12	-.3507	.8909
#2	2338.	.8900	1.533	.1365	14.57	-.1210	1.407
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.470	.7871	.7494	-.7411	-1.918	-1.259	-.0814
SDev	1.449	.3955	.3139	.0868	.061	2.141	.8628
%RSD	98.56	50.24	41.88	11.72	3.175	170.0	1060.
#1	-.4455	.5075	.5275	-.8025	-1.875	.2547	.5286
#2	-2.494	1.067	.9713	-.6797	-1.961	-2.773	-.6915
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.752	L-3.291	L-4.760	L-1.132
SDev	.977	.004	.779	2.454
%RSD	55.76	.1280	16.37	216.9
#1	1.061	L-3.288	L-4.209	L-2.867
#2	2.443	L-3.294	L-5.311	.6037
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1008	1000	--	--	--	--	--
SDev	.6128489	.0000000	--	--	--	--	--
%RSD	.0607774	.0000000	--	--	--	--	--
#1	1009	1000	--	--	--	--	--
#2	1008	1000	--	--	--	--	--

AMENDED
DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 05:06:58
Comment: SDG:10592M ClientID:TRIPBLK2 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0119	-12.61	.2795	-.1402	-52.91	.1146	.0030
SDev	.0000	2.81	.1087	.0235	3.12	.0566	.0004
%RSD	.0538	22.25	38.89	16.78	5.888	49.35	12.29
#1	-.0119	-10.62	.2026	-.1568	-55.12	.0746	.0032
#2	-.0119	-14.59	.3563	-.1235	-50.71	.1546	.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2295	.0880	-1.002	-4.273	1.378	.1219	.3240
SDev	.0445	.1873	1.655	6.984	1.684	.0866	.1491
%RSD	19.39	212.8	165.2	163.4	122.1	71.06	46.02
#1	-.1980	-.0444	.1682	-9.212	.1879	.0606	.2185
#2	-.2609	.2205	-2.172	.6655	2.569	.1831	.4294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-14.78	-.1446	1.455	-.1174	-5.328	.4572	.9564
SDev	175.77	.1028	1.036	.1823	.000	.6743	.5329
%RSD	1190.	71.08	71.20	155.3	.0011	147.5	55.72
#1	-139.1	-.2172	.7226	-.2463	-5.328	-.0196	.5795
#2	109.5	-.0719	2.188	.0115	-5.328	.9340	1.333
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.957	-1.130	.3303	.5087	-3.088	-1.403	2.694
SDev	1.806	1.463	.7703	1.395	.415	2.498	1.648
%RSD	92.26	129.4	233.2	274.3	13.45	178.0	61.15
#1	-.6803	-.0963	.8750	-.4780	-2.794	.3633	3.859
#2	-3.234	-2.165	-.2144	1.496	-3.382	-3.170	1.529
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.0777	L-1.271	L-2.756	1.338
SDev	1.621	1.275	.331	.583
%RSD	2086.	100.3	12.01	43.58
#1	-1.068	L-2.173	L-2.990	1.751
#2	1.224	L-.3694	L-2.522	.9259
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1013	1000	--	--	--	--	--
SDev	.7071499	.0000000	--	--	--	--	--
%RSD	.0697833	.0000000	--	--	--	--	--
#1	1013	1000	--	--	--	--	--
#2	1014	1000	--	--	--	--	--

AMENDED
DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 05:12:22
Comment: SDG:10592M ClientID:MW-2 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0252	126.6	211.5	-.2248	32870.	.1497	-.0128
SDev	.0671	1.8	.2	.0180	56.	.0180	.0207
%RSD	266.7	1.410	.0866	7.992	.1704	12.04	161.5
#1	.0223	125.4	211.4	-.2375	32910.	.1624	-.0274
#2	-.0726	127.9	211.7	-.2121	32830.	.1369	.0018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	20.34	1.677	214.8	3548.	6057.	19.49	2.156
SDev	.46	.125	5.1	1.	7.	.12	.169
%RSD	2.237	7.443	2.384	.0306	.1236	.6337	7.819
#1	20.02	1.589	211.2	3549.	6052.	19.40	2.275
#2	20.66	1.766	218.4	3547.	6063.	19.58	2.037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5147.	7.184	1.866	1.677	16.95	1.273	.6774
SDev	90.	.320	1.821	.184	.12	.419	.0761
%RSD	1.751	4.453	97.62	10.94	.7009	32.93	11.24
#1	5210.	6.958	.5779	1.548	17.03	1.569	.7312
#2	5083.	7.410	3.154	1.807	16.86	.9765	.6236
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.186	.6514	1.197	1.298	-1.543	-2.519	1.431
SDev	1.010	.1329	.073	.664	.076	1.552	1.237
%RSD	46.18	20.40	6.066	51.11	4.921	61.59	86.40
#1	-1.472	.7454	1.145	1.767	-1.597	-1.422	.5569
#2	-2.900	.5575	1.248	.8290	-1.489	-3.616	2.306
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.2889	L-3.597	2.789	1.693
SDev	.7316	1.011	1.389	.943
%RSD	253.2	28.11	49.80	55.69
#1	.8063	L-2.882	3.771	2.359
#2	-.2284	L-4.311	1.807	1.026

Errors	NOCHECK	LC Low	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	998	1000	--	--	--	--	--
SDev	.3299889	.0000000	--	--	--	--	--
%RSD	.0330490	.0000000	--	--	--	--	--
#1	999	1000	--	--	--	--	--
#2	998	1000	--	--	--	--	--

AMENDED DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 05:18:48
Comment: SDG:10592M ClientID:MW-4 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0889	111.1	23.78	-.1873	3715.	.0848	-.3767
SDev	.1090	.9	.01	.0174	3.	.1184	.2381
%RSD	122.7	.8150	.0233	9.265	.0896	139.7	63.20
#1	.1660	111.7	23.78	-.1750	3712.	.1685	-.5450
#2	.0118	110.4	23.78	-.1996	3717.	.0010	-.2083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.498	2.185	48.33	418.3	1737.	1.325	.4682
SDev	.357	.000	4.12	7.6	2.	.028	.4052
%RSD	23.83	.0104	8.526	1.812	.1326	2.088	86.53
#1	1.750	2.185	45.42	423.6	1738.	1.306	.1817
#2	1.245	2.185	51.25	412.9	1735.	1.345	.7547
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3171.	.4834	-1.228	.4521	54.18	1.457	.0007
SDev	41.	.0506	.806	.0958	.32	.465	.1181
%RSD	1.306	10.48	65.61	21.19	.5975	31.91	16480.
#1	3200.	.5192	-1.798	.3844	53.95	1.786	-.0828
#2	3141.	.4476	-.6583	.5199	54.41	1.128	.0843
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.766	-.6096	1.824	1.260	-2.804	-1.260	.0491
SDev	.712	.4395	.246	.820	.794	1.463	2.942
%RSD	40.29	72.11	13.47	65.04	28.30	116.1	5997.
#1	-2.269	-.9204	1.650	1.840	-2.243	-2.294	2.130
#2	-1.263	-.2988	1.997	.6808	-3.365	-.2254	-2.032
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-.0353	L-2.823	L-.4596	.4346
SDev	1.6462	.349	2.4125	.0278
%RSD	4662.	12.37	525.0	6.396
#1	-1.199	L-3.070	1.246	.4542
#2	1.129	L-2.576	L-2.165	.4149

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1009	1000	--	--	--	--	--
SDev	.9428378	.0000000	--	--	--	--	--
%RSD	.0934319	.0000000	--	--	--	--	--
#1	1008	1000	--	--	--	--	--
#2	1010	1000	--	--	--	--	--

AMENDED DATA

Method: CLP50E Sample Name: [illegible]
Run Time: 09/15/95 05:24:13
Comment: SDG:10592M ClientID:MW-12 1:1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0831	91.83	111.4	-.2304	16660.	.1398	-.3769
SDev	.1007	2.82	.1	.0251	11.	.1245	.1425
%RSD	121.1	3.068	.0477	10.91	.0663	89.05	37.82
#1	-.1543	89.84	111.4	-.2482	16660.	.0518	-.4777
#2	-.0119	93.82	111.4	-.2126	16650.	.2278	-.2761
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4992	1.081	2.449	1677.	7318.	.9644	.2884
SDev	.0882	.094	5.841	2.	2.	.0007	.3982
%RSD	17.68	8.647	238.5	.1411	.0227	.0682	138.1
#1	.5616	1.015	-1.681	1676.	7319.	.9639	.0068
#2	.4368	1.148	6.580	1679.	7317.	.9648	.5700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5561.	1.413	.3238	.7804	45.64	.3720	.2753
SDev	81.	.002	1.983	.1858	.16	.4117	1.431
%RSD	1.450	.1333	612.3	23.81	.3549	110.7	520.0
#1	5618.	1.412	1.726	.6490	45.75	.0809	-.7369
#2	5504.	1.414	-1.078	.9117	45.52	.6631	1.288
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.162	-2.317	.6634	.2131	-.8217	-2.844	.5773
SDev	.375	.714	.0819	.6581	1.4006	.138	1.194
%RSD	17.34	30.82	12.35	308.8	170.4	4.848	206.9
#1	-1.897	-2.822	.7213	-.2523	.1687	-2.941	-.2673
#2	-2.427	-1.812	.6054	.6785	-1.812	-2.746	1.422
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	.1126	L-2.939	L-2.447	1.254
SDev	1.550	2.928	.833	.715
%RSD	1376.	99.62	34.04	57.07
#1	-.9834	L-.8688	L-1.858	.7479
#2	1.209	L-5.010	L-3.036	1.760
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1005	1000	--	--	--	--	--
SDev	.5657200	.0000000	--	--	--	--	--
%RSD	.0562691	.0000000	--	--	--	--	--
#1	1006	1000	--	--	--	--	--
#2	1005	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 05:29:37
Comment: SDG:10592M ClientID:MW-9SD 1:1
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0839	176.9	661.1	-.2074	44260.	.1437	3.777
SDev	.0755	2.8	.8	.0219	16.	.0150	.040
%RSD	89.95	1.561	.1191	10.54	.0354	10.43	1.064
#1	.1373	178.9	661.7	-.1919	44250.	.1331	3.748
#2	.0306	175.0	660.5	-.2228	44270.	.1542	3.805
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5615	.7724	55.29	7656.	12940.	228.9	.6132
SDev	.4003	.0001	4.99	11.	6.	.1	.0436
%RSD	71.28	.0065	9.019	.1385	.0456	.0635	7.117
#1	.2785	.7724	51.76	7663.	12930.	228.8	.5824
#2	.8446	.7723	58.82	7648.	12940.	229.0	.6441
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
[redacted]gh	25000.	25000.	300000.	600000.	700000.	10000.	25000.
[redacted]w	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9681.	1.906	-.6103	.1296	12.80	.2795	.2808
SDev	67.	.267	2.2972	.3664	.15	.7445	1.041
%RSD	.6946	14.02	376.4	282.7	1.182	266.4	370.9
#1	9729.	2.095	1.014	.3887	12.70	-.2469	-.4555
#2	9633.	1.717	-2.235	-.1295	12.91	.8060	1.017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.005	-1.244	1.411	-.2975	-2.091	-1.974	-1.300
SDev	.382	.064	.086	1.0734	.854	1.000	2.164
%RSD	19.05	5.127	6.089	360.7	40.86	50.68	166.4
#1	-1.735	-1.199	1.351	-1.057	-2.695	-1.266	.2295
#2	-2.275	-1.289	1.472	.4614	-1.487	-2.681	-2.830
[redacted]rors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]gh	25000.	25000.					
[redacted]w	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.058	L-1.424	L-.8021	.9006
SDev	2.641	.501	.2016	1.883
%RSD	249.6	35.21	25.13	209.1
#1	-.8096	L-1.069	L-.6596	L-.4309
#2	2.926	L-1.779	L-.9447	2.232
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1000	1000	--	--	--	--	--
SDev	1.791418	.0000000	--	--	--	--	--
%RSD	.1792164	.0000000	--	--	--	--	--
#1	998	1000	--	--	--	--	--
#2	1001	1000	--	--	--	--	--

AMENDED DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 05:35:01
Comment: SDG:10592M ClientID:MW-9A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	20.66	190.3	659.9	11.49	44180.	12.01	124.7
SDev	.03	5.4	.8	.00	215.	.01	.7
%RSD	.1627	2.858	.1244	.0066	.4877	.0826	.5297
#1	20.63	186.5	659.3	11.49	44330.	12.02	125.1
#2	20.68	194.2	660.5	11.49	44030.	12.00	124.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	25000.	600000.	25000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	23.59	64.34	81.39	7877.	12900.	264.4	.5651
SDev	.37	.64	2.52	25.	23.	.8	.2931
%RSD	1.568	.9944	3.097	.3122	.1814	.2837	51.87
#1	23.85	63.89	79.61	7860.	12910.	264.9	.7724
#2	23.33	64.79	83.17	7894.	12880.	263.9	.3579
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	25000.	300000.	600000.	700000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9812.	96.00	25.66	122.3	109.8	8.738	12.02
SDev	22.	1.10	.14	.1	.5	.341	.03
%RSD	.2197	1.150	.5651	.0514	.4112	3.899	.2140
#1	9827.	96.78	25.76	122.4	110.1	8.497	12.00
#2	9797.	95.22	25.55	122.3	109.5	8.979	12.04
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	25000.	25000.	25000.	10000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	137.5	22.39	8.298	8.943	137.0	137.8	12.43
SDev	.7	.40	.542	.781	1.5	.2	.20
%RSD	.4882	1.777	6.529	8.737	1.127	.1721	1.571
#1	137.0	22.67	8.681	8.390	135.9	137.6	12.29
#2	138.0	22.11	7.915	9.495	138.1	137.9	12.57
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	11.80	L-4.094	L-.8586	1.643
SDev	.06	.278	2.8182	.491
%RSD	.5083	6.798	328.2	29.89
#1	11.84	L-4.291	1.134	1.296
#2	11.76	L-3.898	L-2.851	1.991
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1003	1000	--	--	--	--	--
SDev	.5185478	.0000000	--	--	--	--	--
%RSD	.0517229	.0000000	--	--	--	--	--
#1	1002	1000	--	--	--	--	--
#2	1003	1000	--	--	--	--	--

AMENDED DATA

Method: CLP3UZ Sample Name: CC:
Run Time: 09/15/95 05:40:25
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.1	1972.	1017.	994.1	49240.	986.6	1013.
SDev	.2	4.	.	1.1	46.	1.2	2.
%RSD	.1760	.1905	.0224	.1108	.0934	.1253	.1705
#1	99.94	1975.	1017.	993.3	49210.	985.7	1012.
#2	100.2	1970.	1017.	994.8	49270.	987.5	1014.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	989.5	1013.	2004.	47920.	48440.	995.4	1016.
SDev	2.0	3.	4.	28.	26.	.8	1.
%RSD	.1984	.2620	.1858	.0579	.0546	.0784	.0636
#1	988.2	1011.	2006.	47940.	48420.	994.9	1016.
#2	990.9	1014.	2001.	47900.	48460.	996.0	1017.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49190.	999.1	1045.	1008.	1014.	1020.	1017.
SDev	68.	.4	3.	2.	.	2.	3.
%RSD	.1393	.0422	.2552	.1663	.0427	.2070	.2874
#1	49240.	998.8	1043.	1007.	1014.	1019.	1019.
#2	49140.	999.4	1047.	1009.	1015.	1022.	1015.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	996.5	1024.	1026.	1017.	994.8	997.3	1021.
SDev	1.3	2.	.	3.	4.9	.5	8.
%RSD	.1338	.1909	.0192	.3017	.4948	.0459	.7506
#1	997.4	1023.	1026.	1015.	998.2	997.0	1026.
#2	995.5	1026.	1027.	1019.	991.3	997.6	1015.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1015.	1027.	990.5	1034.
SDev	1.	.	2.1	2.
%RSD	.0547	.0303	.2072	.1988
#1	1015.	1027.	991.9	1035.
#2	1014.	1027.	989.0	1032.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	973	1000	--	--	--	--	--
SDev	2.498568	.0000000	--	--	--	--	--
%RSD	.2568389	.0000000	--	--	--	--	--
#1	971	1000	--	--	--	--	--
#2	975	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 05:45:49
Comment: CCB
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0652	-14.77	.9139	.4876	-15.63	.9202	.6384
SDev	.1090	.34	.6958	.6127	30.06	.5835	.5469
%RSD	167.2	2.309	76.13	125.7	192.4	63.42	85.65
#1	.1423	-14.53	1.406	.9208	5.630	1.333	1.025
#2	-.0119	-15.01	.4220	.0544	-36.89	.5076	.2518
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6154	1.092	7.752	27.99	42.02	.8369	1.630
SDev	.7971	.328	2.448	28.44	28.09	.5787	1.223
%RSD	129.5	30.00	31.57	101.6	66.86	69.14	75.05
#1	1.179	1.324	9.483	48.10	61.88	1.246	2.494
#2	.0518	.8606	6.022	7.879	22.15	.4277	.7648
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	56.49	.8535	1.887	.7856	-4.762	.0267	-.8639
SDev	126.7	.8883	.491	.3695	.573	1.276	2.1483
%RSD	224.4	104.1	26.02	47.04	12.03	4777.	248.7
#1	146.1	1.482	1.539	1.047	-4.357	.9291	.6552
#2	-33.13	.2254	2.234	.5243	-5.167	-.8756	-2.383
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.104	.0051	.7296	-.3360	-1.470	-.9340	-.3849
SDev	.358	1.607	1.049	1.3893	.921	.0755	1.7772
%RSD	32.39	31730.	143.8	413.4	62.64	8.080	461.8
#1	-1.357	1.141	1.472	.6463	-2.121	-.9874	.8718
#2	-.8512	-1.131	-.0125	-1.318	-.8189	-.8806	-1.642
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	-1.114	-2.014	-.3607	2.612
SDev	2.333	.348	2.3093	.541
%RSD	209.3	17.26	640.3	20.71
#1	.5352	-2.260	1.272	2.995
#2	-2.764	-1.768	-1.994	2.230
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1012	1000	--	--	--	--	--
SDev	1.084311	.0000000	--	--	--	--	--
%RSD	.1071012	.0000000	--	--	--	--	--
#1	1012	1000	--	--	--	--	--
#2	1013	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 05:51:14
Comment:
[redacted]e: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.44	88.20	.2254	9.871	72.12	10.23	102.0
SDev	.29	1.54	.0927	.074	3.87	.09	.1
%RSD	1.592	1.747	41.15	.7515	5.363	.8899	.1310
#1	18.65	89.29	.2910	9.924	74.85	10.29	102.1
#2	18.23	87.11	.1598	9.819	69.38	10.16	101.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.63	52.55	55.34	27.73	119.5	30.19	47.74
SDev	.16	.16	3.43	9.35	5.7	.16	.37
%RSD	.8038	.2973	6.205	33.74	4.800	.5354	.7735
#1	19.74	52.66	57.77	34.34	123.6	30.31	47.48
#2	19.52	52.44	52.91	21.11	115.5	30.08	48.00
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue							
[redacted]nge							

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	111.3	80.94	21.94	102.7	32.50	6.529	8.969
SDev	93.2	.18	3.09	.1	.14	.121	.165
%RSD	83.69	.2189	14.09	.0814	.4178	1.859	1.840
#1	177.2	81.07	19.76	102.8	32.59	6.615	9.086
#2	45.44	80.82	24.13	102.7	32.40	6.443	8.852
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	116.4	19.28	6.608	6.476	115.5	116.9	9.496
SDev	.9	.28	.469	.052	.6	1.0	.346
%RSD	.7629	1.456	7.092	.8039	.4914	.8969	3.646
#1	117.1	19.48	6.939	6.439	115.9	117.6	9.741
#2	115.8	19.08	6.276	6.513	115.1	116.1	9.251
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue							
[redacted]nge							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	8.694	48.05	25.50	296.0
SDev	.075	.80	.88	.5
%SD	.8573	1.660	3.465	.1701
#1	8.747	48.62	26.13	295.6
#2	8.642	47.49	24.88	296.3
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1031	1000	--	--	--	--	--
SDev	3.582835	.0000000	--	--	--	--	--
%RSD	.3474035	.0000000	--	--	--	--	--
#1	1029	1000	--	--	--	--	--
#2	1034	1000	--	--	--	--	--

AMENDED DATA

Run Time: 09/15/95 05:59:11
Comment: ICSA ICSA
[redacted]: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1530	542200.	1.839	-.0090	496000.	3.374	-1.562
SDev	.0168	833.	.010	.0017	2848.	.148	.209
%RSD	10.97	.1537	.5284	19.34	.5742	4.395	13.39
#1	-.1648	542800.	1.832	-.0078	494000.	3.479	-1.414
#2	-.1411	541700.	1.845	-.0102	498000.	3.269	-1.710
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	24.90	5.087	193600.	28.03	512000.	-16.91	-1.266
SDev	.66	.234	596.	5.80	1393.	.06	1.372
%RSD	2.645	4.597	.3078	20.70	.2721	.3820	108.3
#1	24.43	5.252	193100.	23.93	511000.	-16.86	-.2962
#2	25.37	4.921	194000.	32.13	513000.	-16.95	-2.236
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	50.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	238.8	2.844	-1.326	-17.53	-13.18	1.322	-1.036
SDev	20.7	.121	.749	.13	.13	.639	3.260
%RSD	8.671	4.273	56.47	.7433	1.016	48.35	314.7
#1	224.1	2.758	-.7965	-17.62	-13.08	1.774	1.269
#2	253.4	2.929	-1.855	-17.44	-13.27	.8700	-3.341
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.545	-3.951	152.3	-74.07	-7.106	7.350	-8.045
SDev	3.184	.064	.1	.92	1.163	4.193	1.552
%RSD	125.1	1.622	.0513	1.241	16.36	57.04	19.29
#1	.2937	-3.906	152.4	-73.42	-7.928	4.385	-6.948
#2	4.796	-3.997	152.2	-74.72	-6.284	10.31	-9.142
[redacted]rors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	2.450	-3.236	-1.626	9.205
SDev	4.113	5.057	1.305	.514
%RSD	167.8	156.3	80.26	5.579
#1	5.359	.3394	-.7032	9.568
#2	-.4578	-6.812	-2.549	8.842
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	909	1000	--	--	--	--	--
SDev	.6600210	.0000000	--	--	--	--	--
%RSD	.0726432	.0000000	--	--	--	--	--
#1	909	1000	--	--	--	--	--
#2	908	1000	--	--	--	--	--

