Data Package

Contract Lab Program Data Package
for
DuPont Env. Remediation Svc.

TYPE IV INORGANICS DATA PACKAGE

DuPont Fort Madison GW Monitoring - 1996 Annual
Water Samples
Collected on 09/17/96 - 09/18/96
Sample No. 2583222-2583227, 2583830-2583834

PA Cert. # 36-037
NY Cert. # 10670
NJ Cert. # 77011

Prepared by Audrey McClure

Quality Assurance Review Ann L Doupé

Date 10/9/96

Delivery Date 10/17/96

Lancaster Laboratories
A Thermo Analytical Laboratory

N36819

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Lancaster Laboratories
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Where quality is a science

Sample Reference List for SDG # FMD02 with a Package Type of IV-I

Lab Sample Number	Sample Code	Client Sample Description
2583222	RS5SF	FMN-BRA-5S-DIS Filtered Water Sample
2583223	RS4DF	FMN-BRA-4D-DIS Filtered Water Sample
2583224	4DDPF	FMN-BRA-4D-DIS-DUP Filtered Water Sample
2583225	RA4SF	FMN-BRA-4S-DIS Filtered Water Sample
2583226	RD3DF	FMN-BRA-3D-DIS Unspiked Filtered Water Sample
2583227	RA3SF	FMN-BRA-3S-DIS Filtered Water Sample
2583830	2DDIS	FMN-BRA-2D-DIS Filtered Water Sample
2583831	2SDIS	FMN-BRA-2S-DIS Filtered Water Sample
2583832	1DDIS	FMN-BRA-1D-DIS Filtered Water Sample
2583833	1SDIS	FMN-BRA-1S-DIS Filtered Water Sample
2583834	FB1DS	FMN-BRA-FBLK-1-DIS Filtered Water Sample

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Case Narrative
Conformance/Nonconformance Summary

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

SOW No.: ILM04.0

EPA SAMPLE No.	Lab Sample ID.
1DDIS	2583832
1SDIS	2583833
2DDIS	2583830
2SDIS	2583831
4DDPF	2583224
FB1DS	2583834
RA3SF	2583227
RA4SF	2583225
RD3DF	2583226
RS4DF	2583223
RS5SF	2583222

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 diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Betty L. Umble Name: Betty L. Umble

Date: 10/10/96 Title: Administrator III Inorganic Data Packages

Sample Data

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

1DDIS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583832

Level (low/med): LOW Date Received: 09/19/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	B		F
7440-39-3	Barium	124	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	103000			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	329			P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	31800			P
7439-96-5	Manganese	762			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	1.6	U		P
7440-09-7	Potassium	3130	B		P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	49500			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.44	U		P
7440-66-6	Zinc	9.5	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

1SDIS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583833

Level (low/med): LOW Date Received: 09/19/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	44.7	B		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	74.9	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	166000			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	0.92	U		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	19.0	U		P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	60100			P
7439-96-5	Manganese	6.9	B		P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	1680	B		P
7782-49-2	Selenium	163		SN	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	42000			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.77	B		P
7440-66-6	Zinc	12.0	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2DDIS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583830

Level (low/med): LOW Date Received: 09/19/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	113	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	73300			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	0.92	U		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	207			P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	31500			P
7439-96-5	Manganese	245			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	1.6	U		P
7440-09-7	Potassium	5790			P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	46100	B		P
7440-28-0	Thallium	2.1	B		F
7440-62-2	Vanadium	0.44	U		P
7440-66-6	Zinc	9.2	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2SDIS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583831

Level (low/med): LOW Date Received: 09/19/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.1	B		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	73.4	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	193000			P
7440-47-3	Chromium	1.0	B		P
7440-48-4	Cobalt	0.92	U		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	19.0	U		P
7439-92-1	Lead	0.84	U	S	F
7439-95-4	Magnesium	80100			P
7439-96-5	Manganese	266			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	6340			P
7782-49-2	Selenium	18.4		N	F
7440-22-4	Silver	0.30	B		P
7440-23-5	Sodium	52800			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.69	B		P
7440-66-6	Zinc	10.0	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

4DDPF

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583224

Level (low/med): LOW Date Received: 09/18/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	49.5	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	211000			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	4.5	B		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	33.6	B		P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	84800			P
7439-96-5	Manganese	715			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	5.2	B		P
7440-09-7	Potassium	4060	B		P
7782-49-2	Selenium	0.70	U	WN	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	54300			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.44	U		P
7440-66-6	Zinc	14.2	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB1DS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583834

Level (low/med): LOW Date Received: 09/19/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	1.7	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	17.6	U		P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	0.92	U		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	26.3	B		P
7439-92-1	Lead	0.84	U		F
7439-95-4	Magnesium	19.3	U		P
7439-96-5	Manganese	1.4	B		P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	1.6	U		P
7440-09-7	Potassium	114	B		P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	0.40	B		P
7440-23-5	Sodium	210	B		P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.44	U		P
7440-66-6	Zinc	11.7	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RA3SF

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583227

Level (low/med): LOW Date Received: 09/18/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	145	B		P
7440-36-0	Antimony	9.2	B		P
7440-38-2	Arsenic	3.5	B		F
7440-39-3	Barium	73.0	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	224000			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	0.92	U		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	102			P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	90700			P
7439-96-5	Manganese	197			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	9.9	B		P
7440-09-7	Potassium	2950	B		P
7782-49-2	Selenium	20.2		N	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	54900			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	16.8	B		P

Color Before: COLORLESS_ Clarity Before: CLOUDY____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RA4SF

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583225

Level (low/med): LOW Date Received: 09/18/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	110	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	126000			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	4.5	B		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	19.0	U		P
7439-92-1	Lead	0.84	U		F
7439-95-4	Magnesium	50700			P
7439-96-5	Manganese	675			P
7439-97-6	Mercury	0.047	B		CV
7440-02-0	Nickel	13.3	B		P
7440-09-7	Potassium	2120	B		P
7782-49-2	Selenium	0.70	U	N	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	36300			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	1.1	B		P
7440-66-6	Zinc	11.2	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RD3DF

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583226

Level (low/med): LOW Date Received: 09/18/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.9	B		F
7440-39-3	Barium	153	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	69400			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	28.4	B		P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	28800			P
7439-96-5	Manganese	791			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	2960	B		P
7782-49-2	Selenium	0.70	U	WN	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	49100	B		P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.87	B		P
7440-66-6	Zinc	11.8	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RS4DF

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583223

Level (low/med): LOW Date Received: 09/18/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	40.2	B		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	50.7	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	210000			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	117			P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	84100			P
7439-96-5	Manganese	733			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	5.4	B		P
7440-09-7	Potassium	4260	B		P
7782-49-2	Selenium	15.8		N	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	59500			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.67	B		P
7440-66-6	Zinc	10.0	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

DUP050307257

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1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RS5SF

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Matrix (soil/water): WATER Lab Sample ID: 2583222

Level (low/med): LOW Date Received: 09/18/96

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	U		P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	1.3	U		F
7440-39-3	Barium	28.3	B		P
7440-41-7	Beryllium	0.99	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	289000			P
7440-47-3	Chromium	0.86	U		P
7440-48-4	Cobalt	0.97	B		P
7440-50-8	Copper	0.98	U		P
7439-89-6	Iron	19.0	U		P
7439-92-1	Lead	0.84	U	W	F
7439-95-4	Magnesium	99600			P
7439-96-5	Manganese	347			P
7439-97-6	Mercury	0.0090	U		CV
7440-02-0	Nickel	9.4	B		P
7440-09-7	Potassium	3650	B		P
7782-49-2	Selenium	0.70	U	WN	F
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	46100			P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	0.62	B		P
7440-66-6	Zinc	8.9	B		P

Color Before: COLORLESS_ Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS_ Clarity After: CLEAR_____ Artifacts: _____

Comments:

Quality Control Data

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Initial Calibration Source: LLI_____

Continuing Calibration Source: LLI_____

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
Aluminum	30000.0	30147.18	100.5	25000.0	25441.28	101.8	25702.91	102.8	P
Antimony	600.0	588.92	98.2	500.0	471.18	94.2	481.68	96.3	P
Arsenic	50.0	53.47	106.9	40.0	42.39	106.0	41.90	104.8	F
Barium	600.0	602.03	100.3	500.0	489.93	98.0	494.46	98.9	P
Beryllium	600.0	614.65	102.4	500.0	498.53	99.7	519.89	104.0	P
Cadmium	600.0	632.31	105.4	500.0	510.41	102.1	513.69	102.7	P
Calcium	30000.0	29493.75	98.3	25000.0	25060.71	100.2	25171.61	100.7	P
Chromium	600.0	602.67	100.4	500.0	495.13	99.0	516.60	103.3	P
Cobalt	600.0	596.18	99.4	500.0	488.93	97.8	506.67	101.3	P
Copper	600.0	615.39	102.6	500.0	501.61	100.3	505.91	101.2	P
Iron	30000.0	29795.76	99.3	25000.0	25039.39	100.2	26158.78	104.6	P
Lead	20.0	19.93	99.6	25.0	23.92	95.7	24.99	100.0	F
Magnesium	30000.0	30024.36	100.1	25000.0	25191.80	100.8	25887.75	103.6	P
Manganese	600.0	596.42	99.4	500.0	493.10	98.6	510.56	102.1	P
Mercury	2.0	2.04	102.0	1.0	1.04	104.0	1.05	105.0	CV
Nickel	600.0	595.57	99.3	500.0	492.08	98.4	509.41	101.9	P
Potassium	30000.0	30379.39	101.3	25000.0	26338.93	105.4	26186.62	104.7	P
Selenium	20.0	19.22	96.1	25.0	24.24	97.0	22.82	91.3	F
Silver	600.0	606.33	101.1	500.0	493.83	98.8	506.49	101.3	P
Sodium	30000.0	30599.42	102.0	25000.0	25979.78	103.9	25986.76	103.9	P
Thallium	50.0	49.34	98.7	40.0	41.00	102.5	44.00	110.0	F
Vanadium	600.0	602.86	100.5	500.0	500.91	100.2	517.59	103.5	P
Zinc	600.0	579.86	96.6	500.0	485.78	97.2	514.54	102.9	P

(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: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Initial Calibration Source: LLI_____

Continuing Calibration Source: LLI_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				25000.0	26142.43	104.6			P
Antimony				500.0	497.65	99.5			P
Arsenic				40.0	41.77	104.4	42.63	106.6	F
Barium				500.0	503.25	100.6			P
Beryllium				500.0	535.24	107.0			P
Cadmium				500.0	516.20	103.2	534.86	107.0	P
Calcium				25000.0	25314.66	101.3	26243.89	105.0	P
Chromium				500.0	531.37	106.3			P
Cobalt				500.0	520.70	104.1			P
Copper				500.0	513.46	102.7			P
Iron				25000.0	26819.42	107.3			P
Lead				25.0	26.02	104.1	26.16	104.6	F
Magnesium				25000.0	26440.93	105.8			P
Manganese				500.0	525.10	105.0			P
Mercury				1.0	0.97	97.0	1.03	103.0	CV
Nickel				500.0	526.00	105.2			P
Potassium				25000.0	26405.22	105.6			P
Selenium	20.0	18.54	92.7	25.0	24.37	97.5	23.48	93.9	F
Silver				500.0	516.08	103.2			P
Sodium				25000.0	26327.98	105.3			P
Thallium				40.0	42.30	105.8	43.55	108.9	F
Vanadium				500.0	530.35	106.1			P
Zinc				500.0	535.94	107.2			P