AMENDED
DATA

Run Time: 09/15/95 06:04:36
Comment: ICSAB ICSAB
[redacted]: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	999.3	540400.	523.9	480.4	500000.	925.0	521.5
SDev	.4	876.	.2	.9	878.	.9	.8
%RSD	.0445	.1621	.0419	.1874	.1757	.0931	.1508
#1	999.0	539800.	523.8	479.8	499400.	924.4	520.9
#2	999.6	541000.	524.1	481.0	500600.	925.6	522.0
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	496.7	556.5	194300.	27.92	515100.	460.0	989.6
SDev	1.2	.1	280.	.33	1249.	.4	.9
%RSD	.2382	.0139	.1442	1.195	.2426	.0962	.0948
#1	495.8	556.5	194100.	28.16	514200.	459.7	989.0
#2	497.5	556.6	194500.	27.68	516000.	460.3	990.3
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
[redacted]lue	468.0	507.0	191300.		529900.	454.0	
[redacted]nge	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	497.8	936.6	-5.873	482.4	988.3	4935.	-.2738
SDev	50.5	1.9	1.752	.1	.4	6.	3.8406
%RSD	10.15	.2014	29.84	.0145	.0376	.1240	1403.
#1	533.6	935.3	-4.633	482.4	988.5	4931.	-2.990
#2	462.1	937.9	-7.112	482.3	988.0	4940.	2.442
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9.968	-2.266	5151.	4828.	8.105	10.88	-3.070
SDev	.427	1.284	1.	9.	.575	.93	.922
%RSD	4.287	56.65	.0249	.1767	7.089	8.521	30.03
#1	9.666	-3.174	5150.	4821.	8.512	10.23	-3.722
#2	10.27	-1.358	5152.	4834.	7.699	11.54	-2.418
[redacted]rors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
[redacted]lue							
Range							

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1.109	1030.	995.0	1093.
SDev	5.298	15.	5.2	1.
%RSD	477.6	1.456	.5234	.0602
#1	-2.637	1019.	998.7	1094.
#2	4.855	1041.	991.3	1093.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	906	1000	--	--	--	--	--
SDev	.0943010	.0000000	--	--	--	--	--
%RSD	.0104126	.0000000	--	--	--	--	--
#1	906	1000	--	--	--	--	--
#2	906	1000	--	--	--	--	--

AMENDED
DATA

Avge	.5991	.2862	-.7553	1.431
SDev	3.236	.9101	2.6330	.536
%SD	540.1	318.0	348.6	37.42
#1	2.887	.9297	-2.617	1.053
#2	-1.689	-.3574	1.106	1.810
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1014	1000	--	--	--	--	--
SDev	.1885589	.0000000	--	--	--	--	--
%RSD	.0185873	.0000000	--	--	--	--	--
#1	1014	1000	--	--	--	--	--
#2	1015	1000	--	--	--	--	--

AMENDED
DATA

Method: CLP3.0 Sample Name: CCB
Run Time: 09/15/95 06:15:28
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4152	75.03	.6762	.3699	78.77	.8556	.4024
SDev	.1678	81.07	.2449	.2425	105.2	.2873	.3182
%RSD	40.41	108.0	36.22	65.55	133.5	33.58	79.07
#1	.5338	132.3	.8494	.5413	153.2	1.059	.1774
#2	.2965	17.70	.5031	.1984	4.397	.6524	.6274
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6744	.7058	42.43	18.89	135.6	.6259	1.868
SDev	.3530	.3119	36.56	4.98	97.8	.2264	.386
%RSD	52.34	44.19	86.16	26.35	72.12	36.17	20.68
#1	.9240	.9264	68.28	15.37	204.8	.7860	2.141
#2	.4248	.4853	16.58	22.41	66.46	.4658	1.595
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	106.4	1.036	-.0049	.4636	-4.773	1.276	.8936
SDev	90.2	.521	.1435	.2727	.334	.502	1.840
%RSD	84.75	50.24	2932.	58.81	7.002	39.36	205.9
#1	42.65	.6682	.0966	.6564	-4.537	1.631	2.195
#2	170.2	1.405	-.1063	.2708	-5.010	.9206	-.4076
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	20.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.107	-.7821	1.207	1.298	-2.553	-.3975	1.460
SDev	.147	.5563	.900	.303	.785	.1716	.955
%RSD	13.29	71.12	74.56	23.38	30.76	43.16	65.42
#1	-1.003	-.3888	1.844	1.513	-1.998	-.5188	.7846
#2	-1.211	-1.175	.5707	1.084	-3.108	-.2761	2.135
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Avge	1018.	1022.	988.1	1028.
SDev	1.	4.	2.7	2.
%RSD	.0624	.3990	.2760	.2144
#1	1018.	1019.	986.2	1026.
#2	1017.	1025.	990.0	1029.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	972	1000	--	--	--	--	--
SDev	1.744289	.0000000	--	--	--	--	--
%RSD	.1793892	.0000000	--	--	--	--	--
#1	971	1000	--	--	--	--	--
#2	974	1000	--	--	--	--	--

AMENDED
DATA

Method: [illegible] Sample Name: [illegible]
Run Time: 09/15/95 06:10:00
Comment: CCV CVS1
Type: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.3	Q2218.	1016.	995.1	49300.	981.6	1011.
SDev	.4	155.	1.	1.3	56.	1.7	2.
%RSD	.3847	6.997	.1106	.1295	.1130	.1725	.2114
#1	100.6	Q2327.	1017.	994.2 .	49340.	980.4	1010.
#2	100.1	2108.	1015.	996.0	49260.	982.8	1013.
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	987.8	1013.	2118.	47960.	49150.	994.1	1012.
SDev	2.2	2.	63.	29.	130.	1.1	2.
%RSD	.2257	.1509	2.974	.0600	.2646	.1150	.1959
#1	986.2	1012.	2162.	47980.	49240.	993.3	1010.
#2	989.4	1014.	2073.	47940.	49060.	994.9	1013.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49310.	996.8	1043.	1006.	1013.	1020.	1020.
SDev	22.	1.9	2.	1.	1.	2.	1.
%RSD	.0447	.1859	.1530	.0580	.0622	.1921	.1396
#1	49300.	995.5	1044.	1006.	1012.	1019.	1021.
#2	49330.	998.1	1042.	1006.	1013.	1022.	1019.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	1000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	995.7	1019.	1028.	1016.	997.9	994.5	1024.
SDev	1.8	1.	.	3.	1.6	1.9	3.
%RSD	.1823	.0642	.0467	.3128	.1556	.1958	.2931
#1	994.4	1018.	1029.	1014.	996.8	993.1	1026.
#2	996.9	1019.	1028.	1019.	999.0	995.9	1022.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Sn1899	Ti3349	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

AMENDED DATA

Standards/QC Preparation for ICAP P3

Item to be prepared	Preparation instructions*	Prepared by	Date
Standard blank (SO, ICB, CCB)	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) Bring up to volume with deionized water. Prepare daily.	RS	9-15-95
Standard XCL-11 (S)	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • Pipet 0.2 ml XCL-11 (Ref#: 7M2-193-15) into flask. • Add 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) Bring up to volume with deionized water. Prepare daily.	RS	9-15-95
Standard XCL-2 (S)	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • Pipet 0.2 ml of XCL-2 (Ref#: 7M2-193-16) into flask. Bring up to volume with deionized water. Prepare daily.	RS	9-15-95
Standard XCL-3A	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • Pipet 1.0 ml XCL-3A (Ref#: 7M2-190-14) into flask. • Bring up to volume with deionized water. Prepare daily.	RS	9-15-95

* 1.0 ml of yttrium (Ref#: 7M2-190-16) / 100 ml was added to each solution as internal standard.

Reviewed by: _____ Date: 9/15/95

AMENDED

tem to be prepared	Preparation instructions*	Prepared by	Date
Standard PLSB2-2X (S)	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 0.2 ml of Sn (Ref#: 7M2-197-7) • 0.2 ml of Bi (Ref#: 7M2-195-1) • 0.2 ml of Ti (Ref#: 7M2-190-8) • 0.2 ml of Zr (Ref#: NR) • 0.2 ml of Sb (Ref#: 7M2-198-2) • 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) Bring up to volume with deionized water. Prepare daily.	RS	9-15-95
Standard STD3	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • 1.0 ml of 10,000-ppm Al standard (Ref#: 7M2-195-2) • 0.5 ml of 10,000-ppm Fe standard (Ref#: 7M2-188-17) • 1.0 ml of 10,000-ppm Mg standard (Ref#: 7M2-195-3) • 1.0 ml of 10,000-ppm Ca standard (Ref#: 7M2-195-4) Bring up to volume with deionized water. Prepare daily.	RS	9-15-95

*1.0 ml of yttrium (Ref#: 7M2-190-16) / 100 ml was added to each solution as internal standard.

Reviewed by: [signature] Date: 9/15/95

AMENDED DATA

5 ı to be prepared	Preparation instructions*	Prepared by	Date
Solution (CVS1)	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • 0.2 ml of Sb (Ref#: 7M2-198-2) • 0.2 ml of Sn (Ref#: 7M2-197-7) • 0.2 ml of Bi (Ref#: 7M2-195-1) • 0.2 ml of Ti (Ref#: 7M2-190-8) • 0.02 ml of Al (Ref#: 7M2-195-2) • 0.02 ml of Fe (Ref#: 7M2-188-17) • Pipet 0.2 ml of XCL-2 (Ref#: 7M2-193-16) into flask. • Pipet 0.2 ml of XCL-11 (Ref#: 7M2-193-15) into flask. • Pipet 1.0 ml of XCL-3A (Ref#: 7M2-190-14) into flask. Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.	DMH	9-14-95
'1 Solution	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • Pipet 20.0 ml of ICV1 (Ref#: 7M2-193-3) into flask. Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.	RS	9-6-95
:V3 Solution	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) Pipet: • 20.0 ml of ICV3 (Ref#: 7M2-197-7), 20.0 ml of ICV2 (Ref#: 7M2-193-1), and 20.0 ml of ICV4 (Ref#: 7M2-193-5) into flask. Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.	DMH	9-12-95

AMENDED DATA

Reviewed by: [signature] Date: 9/15/95

Item to be prepared	Preparation instructions*	Prepared by	Date
SPEXAS solution	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • Pipet 0.2 ml of Sn (Ref#: 7M2-197-7) into flask. • Pipet 0.2 ml of Bi (Ref#: 7M2-195-1) into flask. • Pipet 0.2 ml of Ti (Ref#: 7M2-190-8) into flask. • Pipet 0.2 ml of Mo (Ref#: 7M2-196-13) into flask. Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.	RS	9-6-95
Intercheck Solution A (ICSA)	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • Pipet 20.0 ml ICSA (Ref#: 7M2-198-9) into flask. Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle.	CY	9-9-95
Intercheck Solution AB (ICSAB) AMENDED DATA	Place in a 200-ml volumetric flask: • 50 ml of deionized water • 1.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) • Pipet 20.0 ml ICSA (Ref#: 7M2-198-9) into flask. • Pipet 20.0 ml ICSB (Ref#: 7M2-196-7) into flask. Pipet: • 0.2 ml Bi 1000 standard (Ref#: 7M2-195-1) into flask. • 0.2 ml Sn 1000 standard (Ref#: 7M2-197-7) into flask. • 0.2 ml Ti 1000 standard (Ref#: 7M2-196-13) into flask. • 0.2 ml Mo 1000 standard (Ref#: 7M2-190-8) into flask. Bring up to volume with deionized water.	DMH	9-12-95

*1.0 ml of yttrium (Ref#: 7M2-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature] Date: 9/15/95

AMENDED DATA

Item to be prepared	Preparation instructions:		
CRI Solution	Place in a 200-ml volumetric flask: • 100 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) • 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7M2-199-2) Pipet: • 0.20 CRDL-1 (Ref#: 7M2-197-5) into flask. • 0.06 ml Bi 1000 standard (Ref#: 7M2-195-1) into flask. • 0.008 ml Sn 1000 standard (Ref#: 7M2-197-7) into flask. • 0.008 ml Mo 1000 standard (Ref#: 7M2-196-13) into flask. • NR ml Li 1000 standard (Ref#: NR) into flask. • 0.004 ml Ti 1000 standard (Ref#: 7M2-190-9) into flask. • NR ml NR 1000 standard (Ref#: NR) into flask. • NR ml NR 1000 standard (Ref#: NR) into flask. Bring up to volume with deionized water. Place solution in an acid-washed Teflon bottle. Prepare as needed.	RS	9-6-95
Dissolved Metals only: LCS	Add 1.0 ml of LCSW solution (Ref#: NR) to 9.0 ml of acidified water (1% HNO_3 [Baker instra-analyzed Trace Metals grade, Ref#: NR] + 5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NR]).	NR	NR
Prep Blank	Use acidified water (1% HNO_3 [Baker instra-analyzed Trace Metals grade, Ref#: NR] + 5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NR]).	↓	↓
Sample Spike	Add 0.1 ml of XCL-19 (Ref#: NR) to 10.0 ml of sample.		

*1.0 ml of yttrium (Ref#: 7M2-190-16) / 100 ml was added to each solution as an internal standard

Reviewed by: [signature] Date: 9/15/95

ENVIRONMENTAL CORPORATION

ATOMIC ABSORPTION RAW DATA PACKAGE

105191M

Analyst Tom Cole Date 9-18-95 SDG 105192M

	Channel A	Channel B
Element	Pb TM 9-18-95	Tl only
Background Correction	BS	BS
Wavelength	283.3 nm	276.8 nm
Bandwidth	0.5 nm	1.0 nm

AA Spectrophotometer Instrument ID AS

Integration Time 2.7 sec Delay 0.5 sec

Integration Mode peak area

ThermoSpec Method Name: PRODPBTL/846PBTL

Furnace

	Dry	Pyr1	Pyr2	Atom	Clean
Temp	150	350	425	1850	2150
Ramp	2	10	10	0	
Hold	0	1	1	4	1
Purge	Low	Medium	Low	Off	High

Fastac

Aspiration Rate 1.0 mL/min

Delay 10.0 sec Deposition 14.0 sec

Calibration Standards

Source SPEX

Preparation Date 9-18-95

Preparer TAC

Concentration Units ug/L

Matrix Modifier(s) N/A

Standard Concentrations

Pb	Tl
0	0
30	30
3	10
60	60

Performance Check – 30 ug/L STANDARD ABSORBANCES

Channel A 0.

Channel B 0.085

AMENDED DATA

COMPUCEHM ENVI. LOGBOOK 1 0 20

10591M
10592M

Furnace AAS #5 Runlog

Elements	Methods				
As/Se	7060/7740	SW-846	206.2/270.2	CLP	
Pb/Tl	7421/7841		239.2/~~279.2~~		
Cd only	7131		213.2		
Ag	7761		272.2		
Sb	7041		282.2		

Page 1 of 2

Date: 9-18-95

Operator: Tom Cola

Case name: See Above Filename: TRC0918

A591842T

No.	Sample ID	Comments	Action Needed	No.	Sample ID	Comments	Action Needed
	ICV			1	739955		
	ICB			2	739955	A	
	CRA			3	739956		
	CCV 1/2	Auto 2		4	739956	A	
	CCB 1/2	Auto CW		5	739957		
1	755113	PBW		6	739957	A	
2	755113	A		7	739959	Con Hi	
3	755111	LCSW		8	739959	2X	
4	755111	A		9	739959	A 2X	
5	739942			10		TRC 9-18-95	
6	739942	A			CCV 5		
7	739948	DUP			CCB 5		
8	739948	A		1	739978		
9	739947	Spk		2	739978	A	
10	123123			3			
	CCV 3			4			
	CCB 3			5			
1	739944			6			
2	739944	A		7			
3	739945			8			
4	739945	A		9			
5	739946			10		TRC 9-18-95	
6	739946	A			CCV 6		
7	739950				CCB 6		
8	739950	A					
9	123123						
10		TRC 9-18-95					
	CCV 4						
	CCB 4						

Reviewed by: MWCheng

Date: 9-18-95

AMENDED DATA

Furnace AAS #5 Runlog

Elements	Methods				
As/Se	7060/7740	SW-846	206.2/270.2	CLP	Page 2 of 2
Pb/Tl	7421/7841		239.2/279.2		Date: 9-18-95
Cd	7131		213.2		
Ag	7761		272.2		Operator: Tom Glover
Sb	7041		282.2		

Case name: Same Filename: Same

No.	Sample ID	Comments	Action Needed
	ICV		
	ICB		
	CRA		
	CCV		
	CCB	Tec 9-18-95	
1	755110	PBW	
2	755110	A	
3	755108	LCSW	
4	755108	A	
5	739915		
6	739915	A	
7	739898	DUP	
8	739898	A	
9	739897	SPK	
10		JRC 9-18-95	
	CCV 7		
	CCB 7		
1	739890		
2	739890	A	
3	739893		
4	739893	A	
5	739901		
6	739901	A	
7	739908		
8	739908	A	
9	123123		
10		MC 9-18-95	
	CCV 8		
	CCB 8		

No.	Sample ID	Comments	Action Needed
1	739912		
2	739912	A	
3	CCV 9		
4	CCB 9		
5			
6			
7			
8			
9			
10			
	CCV		
	CCB		
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
	CCV		
	CCB	JA 9-18-95	

Reviewed by: [signature]

Date: 9-18-95

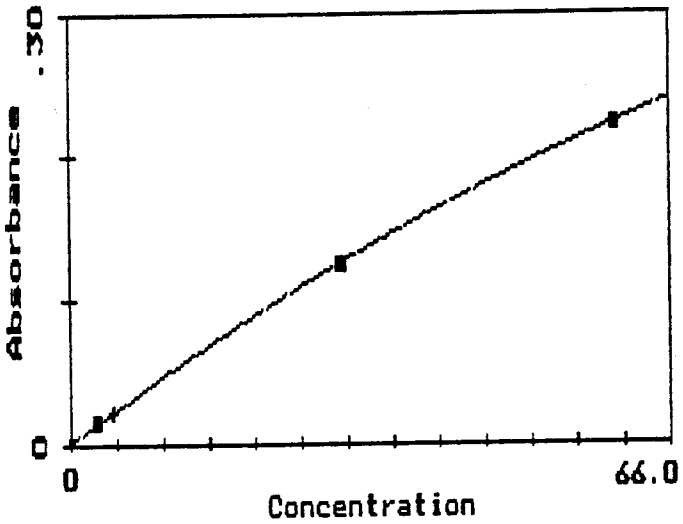
AMENDED DATA

Method: PRODPBTL Element: PB Wavelength: 283.3 Element 1 of 2

Correlation Coefficient: .997684

Coefficients
a1 = .004731
a2 = -.000017 Abs : .022406
a3 = 0 Conc : 4.81752

Fit Quadratic



Date: 18 Sep 95 10:30
Slope corr.: 1

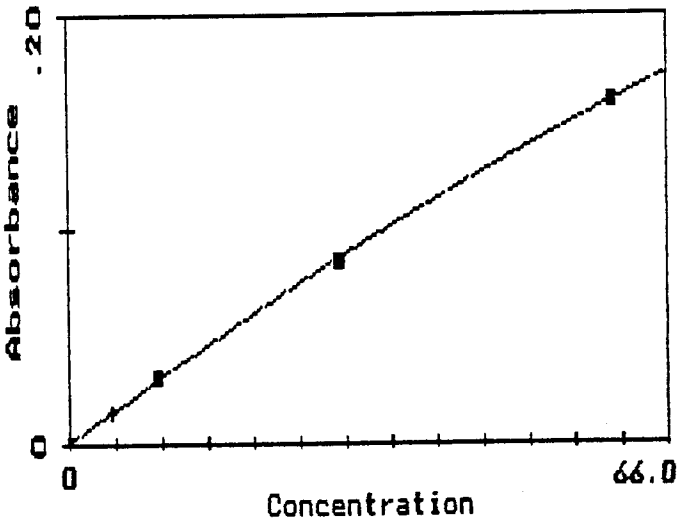
Standard:	S0	S30	CRA	S60
Absorbance:	0.0000	.12575	.014706	.224779
Known conc.:	0	30	3	60
Calc. conc.:	0.0000	29.6639	3.14332	60.215
Residual:	0.0000	-.336126	.14332	.214951

Method: PRODPBTL Element: Tl Wavelength: 276.8 Element 2 of 2

Correlation Coefficient: .998434

Coefficients
a1 = .003142
a2 = -.000008 Abs : .01495
a3 = 0 Conc : 4.81752

Fit Quadratic



Date: 18 Sep 95 10:30
Slope corr.: 1

Standard:	S0	S30	CRA	S60
Absorbance:	0.0000	.085309	.031588	.159868
Known conc.:	0	30	10	60
Calc. conc.:	0.0000	29.3864	10.329	60.2995
Residual:	0.0000	-.613585	.328953	.299541

AMENDED DATA

Analysis Report Blank Sample Mon 09-18-95 10:22:26 AM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 10:18:40
Comment:
Mode: Abs/Ei Corr. Factor: 1

Elem	PB	Tl
Avge	.004	.001
SDev	.001	.001
%RSD	22.12	69.51
#1	.003	.000
#2	.004	.001

Standardization Rpt. Mon 09-18-95 10:26:16 AM page 1

Method: PRODPBTL Standard: S30

Elem	PB	Tl
Avge	.126	.085
SDev	.005	.002
%RSD	3.622	2.779
#1	.129	.087
#2	.123	.084

Standardization Rpt. Mon 09-18-95 10:30:07 AM page 1

Method: PRODPBTL Standard: CRA

Elem	PB	Tl
Avge	.015	.032
SDev	.007	.000
%RSD	46.95	.1975
#1	.020	.032
#2	.010	.032

Standardization Rpt. Mon 09-18-95 10:33:59 AM page 1

Method: PRODPBTL Standard: S60

Elem	PB	Tl
Avge	.225	.160
SDev	.009	.007
%RSD	4.006	4.631
#1	.231	.165
#2	.218	.155

Analysis Report QC Standard Mon 09-18-95 10:38:44 AM page 1

Method: PRODPBTL Sample Name: ICV Operator:
Run Time: 09/18/95 10:34:56
Comment: ICV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	40.83	40.47
SDev	4.36	3.08
%RSD	10.68	7.617
#1	Q43.92	42.64
#2	37.75	38.29
Quality	103.4%OK	102.2%OK
Standard	39.50	39.60
Range	10.5%	10.5%

AMENDED

Analysis Report QC Standard Mon 09-18-95 10:42:34 AM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 10:38:48
Comment: ICB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	1.013	.0984
SDev	1.010	.2518
%RSD	99.68	255.9
#1	1.727	.2765
#2	.2989	-.0797
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