(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: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Initial Calibration Source: LLI_____

Continuing Calibration Source: LLI_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic				40.0	42.49	106.2	43.43	108.6	F
Barium									NR
Beryllium									NR
Cadmium				500.0	530.42	106.1			P
Calcium				25000.0	25987.42	103.9			P
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				25.0	26.01	104.0	25.10	100.4	F
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium				25.0	24.41	97.6			F
Silver									NR
Sodium	30000.0	29565.49	98.6	25000.0	24911.96	99.6	25091.76	100.4	P
Thallium				40.0	42.30	105.8	42.80	107.0	F
Vanadium									NR
Zinc									NR

(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: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Initial Calibration Source: LLI_____

Continuing Calibration Source: LLI_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic				40.0	43.56	108.9			F
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				25.0	25.53	102.1	25.69	102.8	F
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium	20.0	19.01	95.0	25.0	24.62	98.5	24.55	98.2	F
Silver									NR
Sodium				25000.0	25049.85	100.2	25376.81	101.5	P
Thallium	50.0	46.71	93.4	40.0	42.15	105.4	40.61	101.5	F
Vanadium									NR
Zinc									NR

(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: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Initial Calibration Source: LLI_____

Continuing Calibration Source: LLI_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	20.0	18.89	94.5	25.0	24.14	96.6	24.96	99.8	F
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium				25000.0	25039.48	100.2			P
Thallium				40.0	40.55	101.4			F
Vanadium									NR
Zinc									NR

(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: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

AA CRDL Standard Source: LLI_____

ICP CRDL Standard Source: LLI_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony				120.0	117.73	98.1	118.87	99.1
Arsenic	10.0	12.41	124.1					
Barium								
Beryllium				10.0	9.93	99.3	10.62	106.2
Cadmium				10.0	10.02	100.2	10.13	101.3
Calcium								
Chromium				20.0	20.68	103.4	21.70	108.5
Cobalt				100.0	101.45	101.4	106.18	106.2
Copper				50.0	51.34	102.7	51.14	102.3
Iron								
Lead	3.0	4.29	143.0					
Magnesium								
Manganese				30.0	30.52	101.7	31.97	106.6
Mercury	0.2	0.19	95.0					
Nickel				80.0	80.90	101.1	85.92	107.4
Potassium								
Selenium	5.0	4.12	82.4					
Silver				20.0	20.77	103.8	21.19	106.0
Sodium								
Thallium	10.0	12.38	123.8					
Vanadium				100.0	104.58	104.6	108.55	108.6
Zinc				40.0	40.50	101.2	43.75	109.4

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2B
CRDL STANDARD FOR AA AND ICP

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

AA CRDL Standard Source: LLI_____

ICP CRDL Standard Source: LLI_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium				10.0			10.52	105.2
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead	3.0	3.05	101.7					
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium	5.0	2.35	47.0					
Silver								
Sodium								
Thallium	10.0	9.64	96.4					
Vanadium								
Zinc								

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2B
CRDL STANDARD FOR AA AND ICP

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

AA CRDL Standard Source: LLI_____

ICP CRDL Standard Source: LLI_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	True	Initial Found	%R	Final Found	%R
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Calcium								
Chromium								
Cobalt								
Copper								
Iron								
Lead								
Magnesium								
Manganese								
Mercury								
Nickel								
Potassium								
Selenium	5.0	4.54	90.8					
Silver								
Sodium								
Thallium								
Vanadium								
Zinc								

3
BLANKS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
Aluminum	27.2	U	43.2	B	27.2	U	41.5	B	27.200	U	P
Antimony	2.8	U	6.1	B	5.1	B	5.4	B	2.800	U	P
Arsenic	1.6	B	1.3	U	1.3	U	1.7	B	1.930	B	F
Barium	0.14	B	0.13	B	0.10	U	0.14	B	0.100	U	P
Beryllium	0.99	U	0.99	U	0.99	U	0.99	U	0.990	U	P
Cadmium	0.50	U	0.50	U	0.50	U	0.50	U	0.500	U	P
Calcium	17.6	U	21.5	B	17.6	U	17.6	U	-32.040	B	P
Chromium	0.86	U	0.86	U	0.86	U	0.86	U	0.860	U	P
Cobalt	0.92	U	0.92	U	0.92	U	0.92	U	0.920	U	P
Copper	0.98	U	0.98	U	0.98	U	0.98	U	0.980	U	P
Iron	28.0	B	42.6	B	20.8	B	40.9	B	33.900	B	P
Lead	0.84	U	0.84	U	0.89	B	1.0	B	0.850	B	F
Magnesium	19.3	U	39.3	B	19.3	U	49.3	B	19.300	U	P
Manganese	0.18	B	0.30	B	0.24	B	0.26	B	0.860	B	P
Mercury	-0.017	B	-0.020	B	-0.028	B	-0.031	B	0.009	U	CV
Nickel	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	P
Potassium	113	B	118	B	109	B	114	B	107.510	B	P
Selenium	-0.82	B	-1.4	B	-1.2	B			-1.410	B	F
Silver	0.30	U	0.30	U	0.30	U	0.30	U	0.300	U	P
Sodium	161	U	198	B	181	B	172	B	227.360	B	P
Thallium	1.1	U	1.1	U	1.1	U	1.1	U	-1.720	B	F
Vanadium	0.44	U	0.47	B	0.44	U	0.44	U	0.440	U	P
Zinc	4.1	U	4.1	U	4.1	U	4.1	U	8.740	B	P

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3
BLANKS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
Aluminum											NR
Antimony											NR
Arsenic			2.0	B	1.3	U	1.5	B			F
Barium											NR
Beryllium											NR
Cadmium			0.50	U	0.50	U					P
Calcium			-21.6	B	17.6	U					P
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			0.84	U	1.0	B	0.84	U			F
Magnesium											NR
Manganese											NR
Mercury			-0.029	B							CV
Nickel											NR
Potassium											NR
Selenium	-2.9	B	-3.0	B	0.70	U	-2.8	B			F
Silver											NR
Sodium	192	B	161	U	161	U	161	U			P
Thallium			1.1	U	1.1	U	1.1	U			F
Vanadium											NR
Zinc											NR

U.S. EPA - CLP

3
BLANKS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
Aluminum											NR
Antimony											NR
Arsenic			1.8	B							F
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			0.84	U	0.84	U					F
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium	-0.75	B	0.70	U	0.70	U					F
Silver											NR
Sodium			161	U	161	U					P
Thallium	1.1	U	1.1	U	1.1	U	1.1	U			F
Vanadium											NR
Zinc											NR

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3
BLANKS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead	0.84	U	0.84	U	0.84	U					F
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

ICP ID Number: 05936_____ ICS Source: LLI_____

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
Aluminum	500000	500000	525760	524021.1	104.8	536675	533192.3	106.6
Antimony	0	600	12	620.5	103.4	12	643.4	107.2
Arsenic								
Barium	0	500	9	530.1	106.0	8	535.2	107.0
Beryllium	0	500	0	489.0	97.8	0	520.6	104.1
Cadmium								
Calcium	500000	500000	507611	508732.9	101.7	552591	550367.6	110.1
Chromium	0	500	2	498.8	99.8	1	529.0	105.8
Cobalt	0	500	1	491.8	98.4	1	516.7	103.3
Copper	0	500	-1	553.6	110.7	-2	554.4	110.9
Iron	200000	200000	203541	203410.4	101.7	218028	216338.2	108.2
Lead								
Magnesium	500000	500000	532064	529026.2	105.8	556438	551692.3	110.3
Manganese	0	500	6	501.0	100.2	6	527.6	105.5
Mercury								
Nickel	0	1000	0	954.5	95.4	0	1008.4	100.8
Potassium	0	0	107	101.4		103	107.9	
Selenium								
Silver	0	200	0	217.2	108.6	0	223.1	111.6
Sodium	0	0	177	217.0		185	194.3	
Thallium								
Vanadium	0	500	-2	513.7	102.7	0	540.0	108.0
Zinc	0	1000	4	916.2	91.6	4	1011.4	101.1

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

ICP ID Number: 05936_____ ICS Source: LLI_____

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
Aluminum	500000	500000	515741	528366.2	105.7	526696	522991.1	104.6
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	1000	-2	1000.0	100.0	-3	998.6	99.9
Calcium	500000	500000	506855	519084.3	103.8	520723	518008.7	103.6
Chromium								
Cobalt								
Copper								
Iron	200000	200000	202271	206537.3	103.3	207481	205958.0	103.0
Lead								
Magnesium	500000	500000	520596	530856.3	106.2	530875	525886.2	105.2
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium	0	0	168	230.8		117	225.8	
Thallium								
Vanadium								
Zinc								

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4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

ICP ID Number: 05936_____ ICS Source: LLI_____

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
Aluminum	500000	500000				526432	529259.7	105.9
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium	0	1000				-3	1022.9	102.3
Calcium	500000	500000				531199	529330.5	105.9
Chromium								
Cobalt								
Copper								
Iron	200000	200000				210581	210094.3	105.0
Lead								
Magnesium	500000	500000				532149	531754.8	106.4
Manganese								
Mercury								
Nickel								
Potassium								
Selenium								
Silver								
Sodium	0	0				257	246.9	
Thallium								
Vanadium								
Zinc								

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

RD3DFS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
Aluminum	75-125	2145.8200		27.2000	U	2000.00	107.3		P
Antimony	75-125	523.6200		2.8000	U	500.00	104.7		P
Arsenic	75-125	42.4900		1.9300	B	40.00	101.4		F
Barium	75-125	2165.2300		153.3800	B	2000.00	100.6		P
Beryllium	75-125	51.2200		0.9900	U	50.00	102.4		P
Cadmium	75-125	52.4700		0.5000	U	50.00	104.9		P
Calcium									NR
Chromium	75-125	207.0500		0.8600	U	200.00	103.5		P
Cobalt	75-125	511.3200		2.9000	B	500.00	101.7		P
Copper	75-125	259.3800		0.9800	U	250.00	103.8		P
Iron	75-125	1072.1300		28.4500	B	1000.00	104.4		P
Lead	75-125	18.5500		0.8400	U	20.00	92.8		F
Magnesium									NR
Manganese	75-125	1299.9600		791.1500		500.00	101.8		P
Mercury	75-125	1.0600		0.0090	U	1.00	106.0		CV
Nickel	75-125	515.7600		5.0600	B	500.00	102.1		P
Potassium									NR
Selenium	75-125	6.6800		0.7000	U	10.00	66.8	N	F
Silver	75-125	52.2100		0.3000	U	50.00	104.4		P
Sodium									NR
Thallium	75-125	45.7100		1.1000	U	50.00	91.4		F
Vanadium	75-125	518.1900		0.8700	B	500.00	103.5		P
Zinc	75-125	510.2000		11.7900	B	500.00	99.7		P

Comments:

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6
DUPLICATES

EPA SAMPLE NO.