Analysis Report QC Standard Mon 09-18-95 10:46:31 AM page 1

Method: PRODPBTL Sample Name: CRA Operator:
Run Time: 09/18/95 10:42:38
Comment: CRA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	2.430	10.12
SDev	.344	.92
%RSD	14.17	9.113
#1	Q2.187	10.77
#2	2.674	9.466
Quality	81.0% OK	101.2%OK
Standard	3.000	10.00
Range	20.0%	20.0%

Analysis Report QC Standard Mon 09-18-95 10:50:19 AM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 10:46:35
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	30.06	30.90
SDev	1.67	2.10
%RSD	5.540	6.811
#1	31.23	32.38
#2	28.88	29.41
Quality	100.2%OK	103.0%OK
Standard	30.00	30.00
Range	10.5%	10.5%

AMENDED
DATA

\AADATA\[illegible]

Analysis Report QC Standard Mon 09-18-95 10:54:06 AM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 10:50:23
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.5158	-.3046
SDev	1.126	.1855
%RSD	218.3	60.92
#1	1.312	-.1734
#2	-.2802	-.4358
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

Analysis Report Blank Sample Mon 09-18-95 10:58:14 AM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 10:54:33
Comment:
Mode: Abs/Ei Corr. Factor: 1

Elem	PB	Tl
Avge	-.001	-.000
SDev	.000	.002
%RSD	.0000	1226.
#1	-.001	.001
#2	-.001	-.001

Standardization Rpt. Mon 09-18-95 11:02:10 AM page 1

Method: PRODPBTL Standard: S30

Elem	PB	Tl
Avge	.135	.092
SDev	.000	.001
%RSD	.0923	1.425
#1	.135	.093
#2	.135	.091

Analysis Report QC Standard Mon 09-18-95 11:07:00 AM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 11:03:15
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	30.37	30.99
SDev	.28	.25
%RSD	.9086	.7997
#1	30.56	31.17
#2	30.17	30.82
Quality	101.2%OK	103.3%OK
Standard	30.00	30.00
Range	10.5%	10.5%

AMENDED DATA

\AADATA\[illegible]

Analysis Report QC Standard Mon 09-18-95 11:10:48 AM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 11:07:04
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.7009	.3086
SDev	.7615	.1995
%RSD	108.6	64.65
#1	1.239	.4496
#2	.1624	.1675
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

Analysis Report Mon 09-18-95 11:14:51 AM page 1

Method: PRODPBTL Sample Name: 755113 #10 Operator:
Run Time: 09/18/95 11:10:58
Comment: PBW SDG:10591M 1:1 PBW
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.3335	.0529
SDev	.1682	.1247
%RSD	50.42	235.7
#1	.4525	-.0353
#2	.2146	.1411
Limit	LC Pass	LC Pass
Upper	3.000	10.00
Lower	-3.000	-10.00

Analysis Report Mon 09-18-95 11:18:48 AM page 1

Method: PRODPBTL Sample Name: 755113 A#11 Operator:
Run Time: 09/18/95 11:14:56
Comment: PBW SDG:10591M 1:1 PBWA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	19.97	19.63
SDev	.01	.15
%RSD	.0724	.7828
#1	19.96	19.52
#2	19.98	19.74

Pb - 99.8
Tl - 98.2%

AMENDED DATA

\AADATA\IRC0918.LOG:5

Analysis Report Mon 09-18-95 11:22:37 AM page 1

Method: PRODPBTL Sample Name: FLCSW755111 #12 Operator:
Run Time: 09/18/95 11:18:53
Comment: LCSW SDG:10591M 1:1 LCSW
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	32.03	20.30
SDev	.59	.39
%RSD	1.852	1.934
#1	32.45	20.58
#2	31.61	20.03
Limit	LC Pass	LC Pass
Upper	38.53	24.08
Lower	25.44	15.90

Analysis Report Mon 09-18-95 11:26:24 AM page 1

Method: PRODPBTL Sample Name: FLCSW755111 A#13 Operator:
Run Time: 09/18/95 11:22:40
Comment: LCSW SDG:10591M 1:1 LCSWA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	54.12	41.70
SDev	.14	.09
%RSD	.2551	.2133
#1	54.02	41.76
#2	54.21	41.63

Pb - 110,4%

Tl - 107.0%

Analysis Report Mon 09-18-95 11:30:21 AM page 1

Method: PRODPBTL Sample Name: 739942 #14 Operator:
Run Time: 09/18/95 11:26:28
Comment: XXX SDG:10591M 1:1 MW-1
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	2.774	.0705
SDev	1.234	.3865
%RSD	44.47	548.0
#1	3.646	-.2028
#2	1.902	.3438

Analysis Report Mon 09-18-95 11:34:18 AM page 1

Method: PRODPBTL Sample Name: 739942 A#15 Operator:
Run Time: 09/18/95 11:30:34
Comment: XXX SDG:10591M 1:1 MW-1A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	20.17	16.10
SDev	.77	1.19
%RSD	3.805	7.385
#1	20.71	16.94
#2	19.63	15.26

Tl - 80.5% "W"

AMENDED DATA

\AADATA\TRC0918.LOG:0

Analysis Report — Mon 09-18-95 11:38:05 AM — page 1

Method: PRODPBTL Sample Name: 739948 #16 Operator:
Run Time: 09/18/95 11:34:21
Comment: DUP SDG:10591M 1:1 MW-1D
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	7.363	.0794
SDev	.789	.6485
%RSD	10.72	816.2
#1	7.921	.5380
#2	6.805	-.3791

Analysis Report — Mon 09-18-95 11:42:00 AM — page 1

Method: PRODPBTL Sample Name: 739948 A#17 Operator:
Run Time: 09/18/95 11:38:08
Comment: DUP SDG:10591M 1:1 MW-1DA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	25.39	16.93
SDev	.97	.05
%RSD	3.808	.2840
#1	26.07	16.97
#2	24.71	16.90

Tl-84.6%

Analysis Report — Mon 09-18-95 11:45:48 AM — page 1

Method: PRODPBTL Sample Name: 739947 #18 Operator:
Run Time: 09/18/95 11:42:04
Comment: SPK SDG:10591M 1:1 MW-1S
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	20.27	44.19
SDev	.02	.18
%RSD	.1193	.4097
#1	20.29	44.32
#2	20.25	44.07

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Method: PRODPBTL Sample Name: 123123 #19 Operator:
Run Time: 09/18/95 11:45:51
Comment: INS SDG:INSERT 1:1 INSERT
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	1.044	.1939
SDev	.466	.2119
%RSD	44.66	109.3
#1	1.374	.3438
#2	.7144	.0441

AMENDED

Analysis Report QC Standard Mon 09-18-95 11:53:30 AM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 11:49:46
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	30.74	30.80
SDev	1.02	.67
%RSD	3.327	2.167
#1	31.46	31.28
#2	30.01	30.33
Quality	102.5%OK	102.7%OK
Standard	30.00	30.00
Range	10.5%	10.5%

Analysis Report QC Standard Mon 09-18-95 11:57:19 AM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 11:53:35
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.3712	-.0793
SDev	.0328	.3366
%RSD	8.839	424.3
#1	.3480	.1587
#2	.3944	-.3174
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

Analysis Report Mon 09-18-95 12:01:06 PM page 1

Method: PRODPBTL Sample Name: 739944 #22 Operator:
Run Time: 09/18/95 11:57:23
Comment: XXX SDG:10591M 1:1 MW-1SD
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	1.327	-.1499
SDev	.033	.0748
%RSD	2.490	49.91
#1	1.304	-.0970
#2	1.350	-.2028

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Method: PRODPBTL Sample Name: 739944 A#23 Operator:
Run Time: 09/18/95 12:01:10
Comment: XXX SDG:10591M 1:1 MW-1SDA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	19.59	17.11
SDev	.58	.52
%RSD	2.966	3.014
#1	20.00	17.47
#2	19.18	16.74

Tl - 85.6%

AMENDED DATA

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Analysis Report — Mon 09-18-95 12:08:50 PM — page 1

Method: PRODPBTL Sample Name: 739945 #24 Operator:
Run Time: 09/18/95 12:04:58
Comment: XXX SDG:10591M 1:1 MW-6
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	1.006	-.6832
SDev	.033	.1683
%RSD	3.285	24.63
#1	.9824	-.8022
#2	1.029	-.5642

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Method: PRODPBTL Sample Name: 739945 A#25 Operator:
Run Time: 09/18/95 12:08:55
Comment: XXX SDG:10591M 1:1 MW-6A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	18.99	13.74
SDev	.53	.01
%RSD	2.767	.0981
#1	19.36	13.73
#2	18.62	13.75

Tl - 68.7% "W"

Analysis Report — Mon 09-18-95 12:16:35 PM — page 1

Method: PRODPBTL Sample Name: 739946 #26 Operator:
Run Time: 09/18/95 12:12:43
Comment: XXX SDG:10591M 1:1 MW-3
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	2.372	-.2292
SDev	.167	.1995
%RSD	7.035	87.03
#1	2.490	-.0882
#2	2.254	-.3703

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Method: PRODPBTL Sample Name: 739946 A#27 Operator:
Run Time: 09/18/95 12:16:39
Comment: XXX SDG:10591M 1:1 MW-3A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	18.05	15.22
SDev	.21	.63
%RSD	1.182	4.152
#1	18.20	14.78
#2	17.90	15.67

Tl - 76.1% "W"

AMENDED DATA

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Analysis Report — Mon 09-18-95 12:24:10 PM — page 1

Method: PRODPBTL Sample Name: 739950 #28 Operator:
Run Time: 09/18/95 12:20:26
Comment: XXX SDG:10591M 1:1 MW-8
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.8371	.2868
SDev	.5028	.5427
%RSD	60.07	189.2
#1	.4816	.6705
#2	1.193	-.0970

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Method: PRODPBTL Sample Name: 739950 A#29 Operator:
Run Time: 09/18/95 12:24:16
Comment: XXX SDG:10591M 1:1 MW-8A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	14.98	11.25
SDev	.64	.72
%RSD	4.283	6.428
#1	14.52	11.77
#2	15.43	10.74

Tl- 56.2% "W"

Analysis Report — Mon 09-18-95 12:32:51 PM — page 1

Method: PRODPBTL Sample Name: 123123 #30 Operator:
Run Time: 09/18/95 12:29:07
Comment: INS SDG:INSERT 1:1 INSERT
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	-.0638	-.1190
SDev	.2379	.2556
%RSD	372.8	214.8
#1	-.2320	-.2997
#2	.1044	.0617

Analysis Report QC Standard — Mon 09-18-95 12:36:39 PM — page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 12:32:55
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	30.44	31.71
SDev	.69	.94
%RSD	2.268	2.974
#1	29.96	32.38
#2	30.93	31.04
Quality	101.5%OK	105.7%OK
Standard	30.00	30.00
Range	10.5%	10.5%

AMENDED DATA

Analysis Report QC Standard Mon 09-18-95 12:40:27 PM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 12:36:43
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	-.1073	-.8816
SDev	.1272	.2992
%RSD	118.5	33.94
#1	-.1972	-.6700
#2	-.0174	-1.093
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

Analysis Report Mon 09-18-95 12:44:14 PM page 1

Method: PRODPBTL Sample Name: 739955 #34 Operator:
Run Time: 09/18/95 12:40:31
Comment: XXX SDG:10591M 1:1 MW-11
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.5427	-.0529
SDev	.1358	.0748
%RSD	25.03	141.4
#1	.6387	-.1058
#2	.4466	.0000

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Method: PRODPBTL Sample Name: 739955 A#35 Operator:
Run Time: 09/18/95 12:44:18
Comment: XXX SDG:10591M 1:1 MW-11A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	18.70	12.26
SDev	.34	.05
%RSD	1.835	.4361
#1	18.46	12.29
#2	18.94	12.22

Tl - 61.3% "W"

Analysis Report Mon 09-18-95 12:51:50 PM page 1

Method: PRODPBTL Sample Name: 739956 #36 Operator:
Run Time: 09/18/95 12:48:06
Comment: XXX SDG:10591M 1:1 MW-10
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	1.389	-.4628
SDev	.310	.6171
%RSD	22.35	133.3
#1	1.169	-.8992
#2	1.608	-.0264

AMENDED DATA

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Analysis Report Mon 09-18-95 12:55:42 PM page 1

Method: PRODPBTL Sample Name: 739956 A#37 Operator:
Run Time: 09/18/95 12:51:58
Comment: XXX SDG:10591M 1:1 MW-10A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	17.29	14.73
SDev	.21	.24
%RSD	1.197	1.611
#1	17.44	14.89
#2	17.15	14.56

Tl-73.6% "W"

Analysis Report Mon 09-18-95 12:59:36 PM page 1

Method: PRODPBTL Sample Name: 739957 #38 Operator:
Run Time: 09/18/95 12:55:46
Comment: XXX SDG:10591M 1:1 MW-17
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	1.324	.4232
SDev	.368	.0499
%RSD	27.79	11.79
#1	1.585	.3879
#2	1.064	.4584

Analysis Report Mon 09-18-95 01:03:34 PM page 1

Method: PRODPBTL Sample Name: 739957 A#39 Operator:
Run Time: 09/18/95 12:59:40
Comment: XXX SDG:10591M 1:1 MW-17A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	18.73	13.63
SDev	.09	.24
%RSD	.4577	1.778
#1	18.79	13.46
#2	18.67	13.80

Tl-68.2% "W"

Analysis Report Mon 09-18-95 01:07:22 PM page 1

Method: PRODPBTL Sample Name: 739959 #40 Operator:
Run Time: 09/18/95 13:03:38
Comment: XXX SDG:10591M 1:1 MW-1A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	R230.8	61.46
SDev	.5	1.78
%RSD	.2008	2.901
#1	R230.5	62.72
#2	R231.1	60.20

AMENDED DATA

Analysis Report Mon 09-18-95 01:13:58 PM page 1

Method: PRODPBTL Sample Name: 739959 #40 Operator:
Run Time: 09/18/95 13:10:18
Comment: XXX SDG:10591M 1:2 MW-1A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	R161.8	32.05
SDev	.8	.36
%RSD	.4773	1.109
#1	R162.4	32.30
#2	R161.3	31.80

Analysis Report Mon 09-18-95 01:18:09 PM page 1

Method: PRODPBTL Sample Name: 739959 A#41 Operator:
Run Time: 09/18/95 13:14:29
Comment: XXX SDG:10591M 1:2 MW-1AA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	R167.1	52.72
SDev	1.4	1.20
%RSD	.8109	2.281
#1	R168.1	53.57
#2	R166.2	51.87

Tl - 103.4%

Analysis Report QC Standard Mon 09-18-95 01:22:02 PM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 13:18:18
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	Q34.75	32.55
SDev	2.82	.44
%RSD	8.121	1.352
#1	Q36.74	32.86
#2	32.75	32.24
Quality	115.8%HI	108.5%OK
Standard	30.00	30.00
Range	10.5%	10.5%

Analysis Report QC Standard Mon 09-18-95 01:25:55 PM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 13:22:11
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.0319	-.0661
SDev	.4471	.4052
%RSD	1401.	612.8
#1	.3480	-.3526
#2	-.2842	.2204
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

AMENDED DATA

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Analysis Report Mon 09-18-95 01:29:42 PM page 1

Method: PRODPBTL Sample Name: 739978 #46 Operator:
Run Time: 09/18/95 13:25:59
Comment: XXX SDG:10591M 1:1 TRIPBLK1
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	2.364	.0485
SDev	.054	.0312
%RSD	2.295	64.28
#1	2.402	.0705
#2	2.325	.0264

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Method: PRODPBTL Sample Name: 739978 A#47 Operator:
Run Time: 09/18/95 13:29:47
Comment: XXX SDG:10591M 1:1 TRIPBLK1A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	22.40	17.17
SDev	.44	.47
%RSD	1.957	2.723
#1	22.71	16.84
#2	22.09	17.50

Analysis Report QC Standard Mon 09-18-95 01:37:39 PM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 13:33:47
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	32.12	31.69
SDev	.31	.26
%RSD	.9750	.8332
#1	32.34	31.87
#2	31.89	31.50
Quality	107.1%OK	105.6%OK
Standard	30.00	30.00
Range	10.5%	10.5%

Analysis Report QC Standard Mon 09-18-95 01:41:37 PM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 13:37:44
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.3629	-.2468
SDev	.4230	.5236
%RSD	116.6	212.1
#1	.6620	-.6171
#2	.0638	.1234
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

AMENDED DATA

Analysis Report Mon 09-18-95 01:46:42 PM page 1

Method: PRODPBTL Sample Name: 755110 #10 Operator:
Run Time: 09/18/95 13:42:46
Comment: PBW SDG:10592M 1:1 PBW
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	-.0116	-.0044
SDev	.2707	.1808
%RSD	2333.	4101.
#1	.1798	-.1322
#2	-.2030	.1234
Limit	LC Pass	LC Pass
Upper	3.000	10.00
Lower	-3.000	-10.00

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Method: PRODPBTL Sample Name: 755110 A#11 Operator:
Run Time: 09/18/95 13:46:46
Comment: PBW SDG:10592M 1:1 PBWA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	20.19	20.76
SDev	.21	.59
%RSD	1.052	2.845
#1	20.34	21.18
#2	20.03	20.34

Analysis Report Mon 09-18-95 01:54:19 PM page 1

Method: PRODPBTL Sample Name: FLCSW755108 #12 Operator:
Run Time: 09/18/95 13:50:35
Comment: LCSW SDG:10591M 1:1 LCSW
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	33.64	21.99
SDev	1.20	.15
%RSD	3.569	.6764
#1	34.49	21.89
#2	32.79	22.10
Limit	LC Pass	LC Pass
Upper	38.53	24.08
Lower	25.44	15.90

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Method: PRODPBTL Sample Name: FLCSW755108 A#13 Operator:
Run Time: 09/18/95 13:54:23
Comment: LCSW SDG:10591M 1:1 LCSWA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	R56.82	43.79
SDev	1.71	.62
%RSD	3.003	1.406
#1	R58.03	44.23
#2	55.62	43.36

AMENDED DATA

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Method: PRODPBTL Sample Name: 739915 #14 Operator:
Run Time: 09/18/95 13:58:13
Comment: XXX SDG:10592M 1:1 MW-9
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	6.573	.2116
SDev	.138	.2493
%RSD	2.096	117.9
#1	6.671	.3879
#2	6.476	.0353

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Method: PRODPBTL Sample Name: 739915 A#15 Operator:
Run Time: 09/18/95 14:02:10
Comment: XXX SDG:10592M 1:1 MW-9A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	26.04	14.52
SDev	.29	.40
%RSD	1.095	2.749
#1	26.24	14.81
#2	25.84	14.24

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Method: PRODPBTL Sample Name: 739898 #16 Operator:
Run Time: 09/18/95 14:06:05
Comment: DUP SDG:10592M 1:1 MW-9D
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	6.631	.2956
SDev	.349	.4803
%RSD	5.265	162.5
#1	6.878	-.0441
#2	6.384	.6352

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Method: PRODPBTL Sample Name: 739898 A#17 Operator:
Run Time: 09/18/95 14:09:53
Comment: DUP SDG:10592M 1:1 MW-9DA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	25.92	14.33
SDev	1.01	.17
%RSD	3.905	1.179
#1	26.64	14.45
#2	25.21	14.21

AMENDED DATA

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Analysis Report Mon 09-18-95 02:17:24 PM page 1

Method: PRODPBTL Sample Name: 739897 #18 Operator:
Run Time: 09/18/95 14:13:40
Comment: SPK SDG:10592M 1:1 MW-9S
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	22.66	35.95
SDev	.84	.25
%RSD	3.704	.6914
#1	23.25	36.12
#2	22.06	35.77

Analysis Report QC Standard Mon 09-18-95 02:21:32 PM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 14:17:48
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	30.84	31.65
SDev	.04	.08
%RSD	.1382	.2381
#1	30.81	31.70
#2	30.87	31.60
Quality	102.8%OK	105.5%OK
Standard	30.00	30.00
Range	10.5%	10.5%

Analysis Report QC Standard Mon 09-18-95 02:25:31 PM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 14:21:37
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	-.2581	.0309
SDev	.0041	.3304
%RSD	1.589	1071.
#1	-.2552	-.2028
#2	-.2610	.2645
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

Analysis Report Mon 09-18-95 02:29:30 PM page 1

Method: PRODPBTL Sample Name: 739890 #22 Operator:
Run Time: 09/18/95 14:25:35
Comment: XXX SDG:10592M 1:1 TRIPBLK2
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.2436	.2645
SDev	.1066	.0873
%RSD	43.77	33.00
#1	.3190	.3262
#2	.1682	.2028

AMENDED DATA

Analysis Report — Mon 09-18-95 02:33:25 PM — page 1

Method: PRODPBTL Sample Name: 739890 A#23 Operator:
Run Time: 09/18/95 14:29:34
Comment: XXX SDG:10592M 1:1 TRIPBLK2A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	19.33	18.93
SDev	.63	.06
%RSD	3.272	.3303
#1	19.78	18.88
#2	18.88	18.97

Analysis Report — Mon 09-18-95 02:37:12 PM — page 1

Method: PRODPBTL Sample Name: 739893 #24 Operator:
Run Time: 09/18/95 14:33:28
Comment: XXX SDG:10592M 1:1 MW-2
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	3.933	.1675
SDev	.329	.1621
%RSD	8.369	96.76
#1	4.165	.0529
#2	3.700	.2821

Analysis Report — Mon 09-18-95 02:41:01 PM — page 1

Method: PRODPBTL Sample Name: 739893 A#25 Operator:
Run Time: 09/18/95 14:37:17
Comment: XXX SDG:10592M 1:1 MW-2A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	20.80	14.54
SDev	.08	.28
%RSD	.3736	1.908
#1	20.86	14.35
#2	20.75	14.74

Analysis Report — Mon 09-18-95 02:44:50 PM — page 1

Method: PRODPBTL Sample Name: 739901 #26 Operator:
Run Time: 09/18/95 14:41:05
Comment: XXX SDG:10592M 1:1 MW-4
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	4.210	.3704
SDev	.097	.2745
%RSD	2.311	74.10
#1	4.141	.1763
#2	4.279	.5645

AMENDED DATA

Analysis Report Mon 09-18-95 02:48:47 PM page 1

Method: PRODPBTL Sample Name: 739901 A#27 Operator:
Run Time: 09/18/95 14:44:54
Comment: XXX SDG:10592M 1:1 MW-4A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	23.69	16.82
SDev	.15	.49
%RSD	.6304	2.897
#1	23.79	16.47
#2	23.58	17.16

Analysis Report Mon 09-18-95 02:52:35 PM page 1

Method: PRODPBTL Sample Name: 739908 #28 Operator:
Run Time: 09/18/95 14:48:51
Comment: XXX SDG:10592M 1:1 MW-12
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.5172	-.1322
SDev	.6001	.4488
%RSD	116.0	339.4
#1	.0928	.1851
#2	.9415	-.4496

Analysis Report Mon 09-18-95 02:56:23 PM page 1

Method: PRODPBTL Sample Name: 739908 A#29 Operator:
Run Time: 09/18/95 14:52:39
Comment: XXX SDG:10592M 1:1 MW-12A
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	18.08	14.22
SDev	.28	.01
%RSD	1.547	.0475
#1	18.28	14.22
#2	17.88	14.21

Analysis Report Mon 09-18-95 03:00:21 PM page 1

Method: PRODPBTL Sample Name: 123123 #30 Operator:
Run Time: 09/18/95 14:56:35
Comment: INS SDG:INSERT 1:1 INSERT
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.0319	-.1411
SDev	.1600	.7605
%RSD	501.4	539.2
#1	-.0812	.3967
#2	.1450	-.6788

AMENDED
DATA

Analysis Report QC Standard Mon 09-18-95 03:04:09 PM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 15:00:25
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	30.78	31.33
SDev	1.17	1.70
%RSD	3.809	5.428
#1	31.61	32.54
#2	29.95	30.13
Quality	102.6%OK	104.4%OK
Standard	30.00	30.00
Range	10.5%	10.5%

Analysis Report QC Standard Mon 09-18-95 03:08:00 PM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 15:04:14
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	-.1624	.4852
SDev	.2133	.3371
%RSD	131.3	69.48
#1	-.0116	.7236
#2	-.3132	.2468
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

Analysis Report Mon 09-18-95 03:11:49 PM page 1

Method: PRODPBTL Sample Name: 739922 #34 Operator:
Run Time: 09/18/95 15:08:03
Comment: XXX SDG:10592M 1:1 MW-9SD
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	3.909	-.0882
SDev	.388	.2493
%RSD	9.932	282.8
#1	3.634	-.2645
#2	4.183	.0882

Analysis Report Mon 09-18-95 03:15:42 PM page 1

Method: PRODPBTL Sample Name: 739922 A#35 Operator:
Run Time: 09/18/95 15:11:54
Comment: XXX SDG:10592M 1:1 MW-9SDA
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	22.22	11.85
SDev	.39	.61
%RSD	1.748	5.116
#1	22.50	12.28
#2	21.95	11.42

AMENDED DATA

Analysis Report QC Standard Mon 09-18-95 03:19:52 PM page 1

Method: PRODPBTL Sample Name: S30 Operator:
Run Time: 09/18/95 15:15:58
Comment: CCV
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	30.49	29.17
SDev	.68	1.25
%RSD	2.231	4.273
#1	30.97	28.28
#2	30.01	30.05
Quality	101.6%OK	97.2% OK
Standard	30.00	30.00
Range	10.5%	10.5%

Analysis Report QC Standard Mon 09-18-95 03:23:42 PM page 1

Method: PRODPBTL Sample Name: S0 Operator:
Run Time: 09/18/95 15:19:57
Comment: CCB
Mode: Conc Corr. Factor: 1

Elem	PB	Tl
Units	ppb	ppb
Avge	.0058	.3306
SDev	.0902	.1808
%RSD	1556.	54.68
#1	-.0580	.4584
#2	.0696	.2028
Quality	OK	OK
Standard	.0000	.0000
Range	3.000	10.00

*** END OF \AADATA\TRC0918.LOG ***

AMENDED DATA

Standards/QC Preparation for GFAA

Item to be prepared	Preparation instructions	Prepared by	Date
XCL-24 Stock Solution C	Place in a 100-ml volumetric flask: 4.0 ml of XCL-24 solution C (40 ppm As/Pb, 25 ppm Se/Tl, Ref#: 7M2 N/A) 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 N/A) Dilute to 100 ml with deionized water. Prepare fresh every 6 months, or more often as needed. Pour into a Teflon bottle. MWC	N/A	N/A
Pb/Tl ICV Standard	Place in a 100-ml volumetric flask: -190-7 JLL 9-18-95 Pipet 4.0 ml of ICV4 (1290) (Ref #:7M2 -190-7) into flask. Pipet 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 -192-3) into flask. Dilute to 100 ml with deionized water. Prepare as often as needed. MWC	JLL	9-6-95
Se/As ICV Standard	Place in a 100-ml volumetric flask: Pipet 2.5 ml of ICV2 (1290) (Ref #:7M2 -180-13) into flask. Pipet 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 -192-3) into flask. Dilute to 100 ml with deionized water. Prepare as often as needed. MWC	JLL	9-6-95
Pd/Mg matrix modifier	Place in a volumetric flask: 10 ml of MM#PD4-500 (Ref#:7M2 -189-2). 30 ml of MMMG2-500 (Ref#: 7M2 -182-1). Mix well. MWC Do not dilute. May be prepared at a greater volume if needed, but always prepare in a 3:1 ratio (Mg to Pd). Pour into a Nalgene bottle. Prepare as needed. Add 100 ul of this solution to every 5-ml aliquot of sample for As/Se analysis only.	JLL	9-2-95
Dissolved Metals Only: LCS	Place in a 100-ml volumetric flask: 2.0 ml of XCL-24 stock solution C (Ref#: 7M2 N/A) 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 NK) Dilute to100 ml with deionized water. Use 5.0 ml of this solution to analyze LCS.	NK	NK
Sample Spike	Add 0.1 ml of XCL-23 (Ref#: 7M2 NK) to 10.0 ml of sample.	NA	NA
"Prep" Blank	5 ml of acidified deionized water (2% HNO_3, Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 NA)	NA	NA
Spiking solution	Place in a 500-ml volumetric flask: 10.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 -191/5) 0.5 ml of 1000-ppm PbSE2-2X (Ref#: 7M2 -182-9) 1.0 ml of 1000-ppm PLAS2-2X (Ref#: 7M2 -185-12) 1.0 ml of 1000-ppm PLPb2-2X (Ref#: 7M2 -182-8) MWC 1.0 ml of 1000-ppm PLTL2-2X (Ref#: 7M2 -185-13) Bring up to volume with deionized water. Make as needed.	JLL	5-16-95

Reviewed by: [signature] Date: 9-18-95

AMENDED

Standards/QC Preparation for GFAA

Item to be prepared	Preparation instructions	Prepared by	Date
CRA stock solution A	Place in a 500-ml volumetric flask: 0.25 ml of *PLSE2-2X (Ref#: 7M2 -182-9) 0.5 ml of *PLAS2-2X (Ref#: 7M2 -185-12) 0.15 ml of *PLPB2-2X (Ref#: 7M2 -182-8) 0.5 ml of *PLTL2-2X (Ref#: 7M2 -185-13) 10.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) Dilute to 500 ml with deionized water. Place solution in a Teflon bottle. Prepare fresh every 6 months or more often as needed. MWC	JAC	5-16-95
60/30 stock solution B	Place in a 500-ml volumetric flask: 3.0 ml of *PLAS2-2X (Ref#: 7M2 -185-12) 3.0 ml of *PLSE2-2X (Ref#:7M2 -182-9) 3.0 ml of *PLPB2-2X (Ref#: 7M2 -182-8) 3.0 ml of *PLTL2-2X (Ref#: 7M2 -185-13) 10.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2-191-15) Dilute to 500 ml with deionized water. Place solution in a Teflon bottle. Prepare fresh every 6 months or more often as needed. MWC	JAC	5-16-95
Standard CRA	Place in a 200-ml volumetric flask: 2.0 ml of CRA stock solution A (1.0 ppm As & Tl, 0.5 ppm Se, 0.3 ppm Pb) 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 -192-3) Dilute to 200 ml with deionized water. Prepare daily. MWC	JAC	9-18-95
Standard S30 (S30, CCV)	Place in a 200-ml volumetric flask: 1.0 ml of 60/30 stock solution B (6.0 ppm Se, As, Pb, & Tl) 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 -192-3) Dilute to 200 ml with deionized water. MWC	JAC	9-18-95
Standard S60	Place in a 200-ml volumetric flask: 2.0 ml of 60/30 stock solution B (6.0 ppm Se, As, Pb, & Tl) 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 -192-3) Dilute to 200 ml with deionized water. Prepare daily. MWC	JAC	9-18-95
Standard blank	Place in a 200-ml volumetric flask: 4.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7M2 -192-3) Dilute to 200 ml with deionized water. Prepare daily. MWC	JAC	9-18-95

*SEX true concentration: 1,000 ppm

Reviewed by: MW Cherup

Date: 9-18-95

AMENDED

350

ENVIRONMENTAL
CORPORATION

Mercury Analysis

Cold Vapor by Leeman PS200

Analyst J HODGEN Date 7-18-95

Start Time 0830

SDG: MDKB2Z, MHCK9Z, 185791M, 185792M, 185793M, 737262, 737365

Method: (CLP) / SW-846

QC: ICV-5 (0791)

ICV True value= 4.90ppb

CCV True value= 5.00ppb

gas flow: 0.3 LPM
pump rate: 5.0 ml/M

units: ug/L

correlation coefficient: 0.999

standard concentrations (ug/L)

0.00
0.20
0.50
1.00
5.00
10.0
ICV-5 (0791)

Prep date:
refer to
page # 4200

pages 1-9

Filename: V271839 .WSL

AMENDED DATA

09:40:00 18 Jul 1995 Folder: JH718 Protocol: HG2 HG2 Page 1

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 09:40:00 18 Jul 1995 HG

Hg .0000 ppb -388
Ave. Int. = -388 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 09:42:23 18 Jul 1995 HG

Hg .2000 ppb 3510
Ave. Int. = 3510 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 09:44:46 18 Jul 1995 HG

Hg .5000 ppb 8824
Ave. Int. = 8824 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 09:47:09 18 Jul 1995 HG

Hg 1.000 ppb 18139
Ave. Int. = 18139 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 09:49:32 18 Jul 1995 HG

Hg 5.000 ppb 94667
Ave. Int. = 94667 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 09:52:06 18 Jul 1995 HG

Hg 10.00 ppb 186390
Ave. Int. = 186390 S. D. = 0

AMENDED DATA

Protocol: HG2 HG2
Rev: 2.005 Time: 09:52:14 18 Jul 1995
Folder: JH718 Seq: 6 Print: On
User: JHUDSON Batch: Id: Std6Rep1 Cup: Gas: 0.30 LPM
State: Idle Macro AUTOCRA 81 : F3 Print Xmit: Off Autosampler: On

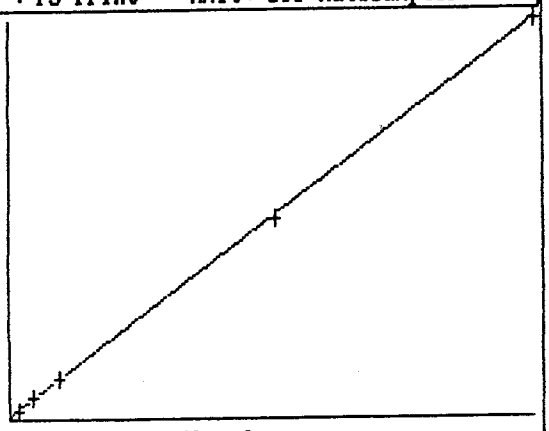
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.
S1	.0000	-.0054	-.0054
S2	.2000	.2017	.0017
S3	.5000	.4855	-.0145
S4	1.000	.9829	-.0171
S5	5.000	5.069	.0693
S6	10.00	9.967	-.0329

Accepted
LiNear
Quadratic
WtdLinear
Accept
StdAdd
Concentration

A .0000000 r .999960
B 5.33979e-5 C 1.42779e-2



Relative Absorbance

	Mean	%RSD	
S1	-388	0	-388
S2	3510	0	3510
S3	8824	0	8824
S4	18139	0	18139
S5	94667	0	94667
S6	186390	0	186390

New cal coefficients stored

AMENDED DATA

09:54:42 18 Jul 1995 Folder: JH718 Protocol: HG2 HG2 Page 2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3ICV Seq: 6 09:54:42 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.4	5.165	4.900	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 7 09:57:13 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0115	.2000	ppb	.0000

*** Check Standard: 4 Ck4CRA Seq: 8 09:59:34 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.0	.2120	.2000	ppb	.0000

*** Check Standard: 2 Ck2CCV Seq: 9 10:01:55 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.1	5.107	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 10 10:04:27 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0095	.2000	ppb	.0000

*** Sample ID: 739364 Seq: 11 10:06:47 18 Jul 1995 HG

PBW 1:1

Hg	.0406	ppb	.0000	.0406

*** Sample ID: LCSW739101 Seq: 12 10:09:05 18 Jul 1995 HG

LCSW 1:1

Hg	3.437	ppb	.0000	3.437

*** Sample ID: 739097 Seq: 13 10:11:29 18 Jul 1995 HG

MDKB20 1:1

Hg	.0432	ppb	.0000	.0432

*** Sample ID: 740168 Seq: 14 10:13:48 18 Jul 1995 HG

PBW 1:1

Hg	.0164	ppb	.0000	.0164

*** Sample ID: LCSW739798 Seq: 15 10:16:07 18 Jul 1995 HG

LCSW 1:1

Hg	2.992	ppb	.0000	2.992

*** Sample ID: 739794 Seq: 16 10:18:30 18 Jul 1995 HG

MHCK90 1:1

Hg	-.0026	ppb	.0000	-.0026

*** Sample ID: 739797 Seq: 17 10:20:49 18 Jul 1995 HG

MHCK90D 1:1

Hg	.0180	ppb	.0000	.0180

AMENDED DATA

Folder: JH/18 Page 3
10:23:08 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739796 Seq: 18 10:23:08 18 Jul 1995 HG
MHCK90S 1:1
Hg .9799 ppb .0000 .9799

*** Sample ID: 739795 Seq: 19 10:25:27 18 Jul 1995 HG
MHCK92 1:1
Hg .0432 ppb .0000 .0432

*** Sample ID: 739799 Seq: 20 10:27:46 18 Jul 1995 HG
MHCK94 1:1
Hg -.0078 ppb .0000 -.0078

*** Check Standard: 2 Ck2CCV Seq: 21 10:30:06 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.0	5.050	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 22 10:32:37 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0044	.2000	ppb	.0000

*** Sample ID: 739800 Seq: 23 10:34:57 18 Jul 1995 HG
MHCK95 1:1
Hg .0199 ppb .0000 .0199

*** Sample ID: 740165 Seq: 24 10:37:16 18 Jul 1995 HG
PBW 1:1
Hg .0297 ppb .0000 .0297

*** Sample ID: LCSW739949 Seq: 25 10:39:35 18 Jul 1995 HG
LCSW 1:1
Hg 2.990 ppb .0000 2.990

*** Sample ID: 739942 Seq: 26 10:41:58 18 Jul 1995 HG
MW-1 1:1
Hg .0074 ppb .0000 .0074

*** Sample ID: 739948 Seq: 27 10:44:17 18 Jul 1995 HG
MW-1D 1:1
Hg .0548 ppb .0000 .0548

*** Sample ID: 739947 Seq: 28 10:46:36 18 Jul 1995 HG
MW-1S 1:1
Hg .9979 ppb .0000 .9979

*** Sample ID: 739944 Seq: 29 10:48:53 18 Jul 1995 HG
MW-1SD 1:1
Hg .0206 ppb .0000 .0206

AMENDED DATA

Folder: JH718 Page 4
10:51:10 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739945 Seq: 30 10:51:10 18 Jul 1995 HG
MW-6 1:1
Hg .0405 ppb .0000 .0406

*** Sample ID: 739946 Seq: 31 10:53:28 18 Jul 1995 HG
MW-3 1:1
Hg .0304 ppb .0000 .0304

*** Sample ID: 739950 Seq: 32 10:55:46 18 Jul 1995 HG
MW-8 1:1
Hg .0267 ppb .0000 .0267

*** Check Standard: 2 Ck2CCV Seq: 33 10:58:05 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.3	5.014	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 34 11:00:36 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0071	.2000	ppb	.0000

*** Sample ID: 739954 Seq: 35 11:02:56 18 Jul 1995 HG
MW-13 1:1
Hg .0277 ppb .0000 .0277

*** Sample ID: 739955 Seq: 36 11:05:15 18 Jul 1995 HG
MW-11 1:1
Hg .0213 ppb .0000 .0213

*** Sample ID: 739956 Seq: 37 11:07:34 18 Jul 1995 HG
MW-10 1:1
Hg .0244 ppb .0000 .0244

*** Sample ID: 739957 Seq: 38 11:09:53 18 Jul 1995 HG
MW-17 1:1
Hg .0333 ppb .0000 .0333

*** Sample ID: 739958 Seq: 39 11:12:12 18 Jul 1995 HG
MW-15 1:1
Hg .0224 ppb .0000 .0224

*** Sample ID: 739959 Seq: 40 11:14:31 18 Jul 1995 HG
MW-1A 1:1
Hg 1.692 ppb .0000 1.692

*** Sample ID: 739978 Seq: 41 11:16:50 18 Jul 1995 HG
TRIPBLK1 1:1
Hg .0168 ppb .0000 .0168

AMENDED DATA

11:19:10 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 740260 Seq: 42 11:19:10 18 Jul 1995 HG

PBW 1:1

Hg	.0369	ppb	.0000	.0369				

*** Sample ID: LCSW739900 Seq: 43 11:21:29 18 Jul 1995 HG

LCSW 1:1

Hg	2.968	ppb	.0000	2.968				

*** Sample ID: 739915 Seq: 44 11:23:51 18 Jul 1995 HG

MW-9 1:1

Hg	.0269	ppb	.0000	.0269				

*** Check Standard: 2 Ck2CCV Seq: 45 11:26:11 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.48	4.974	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 46 11:28:38 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0020	.2000	ppb	.0000

*** Sample ID: 739898 Seq: 47 11:30:58 18 Jul 1995 HG

MW-9D 1:1

Hg	.0418	ppb	.0000	.0418				

*** Sample ID: 739897 Seq: 48 11:33:17 18 Jul 1995 HG

MW-9S 1:1

Hg	1.059	ppb	.0000	1.059				

*** Sample ID: 739890 Seq: 49 11:35:36 18 Jul 1995 HG

TRIPBLK2 1:1

Hg	.0417	ppb	.0000	.0417				

*** Sample ID: 739893 Seq: 50 11:37:55 18 Jul 1995 HG

MW-2 1:1

Hg	.0304	ppb	.0000	.0304				

*** Sample ID: 739901 Seq: 51 11:40:14 18 Jul 1995 HG

MW-4 1:1

Hg	.0368	ppb	.0000	.0368				

*** Sample ID: 739905 Seq: 52 11:42:33 18 Jul 1995 HG

MW-5 1:1

Hg	.0477	ppb	.0000	.0477				

*** Sample ID: 739908 Seq: 53 11:44:52 18 Jul 1995 HG

MW-12 1:1

Hg	.0456	ppb	.0000	.0456				

AMENDED DATA

Folder: JH718 Page 6
11:47:12 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739911 Seq: 54 11:47:12 18 Jul 1995 HG
MW-14 1:1
Hg .0283 ppb .0000 .0283

*** Sample ID: 739917 Seq: 55 11:49:32 18 Jul 1995 HG
MW-16 1:1
Hg .0381 ppb .0000 .0381

*** Sample ID: 739920 Seq: 56 11:51:52 18 Jul 1995 HG
MW-18 1:1
Hg .0462 ppb .0000 .0462

*** Check Standard: 2 Ck2CCV Seq: 57 11:54:13 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.95	4.797	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 58 11:56:39 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0021	.2000	ppb	.0000

*** Sample ID: 739922 Seq: 59 11:58:59 18 Jul 1995 HG
MW-9SD 1:1
Hg .0261 ppb .0000 .0261

*** Sample ID: 740261 Seq: 60 12:01:19 18 Jul 1995 HG
PBW 1:1
Hg .0357 ppb .0000 .0357

*** Sample ID: LCSW739969 Seq: 61 12:03:39 18 Jul 1995 HG
LCSW 1:1
Hg 3.484 ppb .0000 3.484

*** Sample ID: 739966 Seq: 62 12:06:00 18 Jul 1995 HG
S-1 1:1
Hg .0323 ppb .0000 .0323

*** Sample ID: 739968 Seq: 63 12:08:22 18 Jul 1995 HG
S-1D 1:1
Hg .0226 ppb .0000 .0226

*** Sample ID: 739967 Seq: 64 12:10:45 18 Jul 1995 HG
S-1S 1:1
Hg 1.022 ppb .0000 1.022

*** Sample ID: 739971 Seq: 65 12:13:08 18 Jul 1995 HG
S-2 1:1
Hg .0306 ppb .0000 .0306

AMENDED DATA

Folder: JM718 Page 7

12:15:31 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739973 Seq: 66 12:15:31 18 Jul 1995 HG
S-3 1:1
Hg .0300 ppb .0000 .0300

*** Sample ID: 739975 Seq: 67 12:17:54 18 Jul 1995 HG
S-4 1:1
Hg .0370 ppb .0000 .0370

*** Sample ID: 739977 Seq: 68 12:20:17 18 Jul 1995 HG
S-5 1:1
Hg .0414 ppb .0000 .0414

*** Check Standard: 2 Ck2CCV Seq: 69 12:22:39 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.13	4.756	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 70 12:25:04 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0007	.2000	ppb	.0000

*** Sample ID: 739678 Seq: 71 12:27:26 18 Jul 1995 HG
PBW 1:1
Hg .0392 ppb .0000 .0392

*** Sample ID: LCSW739679 Seq: 72 12:29:49 18 Jul 1995 HG
LCSW 1:1
Hg 3.078 ppb .0000 3.078

*** Sample ID: 737285 Seq: 73 12:32:13 18 Jul 1995 HG
C#3100-MW-021:1
Hg .0143 ppb .0000 .0143

*** Sample ID: 737264 Seq: 74 12:34:36 18 Jul 1995 HG
C#3100-MW-021:1
Hg .0396 ppb .0000 .0396

*** Sample ID: 737263 Seq: 75 12:36:59 18 Jul 1995 HG
C#3100-MW-021:1
Hg 1.125 ppb .0000 1.125

*** Sample ID: 737262 Seq: 76 12:39:22 18 Jul 1995 HG
C#3100-MW02D1:1
Hg .0465 ppb .0000 .0465

*** Sample ID: 737294 Seq: 77 12:41:45 18 Jul 1995 HG
C#3100-MW-041:1
Hg .0359 ppb .0000 .0359

AMENDED DATA

12:44:08 18 Jul 1995 Folder: JH718 Protocol: HG2 HG2 Page 8

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 739681 Seq: 78 12:44:08 18 Jul 1995 HG
PBW 1:1