RD3DFD

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
Aluminum		27.2000	U	27.2000	U			P
Antimony		2.8000	U	2.8000	U			P
Arsenic		1.9300	B	1.3900	B	32.5		F
Barium		153.3800	B	149.4900	B	2.6		P
Beryllium		0.9900	U	0.9900	U			P
Cadmium		0.5000	U	0.5000	U			P
Calcium		69418.4900		70170.5000		1.1		P
Chromium		0.8600	U	0.8600	U			P
Cobalt		2.9000	B	1.9000	B	41.7		P
Copper		0.9800	U	0.9800	U			P
Iron		28.4500	B	22.0600	B	25.3		P
Lead		0.8400	U	0.8400	U			F
Magnesium		28777.0900		28183.7900		2.1		P
Manganese		791.1500		770.6700		2.6		P
Mercury		0.0090	U	0.0090	U			CV
Nickel		5.0600	B	5.8100	B	13.8		P
Potassium		2961.5000	B	2920.4700	B	1.4		P
Selenium		0.7000	U	0.7000	U			F
Silver		0.3000	U	0.3000	U			P
Sodium		49149.4000	B	49255.0000	B	0.2		P
Thallium		1.1000	U	1.1000	U			F
Vanadium		0.8700	B	0.8600	B	1.2		P
Zinc		11.7900	B	9.1700	B	25.0		P

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LABORATORY CONTROL SAMPLE

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Solid LCS Source: _____

Aqueous LCS Source: LLI_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	2163.48	108.2						
Antimony	500.0	535.43	107.1						
Arsenic	40.0	42.82	107.0						
Barium	2000.0	2056.73	102.8						
Beryllium	50.0	51.82	103.6						
Cadmium	50.0	54.64	109.3						
Calcium	4000.0	4268.33	106.7						
Chromium	200.0	210.49	105.2						
Cobalt	500.0	511.23	102.2						
Copper	250.0	257.82	103.1						
Iron	1000.0	1088.89	108.9						
Lead	20.0	21.81	109.0						
Magnesium	2000.0	2063.02	103.2						
Manganese	500.0	518.04	103.6						
Mercury	1.0	1.07	107.0						
Nickel	500.0	521.13	104.2						
Potassium	4000.0	3964.98	99.1						
Selenium	10.0	8.63	86.3						
Silver	50.0	51.69	103.4						
Sodium	4000.0	4025.15	100.6						
Thallium	50.0	47.85	95.7						
Vanadium	500.0	527.17	105.4						
Zinc	500.0	525.15	105.0						

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STANDARD ADDITION RESULTS

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
1SDIS	SE	0.034	5.00	0.046	10.00	0.056	15.00	0.066	16.3	0.9989	
2SDIS	PB	0.003	5.00	0.046	10.00	0.084	15.00	0.122	0.6	0.9995	

FORM VIII - IN ILM04.0

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

RD3DF L

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

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
Aluminum	27.20	U	136.00	U			P
Antimony	2.80	U	17.20	B			P
Arsenic							
Barium	153.38	B	153.25	B	0.1		P
Beryllium	0.99	U	4.95	U			P
Cadmium	0.50	U	2.50	U			P
Calcium	69418.49		68253.40		1.7		P
Chromium	0.86	U	4.30	U			P
Cobalt	2.90	B	4.60	U	100.0		P
Copper	0.98	U	4.90	U			P
Iron	28.45	B	146.65	B	415.5		P
Lead							
Magnesium	28777.09		27504.05		4.4		P
Manganese	791.15		789.75		0.2		P
Mercury							
Nickel	5.06	B	9.65	B	90.7		P
Potassium	2961.50	B	3147.80	B	6.3		P
Selenium							
Silver	0.30	U	1.50	U			P
Sodium	4914.94	B	4503.35	B	8.4		P
Thallium							
Vanadium	0.87	B	3.00	B	244.8		P
Zinc	11.79	B	25.55	B	116.7		P

Verification of Instrument Parameters

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10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

ICP ID Number: _____ Date: 07/15/96

Flame AA ID Number: _____

Furnace AA ID Number: ___02803____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					NR
Antimony					NR
Arsenic					NR
Barium					NR
Beryllium					NR
Cadmium					NR
Calcium					NR
Chromium					NR
Cobalt					NR
Copper					NR
Iron					NR
Lead					NR
Magnesium					NR
Manganese					NR
Mercury					NR
Nickel					NR
Potassium					NR
Selenium					NR
Silver					NR
Sodium					NR
Thallium	276.80	BD	10	1.1	F
Vanadium					NR
Zinc					NR

Comments:

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

ICP ID Number: _____ Date: 07/15/96

Flame AA ID Number: _____

Furnace AA ID Number: ___03812____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					NR
Antimony					NR
Arsenic					NR
Barium					NR
Beryllium					NR
Cadmium					NR
Calcium					NR
Chromium					NR
Cobalt					NR
Copper					NR
Iron					NR
Lead	283.30	BZ	3	0.84	F
Magnesium					NR
Manganese					NR
Mercury					NR
Nickel					NR
Potassium					NR
Selenium					NR
Silver					NR
Sodium					NR
Thallium					NR
Vanadium					NR
Zinc					NR

Comments:

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

ICP ID Number: _____ Date: 07/15/96

Flame AA ID Number: _____

Furnace AA ID Number: ___04724____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					NR
Antimony					NR
Arsenic	193.70	BZ	10	1.3	F
Barium					NR
Beryllium					NR
Cadmium					NR
Calcium					NR
Chromium					NR
Cobalt					NR
Copper					NR
Iron					NR
Lead					NR
Magnesium					NR
Manganese					NR
Mercury					NR
Nickel					NR
Potassium					NR
Selenium					NR
Silver					NR
Sodium					NR
Thallium					NR
Vanadium					NR
Zinc					NR

Comments:

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

ICP ID Number: _____ Date: 07/15/96

Flame AA ID Number: _____

Furnace AA ID Number: ___04725____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					NR
Antimony					NR
Arsenic					NR
Barium					NR
Beryllium					NR
Cadmium					NR
Calcium					NR
Chromium					NR
Cobalt					NR
Copper					NR
Iron					NR
Lead					NR
Magnesium					NR
Manganese					NR
Mercury					NR
Nickel					NR
Potassium					NR
Selenium	196.00	BZ	5	0.70	F
Silver					NR
Sodium					NR
Thallium					NR
Vanadium					NR
Zinc					NR

Comments:

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

ICP ID Number: _____ Date: 07/15/96

Flame AA ID Number: ___05220____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum					NR
Antimony					NR
Arsenic					NR
Barium					NR
Beryllium					NR
Cadmium					NR
Calcium					NR
Chromium					NR
Cobalt					NR
Copper					NR
Iron					NR
Lead					NR
Magnesium					NR
Manganese					NR
Mercury	254.00		0.2	0.0090	CV
Nickel					NR
Potassium					NR
Selenium					NR
Silver					NR
Sodium					NR
Thallium					NR
Vanadium					NR
Zinc					NR

Comments:

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

ICP ID Number: ___05936____ Date: 07/15/96

Flame AA ID Number: _____

Furnace AA ID Number: _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.21		200	27.2	P
Antimony	206.83		60	2.8	P
Arsenic					NR
Barium	493.40		200	0.10	P
Beryllium	313.04		5	0.99	P
Cadmium	226.50		5	0.50	P
Calcium	317.93		5000	17.6	P
Chromium	267.71		10	0.86	P
Cobalt	228.61		50	0.92	P
Copper	324.75		25	0.98	P
Iron	271.44		100	19.0	P
Lead					NR
Magnesium	279.07		5000	19.3	P
Manganese	257.61		15	0.17	P
Mercury					NR
Nickel	231.60		40	1.6	P
Potassium	766.49		5000	53.4	P
Selenium					NR
Silver	328.06		10	0.30	P
Sodium	330.23		5000	161	P
Thallium					NR
Vanadium	292.40		50	0.44	P
Zinc	206.20		20	4.1	P

Comments:

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11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

ICP ID Number: ___05936 ___ Date: 09/12/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	CO
Aluminum	308.21	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic						
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	-0.0000020	0.0000000	-0.0000010	0.0000000	0.0000000
Cadmium	226.50	0.0000020	0.0000000	0.0001110	0.0000000	-0.0001580
Calcium	317.93	0.0000000	0.0000000	-0.0002340	0.0000000	0.0000000
Chromium	267.71	0.0000000	0.0000000	0.0000040	0.0000000	0.0000000
Cobalt	228.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000060	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0717430
Lead1						
Lead2						
Magnesium	279.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006820
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium1						
Selenium2						
Silver	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	-0.0000620	0.0000000	0.0000000	0.0000000	0.0000000
Thallium						
Vanadium	292.40	0.0000000	0.0000000	-0.0003270	0.0000000	0.0000000
Zinc	206.20	0.0000290	0.0000000	-0.0000860	0.0000000	0.0000000

Comments:

FORM XI (PART 1) - IN ILM04.0

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

ICP ID Number: ___05936 ___ Date: 09/12/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: CR	MN	MO	NI	TI
Aluminum	308.21	0.0000000	0.0000000	-0.0043470	0.0000000	-0.0062140
Antimony	206.83	-0.0033330	0.0000000	0.0000000	0.0000000	-0.0020410
Arsenic						
Barium	493.40	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	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.71	0.0000000	0.0000620	0.0000000	0.0000000	0.0000000
Cobalt	228.61	-0.0004150	0.0000000	0.0000000	0.0002200	0.0014390
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0014000	0.0000000	0.0000000	0.0000000	0.0000000
Lead1						
Lead2						
Magnesium	279.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium1						
Selenium2						
Silver	328.06	0.0000130	-0.0001320	0.0000000	0.0000000	0.0000000
Sodium	330.23	-0.0060000	0.0000000	0.0000000	0.0000000	-0.0498100
Thallium						
Vanadium	292.40	-0.0008170	0.0000000	0.0000000	0.0000000	0.0005900
Zinc	206.20	0.0007900	0.0000000	0.0003360	0.0000000	0.0000000

Comments:

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

ICP ID Number: ___05936 ___ Date: 09/12/96

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	__	__	__	__
Aluminum	308.21	0.0219600	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic						
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0011680	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.71	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.61	0.0000330	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	-0.0001130	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0095260	0.0000000	0.0000000	0.0000000	0.0000000
Lead1						
Lead2						
Magnesium	279.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium1						
Selenium2						
Silver	328.06	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium						
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

ICP ID Number: ___05936____ Date: 07/15/96

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	10.00	600000.0	P
Antimony	10.00	50000.0	P
Arsenic			NR
Barium	10.00	5000.0	P
Beryllium	10.00	5000.0	P
Cadmium	10.00	20000.0	P
Calcium	10.00	600000.0	P
Chromium	10.00	100000.0	P
Cobalt	10.00	50000.0	P
Copper	10.00	50000.0	P
Iron	10.00	300000.0	P
Lead			NR
Magnesium	10.00	600000.0	P
Manganese	10.00	50000.0	P
Mercury			NR
Nickel	10.00	50000.0	P
Potassium	10.00	50000.0	P
Selenium			NR
Silver	10.00	5000.0	P
Sodium	10.00	50000.0	P
Thallium			NR
Vanadium	10.00	50000.0	P
Zinc	10.00	5000.0	P

Comments:

Preparation and Run Logs

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PREPARATION LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (ml)
1DDIS	09/24/96		100
1SDIS	09/24/96		100
2DDIS	09/24/96		100
2SDIS	09/24/96		100
4DDPF	09/24/96		100
FB1DS	09/24/96		100
LCSW	09/24/96		100
PBW	09/24/96		100
RA3SF	09/24/96		100
RA4SF	09/24/96		100
RD3DF	09/24/96		100
RD3DFD	09/24/96		100
RD3DFS	09/24/96		100
RS4DF	09/24/96		100
RS5SF	09/24/96		100

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PREPARATION LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Method: F_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (ml)
1DDIS	09/24/96		100
1SDIS	09/24/96		100
2DDIS	09/24/96		100
2SDIS	09/24/96		100
4DDPF	09/24/96		100
FB1DS	09/24/96		100
LCSW	09/24/96		100
PBW	09/24/96		100
RA3SF	09/24/96		100
RA4SF	09/24/96		100
RD3DF	09/24/96		100
RD3DFD	09/24/96		100
RD3DFM	09/24/96		100
RD3DFS	09/24/96		100
RS4DF	09/24/96		100
RS5SF	09/24/96		100

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PREPARATION LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (ml)
1DDIS	09/24/96		8
1SDIS	09/24/96		8
2DDIS	09/24/96		8
2SDIS	09/24/96		8
4DDPF	09/24/96		8
FB1DS	09/24/96		8
LCSW	09/24/96		8
PBW	09/24/96		8
RA3SF	09/24/96		8
RA4SF	09/24/96		8
RD3DF	09/24/96		8
RD3DFD	09/24/96		8
RD3DFS	09/24/96		8
RS4DF	09/24/96		8
RS5SF	09/24/96		8

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 05936_ Method: P_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN				
S0	1.00	2214		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
S	1.00	2218		X										X		X				X			X							
S	1.00	2222					X	X				X	X				X		X			X				X				
S	1.00	2226			X						X																			
ICV	1.00	2229		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
ICB	1.00	2234		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
CRI	1.00	2238			X			X			X	X	X				X		X			X			X	X				
ICSA	1.00	2242		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
ICSAB	1.00	2247		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
CCV	1.00	2251		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
CCB	1.00	2255		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
PBW	1.00	2300		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
LCSW	1.00	2304		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
RD3DF	1.00	2309		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
RD3DFA	1.00	2313																												
RD3DFD	1.00	2317		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
RD3DFS	1.00	2322		X	X		X	X			X	X	X	X			X		X			X			X	X				
RD3DFL	5.00	2326		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
RS5SF	1.00	2331		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
RS4DF	1.00	2335		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
4DDPF	1.00	2339		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
CCV	1.00	2344		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
CCB	1.00	2348		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
RA4SF	1.00	2353		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
RA3SF	1.00	2357		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
2DDIS	1.00	0001		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
2SDIS	1.00	0006		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
1DDIS	1.00	0010		X	X		X	X			X	X	X	X		X	X		X	X		X			X	X				
1SDIS	1.00	0015		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
FB1DS	1.00	0019		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				
CRI	1.00	0023			X			X			X	X	X				X		X			X			X	X				
ICSA	1.00	0028		X	X		X	X			X	X	X	X		X	X		X	X		X	X		X	X				

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 05936_ Method: P_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
ICSAB	1.00	0032		X	X	_	X	X	_	_	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CCV	1.00	0037		X	X	_	X	X	_	_	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
CCB	1.00	0041		X	X	_	X	X	_	_	X	X	X	X	_	X	X	_	X	X	_	X	X	_	X	X	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 05936_ Method: P_

Start Date: 09/26/96 End Date: 09/26/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
S0	1.00	0911							X	X												X				
S	1.00	0916								X												X				
S	1.00	0921							X																	
S	1.00	0925																								
ICV	1.00	0929							X	X												X				
ICB	1.00	0934							X	X												X				
CRI	1.00	0939							X																	
ICSA	1.00	0944							X	X												X				
ICSAB	1.00	0949							X	X												X				
CCV	1.00	0954							X	X												X				
CCB	1.00	0959							X	X												X				
PBW	1.00	1004							X	X																
LCSW	1.00	1009							X	X																
RD3DF	10.00	1014																				X				
RD3DFA	10.00	1019																								
RD3DFD	10.00	1024																				X				
RD3DFS	10.00	1028																								
RD3DFL	50.00	1033																				X				
RS5SF	1.00	1038							X	X																
RS4DF	10.00	1043																				X				
4DDPF	10.00	1048																				X				
CCV	1.00	1053							X	X												X				
CCB	1.00	1058							X	X												X				
RD3DF	1.00	1103							X	X																
RD3DFA	1.00	1108																								
RD3DFD	1.00	1113							X	X																
RD3DFS	1.00	1118							X																	
RD3DFL	5.00	1123							X	X																
RA3SF	10.00	1128																				X				
2DDIS	10.00	1133																				X				
CRI	1.00	1138							X																	
ICSA	1.00	1143							X	X												X				

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 05936_ Method: P_

Start Date: 09/26/96 End Date: 09/26/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN		
ICSAB	1.00	1148							X	X													X					
CCV	1.00	1152							X	X													X					
CCB	1.00	1157							X	X													X					
2SDIS	10.00	1202																					X					
1DDIS	10.00	1207																										
RS4DF	1.00	1212							X	X																		
4DDPF	1.00	1217							X	X																		
RA4SF	1.00	1222							X	X																		
RA3SF	1.00	1227							X	X																		
2DDIS	1.00	1232							X	X																		
2SDIS	1.00	1237							X	X																		
1DDIS	1.00	1242							X	X													X					
1SDIS	1.00	1247							X	X																		
CCV	1.00	1252							X	X													X					
CCB	1.00	1257							X	X													X					
FB1DS	1.00	1302							X	X																		
CRI	1.00	1307							X																			
ICSA	1.00	1312							X	X													X					
ICSAB	1.00	1317							X	X													X					
CCV	1.00	1321							X	X													X					
CCB	1.00	1326							X	X													X					

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04724_ Method: F_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN				
S0	1.00	2109				X																								
S10	1.00	2113				X																								
S20	1.00	2117				X																								
S40	1.00	2121				X																								
S60	1.00	2125				X																								
S80	1.00	2129				X																								
ICV	1.00	2134				X																								
ICB	1.00	2138				X																								
CRA	1.00	2142				X																								
CCV	1.00	2146				X																								
CCB	1.00	2150				X																								
ZZZZZZ	1.00	2154																												
ZZZZZZ	1.00	2159																												
ZZZZZZ	1.00	2203																												
ZZZZZZ	1.00	2207																												
ZZZZZZ	1.00	2212																												
ZZZZZZ	1.00	2216																												
ZZZZZZ	1.00	2220																												
ZZZZZZ	1.00	2225																												
ZZZZZZ	1.00	2229																												
ZZZZZZ	1.00	2233																												
CCV	1.00	2238				X																								
CCB	1.00	2242				X																								
ZZZZZZ	1.00	2246																												
ZZZZZZ	1.00	2250																												
ZZZZZZ	1.00	2254																												
ZZZZZZ	1.00	2258																												
ZZZZZZ	1.00	2303																												
ZZZZZZ	1.00	2307																												
ZZZZZZ	1.00	2311																												
ZZZZZZ	1.00	2315																												
ZZZZZZ	1.00	2319																												

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04724_ Method: F_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
ZZZZZZ	1.00	2324																								
CCV	1.00	2328				X																				
CCB	1.00	2332				X																				
ZZZZZZ	1.00	2336																								
ZZZZZZ	1.00	2340																								
ZZZZZZ	1.00	2344																								
ZZZZZZ	1.00	2348																								
ZZZZZZ	1.00	2352																								
ZZZZZZ	1.00	2356																								
ZZZZZZ	1.00	0000																								
ZZZZZZ	1.00	0004																								
ZZZZZZ	1.00	0008																								
ZZZZZZ	1.00	0013																								
CCV	1.00	0017				X																				
CCB	1.00	0021				X																				
PBW	1.00	0025				X																				
PBWA	1.00	0029	104.6			X																				
LCSW	1.00	0033				X																				
LCSWA	1.00	0037	108.8			X																				
RS5SF	1.00	0041				X																				
RS5SFA	1.00	0046	93.3			X																				
RS4DF	1.00	0050				X																				
RS4DFA	1.00	0054	92.7			X																				
4DDPF	1.00	0059				X																				
4DDPFA	1.00	0103	91.9			X																				
CCV	1.00	0107				X																				
CCB	1.00	0111				X																				
RA4SF	1.00	0115				X																				
RA4SFA	1.00	0120	108.4			X																				
RD3DF	1.00	0124				X																				
RD3DFA	1.00	0128	95.2			X																				
RD3DFD	1.00	0133				X																				

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04724_ Method: F_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN				
RD3DFDA	1.00	0137	102.2			X																								
RD3DFS	1.00	0141				X																								
ZZZZZZ	1.00	0146																												
RA3SF	1.00	0150				X																								
RA3SFA	1.00	0154	102.4			X																								
CCV	1.00	0159				X																								
CCB	1.00	0203				X																								
2DDIS	1.00	0207				X																								
2DDISA	1.00	0211	112.8			X																								
2SDIS	1.00	0215				X																								
2SDISA	1.00	0219	103.7			X																								
1DDIS	1.00	0223				X																								
1DDISA	1.00	0227	100.6			X																								
1SDIS	1.00	0231				X																								
1SDISA	1.00	0235	109.0			X																								
FB1DS	1.00	0240				X																								
FB1DSA	1.00	0244	111.8			X																								
CCV	1.00	0248				X																								
CCB	1.00	0252				X																								

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 03812_ Method: F_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN				
S0	1.00	2048													X															
S3	1.00	2053													X															
S9	1.00	2058													X															
S15	1.00	2103													X															
S30	1.00	2108													X															
S60	1.00	2113													X															
ICV	1.00	2117													X															
ICB	1.00	2122													X															
CRA	1.00	2126													X															
ZZZZZZ	1.00	2131																												
CCV	1.00	2136													X															
CCB	1.00	2141													X															
ZZZZZZ	1.00	2145																												
ZZZZZZ	1.00	2150																												
ZZZZZZ	1.00	2154																												
ZZZZZZ	1.00	2159																												
ZZZZZZ	1.00	2204																												
ZZZZZZ	1.00	2209																												
ZZZZZZ	2.00	2213																												
ZZZZZZ	2.00	2218																												
ZZZZZZ	1.00	2223																												
ZZZZZZ	1.00	2227																												
CCV	1.00	2232													X															
CCB	1.00	2237													X															
ZZZZZZ	1.00	2241																												
ZZZZZZ	1.00	2246																												
ZZZZZZ	1.00	2250																												
ZZZZZZ	1.00	2255																												
ZZZZZZ	1.00	2300																												
ZZZZZZ	1.00	2304																												
ZZZZZZ	1.00	2309																												
ZZZZZZ	1.00	2314																												