Hg	.0399	ppb	.0000	.0399	

*** Sample ID: LCSW739682 Seq: 79 12:46:31 18 Jul 1995 HG
LCSW 1:1

Hg	3.128	ppb	.0000	3.128	

*** Sample ID: 737305 Seq: 80 12:48:56 18 Jul 1995 HG
C#ST06-MW-041:1

Hg	.0368	ppb	.0000	.0368	

*** Check Standard: 2 Ck2CCV Seq: 81 12:51:19 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		90.83	4.542	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 82 12:53:45 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0073	.2000	ppb	.0000

*** Sample ID: 737315 Seq: 83 12:56:08 18 Jul 1995 HG
C#ST06-MW-041:1

Hg	.0502	ppb	.0000	.0502	

*** Sample ID: 737314 Seq: 84 12:58:33 18 Jul 1995 HG
C#ST06-MW-041:1

Hg	1.052	ppb	.0000	1.052	

*** Sample ID: 738270 Seq: 85 13:00:58 18 Jul 1995 HG
C#ST06-1-9 1:1

Hg	.0454	ppb	.0000	.0454	

*** Sample ID: 738276 Seq: 86 13:03:23 18 Jul 1995 HG
C#ST06-1-9 1:1

Hg	.0569	ppb	.0000	.0569	

*** Sample ID: 738292 Seq: 87 13:05:48 18 Jul 1995 HG
C#ST06-MW 1:1

Hg	.0493	ppb	.0000	.0493	

*** Sample ID: 738308 Seq: 88 13:08:13 18 Jul 1995 HG
C#ST06-1-9 1:1

Hg	.0313	ppb	.0000	.0313	

*** Sample ID: 738592 Seq: 89 13:10:38 18 Jul 1995 HG
C#ST06-1-92 1:1

Hg	.0338	ppb	.0000	.0338	

AMENDED DATA

Folder: JH718 Page 7

13:13:03 18 Jul 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 738599 Seq: 90 13:13:03 18 Jul 1995 HG
C#ST06-1-96 1:1
Hg .0284 ppb .0000 .0284

*** Sample ID: 123123 Seq: 91 13:15:28 18 Jul 1995 HG
INSERT 1:1
Hg .0207 ppb .0000 .0207

*** Sample ID: 123123 Seq: 92 13:17:53 18 Jul 1995 HG
INSERT 1:1
Hg .0152 ppb .0000 .0152

*** Check Standard: 2 Ck2CCV Seq: 93 13:20:16 18 Jul 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		91.55	4.577	5.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 94 13:22:43 18 Jul 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.0103	.2000	ppb	.0000

~~*** Sample ID: 123123 Seq: 95 13:25:06 18 Jul 1995 HG~~
INSERT 1:1
Hg .0127 ppb .0000 .0127

*** Sample ID: 123123 Seq: 96 13:27:31 18 Jul 1995 HG
INSERT 1:1
Hg .0184 ppb .0000 .0184

*** Sample ID: 123123 Seq: 97 13:29:56 18 Jul 1995 HG
INSERT 1:1
Hg .0235 ppb .0000 .0235

*** Sample ID: 123123 Seq: 98 13:32:21 18 Jul 1995 HG
INSERT 1:1
Hg .0144 ppb .0000 .0144

*** Sample ID: 123123 Seq: 99 13:34:46 18 Jul 1995 HG
INSERT 1:1
Hg .3325 ppb .0000 .3325

*** Sample ID: 123123 Seq: 100 13:37:11 18 Jul 1995 HG
INSERT 1:1
Hg .0157 ppb .0000 .0157

*** Sample ID: 123123 Seq: 101 13:39:36 18 Jul 1995 HG
INSERT 1:1
Hg 50.56 H ppb .0000 50.56

SDH 7-18-97

DATA REJECTED BY ANALYST

AMENDED DATA

Mercury Analysis Report for File JH718.PRN Page 0

Starting Date: 07-18-1995

Time	Sam. Type	Lab ID----	Client ID----------		Dil.	Conc/Abs	%R----	Status Flags
0940	STB	Std1Rep1			1			
0942	STD	Std2Rep1			1			
0944	STD	Std3Rep1			1			
0947	STD	Std4Rep1			1			
0949	STD	Std5Rep1			1			
0952	STD	Std6Rep1			1			
0954	ICV	Ck3ICV			1	5.165	105.41	
0957	ICB	Ck1ICB\CCB			1	-.0115		
0959	CRA	Ck4CRA			1	.2120	106.00	
1001	CCV	Ck2CCV			1	5.107	102.14	
1004	CCB	Ck1ICB\CCB			1	-.0095		
1006	SAM	739364	PBW	1:1	1	.0406		
1009	SAM	LCSW739101	LCSW	1:1	1	3.437		R
		Comment: LCS is not required to be reported						
1011	SAM	739097	MDKB20	1:1	1	.0432		
1013	SAM	740168	PBW	1:1	1	.0164		
1016	SAM	LCSW739798	LCSW	1:1	1	2.992		R
		Comment: LCS is not required to be reported						
1018	SAM	739794	MHCK90	1:1	1	-.0026		
1020	SAM	739797	MHCK90D	1:1	1	.0180		
1023	SAM	739796	MHCK90S	1:1	1	.9799		
1025	SAM	739795	MHCK92	1:1	1	.0432		
1027	SAM	739799	MHCK94	1:1	1	-.0078		
1030	CCV	Ck2CCV			1	5.050	101.00	
1032	CCB	Ck1ICB\CCB			1	.0044		
1034	SAM	739800	MHCK95	1:1	1	.0199		
1037	SAM	740165	PBW	1:1	1	.0297		
1039	SAM	LCSW739949	LCSW	1:1	1	2.990		R
		Comment: LCS is not required to be reported						
1041	SAM	739942	MW-1	1:1	1	.0074		
1044	SAM	739948	MW-1D	1:1	1	.0548		
1046	SAM	739947	MW-1S	1:1	1	.9979		
1048	SAM	739944	MW-1SD	1:1	1	.0206		
1051	SAM	739945	MW-6	1:1	1	.0406		
1053	SAM	739946	MW-3	1:1	1	.0304		
1055	SAM	739950	MW-8	1:1	1	.0267		
1058	CCV	Ck2CCV			1	5.014	100.28	
1100	CCB	Ck1ICB\CCB			1	.0071		
1102	SAM	739954	MW-13	1:1	1	.0277		
1105	SAM	739955	MW-11	1:1	1	.0213		
1107	SAM	739956	MW-10	1:1	1	.0244		
1109	SAM	739957	MW-17	1:1	1	.0333		
1112	SAM	739958	MW-15	1:1	1	.0224		
1114	SAM	739959	MW-1A	1:1	1	1.692		
1116	SAM	739978	TRIPBLK1	1:1	1	.0168		
1119	SAM	740260	PBW	1:1	1	.0369		
1121	SAM	LCSW739900	LCSW	1:1	1	2.968		R
		Comment: LCS is not required to be reported						
1123	SAM	739915	MW-9	1:1	1	.0269		
1126	CCV	Ck2CCV			1	4.974	99.48	
1128	CCB	Ck1ICB\CCB			1	.0020		
1130	SAM	739898	MW-9D	1:1	1	.0418		

AMENDED

Mercury Analysis Report for File JH718.PRN Page 0

Starting Date: 07-18-1995

Time	Sam. Type	Lab ID----	Client ID----------		Dil.---	Conc/Abs	%R----	Status Flags
1135	SAM	739890	TRIPBLK2	1:1	1	.0417		
1137	SAM	739893	MW-2	1:1	1	.0304		
1140	SAM	739901	MW-4	1:1	1	.0368		
1142	SAM	739905	MW-5	1:1	1	.0477		
1144	SAM	739908	MW-12	1:1	1	.0456		
1147	SAM	739911	MW-14	1:1	1	.0283		
1149	SAM	739917	MW-16	1:1	1	.0381		
1151	SAM	739920	MW-18	1:1	1	.0462		
1154	CCV	Ck2CCV			1	4.797	95.94	
1156	CCB	Ck1ICB\CCB			1	.0021		
1158	SAM	739922	MW-9SD	1:1	1	.0261		
1201	SAM	740261	PBW	1:1	1	.0357		
1203	SAM	LCSW739969	LCSW	1:1	1	3.484		R
		Comment: LCS is not required to be reported						
1206	SAM	739966	S-1	1:1	1	.0323		
1208	SAM	739968	S-1D	1:1	1	.0226		
1210	SAM	739967	S-1S	1:1	1	1.022		
1213	SAM	739971	S-2	1:1	1	.0306		
1215	SAM	739973	S-3	1:1	1	.0300		
1217	SAM	739975	S-4	1:1	1	.0370		
1220	SAM	739977	S-5	1:1	1	.0414		
1222	CCV	Ck2CCV			1	4.756	95.12	
1225	CCB	Ck1ICB\CCB			1	-.0007		
1227	SAM	739678	PBW	1:1	1	.0392		
1229	SAM	LCSW739679	LCSW	1:1	1	3.078		R
		Comment: LCS is not required to be reported						
1232	SAM	737285	C#3100-MW-021	1:1	1	.0143		
1234	SAM	737264	C#3100-MW-021	1:1	1	.0396		
1236	SAM	737263	C#3100-MW-021	1:1	1	1.125		
1239	SAM	737262	C#3100-MW02D1	1:1	1	.0465		
1241	SAM	737294	C#3100-MW-041	1:1	1	.0359		
1244	SAM	739681	PBW	1:1	1	.0399		
1246	SAM	LCSW739682	LCSW	1:1	1	3.128		R
		Comment: LCS is not required to be reported						
1248	SAM	737305	C#ST06-MW-041	1:1	1	.0368		
1251	CCV	Ck2CCV			1	4.542	90.84	
1253	CCB	Ck1ICB\CCB			1	.0073		
1256	SAM	737315	C#ST06-MW-041	1:1	1	.0502		
1258	SAM	737314	C#ST06-MW-041	1:1	1	1.052		
1300	SAM	738270	C#ST06-1-9	1:1	1	.0454		
1303	SAM	738276	C#ST06-1-9	1:1	1	.0569		
1305	SAM	738292	C#ST06-MW	1:1	1	.0493		
1308	SAM	738308	C#ST06-1-9	1:1	1	.0313		
1310	SAM	738592	C#ST06-1-92	1:1	1	.0338		
1313	SAM	738599	C#ST06-1-96	1:1	1	.0284		
1315	SAM	123123	INSERT	1:1	1	.0207		R
		Comment: INSERT not used						
1317	SAM	123123	INSERT	1:1	1	.0152		R
		Comment: INSERT not used						
1320	CCV	Ck2CCV			1	4.577	91.54	
1322	CCB	Ck1ICB\CCB			1	.0103		
1325	SAM	123123	INSERT	1:1	1	.0127		R

AMENDED

Automated Mercury Runlog

Page 2 of ~~32~~ 33 SDH 7-18-95

Date: 7-18-95

Method (Circle one.):
CLP
SW-846

Operator J. HUDSON
Case Name: SAME
File Name: SAME

No.	Sample ID	Comments	Time
	ICV		
	ICB	SDH	7-18-95
1	739898	D	
2	739897	S	
3	739890		
4	739893		
5	739901		
6	739905		
7	739908		
8	739911		
9	739917		
10	739920		
	CCV		
	CCB		
1	739922		
2	740261	PBW	
3	739969	LCSW	
4	739966		
5	739968	D	
6	739967	S	
7	739971		
8	739973		
9	739975		
10	739977		
	CCV		
	CCB		

#	Sample ID	Comments	Time
1	739678	PBW	
2	739679	LCSW	
3	737285		
4	737264	D	
5	737263	S	
6	737262		
7	737294		
8	739681	PBW	
9	739682	LCSW	
10	737305		
	CCV		
	CCB		
1	737315		
2	737314		
3	738270		
4	738276		
5	738292		
6	738308		
7	738592		
8	738599		
9	123123		
10	123123		
	CCV		
	CCB		

Reviewed By: A Wilson
Date: 7-18-95

AMENDED

COMPUCHEM ENVI. --

Automated Mercury Runlog

Page 1 of 32 JDH 7-18-95

Date: 7-18-95

Operator J. HUDSON

Case Name: MBKB20, MHCK90, 10591M, 10592M, 10593M, 737262, 737301

File Name: JH718

Method (Circle one.):
CLP
SW-846

No.	Sample ID	Comments	Time
	ICV-5	(0791)	
	ICB		
1	CRA		
2			
3			
4			
5			
6			
7			
8			
9			
10		JDH	7-18-95
	CCV		
	CCB		
1	739364	PBW	
2	739101	LCSW	
3	739017		
4	740168	PBW	
5	739798	LCSW	
6	739794		
7	739797	D	
8	739796	S	
9	739795		
10	739799		
	CCV		
	CCB		

#	Sample ID	Comments	Time
1	739800		
2	740165	PBW	
3	739949	LCSW	
4	739942		
5	739948	D	
6	739947	S	
7	739944		
8	739945		
9	739946		
10	739950		
	CCV		
	CCB		
1	739954		
2	739955		
3	739956		
4	739957		
5	739958		
6	739959		
7	739978		
8	740260	PBW	
9	739900	LCSW JDH 7-18-95	
10	739915		
	CCV		
	CCB		

Reviewed By: C Nelson

Date: 7-18-95

AMENDED DATA

Standards / QC Preparation Log for Cold Vapor Mercury

Item to be prepared	Preparation instructions	Prepared by	Date
Hg Stock Solution (10 ppm)	Place the following in a 100-ml volumetric flask: • 1.0 ml of Hg *PLHG4-2X (Ref. #: 7M2-180-5) • 5.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade Ref., #: 7M2-192-3) Dilute to 100 ml with deionized water. Prepare as needed.	MUC	5-18-95
Hg standard solution (100 ppb)	Place the following in a 100-ml volumetric flask: • 1.0 ml of 10-ppm Hg stock solution • 5.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade Ref., #: ~~7M2-194-1~~ 7M2-192-5 SDH 7-18-95) Dilute to 100 ml with deionized water. Prepare as needed.	~~PK~~ SDH 7-18-95 LL	SDH 7-18-95 ~~7-7-95~~ 7-14-95
5% Potassium permanganate solution	Place into a 1000-ml Erlenmeyer flask: • 50.0 g of $KMnO_4$ (Baker Analyzed, Ref#: 7M2-171-4) Dilute to 1000 ml with deionized water. Transfer to a 2500-ml amber bottle. Prepare as needed.	LL	7-13-95
5% Potassium persulfate solution	Place into a 1000-ml Erlenmeyer flask: • 50.0 g of $K_2S_2O_8$ (Baker Analyzed, Ref#: 7M2-171-10 ~~7M2-176-8~~ SDH 7-18-95) Dilute to 1000-ml with deionized water. Transfer to 1250-ml amber bottle. Prepare as needed.	LL	7-13-95
Hydroxylamine hydrochloride	Place into a 1000-ml volumetric flask: • 240.0 g of NH_2OH-HCl (Baker Analyzed, Ref#: 7M2-192-15) Dilute to 1000 ml with deionized water. Place solution in a bottle. Prepare as needed. (This can be prepared at 500 ml using 120.0 g of NH_2OH-HCl.)	SDH	7-12-95

*SPEX concentration: 1000 ppm

Reviewed by: C Wilson Date: 7-18-95

AMENDE

Standards / QC Preparation Log for Cold Vapor Mercury (Page 2 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
Stannous chloride	**Automated** Place in a 250-ml fleaker: • 25.0 g of $SnCl_2$-$2H_2O$ (Baker Analyzed, Ref#: 7M2-193-13) • 62.5 ml of HCl (Baker Analyzed, Ref#: 7M2-196-13) Dilute to 250 ml with deionized water. Prepare as needed. **Manual** JDH 7-18-95 Place in a 250-ml fleaker: • 50.0 g of $SnCl_2$-$2H_2O$ (Baker Analyzed, Ref#: _____) • 50.0 ml of HCl (Baker Analyzed, Ref#: _____) Dilute to 500 ml with deionized water. Prepare as needed.	JDH	7-17-95
Standard (0, 0.5, 1.0, 3.0, 5.0, 10.0)	Pipet into 250-ml fleakers: • 0, 0.5, 1.0, 3.0, 5.0, 10.0 ml of Hg standard solution. Dilute each fleaker to 100 ml with deionized water. Add: • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: 7M2-194-4). • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-194-1). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution. All standards are digested with samples and recorded on the appropriate logs submitted with this data. Prepare with each batch of samples.	MWC	7-17-95
LCS (water)	Place in a 250-ml fleaker: • 3.0 ml of 100-ppb Hg standard solution • 100 ml of deionized water • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: 7M2-194-4) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-192-13). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Prepare with each batch of samples.	See preparation worksheet.	Page: 4183, 4189, 4190, 4200, 4201, 4203, 4204

AMENDED

Reviewed by: C Wilson Date: 7-18-95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 3 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
LCS (soil)	Place in a 250-ml fleaker: • 0.2 g of EPA Reference Material Solid LCS (0827) (Ref#: NA) • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: NA) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Add 50 ml of deionized water. Prepare with each batch of samples.	See preparation worksheet.	Page: NA
Sample Spike (water)	Place in a 250-ml fleaker: • 1.0 ml of 100-ppb Hg standard solution • 100 ml of sample • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: 7M2-194-4) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-192-13). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Prepare with each batch of samples.	See preparation worksheet.	Page: 4183, 4189, 4190, 4200, 4201, 4203, 4204
Sample spike (soil)	Place in a 250-ml fleaker: • 1.0 ml of 100-ppb Hg standard solution • 0.2 g of sample • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: NA) • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Add 50 ml of deionized water. Prepare with each batch of samples.	See preparation worksheet.	Page: NA
ICV-5 Solution	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-192-13). Add to flask: • 1.0 ml of ICV-5 (Ref#: 7M2-182-17) Bring up to volume with deionized water.	MWC	7-17-95

AMENDED DATA

Reviewed by: C Wilson Date: 7-18-95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 4 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
CRA Solution	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7m2-192-15). Add to flask: • 0.2 ml of 100-ppb Hg standard solution Bring up to volume with deionized water.	MWC	7-17-95
Dissolved standard (0, 0.5, 1.0, 3.0, 5.0, 10.0)	Pipet into 100-ml volumetric flask: • 0, 0.5, 1.0, 3.0, 5.0, 10.0 of Hg standard solution Dilute each flask to 100 ml with deionized Add: • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA
Dissolved LCS (water)	Pipet into 100-ml volumetric flask: • 3.0 ml of 100-ppb Hg standard solution Add deionized water to volume. Add sample to volume • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA
Dissolved Sample Spike (water)	Pipet into 100-ml volumetric flask: • 1.0 ml of 100-ppb Hg standard solution Add deionized water to volume. Add sample to volume • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA

AMENDED

Reviewed by: CWilson Date: 7-18-95

Operator: M. CHAMP IDL: 10.0000 ug/L
CRDL: 10.0000 ug/L

Date of Analysis: 07-18-95
Starting Time: 10:40
Ending Time: 1213

Peak	Cup	Samp Type	Description/ SDG and Lab ID	Client ID	Result	Dilution	True Value	%Recov.	
1	1	STD	1.0000 N		300.2561	1.0000	0.00		
2	1	STD	1.0000 N		298.3038	1.0000	0.00		
3	2	STD	1.0000 N		201.6504	1.0000	0.00		
4	3	STD	1.0000 N		101.4958	1.0000	0.00		
5	4	STD	1.0000 N		50.2739	1.0000	0.00		
6	5	STD	1.0000 N		10.4489	1.0000	0.00		
7	6	STB	0PPB		-0.5678	1.0000	0.00		
8	1	STD	1.0000 N		300.0869	1.0000	0.00		
9	6	STB	0PPB		-0.2364	1.0000	0.00		
10	6	STB	0PPB		-0.3725	1.0000	0.00		
11	3	STD	1.0000 N		100.9021	1.0000	0.00		
12	3	STD	1.0000 N		100.3799	1.0000	0.00		
13	3	STD	1.0000 N		99.7045	1.0000	0.00		
14	7	ICV	1.0000 N		83.4820	1.0000	94.00	88.811	
15	8	ICB	1.0000 N		-0.3532	1.0000	0.00	OK	
16	9	CCV	CCV0		99.9773	1.0000	100.00	99.977	
17	10	CCB	CCB1		-0.3653	1.0000	0.00	OK	
18	11	PBW	10591M 740169PB		-0.8673	1.0000	0.00		
19	12	LCSW	10591M 739953LC		82.8381	1.0000	94.00	88.126	
20	13	XXX	10591M 739942	MW-1	-0.1016	1.0000	0.00		
21	14	XXX	10591M 739944	MW-1SD	-0.2175	1.0000	0.00		
22	15	XXX	10591M 739955	MW-11	0.2390	1.0000	0.00		
23	16	XXX	10591M 739956	MW-10	-0.4515	1.0000	0.00		
24	17	XXX	10591M 739957	MW-17	-0.6081	1.0000	0.00		
25	18	DUP	10591M 739952D	MW-1D	0.0186	1.0000	0.00		
26	19	SPK	10591M 739951S	MW-1S	91.2234	1.0000	0.00		
27	20		1.0000 N		-0.8653	1.0000	0.00		
28	9	CCV	CCV1		100.1159	1.0000	100.00	100.116	
29	10	CCB	CCB2		-0.8229	1.0000	0.00	OK	
30	21	XXX	10591M 739945	MW-6	-0.2714	1.0000	0.00		
31	22	XXX	10591M 739946	MW-3	-0.1689	1.0000	0.00		
32	23	XXX	10591M 739950	MW-8	0.6315	1.0000	0.00		
33	24	XXX	10591M 739978	TRIPBLK1	-0.4130	1.0000	0.00		
34	25		1.0000 N		-0.8298	1.0000	0.00		
35	26	PBW	10592M 740170PB		-0.3754	1.0000	0.00		
36	27	LCSW	10592M 739904LC		100.8507	1.0000	94.00	107.288	
37	28	XXX	10592M 739915	MW-9	-0.1990	1.0000	0.00		
38	29	XXX	10592M 739922	MW-9SD	0.2655	1.0000	0.00		
39	30		1.0000 N		-0.6832	1.0000	0.00		