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 03812_ Method: F_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
ZZZZZZ	1.00	2318																										
ZZZZZZ	1.00	2323																										
CCV	1.00	2327													X													
CCB	1.00	2332													X													
ZZZZZZ	1.00	2336																										
ZZZZZZ	1.00	2341																										
ZZZZZZ	1.00	2346																										
ZZZZZZ	1.00	2350																										
ZZZZZZ	1.00	2355																										
ZZZZZZ	1.00	0000																										
ZZZZZZ	1.00	0004																										
ZZZZZZ	1.00	0009																										
ZZZZZZ	1.00	0013																										
ZZZZZZ	1.00	0018																										
CCV	1.00	0023													X													
CCB	1.00	0027													X													
ZZZZZZ	1.00	0032																										
ZZZZZZ	1.00	0037																										
ZZZZZZ	1.00	0041																										
ZZZZZZ	1.00	0046																										
ZZZZZZ	1.00	0051																										
ZZZZZZ	1.00	0056																										
ZZZZZZ	1.00	0100																										
ZZZZZZ	1.00	0105																										
ZZZZZZ	1.00	0110																										
ZZZZZZ	1.00	0114																										
CCV	1.00	0119													X													
CCB	1.00	0124													X													
PBW	1.00	0128													X													
PBWA	1.00	0133	111.0												X													
LCSW	1.00	0138													X													
LCSWA	1.00	0143	115.3												X													

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 03812_ Method: F_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
RS5SF	1.00	0147													X												
RS5SFA	1.00	0152	68.4												X												
RS4DF	1.00	0157													X												
RS4DFA	1.00	0202	62.6												X												
4DDPF	1.00	0206													X												
4DDPFA	1.00	0211	66.0												X												
CCV	1.00	0216													X												
CCB	1.00	0220													X												
RA4SF	1.00	0225													X												
RA4SFA	1.00	0230	100.4												X												
RD3DF	1.00	0234													X												
RD3DFA	1.00	0239	69.0												X												
RD3DFD	1.00	0244													X												
RD3DFDA	1.00	0248	71.7												X												
RD3DFS	1.00	0253													X												
ZZZZZZ	1.00	0258																									
RA3SF	1.00	0302													X												
RA3SFA	1.00	0307	61.6												X												
CCV	1.00	0312													X												
CCB	1.00	0316													X												
2DDIS	1.00	0321													X												
2DDISA	1.00	0326	72.0												X												
2SDIS	1.00	0330																									
2SDISA	1.00	0335	66.8																								
1DDIS	1.00	0339													X												
1DDISA	1.00	0344	71.2												X												
1SDIS	1.00	0349													X												
1SDISA	1.00	0353	71.4												X												
FB1DS	1.00	0358													X												
FB1DSA	1.00	0403	110.4												X												
CCV	1.00	0407													X												
CCB	1.00	0412													X												

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 03812_ Method: F_

Start Date: 09/24/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
S0	1.00	0547													X												
S3	1.00	0550													X												
S9	1.00	0552													X												
S15	1.00	0555													X												
S30	1.00	0558													X												
S60	1.00	0600													X												
ICV	1.00	0603													X												
ICB	1.00	0605													X												
CRA	1.00	0608																									
CCV	1.00	0610													X												
CCB	1.00	0613													X												
ZZZZZZ0	1.00	0615																									
ZZZZZZ1	1.00	0618																									
ZZZZZZ2	1.00	0620																									
ZZZZZZ3	1.00	0623																									
ZZZZZZ0	1.00	0625																									
ZZZZZZ1	1.00	0628																									
ZZZZZZ2	1.00	0630																									
ZZZZZZ3	1.00	0632																									
ZZZZZZ0	1.00	0635																									
ZZZZZZ1	1.00	0637																									
ZZZZZZ2	1.00	0640																									
ZZZZZZ3	1.00	0642																									
ZZZZZZ0	1.00	0645																									
ZZZZZZ1	1.00	0647																									
ZZZZZZ2	1.00	0649																									
ZZZZZZ3	1.00	0652																									
2SDIS0	1.00	0654													X												
2SDIS1	1.00	0657													X												
2SDIS2	1.00	0659													X												
2SDIS3	1.00	0702													X												
CCV	1.00	0704													X												
CCB	1.00	0707													X												

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04725_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
S0	1.00	0123																			X						
S5	1.00	0127																			X						
S15	1.00	0131																			X						
S25	1.00	0135																			X						
S40	1.00	0139																			X						
S50	1.00	0143																			X						
ICV	1.00	0147																			X						
ICB	1.00	0151																			X						
CRA	1.00	0155																			X						
CCV	1.00	0159																			X						
CCB	1.00	0203																			X						
PBW	1.00	0207																			X						
PBWA	1.00	0211	104.0																		X						
LCSW	1.00	0216																			X						
LCSWA	1.00	0220	115.4																		X						
RS5SF	1.00	0224																			X						
RS5SFA	1.00	0228	76.7																		X						
RS4DF	1.00	0232																			X						
RS4DFA	1.00	0237	93.9																		X						
4DDPF	1.00	0241																			X						
4DDPFA	1.00	0245	73.7																		X						
CCV	1.00	0249																			X						
CCB	1.00	0253																			X						
RA4SF	1.00	0257																									
RA4SFA	1.00	0301	101.5																								
RD3DF	1.00	0305																									
RD3DFA	1.00	0309	97.6																								
RD3DFD	1.00	0313																									
RD3DFDA	1.00	0317	98.8																								
RD3DFS	1.00	0321																									
ZZZZZZ	1.00	0325																									
RA3SF	1.00	0329																									
RA3SFA	1.00	0333	88.0																								

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04725_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
CCV	1.00	0337																									
CCB	1.00	0341																									
2DDIS	1.00	0345																									
2DDISA	1.00	0349	94.2																								
2SDIS	1.00	0353																									
2SDISA	1.00	0357	110.6																								
1DDIS	1.00	0401																									
1DDISA	1.00	0405	118.2																								
1SDIS	1.00	0409																									
1SDISA	1.00	0413	-9.9999																								
FB1DS	1.00	0417																									
FB1DSA	1.00	0421	124.0																								
CCV	1.00	0426																									
CCB	1.00	0429																									

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04725_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
S0	1.00	0905																		X						
S5	1.00	0909																		X						
S15	1.00	0913																		X						
S25	1.00	0917																		X						
S40	1.00	0921																		X						
S50	1.00	0925																		X						
ICV	1.00	0929																		X						
ICB	1.00	0933																		X						
CRA	1.00	0937																		X						
CCV	1.00	0941																		X						
CCB	1.00	0945																		X						
RA4SF	1.00	0949																		X						
RA4SFA	1.00	0953	96.5																	X						
RD3DF	1.00	0957																		X						
RD3DFA	1.00	1001	76.8																	X						
RD3DFD	1.00	1006																		X						
RD3DFDA	1.00	1010	72.9																	X						
RD3DFS	1.00	1014																		X						
ZZZZZZ	1.00	1018																								
RA3SF	1.00	1022																		X						
RA3SFA	1.00	1026	91.3																	X						
CCV	1.00	1030																		X						
CCB	1.00	1034																		X						
2DDIS	1.00	1038																		X						
2DDISA	1.00	1042	86.9																	X						
2SDIS	1.00	1046																		X						
2SDISA	1.00	1050	102.4																	X						
1DDIS	1.00	1055																		X						
1DDISA	1.00	1059	100.8																	X						
1SDIS	5.00	1103																								
1SDISA	5.00	1107	137.2																							
FB1DS	1.00	1111																		X						

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04725_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN		
FB1DSA__	1.00	1115	105.5	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	
CCV_____	1.00	1119	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	
CCB_____	1.00	1123	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	
_____	_____	_____	_____	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04725_ Method: F_

Start Date: 09/27/96 End Date: 09/27/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN				
S0	1.00	0112																		X									
S5	1.00	0114																		X									
S15	1.00	0116																		X									
S25	1.00	0118																		X									
S40	1.00	0120																		X									
S50	1.00	0122																		X									
ICV	1.00	0125																		X									
ICB	1.00	0127																		X									
CRA	1.00	0129																		X									
CCV	1.00	0131																		X									
CCB	1.00	0133																		X									
1SDIS0	10.00	0135																		X									
1SDIS1	10.00	0137																		X									
1SDIS2	10.00	0139																		X									
1SDIS3	10.00	0141																		X									
ZZZZZZ0	5.00	0143																												
ZZZZZZ1	5.00	0145																												
ZZZZZZ2	5.00	0147																												
ZZZZZZ3	5.00	0149																												
ZZZZZZ0	5.00	0151																												
ZZZZZZ1	5.00	0153																												
ZZZZZZ2	5.00	0155																												
ZZZZZZ3	5.00	0157																												
ZZZZZZ0	5.00	0159																												
ZZZZZZ1	5.00	0200																												
ZZZZZZ2	5.00	0202																												
ZZZZZZ3	5.00	0204																												
ZZZZZZ0	10.00	0206																												
ZZZZZZ1	10.00	0208																												
ZZZZZZ2	10.00	0211																												
ZZZZZZ3	10.00	0213																												
CCV	1.00	0215																		X									

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 04725_ Method: F_

Start Date: 09/27/96 End Date: 09/27/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
CCB	1.00	0217																		X						

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 02803_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN				
S0	1.00	0523																					X							
S10	1.00	0527																					X							
S20	1.00	0530																					X							
S40	1.00	0534																					X							
S60	1.00	0538																					X							
S80	1.00	0541																					X							
ICV	1.00	0545																					X							
ICB	1.00	0548																					X							
CRA	1.00	0551																					X							
ZZZZZZ	1.00	0555																												
CCV	1.00	0558																					X							
CCB	1.00	0602																					X							
ZZZZZZ	1.00	0605																												
ZZZZZZ	1.00	0609																												
ZZZZZZ	1.00	0612																												
ZZZZZZ	1.00	0615																												
ZZZZZZ	1.00	0619																												
ZZZZZZ	1.00	0622																												
ZZZZZZ	1.00	0626																												
ZZZZZZ	1.00	0629																												
ZZZZZZ	1.00	0633																												
ZZZZZZ	1.00	0636																												
CCV	1.00	0640																					X							
CCB	1.00	0643																					X							
ZZZZZZ	1.00	0646																												
ZZZZZZ	1.00	0650																												
ZZZZZZ	1.00	0653																												
ZZZZZZ	1.00	0657																												
ZZZZZZ	1.00	0700																												
ZZZZZZ	1.00	0703																												
ZZZZZZ	1.00	0706																												
ZZZZZZ	1.00	0710																												