10591 m

AMENDED DATA

Operator: M. CHAMP IDL: 10.0000 ug/L
CRDL: 10.0000 ug/L

Date of Analysis: 07-18-95
Starting Time: 10:40
Ending Time: 1213

Peak	Cup	Samp Type	Description/ SDG and Lab ID	Client ID	Result	Dilution	True Value	%Recov.
40	9	CCV	CCV2		100.6940	1.0000	100.00	100.694
41	10	CCB	CCB3		-0.4085	1.0000	0.00	OK
42	31	DUP	10592M 739903D	MW-9D	0.4947	1.0000	0.00	
43	32	SPK	10592M 739902S	MW-9S	91.7281	1.0000	0.00	
44	33	XXX	10592M 739890	TRIPBLK2	0.0532	1.0000	0.00	
45	34	XXX	10592M 739893	MW-2	1.1449	1.0000	0.00	
46	35	XXX	10592M 739901	MW-4	-0.1611	1.0000	0.00	
47	36	XXX	10592M 739908	MW-12	-0.5764	1.0000	0.00	
48	37		1.0000 N		-0.6479	1.0000	0.00	
49	38	PBW	MAGX23 740176PB		-0.5466	1.0000	0.00	
50	39	LCSW	MAGX23 740177LC		82.7801	1.0000	94.00	88.064
51	40		1.0000 N		-0.3980	1.0000	0.00	
52	9	CCV	CCV3		100.5595	1.0000	100.00	100.559
53	10	CCB	CCB4		-0.5142	1.0000	0.00	OK
54	41	XXX	MAGX23 734897	PREP	1.0917	1.0000	0.00	
55	42		1.0000 N		-0.6585	1.0000	0.00	
56	43	PBW	MAGX23 740174PB		-0.3681	1.0000	0.00	
57	44	LCSW	MAGX23 739104LC		99.9916	1.0000	94.00	106.374
58	45	XXX	MAGX23 739098	MAGX23D	203.5312	1.0000	0.00	
59	46		1.0000 N		-0.3871	1.0000	0.00	
60	47	PBS	MAGX23 740171PB		0.0203	1.0000	0.00	
61	48	LCSS	METZ38 739163LC		102.9934	1.0000	112.00	91.958
62	49	XXX	METZ38 739165	METZ40	0.2874	1.0000	0.00	
63	50		1.0000 N		-0.6430	1.0000	0.00	
64	9	CCV	CCV4		100.3513	1.0000	100.00	100.351
65	10	CCB	CCB5		-0.7074	1.0000	0.00	OK
66	51	DUP	METZ38 739162D	METZ40D	1.0755	1.0000	0.00	
67	52	SPK	METZ38 739161S	METZ40S	91.2652	1.0000	0.00	
68	53	XXX	METZ38 739160	METZ38	1.5163	1.0000	0.00	
69	54	XXX	METZ38 739164	METZ39	0.0417	1.0000	0.00	
70	55	XXX	METZ38 739166	METZ41	-0.0157	1.0000	0.00	
71	56		1.0000 N		-0.8824	1.0000	0.00	
72	57		1.0000 N		91.6693	1.0000	0.00	
73	58		1.0000 N		-0.7095	1.0000	0.00	
74	59		1.0000 N		-1.5484	1.0000	0.00	
75	60		1.0000 N		-1.7872	1.0000	0.00	
76	9	CCV	CCV5		98.9995	1.0000	100.00	99.000
77	10	CCB	CCB6		-1.0683	1.0000	0.00	OK
78	61		1.0000 N		-0.9659	1.0000	0.00	
79	62		1.0000 N		-0.6831	1.0000	0.00	

AMENDED
DATA

Operator: M. CHAMP IDL: 10.0000 ug/L
CRDL: 10.0000 ug/L

Date of Analysis: 07-18-95
Starting Time: 10:40
Ending Time: 1213

Peak	Cup	Samp Type	Description/ SDG and Lab ID	Client ID	Result	Dilution	True Value	%Recov.	
80	63		1.0000 N		-1.1130	1.0000	0.00		
81	64		1.0000 N		-0.6559	1.0000	0.00		
82	65		1.0000 N		-1.5281	1.0000	0.00		
83	66		1.0000 N		-1.4202	1.0000	0.00		
84	67		1.0000 N		-1.7608	1.0000	0.00		
85	68		1.0000 N		-1.6570	1.0000	0.00		
86	69		1.0000 N		-1.6450	1.0000	0.00		
87	70		1.0000 N		-1.4558	1.0000	0.00		
88	9	CCV	CCV6		98.6902	1.0000	100.00	98.690	
89	10	CCB	CCB7		-1.0858	1.0000	0.00	OK	
90	3	STD	1.0000 N		100.2327	1.0000	0.00		
91	3	STD	1.0000 N		99.5428	1.0000	0.00		
92	3	STD	1.0000 N		98.8618	1.0000	0.00		
93	1	STD	1.0000 N		300.0869	1.0000	0.00		

AMENDED DATA

DATE GENERATED: 18-JUL-95 SET UP PERFORMED BY: muChamp

07181040
C171843

IDL: 10.000
CRDL: 10.000
ICV RECIPE: 0789 TRUE VALUE: 94.00
CCV RECIPE: ABCD TRUE VALUE: 100.00
LCSS RECIPE: LCS689 TRUE VALUE: 112.00
LCSW RECIPE: 0789 TRUE VALUE: 94.000

	CUP	SAMPLE	CLIENT ID	SDG	DILUTION
Rack 1					
	1	300PPB			
	2	200PPB			
	3	100PPB			
	4	50PPB			
	5	10PPB			
	6	0PPB			
	7	ICV			
	8	ICB			
	9	CCV			
	10	CCB			
Rack 2					
	11	740169PBW	PREP	10591M	
	12	~~SPARE~~ 739953	LCSW		
	13	739942	MW-1	10591M	
	14	739944	MW-1SD	10591M	
	15	739955	MW-11	10591M	
	16	739956	MW-10	10591M	
	17	739957	MW-17	10591M	
	18	739952D	MW-1D	10591M	
	19	739951S	MW-1S	10591M	
	20	SPARE			
Rack 3					
	21	739945	MW-6	10591M	
	22	739946	MW-3	10591M	
	23	739950	MW-8	10591M	
	24	739978	TRIPBLK1	10591M	
	25	SPARE			
	26	740170PBW	PREP	10592M	
	27	~~SPARE~~ 739904	LCSW		
	28	739915	MW-9	10592M	
	29	739922	MW-9SD	10592M	
	30	SPARE			
Rack 4					
	31	739903D	MW-9D	10592M	
	32	739902S	MW-9S	10592M	
	33	739890	TRIPBLK2	10592M	
	34	739893	MW-2	10592M	
	35	739901	MW-4	10592M	
	36	739908	MW-12	10592M	
	37	SPARE			
	38	740176PBW	PREP	MAGX23	
	39	~~SPARE~~ 740177	LCSW		
	40	SPARE			

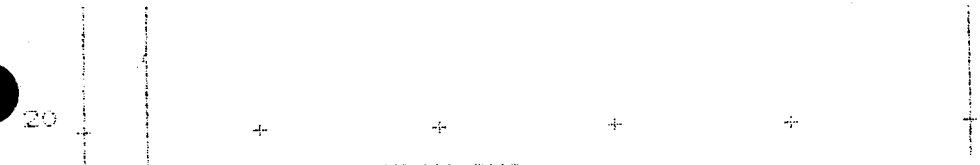
AMENDED DATA

DATE GENERATED: 18-JUL-95 SET UP PERFORMED BY: mwChamp

IDL: 10.000
CRDL: 10.000
ICV RECIPE: 0789 TRUE VALUE: 94.00
CCV RECIPE: ABCD TRUE VALUE: 100.00
LCSS RECIPE: LCS689 TRUE VALUE: 112.00
LCSW RECIPE: 0789 TRUE VALUE: 94.000

	CUP	SAMPLE	CLIENT ID	SDG	DILUTION
Rack 5					
	41	734897	PREP	MAGX23	
	42	SPARE			
	43	740174PBW	MAGX23	MAGX23	
	44	~~SPARE~~ 739104	LCSW		
	45	739098	MAGX23D	MAGX23	
	46	SPARE			
	47	740171PBS	MAGX23S	MAGX23	
	48	739163LCSS	LCSS	METZ38	
	49	739165	METZ40	METZ38	
	50	SPARE			
Rack 6					
	51	739162D	METZ40D	METZ38	
	52	739161S	METZ40S	METZ38	
	53	739160	METZ38	METZ38	
	54	739164	METZ39	METZ38	
	55	739166	METZ41	METZ38	
	56	SPARE			
	57	SPARE			
	58	SPARE			
	59	SPARE			
	60	SPARE			
Rack 7					
	61	SPARE			
	62	SPARE			
	63	SPARE			
	64	SPARE			
	65	SPARE			
	66	SPARE			
	67	SPARE			
	68	SPARE			
	69	SPARE			
	70	SPARE			

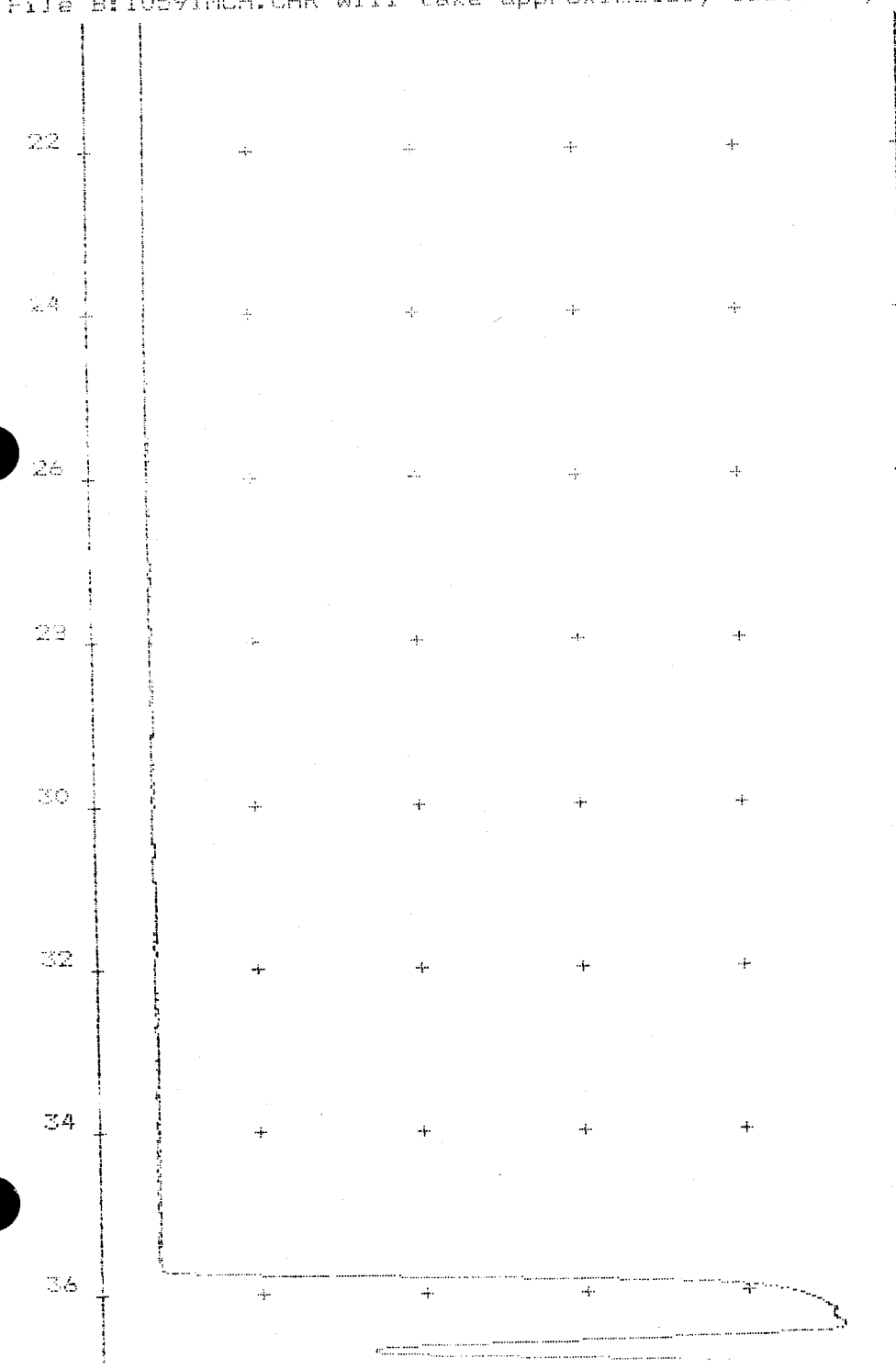
AMENDED DATA



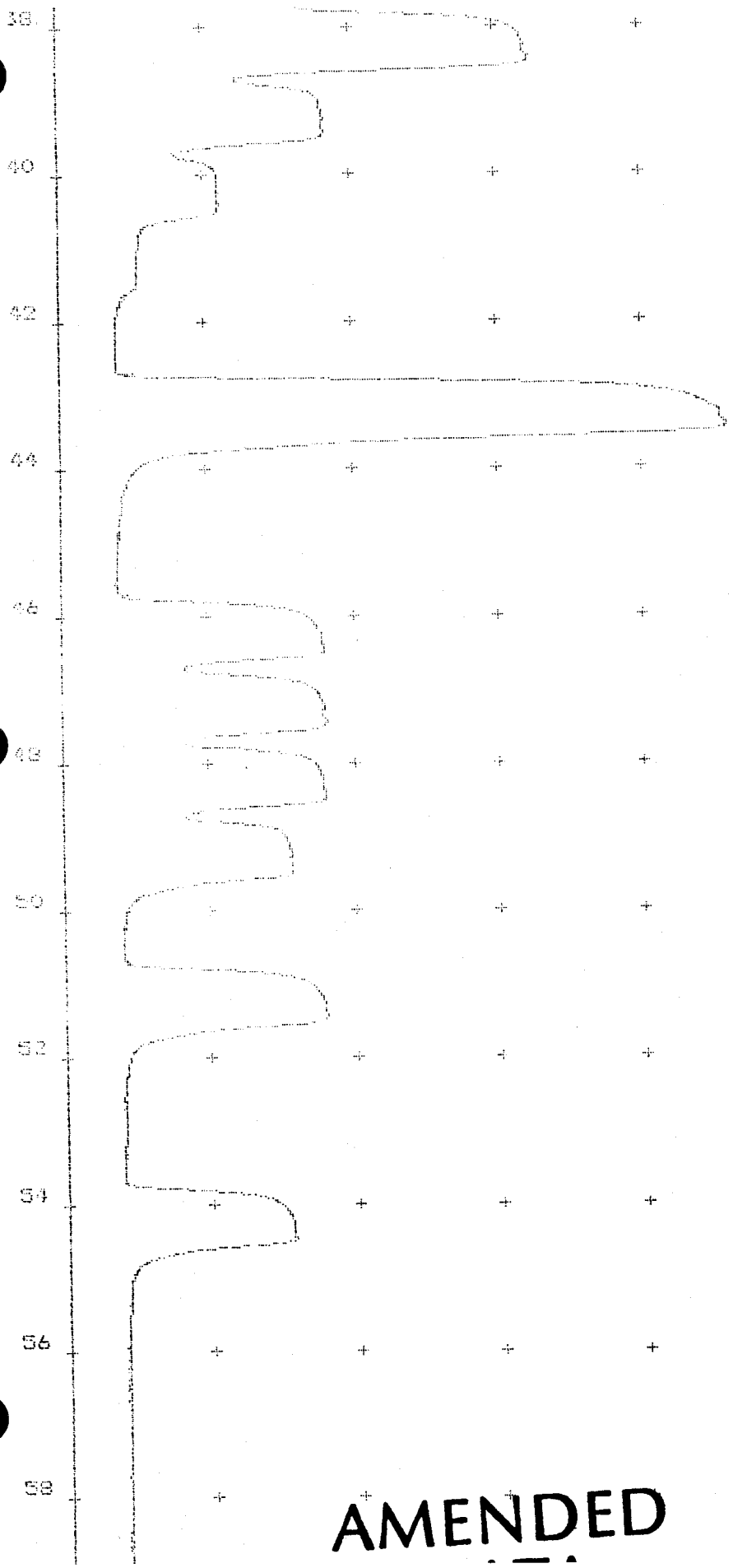
Input Filename: B:10591M.INP
Time: 10:40; Date: 07-18-95
Operator: M. CHAMP

Comment: CYANIDE ANALYSIS

There are 201600 (bytes) free on disk.
File B:10591MCH.CHR will take approximately 15500 (bytes).

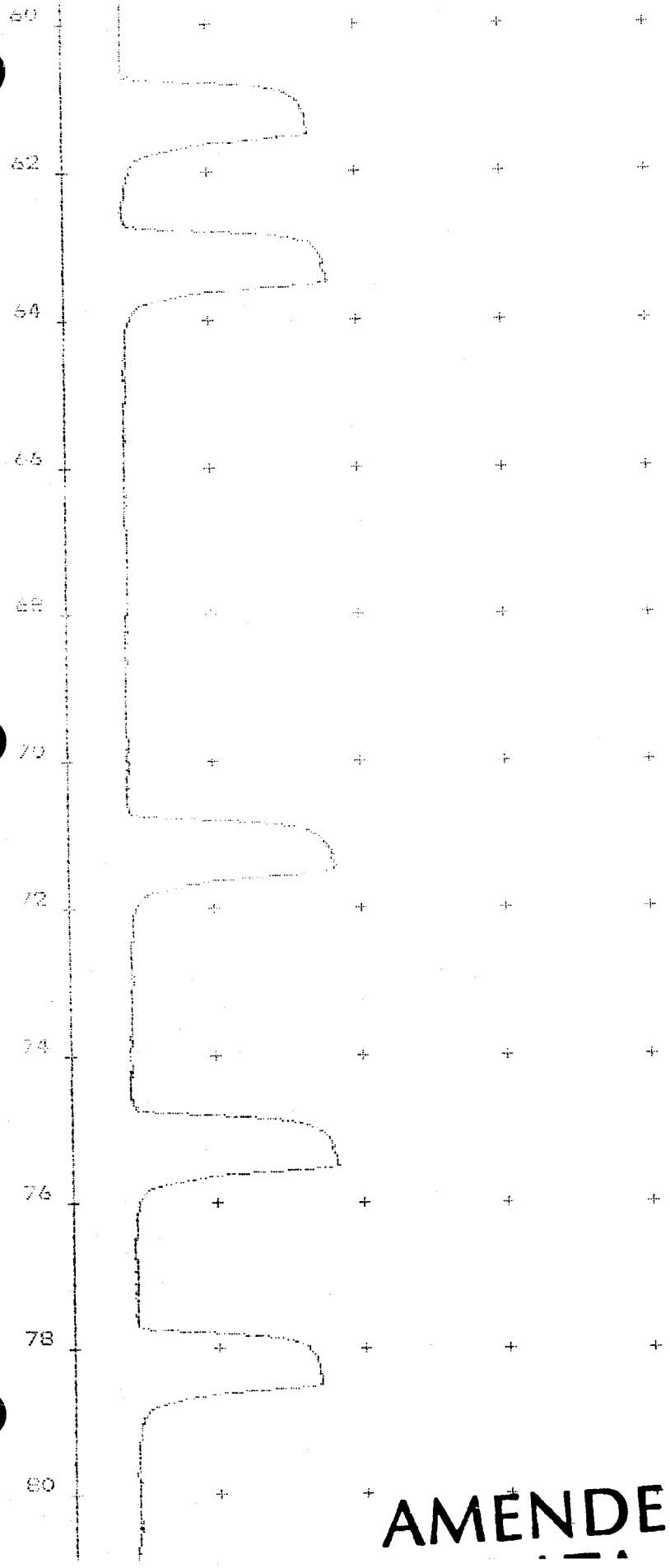


AMENDEI
DATA



PK	3 CP	2 typ C	
PK	4 CP	3 typ C	
PK	5 CP	4 typ C	
PK	6 CP	5 typ C	
PK	7 CP	6 typ C	-0.5978M
Corr Coeff(R) =			0.9999
PK	8 CP	1 typ H	297.7
PK	9 CP	6 typ L	2.174M
PK	10 CP	6 typ L	-0.2513M
PK	11 CP	3 typ I	100.2
PK	12 CP	3 typ I	100.6
PK	13 CP	3 typ I	100.0
PK	14 CP	7 typ S	83.99
PK	15 CP	8 typ S	0.7883M
PK	16 CP	9 typ S	99.63
PK	17 CP	10 typ S	1.048M
PK	18 CP	11 typ S	-0.1647M
PK	19 CP	12 typ S	82.83
PK	20 CP	13 typ S	1.395M
PK	21 CP	14 typ S	0.7016
PK	22 CP	15 typ S	1.221
PK	23 CP	16 typ S	0.6150