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 02803_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
ZZZZZZ	1.00	0713																									
ZZZZZZ	1.00	0717																									
CCV	1.00	0720																					X				
CCB	1.00	0723																					X				
ZZZZZZ	1.00	0727																									
ZZZZZZ	1.00	0730																									
ZZZZZZ	1.00	0733																									
ZZZZZZ	1.00	0737																									
ZZZZZZ	1.00	0740																									
ZZZZZZ	1.00	0744																									
ZZZZZZ	1.00	0747																									
ZZZZZZ	1.00	0751																									
ZZZZZZ	1.00	0754																									
ZZZZZZ	1.00	0757																									
CCV	1.00	0801																					X				
CCB	1.00	0804																					X				
PBW	1.00	0807																					X				
PBWA	1.00	0811	110.6																				X				
LCSW	1.00	0814																					X				
LCSWA	1.00	0818	98.6																				X				
RS5SF	1.00	0821																					X				
RS5SFA	1.00	0825	100.4																				X				
RS4DF	1.00	0828																					X				
RS4DFA	1.00	0832	89.7																				X				
4DDPF	1.00	0835																					X				
4DDPFA	1.00	0839	96.0																				X				
CCV	1.00	0842																					X				
CCB	1.00	0845																					X				
RA4SF	1.00	0849																					X				
RA4SFA	1.00	0852	105.2																				X				
RD3DF	1.00	0856																					X				
RD3DFA	1.00	0859	98.8																				X				

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 02803_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN		
RD3DFD	1.00	0903																					X				
RD3DFDA	1.00	0906	98.8																				X				
RD3DFS	1.00	0910																					X				
ZZZZZZ	1.00	0913																									
RA3SF	1.00	0917																					X				
RA3SFA	1.00	0920	89.9																				X				
CCV	1.00	0924																					X				
CCB	1.00	0927																					X				

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 02803_ Method: F_

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
S0	1.00	1225		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
S10	1.00	1228		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
S20	1.00	1232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
S40	1.00	1236		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
S60	1.00	1239		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
S80	1.00	1243		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
ICV	1.00	1246		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
ICB	1.00	1250		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
CRA	1.00	1253		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
ZZZZZZ	1.00	1256		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	1300		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
CCB	1.00	1303		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
ZZZZZZ	1.00	1306		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	1310		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2DDIS	1.00	1313		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
2DDISA	1.00	1317	92.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
2SDIS	1.00	1320		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
2SDISA	1.00	1324	100.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
1DDIS	1.00	1327		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
1DDISA	1.00	1331	93.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
1SDIS	1.00	1334		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
1SDISA	1.00	1338	98.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
CCV	1.00	1341		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
CCB	1.00	1344		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
FB1DS	1.00	1348		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
FB1DSA	1.00	1351	103.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
CCV	1.00	1355		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
CCB	1.00	1358		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 05220_ Method: CV

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
S0	1.00	1714																X									
S0.2	1.00	1716																X									
S0.5	1.00	1718																X									
S1.0	1.00	1721																X									
S2.5	1.00	1723																X									
S5.0	1.00	1726																X									
ICV	1.00	1728																X									
ICB	1.00	1731																X									
CRA	1.00	1733																X									
CCV	1.00	1735																X									
CCB	1.00	1738																X									
ZZZZZZ	1.00	1740																									
ZZZZZZ	1.00	1742																									
ZZZZZZ	1.00	1745																									
ZZZZZZ	1.00	1747																									
ZZZZZZ	1.00	1749																									
ZZZZZZ	1.00	1751																									
ZZZZZZ	1.00	1754																									
ZZZZZZ	1.00	1756																									
ZZZZZZ	1.00	1758																									
ZZZZZZ	1.00	1800																									
CCV	1.00	1803																X									
CCB	1.00	1805																X									
ZZZZZZ	1.00	1807																									
ZZZZZZ	1.00	1809																									
ZZZZZZ	1.00	1812																									
ZZZZZZ	1.00	1814																									
ZZZZZZ	1.00	1816																									
PBW	1.00	1818																X									
LCSW	1.00	1821																X									
RS5SF	1.00	1823																X									
RS4DF	1.00	1825																X									

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ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES___ Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: FMD02__

Instrument ID Number: 05220_ Method: CV

Start Date: 09/25/96 End Date: 09/25/96

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	
4DDPF	1.00	1827																X								
CCV	1.00	1830																X								
CCB	1.00	1832																X								
RA4SF	1.00	1834																X								
RD3DF	1.00	1837																X								
RD3DFD	1.00	1839																X								
RD3DFS	1.00	1841																X								
RA3SF	1.00	1844																X								
2DDIS	1.00	1846																X								
2SDIS	1.00	1848																X								
1DDIS	1.00	1850																X								
1SDIS	1.00	1853																X								
FB1DS	1.00	1855																X								
CCV	1.00	1857																X								
CCB	1.00	1859																X								

Raw Data

ICP Data

Lancaster Laboratories

Data Reviewed By: NCH/243 9-25-96

Data Verified By: J. Jollwith 9-25-96

Data File Name: 26807T62.DAT

Analyst: 81

Run Name: 9626807T61

Instrument Parameters:

Rinse Time:	30 sec
Inaividual Integration Time:	10 sec
Total Integration Time:	30 sec

Element Symbol	Element Name	Wavelength(nm)
Ag	Silver	328.06
Al	Aluminum	308.21
As	Arsenic	189.04
B	Boron	249.67
Ba	Barium	493.40
Be	Beryllium	313.04
Ca	Calcium	317.93
Cd	Cadmium	226.50
Co	Cobalt	228.61
Cr	Chromium	267.71
Cu	Copper	324.75
Fe	Iron	271.44
K	Potassium	766.49
Mg	Magnesium	279.07
Mn	Manganese	257.61
Mo	Molybdenum	202.03
Na	Sodium	330.23
Ni	Nickel	231.60
Pb	Lead	220.35/1
Pb	Lead	220.35/2
Sb	Antimony	206.83/1
Se	Selenium	196.02/2
Se	Selenium	196.02/1
Sn	Tin	189.98
Sr	Strontium	421.55
Ti	Titanium	334.94
Tl	Thallium	190.86
V	Vanadium	292.40
Y	Yttrium	371.03
Zn	Zinc	206.20

The 61E TRACE ICP uses a Crawford-Kunselman Noise Reduction Technique for lead and selenium. This requires the utilization of the first and second order wavelengths in the calculation of each of these metals determinations. The 61E TRACE ICP also utilizes Yttrium as an internal standard to compensate for fluctuations in nebulization and plasma conditions. All Yttrium readings are suppressed or ratioed.

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DUP050307320

determinations. The [illegible]
Yttrium is compensate for fluctuations in nebulization and plasma conditions.
All Yttrium readings are expressed in counts

LANCASTER LABORATORIES

Run Name: 9626807T61 INSTRUMENT ID: 05986

Tube: 1 50 09/24/96 22:14

ELEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
Ag	0.000	-0.00265	6.239	-0.00256	-0.00255	-0.00284
Al	0.000	0.01376	0.590	0.01385	0.01375	0.01369
As	0.000	-0.00008	327.2	0.00024	-0.00028	-0.00022
B	0.000	0.00003	125.1	0.00001	0.00000	0.00007
Ba	0.000	0.00017	18.94	0.00020	0.00015	0.00015
Be	0.000	-0.02449	0.101	-0.02446	-0.02450	-0.02450
Ca	0.000	-0.00160	9.936	-0.00147	-0.00157	-0.00178
Cd	0.000	0.00115	41.40	0.00083	0.00170	0.00093
Co	0.000	-0.00034	36.50	-0.00022	-0.00047	-0.00032
Cr	0.000	-0.00026	14.09	-0.00030	-0.00022	-0.00026
Cu	0.000	-0.00528	1.161	-0.00524	-0.00535	-0.00526
Fe	0.000	-0.00140	20.27	-0.00145	-0.00166	-0.00110
K	0.000	0.00310	28.41	0.00213	0.00331	0.00385
Mg	0.000	0.00116	9.646	0.00128	0.00113	0.00106
Mn	0.000	0.00273	10.89	0.00247	0.00267	0.00305
Mo	0.000	-0.00109	26.06	-0.00100	-0.00142	-0.00087
Na	0.000	0.00029	165.1	-0.00026	0.00056	0.00056
Ni	0.000	0.00067	65.72	0.00028	0.00058	0.00115
Pb	0.000	0.00082	187.1	-0.00043	0.00255	0.00036
Sb	0.000	0.00211	24.15	0.00167	0.00198	0.00267
Se	0.000	-0.01296	6.379	-0.01359	-0.01202	-0.01327
Sn	0.000	-0.00279	26.84	-0.00207	-0.00272	-0.00357
Sr	0.000	0.00196	4.877	0.00200	0.00204	0.00186
Ti	0.000	-0.00368	6.890	-0.00341	-0.00392	-0.00372
Tl	0.000	-0.00061	21.80	-0.00049	-0.00060	-0.00075
V	0.000	0.00021	100.1	0.00045	0.00015	0.00003
Y	N/A	52809.66796	0.312	52980.00000	52799.00000	52650.00000
Zn	0.000	0.00010	11.10	0.00009	0.00009	0.00011

DUP050307321

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 2 S1S 09/24/96 22:18

ELEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
Al	50.000	2.62627	0.913	2.65220	2.62177	2.60484
Ca	50.000	2.90745	0.660	2.92590	2.90886	2.88757
Fe	50.000	3.09015	0.672	3.10909	3.09344	3.06792
K	50.000	3.88840	1.039	3.93296	3.87815	3.85408
Mg	50.000	2.88370	0.789	2.90864	2.87844	2.86402
Na	50.000	0.46207	0.928	0.46685	0.46082	0.45854
Y	N/A	52159.33203	0.941	51599.00000	52363.00000	52516.00000

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 3 S2 S 09/24/96 22:22

ELEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
Ag	1.000	0.61604	0.251	0.61436	0.61743	0.61632
As	1.000	0.24353	0.452	0.24233	0.24450	0.24376
B	1.000	0.07480	0.545	0.07434	0.07511	0.07495
Ba	1.000	1.05727	0.204	1.05535	1.05686	1.05961
Be	1.000	1.48756	0.498	1.48396	1.49610	1.48263
Cd	1.000	3.13216	0.565	3.13019	3.15078	3.11552
Co	1.000	0.32844	0.401	0.32782	0.32996	0.32755
Cu	1.000	0.62087	0.415	0.61842	0.62064	0.62357
Mn	1.000	7.33713	0.347	7.33229	7.36473	7.31436
Ni	1.000	0.67080	0.780	0.67160	0.67559	0.66521
Pb	1.000	0.58800	1.146	0.59495	0.58757	0.58148
Se	1.000	0.90521	0.521	0.91002	0.90506	0.90057
Sr	1.000	28.99900	0.049	29.01424	28.98539	28.99735
Tl	1.000	0.06758	1.375	0.06656	0.06781	0.06838
Y	N/A	52085.00000	0.431	52068.00000	52318.00000	51869.00000
Zn	1.000	0.14054	0.834	0.14045	0.14176	0.13942

DUP050307323

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 4 S3 S 09/24/96 22:26

ELEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
_Cr	1.000	0.62434	0.141	0.62428	0.62349	0.62525
_Mo	1.000	0.92905	0.594	0.92337	0.92939	0.93440
_Sb	1.000	0.44899	0.375	0.45089	0.44769	0.44838
_Sn	1.000	0.79624	0.058	0.79570	0.79647	0.79654
_Ti	1.000	3.72417	0.303	3.73639	3.71404	3.72209
_V	1.000	1.05483	0.205	1.05733	1.05351	1.05365
_Y	N/A	51638.33203	0.844	51156.00000	52004.00000	51755.00000