AMENDED



PK 25 CP 18 typ S 1.221

PK 26 CP 19 typ S 91.58

PK 27 CP 20 typ S 1.221M

PK 28 CP 9 typ S 100.5

PK 29 CP 10 typ S 1.481M

PK 30 CP 21 typ S 1.308M

PK 31 CP 22 typ S 1.481

PK 32 CP 23 typ S 2.348

PK 33 CP 24 typ S 1.395

PK 34 CP 25 typ S 1.048

PK 35 CP 26 typ S 1.568

PK 36 CP 27 typ S 101.7

PK 37 CP 28 typ S 2.694M

PK 38 CP 29 typ S 2.434M

PK 39 CP 30 typ S 1.568

PK 40 CP 9 typ S 101.8

PK 41 CP 10 typ S 2.781M

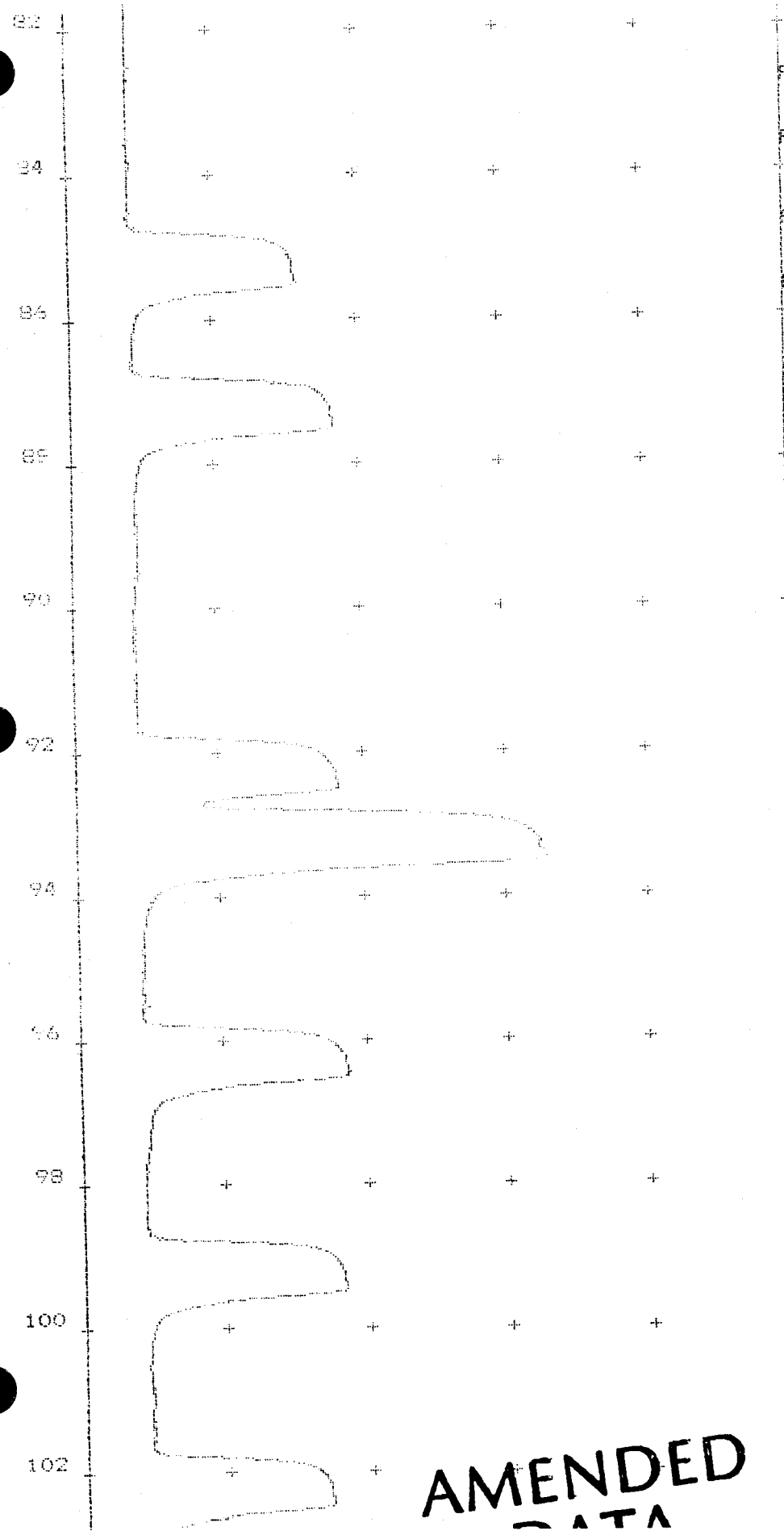
PK 42 CP 31 typ S 2.954

PK 43 CP 32 typ S 93.13

PK 44 CP 33 typ S 3.397M

PK 45 CP 34 typ S 3.820

AMENDED



PK 47 CP 36 typ S 2.261M

PK 48 CP 37 typ S 2.261

PK 49 CP 38 typ S 2.434

PK 50 CP 39 typ S 84.73

PK 51 CP 40 typ S 3.397M

PK 52 CP 9 typ S 102.4

PK 53 CP 10 typ S 3.560M

PK 54 CP 41 typ S 4.427

PK 55 CP 42 typ S 2.761M

PK 56 CP 43 typ S 3.127

PK 57 CP 44 typ S 102.1

PK 58 CP 45 typ S 205.1

PK 59 CP 46 typ S 4.946M

PK 60 CP 47 typ S 3.820M

PK 61 CP 48 typ S 105.3

PK 62 CP 49 typ S 5.033M

PK 63 CP 50 typ S 3.387

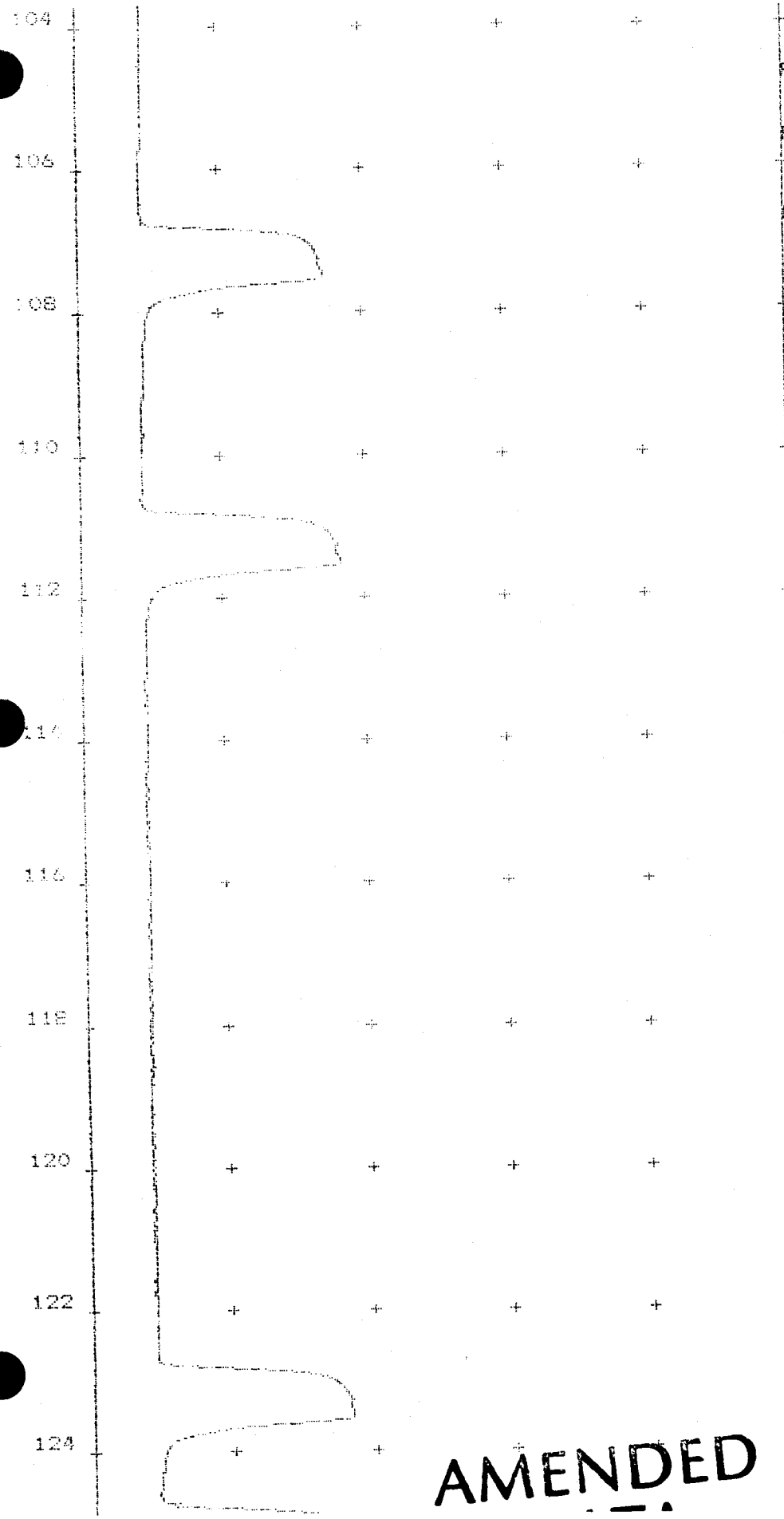
PK 64 CP 9 typ S 102.9

PK 65 CP 10 typ S 4.253M

PK 66 CP 51 typ S 5.293

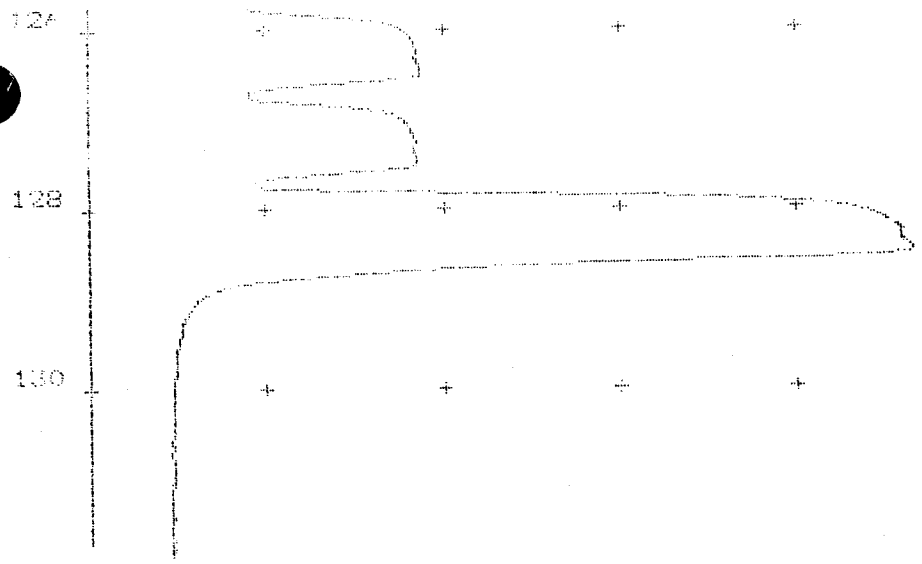
PK 67 CP 52 typ S 94.17

AMENDED DATA



PK 69 CP 54 typ S 4.513M
PK 70 CP 55 typ S 4.513
PK 71 CP 56 typ S 3.734
PK 72 CP 57 typ S 94.87
PK 73 CP 58 typ S 4.773M
PK 74 CP 59 typ S 3.301M
PK 75 CP 60 typ S 3.127M
PK 76 CP 9 typ S 102.3
PK 77 CP 10 typ S 4.773M
PK 78 CP 61 typ S 4.167M
PK 79 CP 62 typ S 4.313M
PK 80 CP 63 typ S 4.167
PK 81 CP 64 typ S 4.197M
PK 82 CP 65 typ S 3.907M
PK 83 CP 66 typ S 4.080
PK 84 CP 67 typ S 3.820
PK 85 CP 68 typ S 3.994
PK 86 CP 69 typ S 4.080
PK 87 CP 70 typ S 4.340
PK 88 CP 9 typ S 102.8
PK 89 CP 10 typ S 5.639M

AMENDED



PK	91 CP	3 typ I	104.6
PK	92 CP	3 typ I	104.0
PK	93 CP	1 typ B	301.5
Last base			378

Time: 10:40: Date: 07-18-96
Operator: M. CHAMP

Comments: CYANIDE ANALYSIS

Channels	1
Base:	30
Gain:	5/

PK	CUP	TYP	SAMPLE ID	CYANIDE
				ug/l
	Init Base Conc.			296 -1.605
1	1	P	1.0000 N	300.3
	Rel Abs			0.19
2	1	C	1.0000 N	298.3
3	2	C	1.0000 N	201.7
4	3	C	1.0000 N	101.5
5	4	C	1.0000 N	50.27
6	5	C	1.0000 N	10.43
7	6	C	1.0000 N	-0.5678
8	1	H	1.0000 N	300.1
9	6	L	1.0000 N	-0.2364
10	6	L	1.0000 N	-0.3725
11	3	I	1.0000 N	100.9
12	3	I	1.0000 N	100.4
13	3	I	1.0000 N	99.70
14	7	S	1.0000 N	83.48
15	8	S	1.0000 N	-0.3532
16	9	S	1.0000 N	100.0
17	10	S	1.0000 N	-0.3653
18	11	S	1.0000 N	-0.8673
19	12	S	1.0000 N	82.84
20	13	S	1.0000 N	-0.1016
21	14	S	1.0000 N	-0.2175
22	15	S	1.0000 N	0.2390
23	16	S	1.0000 N	-0.4515
24	17	S	1.0000 N	-0.6081
25	18	S	1.0000 N	0.01964
26	19	S	1.0000 N	91.22

AMENDED DATA

29	10	S	1.0000	N	-0.8227
30	21	S	1.0000	N	-0.2714
31	22	S	1.0000	N	-0.1669
32	23	S	1.0000	N	0.6315
33	24	S	1.0000	N	-0.4130
34	25	S	1.0000	N	-0.8298
35	26	S	1.0000	N	-0.3754
36	27	S	1.0000	N	100.9
37	28	S	1.0000	N	-0.1990
38	29	S	1.0000	N	0.2655
39	30	S	1.0000	N	-0.6832
40	9	S	1.0000	N	100.7
41	10	S	1.0000	N	-0.4085
42	31	S	1.0000	N	0.4947
43	32	S	1.0000	N	91.73
44	33	S	1.0000	N	0.05320
45	34	S	1.0000	N	1.145
46	35	S	1.0000	N	-0.1611
47	36	S	1.0000	N	-0.5764
48	37	S	1.0000	N	-0.6479
49	38	S	1.0000	N	-0.5466
50	39	S	1.0000	N	82.78
51	40	S	1.0000	N	-0.3980
52	9	S	1.0000	N	100.6
53	10	S	1.0000	N	-0.5142
54	41	S	1.0000	N	1.092
55	42	S	1.0000	N	-0.6385
56	43	S	1.0000	N	-0.3681
57	44	S	1.0000	N	100.0
58	45	S	1.0000	N	203.0
59	46	S	1.0000	N	-0.3671
60	47	S	1.0000	N	0.02029
61	48	S	1.0000	N	103.0
62	49	S	1.0000	N	0.2874
63	50	S	1.0000	N	-0.6430
64	9	S	1.0000	N	100.4
65	10	S	1.0000	N	-0.7074
66	51	S	1.0000	N	1.075
67	52	S	1.0000	N	91.27
68	53	S	1.0000	N	1.516
69	54	S	1.0000	N	0.04172
70	55	S	1.0000	N	-0.01575
71	56	S	1.0000	N	-0.8824
72	57	S	1.0000	N	91.67
73	58	S	1.0000	N	-0.7095
74	59	S	1.0000	N	-1.548
75	60	S	1.0000	N	-1.787
76	9	S	1.0000	N	99.00
77	10	S	1.0000	N	-1.068
78	61	S	1.0000	N	-0.9659
79	62	S	1.0000	N	-0.6831
80	63	S	1.0000	N	-1.113
81	64	S	1.0000	N	-0.6559
82	65	S	1.0000	N	-1.528
83	66	S	1.0000	N	-1.420
84	67	S	1.0000	N	-1.761
85	68	S	1.0000	N	-1.657
86	69	S	1.0000	N	-1.645
87	70	S	1.0000	N	-1.456
88	9	S	1.0000	N	98.69
89	10	S	1.0000	N	-1.086
90	3	I	1.0000	N	100.2
91	3	I	1.0000	N	99.54
92	3	I	1.0000	N	98.86

AMENDED DATA

Cont.

Air correction made for analysis 1
Base drift correction made
Carryover correction made

Sample statistics

Anal level	cups	avg	std dev	cv
1 all	76	23.62	45.3	192%

ISS statistics

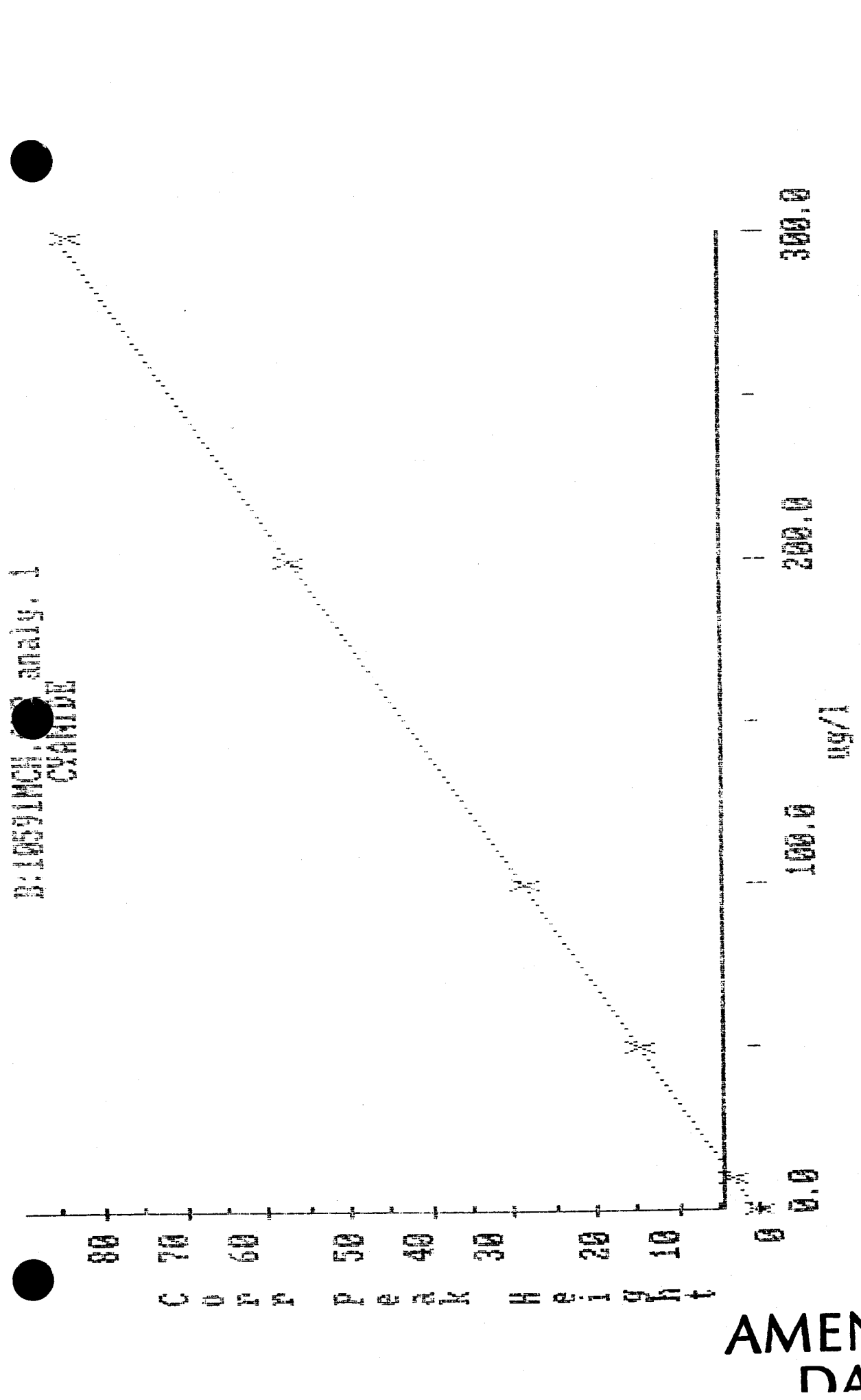
Anal level	cups	avg	std dev	cv
1 all	6	99.94	0.718	0.72%

Anal 1: linear fit
Correlation coefficient (R) 0.9999
Carryover factors: 0.80%. 0.00%.

Chart saved to file B:10591NOH.CHR.

Text file B:10591NOH.TXT has been saved to disk.

AMENDED
DATA



AMENDED DATA

CYANIDE ANALYSIS LOG

OPERATOR: MWChamp

DATE: 7-18-95

METHOD (CIRCLE ONE.): (EPA 335.3) OR SW-846 9012

PAGE 1 OF 2

FILENAME: 10591MCH

CASE NAME: 10591m, 10592m, MAGX23, MDK620, MET238

#	Sample ID	Comments	#	Sample ID	Comments
1	300		9	CCV	
2	200		10	CCB	
3	100		21	739945	
4	50		22	739946	
5	10		23	739950	
6	0		24	739978	
7	ICV		25	BLK	
8	ICB		26	740170	PBW
9	CCV		27	739904	LCSW
10	CCB		28	739915	
11	740169	PBW	29	739922	
12	739953	LCSW	30	BLK	
13	739942		9	CCV	
14	739944		10	CCB	
15	739955		31	739903	D(739915)
16	739956		32	739902	S(739915)
17	739957		33	739890	
18	739952	D(739942)	24	739893	
19	739951	S(739942)	35	739901	
20	BLK		36	739908	

(1) ICV Solutions: T = 90 ppb

(2) CCV Solutions: T = 100 ppb

Instrument Hours:

Production Samples:

QC Samples:

Reviewed by: D. M

Date: 7-18-95

AMENDED

CYANIDE ANALYSIS LOG

OPERATOR: cont

DATE: 7-18-95

METHOD (CIRCLE ONE.): EPA 335.3 OR SW-846 9012

PAGE 2 OF 2

FILENAME: Same

CASE NAME: Same

#	Sample ID	Comments	#	Sample ID	Comments
37	BLK		53	739160	
38	740176	PBW	54	739164	
39	740177	LCSW	55	739166	
40	BLK		56	123123	
9	CCV		57	123123	
10	CCB		58	123123	
41	734897		59	123123	
42	BLK		60	123123	
43	740174	PBW	9	CCV	
44	739104	LCSW	10	CCB	
45	739098		61	123123	
46	BLK		62	123123	
47	740171	PBS	63	123123	
48	739163	LCSS	64	123123	
49	739165		65	123123	
50	BLK		66	123123	
9	CCV		67	123123	
10	CCB		68	123123	
51	739162	D	69	123123	
52	739161	S	70	123123	
			9	CCV	
			10	CCB	

(1) ICV Solutions:

(2) CCV Solutions:

Instrument Hours:

Production Samples:

QC Samples:

Reviewed by: D. K

Date: 7-18-95

AMENDED DATA

Standards/QC Preparation for Automated TrAAcs 800 Cyanide

Item to be prepared	Preparation Instructions	Prepared by	Date
Cyanide stock solution A (1000 ppm)	Place in a 1000-ml volumetric flask: 2.5026 g of dried KCn (Fisher, Ref#: 7m2-161-16) 2.0 g of KOH (Fisher, Ref#: 7m2-158-16) Dilute to the mark with deionized water. Place solution in a Teflon bottle.	GB	11-1-94
Cyanide stock solution B (10 ppm)	Place in a 250-ml volumetric flask: 2.5 ml of stock solution A 50.0 ml of 1.25 N NaOH (Fisher, Ref#: 7m2-192-16) Dilute to the mark with deionized water.	MWC	7-10-95
Cyanide standard (300 ppb)	Place in a 100-ml volumetric flask: 20.0 ml of 1.25 N NaOH (Fisher) Pipet 3.0 ml of 10-ppm cyanide stock solution B into the flask. Dilute to 100 ml with deionized water. Place solution in a Teflon bottle.	MWC	7-18-95
Cyanide standard (200 ppb)	Place into a 100-ml volumetric flask: 20.0 ml of 1.25 N NaOH (Fisher) Pipet 2.0 ml of 10-ppm cyanide stock solution B into the flask. Dilute to 100 ml with deionized water. Place solution in a Teflon bottle.		
Cyanide standard (100 ppb)	Place into a 100-ml volumetric flask: 20.0 ml of 1.25 N NaOH (Fisher) Pipet 1.0 ml of 10-ppm cyanide stock solution B into the flask. Dilute to 100 ml with deionized water. Place solution in a Teflon bottle.		
Cyanide standard (50 ppb)	Place into a 1000-ml volumetric flask: 20.0 ml of 1.25 N NaOH (Fisher) Pipet 0.5 ml of 10-ppm cyanide stock solution B into the flask. Dilute to 100 ml with deionized water. Place solution in a Teflon bottle.		
Cyanide standard (10 ppb)	Place into a 1000-ml volumetric flask: 20.0 ml of 1.25 N NaOH (Fisher) Pipet 0.1 ml of 10-ppm cyanide stock solution B into the flask. Dilute to 100 ml with deionized water. Place solution in a Teflon bottle.	MWC	7-18-95
Standard blank (0.5, 1.0, 3.0, 5.0, 10.0)	Pipet into 100-ml volumetric flask: 20.0 ml of 1.25 N NaOH (Fisher) Dilute to 100 ml with deionized water. Place in a Teflon bottle.		