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 5 ICV 09/24/96 22:29

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.60633	0.236	0.60521	0.60795	0.60584		
Al	30.14718	0.423	29.99975	30.21740	30.22441		
As	0.60588	1.357	0.59742	0.61384	0.60638		
B	0.62077	0.652	0.61609	0.62305	0.62316		
Ba	0.60203	0.414	0.59916	0.60325	0.60369		
Be	0.61465	0.442	0.61282	0.61777	0.61335		
Ca	29.62161	0.613	29.54345	29.82928	29.49209		
Cd	0.58424	0.540	0.58319	0.58779	0.58174		
Co	0.59618	0.404	0.59419	0.59887	0.59549		
Cr	0.60267	0.503	0.60103	0.60617	0.60080		
Cu	0.61539	0.287	0.61359	0.61547	0.61712		
Fe	29.79576	0.528	29.72206	29.97664	29.68857		
K	30.37939	0.568	30.23456	30.33303	30.57058		
Mg	30.02436	0.388	29.92606	30.15318	29.99384		
Mn	0.59642	0.416	0.59492	0.59929	0.59505		
Mo	0.60867	0.302	0.60677	0.61044	0.60880		
Na	30.59942	0.394	30.46132	30.65144	30.68548		
Ni	0.59557	0.131	0.59646	0.59521	0.59502		
Pb	0.59554	0.306	0.59357	0.59717	0.59587		
Sb	0.58892	0.722	0.58418	0.59019	0.59240		
Se	0.60581	1.178	0.60019	0.61384	0.60340		
Sn	0.60350	0.770	0.59948	0.60859	0.60243		
Sr	0.59975	0.348	0.59735	0.60079	0.60112		
Ti	0.61546	0.407	0.61302	0.61803	0.61533		
Tl	0.60029	1.355	0.59608	0.60967	0.59518		
V	0.60286	0.482	0.60078	0.60618	0.60163		
Y	50933.66796	0.334	50973.00000	50747.00000	51081.00000		
Zn	0.57986	0.802	0.57688	0.58521	0.57747		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 6 ICB 09/24/96 22:34

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00020	97.38	0.00042	0.00001	0.00019		
Al	0.00428	13.26	0.00475	0.00443	0.00365		
As	-0.00057	290.6	-0.00239	-0.00026	0.00092		
B	0.00406	26.39	0.00526	0.00371	0.00320		
Ba	0.00014	47.99	0.00022	0.00009	0.00011		
Be	-0.00033	31.57	-0.00024	-0.00032	-0.00045		
Ca	-0.04501	3.249	-0.04333	-0.04565	-0.04604		
Cd	0.00015	187.3	-0.00017	0.00028	0.00034		
Co	0.00033	106.5	0.00068	-0.00002	0.00032		
Cr	0.00035	62.54	0.00054	0.00039	0.00011		
Cu	-0.00005	164.4	0.00005	-0.00013	-0.00009		
Fe	0.02802	26.02	0.03328	0.01970	0.03110		
K	0.11317	0.481	0.11265	0.11314	0.11373		
Mg	0.00531	32.48	0.00575	0.00340	0.00579		
Mn	0.00018	36.87	0.00024	0.00011	0.00018		
Mo	0.00149	98.21	0.00319	0.00072	0.00057		
Na	0.13790	19.58	0.13217	0.11422	0.16732		
Ni	-0.00090	41.71	-0.00077	-0.00060	-0.00132		
Pb	-0.00010	457.4	-0.00063	0.00009	0.00023		
Sb	0.00271	46.10	0.00333	0.00127	0.00353		
Se	-0.00017	668.1	0.00066	0.00034	-0.00154		
Sn	0.00010	218.3	0.00034	0.00005	-0.00009		
Sr	0.00011	27.09	0.00014	0.00009	0.00009		
Ti	0.00016	54.86	0.00024	0.00006	0.00018		
Tl	0.00520	8.288	0.00483	0.00567	0.00509		
V	-0.00009	156.6	0.00006	-0.00023	-0.00011		
Y	51687.66796	0.153	51738.00000	51729.00000	51596.00000		
Zn	0.00056	74.41	0.00010	0.00065	0.00093		

Page: 8

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05935

Tube: 7 CRI 09/24/96 22:38

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02077	0.800	0.02062	0.02073	0.02095		
Al	-0.00600	39.46	-0.00707	-0.00764	-0.00328		
As	0.01986	18.83	0.01988	0.01610	0.02358		
B	0.00197	38.32	0.00153	0.00154	0.00284		
Ba	0.00019	13.83	0.00021	0.00016	0.00020		
Be	0.00993	1.008	0.00992	0.01003	0.00983		
Ca	-0.05881	0.636	-0.05851	-0.05869	-0.05923		
Cd	0.00988	1.347	0.00990	0.00973	0.01000		
Co	0.10145	0.587	0.10076	0.10178	0.10180		
Cr	0.02068	1.355	0.02052	0.02052	0.02101		
Cu	0.05134	0.466	0.05109	0.05137	0.05157		
Fe	0.01675	57.81	0.00796	0.01515	0.02714		
K	0.10651	2.551	0.10408	0.10601	0.10945		
Mg	-0.00222	40.09	-0.00305	-0.00234	-0.00128		
Mn	0.03052	0.834	0.03028	0.03050	0.03079		
Mo	0.00052	115.7	0.00122	0.00016	0.00018		
Na	0.10308	80.26	0.10606	0.01889	0.18429		
Ni	0.08090	1.218	0.08037	0.08204	0.08029		
Pb	0.00624	15.11	0.00521	0.00706	0.00646		
Sb	0.11773	1.224	0.11608	0.11874	0.11838		
Se	0.00788	3.919	0.00754	0.00794	0.00815		
Sn	-0.00012	781.8	-0.00005	-0.00115	0.00082		
Sr	0.00004	25.98	0.00004	0.00003	0.00005		
Ti	0.00009	107.8	0.00015	-0.00002	0.00015		
Tl	0.02010	5.212	0.01911	0.02000	0.02120		
V	0.10458	0.891	0.10354	0.10484	0.10535		
Y	51909.00000	0.520	52175.00000	51917.00000	51635.00000		
Zn	0.04050	1.450	0.04020	0.04013	0.04118		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 8 ICSA 09/24/96 22:42

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00023	127.0	0.00058	0.00007	0.00004		
Al	525.76043	1.281	518.00402	529.14843	530.12890		
As	0.00300	22.28	0.00323	0.00353	0.00225		
B	0.04673	1.186	0.04617	0.04675	0.04727		
Ba	0.00858	1.484	0.00844	0.00860	0.00869		
Be	-0.00006	276.5	0.00012	-0.00009	-0.00022		
Ca	507.61065	0.965	501.96990	510.02285	510.83923		
Cd	-0.00695	4.184	-0.00668	-0.00726	-0.00692		
Co	0.00095	46.98	0.00135	0.00103	0.00046		
Cr	0.00161	24.83	0.00160	0.00202	0.00122		
Cu	-0.00098	39.04	-0.00055	-0.00129	-0.00109		
Fe	203.54052	1.024	201.13175	204.77078	204.71903		
K	0.10682	1.822	0.10904	0.10598	0.10543		
Mg	532.06390	0.999	525.93115	535.37274	534.88775		
Mn	0.00594	1.114	0.00594	0.00601	0.00587		
Mo	-0.00017	414.2	0.00003	-0.00097	0.00041		
Na	0.17668	78.34	0.01748	0.26859	0.24396		
Ni	0.00021	390.7	0.00015	0.00110	-0.00060		
Pb	-0.00260	75.60	-0.00045	-0.00432	-0.00305		
Sb	0.01165	33.45	0.00834	0.01067	0.01595		
Se	-0.00923	11.28	-0.01039	-0.00893	-0.00837		
Sn	0.00670	34.04	0.00800	0.00406	0.00803		
Sr	0.02060	1.192	0.02032	0.02073	0.02075		
Ti	-0.00093	9.730	-0.00085	-0.00103	-0.00090		
Tl	-0.00119	121.7	-0.00177	0.00046	-0.00226		
V	-0.00208	13.46	-0.00181	-0.00206	-0.00237		
Y	48213.00000	1.043	48793.00000	47906.00000	47940.00000		
Zn	0.00398	32.61	0.00484	0.00460	0.00248		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 9 ICSAB 09/24/96 22:47

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.21717	0.512	0.21652	0.21845	0.21653		
Al	524.02111	0.517	522.63897	527.14782	522.27648		
As	0.09779	2.022	0.09564	0.09819	0.09953		
B	0.02636	4.590	0.02525	0.02765	0.02617		
Ba	0.53013	0.417	0.52909	0.53267	0.52862		
Be	0.48895	0.497	0.48736	0.49175	0.48773		
Ca	508.73291	0.567	506.87170	512.06097	507.26602		
Cd	0.93317	0.334	0.93096	0.93674	0.93182		
Co	0.49185	0.349	0.49076	0.49383	0.49096		
Cr	0.49883	0.505	0.49694	0.50169	0.49787		
Cu	0.55362	0.392	0.55292	0.55606	0.55189		
Fe	203.41040	0.492	202.78616	204.56604	202.87899		
K	0.10137	3.491	0.09742	0.10244	0.10425		
Mg	529.02618	0.445	527.97576	531.72381	527.37896		
Mn	0.50096	0.419	0.49982	0.50339	0.49969		
Mo	0.00047	576.9	-0.00125	-0.00093	0.00359		
Na	0.21701	22.47	0.18404	0.19396	0.27303		
Ni	0.95453	0.459	0.95346	0.95935	0.95077		
Pb	0.04941	3.582	0.04937	0.05120	0.04766		
Sb	0.62054	0.935	0.61385	0.62365	0.62414		
Se	0.03812	5.541	0.03679	0.04055	0.03701		
Sn	0.00482	136.4	0.01224	0.00253	-0.00030		
Sr	0.02055	0.516	0.02051	0.02067	0.02047		
Ti	-0.00086	10.86	-0.00096	-0.00078	-0.00083		
Tl	0.09129	8.443	0.09101	0.08372	0.09913		
V	0.51368	0.455	0.51300	0.51628	0.51175		
Y	48434.66795	0.351	48602.00000	48262.00000	48440.00000		
Zn	0.91623	0.854	0.91115	0.92525	0.91230		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 10 CCV 09/24/96 22:51

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.49383	0.132	0.49309	0.49433	0.49408		
Al	25.44128	0.070	25.45718	25.42186	25.44478		
As	0.49749	0.628	0.49428	0.50053	0.49767		
B	0.50418	0.463	0.50151	0.50589	0.50513		
Ba	0.48993	0.149	0.48921	0.48991	0.49067		
Be	0.49853	0.488	0.49573	0.49969	0.50016		
Ca	25.41222	0.302	25.32382	25.46367	25.44916		
Cd	0.48592	0.557	0.48285	0.48693	0.48799		
Co	0.48893	0.325	0.48711	0.48964	0.49005		
Cr	0.49513	0.551	0.49201	0.49627	0.49710		
Cu	0.50161	0.205	0.50105	0.50098	0.50280		
Fe	25.03939	0.463	24.90595	25.09465	25.11757		
K	26.33893	0.077	26.33915	26.31854	26.35910		
Mg	25.19180	0.079	25.18878	25.17333	25.21328		
Mn	0.49310	0.410	0.49084	0.49374	0.49473		
Mo	0.50176	0.708	0.49787	0.50256	0.50484		
Na	25.97978	0.238	25.97319	25.92129	26.04486		
Ni	0.49208	0.446	0.48961	0.49280	0.49383		
Pb	0.48915	0.463	0.48684	0.49137	0.48924		
Sb	0.47118	1.921	0.46394	0.46828	0.48133		
Se	0.49247	1.527	0.48411	0.49868	0.49463		
Sn	0.49955	0.366	0.49751	0.50105	0.50008		
Sr	0.49192	0.173	0.49122	0.49166	0.49287		
Ti	0.50326	0.344	0.50130	0.50391	0.50458		
Tl	0.49270	1.920	0.48185	0.49922	0.49704		
V	0.50091	0.449	0.49853	0.50118	0.50301		
Y	51208.66796	0.665	50816.00000	51380.00000	51430.00000		
Zn	0.48578	0.455	0.48323	0.48695	0.48716		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 11 CCB 09/24/96 22:55