Reviewed by: D. [illegible] Date: 7-18-95

AMENDED

AMENDED

Standards/QC Preparation for Automated TrAAcs 800 Cyanide

Item to be prepared	Preparation instructions	Prepared by	Date
Chloramine-T	Dissolve (by swirling) in a 500-ml volumetric flask containing 400 ml of deionized water: 2.0 g of Chloramine-T (Ref#: 7m2-193-9) Bring to volume with deionized water, and mix until homogeneous. For reference only; the pH of this solution should be 8.9 ± 0.2.	MWC	7-18-95
Pyridine barbituric acid	Into a 500-ml volumetric flask add 7.5 g of barbituric acid (Ref#: 7m2-189-9). Wash walls of the flask with approximately 100 ml of deionized water, swirling the flask to wet all of the barbituric acid. Next, using a 100-ml graduated cylinder, add 37.5 ml of pyridine (Ref#: 7m2-189-11) Place a magnetic stirring bar in the solution and begin mixing. While mixing, use a pipet to add 7.5 ml of concentrated hydrochloric acid and continue mixing until the contents of the flask have dissolved. Bring to volume with deionized water and mix until homogeneous. For reference only; the pH of this should be 5.6 ± 0.2.	MWC	7-18-95
Phosphate buffer	Place in a 1000-ml volumetric flask containing 800 ml of deionized water: 68.0 g of KH_2PO_4 (Ref#: 7m2-185-10) 1.4 g of Na_2HPO_4 (Ref#: 7m2-187-2) Mix vigorously until the salts have dissolved. Bring to volume and continue to mix until homogeneous. Transfer the contents of the container and add 1.0 ml of Brij-35, 30% solution. Again, mix until homogeneous.	JDH	6-2-95
ICV-5 Solution	Ref # (7m2-187-8)	S.A.	7-17-95

Reviewed by: D. MC Date: 7-18-95

Metals Preparation Log

Method (Circle one.) (CLP) SW846: 3005 (dissolved) 3050 Prepared by mwchamp Date 7-17-95

Case type: Plat. SDG No. 1059IM Procedure Code – 62

	CCN (Lab ID)	Customer ID	Date Rec'd	Initial Plasma (wt/vol)	Final Plasma (vol)	Initial Furnace (wt/vol)	Final Furnace (vol)	Description Before	Description After	pH	Dilution Factor
	739942	mw-1	7-13-95	100ml	100ml			colorless clear	colorless	L2	NA
	739944	mw-1SD						colorless clear			
	739945	mw-6						yellow clear			
	739946	mw-3						colorless clear			
	739950	mw-8						yellow clear			
	739954	mw-13						colorless clear			
	739955	mw-11									
	739956	mw-10									
	739957	mw-17									
10	739958	mw-15									
11	739959	mw-14						colorless clear	colorless	L2	NA
12	739978	TRIPBLK1	7-13-95	100ml	100ml						
13											
14											
15											
16											
17											
18											
19											
20											
21	Sample Spike: 739947	QC	NA	100ml	100ml						
22	Duplicate Sample 739948	F Refs									
23	Lab Ctrl Sample: 739949	QC									
24	Prep. Blank 740165	F Refs		100ml	100ml						

mwc 7-17-95

mwc 7-17-95

mwc 7-17-95

AMENDED DATA

REF CCN:(739942)

REF CCN:(739942)

Reviewed By: Chilson

Date: 7-17-95 Time:

QC SS 1.0ml XCL19 → 100ml
P7m2-181-4
Ref#:

QC LCS 10.0ml PEPWE → 100
P
Ref#: 7m2-194-7

388

prep4 prep5

Metals Preparation Log

Method (Circle one.) CLP SW846: 3005 (dissolved) 3050 Prepared by Ken Higgins Date 9/14/95

Case type: PLAT SDG No. 1059/M Procedure Code -62

#	CCN (Lab ID) KH 9/14/95	Customer ID Date Rec'd	Date Rec'd KH 9/14/95 Cust. ID	Initial Plasma (wt/vol)	Final Plasma (vol)	Initial Furnace (wt/vol)	Final Furnace (vol)	Description Before	Description After	pH	Dilution Factor
1	739 942	07/~~14~~ 13/95	MW-1	50ml	50ml	50ml	50ml	colorless clear	colorless clear	<2	NA
2	739 944	GD 9/18/95	MW-1SD	100ml	100ml	100ml	100ml				
3	739 945		MW-6								
4	739 946		MW-3					yellow clear	yellow clear		
5	739 950		MW-8					colorless clear	colorless clear		
6	739 955		MW-11								
7	739 956		MW-10								
8	739 957		MW-17								
9	739 959		MW-1A								
10	739 978		TRIPBLK1 ~~MW~~ KH 9/14/95								
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
* 21	Sample Spike: 739947		QC 0.5ml XCL23 SS → 50ml	50ml	50ml	50ml	50ml	REF CCN: (739942)		QC 0.5ml XCL19 → 50ml SS	
* 22	Duplicate Sample 739948		F 7M2-198-5 Refs					REF CCN: (739942)		P 7M2-190-2 Ref#:	
23	Lab Ctrl Sample: 755111		LCS 1.0ml XCL24 QC → 100ml	100ml	100ml	100ml	100ml	Reviewed By: [signature]		QC 10.0ml PE Pure → 100 LCS	
24	Prep. Blank 755113		F 7M2-190-3 Refs					Date: 9-14-95 Time: 8:00am		P 7M2-196-9 Ref#:	

AMENDED DATA

[signature] 9/14/95

* volume 1/2 ed due to sample shortage

SS 0.05ml Sn → 50ml

LCS 0.10ml Sn → 100ml

389

prep

Mercury Preparation Log

Date 7-17-95

Method (Circle one.) CLP 245.1/.5 SW846: 7470/7471 Prepared by MW Champ

Case type: Plat. SDG ID. 10591m Procedure Code ~~02~~ 74 MWC 7-17-95

	CCN (Lab ID)	Customer ID	Date Rec'd	Initial (wt/vol)	Final (vol)	Description Before	Description After	pH	Dilution Factor
	739942	mw-1	7-13-95	100ml	100ml	colorless clear	violet	<2	NA
	739944	~~mw-15D~~ mw-15D MWC 7-17-95				↓ colorless clear			
	739945	mw-6				yellow clear			
	739946	mw-3				colorless clear			
	739950	mw-8				yellow clear			
	739954	mw-13				colorless clear			
	739955	mw-11							
	739956	mw-10							
	739957	mw-17							
10	739958	mw 15							
11	739959	mw-14	↓	↓	↓	↓	↓	↓	↓
12	739978	TRIPBLK1	7-13-95	100ml	100ml	colorless clear	violet	<2	NA
13									
14									
15									
16									
17									
18									
19									
20									
21	739947		Sample Spike	100ml	100ml				
22	739948		Duplicate Sample	↓	↓				
23	739949	MWC 7-17-95	Lab Ctrl Sample	↓	↓	MWC 7-17-95			
24	740165		Prep. Blank	100ml	100ml				

Ref CCN: (739942)

Ref CCN: (739942)

Reviewed by: Lynn Leathers

Date: 7/17/95

Standard Curve

0 ml 100 ppb Hg to 100 ml

0.5 ml 100 ppb Hg to 100 ml

1.0 ml 100 ppb Hg to 100 ml

3.0 ml 100 ppb Hg to 100 ml

5.0 ml 100 ppb Hg to 100 ml

10.0 ml 100 ppb to 100 ml

ICV-5:

1.0 ml of ICV-5 to 100 ml

The standards listed above were prepared in the same manner and at the same time as the associated samples.

Time started: 1200

Time finished: 1400

Temperature of water bath:

95 °C

AMENDED DATA

QC (SS): 1.0ml 100ppb Hg → 100ml

Ref#: 7m2-180-5

QC (LCS): 3.0m 100 ppb Hg → 100ml

Ref#: 7m2-180-5

390

prep 3

Cyanide Preparation Log

Method (circle one): (CLP 335.3) SW-846: 9012 Case type: PLAT SDG ID: 10591M Procedure code: -72

Prepared by: S. Adeyemi Date: 7-17-95

#	CCN (Lab ID)	Date Rec'd	Customer ID	Initial Wt./Vol.	Final Vol.	Description Before	Description After	pH	Dilution Factor
1	739942	7-13-95	MW-1	250mL	250mL	Colorless	Colorless	>12	NA
2	739944	~~7-13-95~~ 7-14-95	~~MW-1SD~~ MW-2	500mL					
3	739945		MW-6						
4	739946		MW-3						
5	739950		MW-8						
6	739955		MW-11						
7	739956		MW-10						
8	739957		MW-17						
9	739978		TRIPBLK1						
10									
11									
12									
13									
14									
15									
16					7-17-95				
17									
18									
19									
20									
21	739951		Sample spike	250mL	250mL	Ref CCN: (739942)			
22	739952		Duplicate	↓	↓	Ref CCN: (739942)			
23	739953	7-17-95	Lab ctrl. sample	500mL	250mL	DI H_2O			
24	740169		Prep. blank	↓	↓	↓			

AMENDED DATA

Time: 8:00 a.m

Reviewed by:

Date: 7-18-95

QC (SS): 2.5mL 10ppm CN⁻ → 25
Ref#: 7M2-161-17

QC (LCS): 2.5mL ICV-6 → 250m
Ref#: 7M2-187-8

7-17-95

3391

CHAIN OF CUSTO[illegible] RECORD

#31059 SDG-1

ry: CompuChem Environmental Corp. 3308 Chapel Hill / Nelson Hwy. Research Triangle Park, NC 27709-4998 (919) 406-1600 FAX (919) 406-1686 Attn: Kathy Dover

'atauga County, NC r. Jim Ratchford P.O. Box 143 loone, NC 28607 (704) 265-8003 Fax:(704) 265-8003	Consultant: Draper Aden Assoc. Attn: Janet M. Cleary 2206 South Main Street Blacksburg, Virginia 24060 Phone: (703) 552-0444 Fax: (703) 552-0291	Sample Site: Watauga County Landfill Location: Watauga County, NC Event: 1st Semi-annual Assessment Monitoring JN: 6520-21 Lab JN:	Project Specific (PS) or Batch (B) QC: PS Sampling for Project Complete? _X_ Yes ___ No (See Note 1) Carrier: Federal Express Tracking No.: HKYA 76

latrix rface Water T. Trip Blank oundwater E. Equipment Blank hate P. Product O. Other	Box 2: Preservative A. HCl E. NaOH B. HNO_3 F. ZnAc C. H_2SO_4 G. Other (specify) D. $Na_2S_2O_3$ H. None	Box 3: Filtered/Unfiltered F. Filtered U. Unfiltered	Box 4: Sample Type C. Composite G. Grab	Copy to Consultant: _X_ Yes ___ No Bill: _X_ Client ___ Consultant Preserved and shipped on ice: _X_ Yes ___ No

ple I.D.	Date 19 95	Time	Box 1 Matrix	Box 2 Preservative	Box 3 Filtered/Unfiltered	Box 4 Sample Type	pH	Use as Lab QC (MS/MSD/SD)	Total No. of Bottles	CLP VOLATILES	CLP TOTAL METALS	CLP 9010A CYANIDE									Special Instructions/Comments
MW- 1A	7/12	0730	GW	B	U	G	<2		1		X										SEE ATTACHED PARAMETER LISTS 1. CLP volatiles collected in 40 ml amber glass bottles. 2. CLP metals and cyanide samples collected in white plastic bottles. 3. Sample are collected from Boundary Wells. These samples will be analyzed for the Form 4 CLP metals (Ba, Cd, Fe, and Hg - totals only). All other samples from MW's 1,2,3,4,6,7,8,9,10,11,12,17, and 1A shall be analyzed for the entire attached Table 2 CLP metals parameters.
~~MW-~~				~~B~~	~~U~~	~~G~~	~~<2~~				~~X~~	JSL									
~~MW-~~				~~B~~	~~U~~	~~G~~	~~<2~~				~~X~~	JSL									
~~MW-~~				~~B~~	~~U~~	~~G~~	~~<2~~				~~X~~	JSL									
~~MW-~~				~~E~~	~~U~~	~~G~~	~~>12~~					~~X~~ JSL									
~~MW-~~				~~B~~	~~U~~	~~G~~	~~<2~~				~~X~~	JSL									
~~MW-~~				~~B~~	~~U~~	~~G~~	~~<2~~				~~X~~	JSL									
BLANK- 1	6/30	0800	T	B	U	G	<2		1		X										cl Rec'd (2) VOAs along with
BLANK- 1	6/30	0800	T	E	U	G	>12		1			X									2 PL samples 7/13/95
																					should be labelled TB-3

AMENDE DATA

ecial Instructions:

7/13/95

ved in Good Condition? ___Yes ___No Custody Seal Intact? ___Yes ___No Temp. on arrival_____ Received on Ice _____ Describe problems, if any:

me (print): Len Dittank	Date: 7-12-95	#1 Relinquished By (Sig.): [signature]	Date: 7/12/95	#2 Relinquished By (Sig.):	Date:	Sample Storage Time Requested:
nature: [signature]	Time: 1300	Company Name: DAA	Time: 1415	Company Name:	Time:	
me (print): JEFF PACK	Date: 7-12-95	#1 Received By (Sig.): Sherri Romanger	Date: 7-12-95	#2 Received By (Sig.): [signature]	Date: 7-13-1995	6mo. (No. Days)
nature: [signature]	Time: 1300	Company Name: Watauga County	Time: 2:15pm	Company Name: Compuchem	Time: 7:45am	

o" lab to hold samples to await remainder of project maximizing batch size and minimizing QC ratio. If "Yes", lab to begin processing.
nail invoice and results to consultant.

RECEIVED IN [illegible] 7/13/95

392

CHAIN OF CUSTO[illegible] RECORD

#31059 SDG-1

y: CompuChem Environmental Corp. 3308 Chapel Hill / Nelson Hwy. Research Triangle Park, NC 27709-4998 (919) 406-1600 FAX (919) 406-1686 Attn: Kathy Dover

atauga County, NC . Jim Ratchford .O. Box 143 oone, NC 28607 704) 265-8003 Fax:(704) 265-8003	Consultant: Draper Aden Assoc. Attn: Janet M. Cleary 2206 South Main Street Blacksburg, Virginia 24060 Phone: (703) 552-0444 Fax: (703) 552-0291	Sample Site: Watauga County Landfill Location: Watauga County, NC Event: 1st Semi-annual Assessment Monitoring JN: 6520-21 Lab JN:	Project Specific (PS) or Batch (B) QC: PS Sampling for Project Complete? _X_ Yes ___ No (See Note 1) Carrier: Federal Express Tracking No.: HKYA76

atrix rface Water T. Trip Blank oundwater E. Equipment Blank ate P. Product O. Other	Box 2: Preservative A. HCl E. NaOH B. HNO_3 F. ZnAc C. H_2SO_4 G. Other (specify) D. $Na_2S_2O_3$ H. None	Box 3: Filtered/Unfiltered F. Filtered U. Unfiltered	Box 4: Sample Type C. Composite G. Grab	Copy to Consultant: _X_ Yes ___ No Bill: _X_ Client ___ Consultant Preserved and shipped on ice: _X_ Yes ___ No

ple I.D.	Date 19 95	Time	Box 1 Matrix	Box 2 Preservative	Box 3 Filtered/Unfiltered	Box 4 Sample Type	pH	Use as Lab QC (MS/MSD/SD)	Total No. of Bottles	CLP VOLATILES	CLP TOTAL METALS	CLP 9010A CYANIDE									Special Instructions/Comments
W-13	7/11	0820	GW	B	U	G	<2		1		X										See Note 3 above.
W-11	7/11	0930	GW	B	U	G	<2		1		X										
W-11	7/11	0930	GW	E	U	G	>12		1			X									
W-10	7/11	1030	GW	B	U	G	<2		1		X										
W-10	7/11	1030	GW	E	U	G	>12		1			X									
W-17	7/11	1220	GW	B	U	G	<2		1		X										
W-17	7/11	1220	GW	E	U	G	>12		1			X									
W-15	7/11	1345	GW	B	U	G	<2		1		X										See Note 3 above.
~~W~~				~~E~~	~~U~~	~~G~~	~~>12~~					~~X~~	gxl								
~~W~~													gxl								

Analytical Method (Assessment)

Special Instructions/Comments: SEE ATTACHED PARAMETER LISTS

1. CLP volatiles collected in 40 ml amber glass bottles.
2. CLP metals and cyanide samples collected in white plastic bottles.
3. Sample are collected from Boundary Wells. These samples will be analyzed for the Form 4 CLP metals (Ba, Cd, Fe, and Hg - totals only). All other samples from MW's 1,2,3,4,6,7,8,9,10,11,12,17, and 1A shall be analyzed for the entire attached Table 2 CLP metals parameters.

AMENDED DATA

cial Instructions:

d in Good Condition? ___Yes ___No Custody Seal Intact? ___Yes ___No Temp. on arrival_____ Received on Ice _____ Describe problems, if any:

ne (print): Len DiIoia	Date: 7-12-95	#1 Relinquished By (Sig.): [signature]	Date: 7-12-95	#2 Relinquished By (Sig.):	Date:	Sample Storage Time Requested:
ature: [signature]	Time: 1300	Company Name: DAA	Time: 1415	Company Name:	Time:	
ne (print): JEFF PACK	Date: 7-12-95	#1 Received By (Sig.): Sherry Tommye	Date: 7-12-95	#2 Received By (Sig.): [signature]	Date: 7-13-95	6 mo. ~~(No. Days)~~
ature: [signature]	Time: 1300	Company Name Watauga County	Time: 2:15 pm	Company Name Compuchem	Time: 7:45	

" lab to hold samples to await remainder of project maximizing batch size and minimizing QC ratio. If "Yes", lab to begin processing.
ail invoice and results to consultant.

RECEIVED IN GOOD CONDITION on 7/13/95

393

CHAIN OF CUSTODY RECORD

31059

SDG-1

y: CompuChem Environmental Corp. 3308 Chapel Hill / Nelson Hwy. Research Triangle Park, NC 27709-4998 (919) 406-1600 FAX (919) 406-1686 Attn: Kathy Dover

atauga County, NC . Jim Ratchford '.O. Box 143 oone, NC 28607 704) 265-8003 Fax:(704) 265-8003	Consultant: Draper Aden Assoc. Attn: Janet M. Cleary 2206 South Main Street Blacksburg, Virginia 24060 Phone: (703) 552-0444 Fax: (703) 552-0291	Sample Site: Watauga County Landfill Location: Watauga County, NC Event: 1st Semi-annual Assessment Monitoring JN: 6520-21 Lab JN:	Project Specific (PS) or Batch (B) QC: PS Sampling for Project Complete? _X_ Yes ___ No (See Note 1) Carrier: Federal Express Tracking No.: HKYA76

atrix rface Water oundwater ıate	T. Trip Blank E. Equipment Blank P. Product O. Other	Box 2: Preservative A. HCl B. HNO_3 C. H_2SO_4 D. $Na_2S_2O_3$ E. NaOH F. ZnAc G. Other (specify) H. None	Box 3: Filtered/Unfiltered F. Filtered U. Unfiltered	Box 4: Sample Type C. Composite G. Grab	Copy to Consultant: _X_ Yes ___ No Bill: _X_ Client ___ Consultant Preserved and shipped on ice: _X_ Yes ___ No

ple I.D.	Date 19 95	Time	Box 1 Matrix	Box 2 Preservative	Box 3 Filtered/Unfiltered	Box 4 Sample Type	pH	Use as Lab QC (MS/MSD/SD)	Total No. of Bottles	Analytical Method (Assessment): CLP VOLATILES	CLP TOTAL METALS	CLP 9010A CYANIDE	Special Instructions/Comments
W-1	7/10	1230	GW	B	U	G	<2		1		X		SEE ATTACHED PARAMETER LISTS 4°C
W-1	7/10	1230	GW	E	U	G	>12		1			X	1. CLP volatiles collected in 40 ml amber glass bottles.
MS/SD	7/10	1230	GW	B	U	G	<2	X	1		X		2. CLP metals and cyanide samples collected in white plastic bottles.
MS/SD	7/10	1230	GW	E	U	G	>12	X	1			X	3. Samples are collected from Boundary Wells. These samples will be analyzed for the Form 4 CLP metals (Ba, Cd, Fe, and Hg - totals only). All other samples from MW's 1,2,3,4,6,7,8,9,10,11,12,17, and 1A shall be analyzed for the entire attached Table 2 CLP metals parameters.
W-6	7/10	1430	GW	B	U	G	<2		1		X		* also do a sample dup (ID: MW45
W-6	7/10	1430	GW	E	U	G	>12		1			X	CBM 7/13/95
W-3	7/10	1530	GW	B	U	G	<2		1		X		
W-3	7/10	1530	GW	E	U	G	>12		1			X	
W-8	7/10	1645	GW	B	U	G	<2		1		X		
W-8	7/10	1645	GW	E	U	G	>12		1			X	

AMENDED DATA

ecial Instructions:

ed in Good Condition? ___Yes ___No Custody Seal Intact? ___Yes ___No Temp. on arrival_____ Received on Ice _____ Describe problems, if any:

me (print): Leon DeToole	Date: 7.12.95	#1 Relinquished By (Sig.):	Date: 7-12-95	#2 Relinquished By (Sig.):	Date:	Sample Storage Time Requested:	
ıature:	Time: 1300	Company Name: DAA	Time: 1415	Company Name:	Time:		
me (print): JEFF PACK	Date: 7-12-95	#1 Received By (Sig.):	Date: 7-12-95	#2 Received By (Sig.):	Date: 7/13/95	6 mo. (No. Days)	
ıature:	Time: 1306	Company Name: Watauga County	Time: 2:15pm	Company Name:	Time: 7:45		

RECEIVED IN GOOD CONDITION 7/13/95

" lab to hold samples to await remainder of project maximizing batch size and minimizing QC ratio. If "Yes", lab to begin processing.
ıail invoice and results to consultant.

394