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00023	75.64	0.00029	0.00038	0.00003		
Al	0.04316	16.11	0.05107	0.03800	0.04041		
As	0.00035	169.1	0.00069	-0.00033	0.00068		
B	0.00421	0.333	0.00423	0.00420	0.00420		
Ba	0.00013	21.03	0.00016	0.00011	0.00013		
Be	-0.00021	32.23	-0.00017	-0.00016	-0.00029		
Ca	-0.00569	119.3	0.00214	-0.00978	-0.00944		
Cd	0.00005	442.5	-0.00020	0.00023	0.00012		
Co	0.00004	915.4	-0.00037	0.00033	0.00015		
Cr	0.00074	59.23	0.00064	0.00122	0.00036		
Cu	-0.00014	151.4	-0.00019	0.00009	-0.00033		
Fe	0.04264	30.02	0.05628	0.03088	0.04076		
K	0.11775	5.241	0.11625	0.12453	0.11247		
Mg	0.03929	22.91	0.04840	0.03906	0.03040		
Mn	0.00030	10.42	0.00032	0.00031	0.00026		
Mo	0.00186	49.51	0.00290	0.00155	0.00113		
Na	0.19796	36.43	0.17720	0.27820	0.13848		
Ni	0.00010	814.4	-0.00054	0.00102	-0.00017		
Pb	-0.00024	766.5	0.00164	-0.00021	-0.00217		
Sb	0.00614	38.58	0.00841	0.00633	0.00368		
Se	-0.00049	458.9	0.00154	-0.00292	-0.00010		
Sn	0.00211	35.58	0.00172	0.00164	0.00298		
Sr	0.00011	30.84	0.00014	0.00013	0.00007		
Ti	0.00013	53.73	0.00013	0.00021	0.00006		
Tl	0.00626	34.06	0.00852	0.00428	0.00597		
V	0.00047	159.4	-0.00012	0.00133	0.00023		
Y	51910.66796	0.294	51735.00000	52015.00000	51982.00000		
Zn	0.00015	320.2	0.00065	-0.00030	0.00010		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 12 PBW PBW 09/24/96 23:00
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00027	125.5	-0.00011	0.00041	0.00051		
Al	0.02260	36.44	0.01874	0.01701	0.03206		
As	-0.00104	101.3	-0.00223	-0.00018	-0.00071		
B	0.00833	10.36	0.00883	0.00733	0.00882		
Ba	0.00006	76.74	0.00002	0.00011	0.00005		
Be	-0.00069	73.97	-0.00028	-0.00051	-0.00126		
Ca	-0.03899	2.652	-0.03798	-0.04004	-0.03896	C	
Cd	-0.00002	678.3	0.00003	-0.00024	0.00011	E	
Co	0.00010	364.7	-0.00024	0.00003	0.00054		
Cr	0.00077	32.21	0.00088	0.00095	0.00048		
Cu	-0.00037	61.73	-0.00049	-0.00010	-0.00051		
Fe	0.03390	30.55	0.02198	0.04075	0.03896		
K	0.10751	7.349	0.09869	0.10988	0.11395		
Mg	0.01564	12.51	0.01669	0.01684	0.01338		
Mn	0.00086	8.437	0.00084	0.00079	0.00093		
Mo	-0.00002	2552.	0.00047	-0.00077	0.00021		
Na	0.22736	14.85	0.23988	0.18912	0.25308		
Ni	0.00049	107.0	0.00054	-0.00005	0.00099		
Pb	-0.00048	222.6	0.00002	0.00024	-0.00173		
Sb	0.00198	33.98	0.00175	0.00274	0.00145		
Se	-0.00030	1092.	-0.00290	-0.00138	0.00338		
Sn	0.00301	82.76	0.00346	0.00032	0.00524		
Sr	0.00005	10.20	0.00005	0.00005	0.00004		
Ti	0.00007	121.9	0.00000	0.00016	0.00005		
Tl	-0.00009	2265.	-0.00051	-0.00198	0.00221		
V	0.00043	61.30	0.00066	0.00014	0.00050		
Y	50955.33203	3.065	51996.00000	51711.00000	49159.00000		
Zn	0.00874	8.406	0.00790	0.00905	0.00927		

DUP050307332

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 13 LCSW LCSW 09/24/96 23:04
****,1-1,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
✓Ag	0.05169	0.557	0.05154	0.05203	0.05152		
✓Al	2.16348	0.161	2.16255	2.16735	2.16053		
As	2.07037	0.293	2.06961	2.06471	2.07679		
B	2.10931	0.244	2.10344	2.11132	2.11316		
✓Ba	2.05673	0.124	2.05385	2.05870	2.05765		
✓Be	0.05182	0.023	0.05181	0.05183	0.05182		
Ca	4.19189	0.145	4.18787	4.18889	4.19889	C	
Cd	0.05170	0.135	0.05173	0.05174	0.05161	E	
✓Co	0.51123	0.123	0.51062	0.51120	0.51188		
✓Cr	0.21049	0.021	0.21045	0.21048	0.21054		
✓Cu	0.25782	0.085	0.25789	0.25800	0.25757		
✓Fe	1.08889	0.709	1.08744	1.09724	1.08198		
✓K	3.96498	0.135	3.96334	3.96063	3.97097		
✓Mg	2.06302	0.362	2.05544	2.07040	2.06320		
✓Mn	0.51804	0.123	0.51741	0.51802	0.51869		
Mo	2.10835	0.656	2.09314	2.11173	2.12018		
✓Na	4.02515	4.161	4.11783	3.83179	4.12583		
✓Ni	0.52113	0.248	0.52080	0.52003	0.52256		
Pb	0.51889	0.042	0.51868	0.51887	0.51911		
✓Sb	0.53543	0.781	0.54013	0.53407	0.53209		
Se	2.07232	0.488	2.06082	2.07989	2.07626		
Sn	4.20968	0.033	4.20804	4.21033	4.21066		
Sr	1.02592	0.103	1.02470	1.02656	1.02651		
Ti	1.03188	0.164	1.02993	1.03265	1.03306		
Tl	2.06717	1.259	2.03728	2.08501	2.07921		
✓V	0.52717	0.193	0.52638	0.52681	0.52832		
Y	51534.00000	0.142	51521.00000	51468.00000	51613.00000		
✓Zn	0.52515	0.268	0.52442	0.52426	0.52678		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 14 2583226 RD3DF 09/24/96 23:09
U***.100-100.DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00025	67.51	0.00014	0.00045	0.00017		
X Al	0.01058	24.39	0.01222	0.01190	0.00760		
As	0.00149	107.8	-0.00036	0.00243	0.00240		
B	0.44955	0.467	0.44871	0.45195	0.44801		
X Ba	0.15338	0.245	0.15331	0.15379	0.15305		
X Be	-0.00054	25.99	-0.00038	-0.00066	-0.00058		
Ca	68.93593	0.657	68.41291	69.19118	69.20369	C	
Cd	-0.00020	55.57	-0.00031	-0.00009	-0.00019	E	
X Co	0.00290	11.28	0.00263	0.00281	0.00327		
X Cr	0.00030	156.4	-0.00012	0.00081	0.00022		
X Cu	-0.00021	163.5	0.00018	-0.00037	-0.00046		
X Fe	0.02845	20.96	0.02271	0.02801	0.03462		
X K	2.96150	0.086	2.96381	2.96195	2.95873		
X Mg	28.77709	0.408	28.66698	28.90110	28.76318		
X Mn	0.79115	0.466	0.78692	0.79372	0.79280		
Mo	0.01488	14.37	0.01712	0.01465	0.01286		
Na	52.88848	0.126	52.91938	52.93439	52.81166	G	
X Ni	0.00506	23.14	0.00437	0.00642	0.00439		
Pb	0.00034	368.6	0.00156	0.00043	-0.00096		
X Sb	0.00141	210.3	-0.00175	0.00415	0.00184		
Se	-0.00001	5192.	0.00053	0.00016	-0.00073		
Sn	0.00252	49.24	0.00144	0.00224	0.00388		
Sr	0.54757	0.284	0.54632	0.54931	0.54709		
Ti	0.00027	27.66	0.00035	0.00019	0.00027		
Tl	0.00270	75.86	0.00498	0.00210	0.00101		
X V	0.00087	30.11	0.00096	0.00108	0.00057		
Y	51366.00000	0.431	51244.00000	51232.00000	51622.00000		
X Zn	0.01179	6.431	0.01122	0.01150	0.01265		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 15 2583226 RD3DFA 09/24/96 23:13
UP**,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02136	1.779	0.02100	0.02176	0.02132		
Al	0.43859	0.632	0.43926	0.44096	0.43553		
As	0.02103	5.581	0.02072	0.02233	0.02005		
B	0.64872	0.271	0.64748	0.65073	0.64795		
Ba	0.55734	0.317	0.55530	0.55825	0.55847		
Be	0.00996	1.217	0.00987	0.01009	0.00990		
Ca	68.88213	0.281	68.78272	68.75846	69.10520		
Cd	0.00995	2.229	0.00971	0.00997	0.01016		
Co	0.10520	0.323	0.10554	0.10486	0.10520		
Cr	0.02085	3.000	0.02068	0.02033	0.02155		
Cu	0.05100	1.103	0.05054	0.05163	0.05083		
Fe	0.25304	5.655	0.24680	0.26942	0.24292		
K	5.03544	0.490	5.00823	5.04162	5.05648		
Mg	29.33096	0.236	29.25507	29.39129	29.34653		
Mn	0.80828	0.270	0.80669	0.80738	0.81077		
Mo	0.21052	0.561	0.20919	0.21144	0.21094		
Na	53.71411	0.570	53.43099	53.67198	54.03935		
Ni	0.08628	0.843	0.08579	0.08712	0.08593		
Pb	0.01163	10.53	0.01170	0.01282	0.01037		
Sb	0.11423	1.772	0.11481	0.11198	0.11591		
Se	0.00941	15.39	0.01108	0.00862	0.00852		
Sn	0.56380	0.538	0.56180	0.56231	0.56729		
Sr	0.55691	0.259	0.55528	0.55746	0.55801		
Ti	0.10385	0.248	0.10356	0.10395	0.10405		
Tl	0.02234	16.14	0.02225	0.02599	0.01878		
V	0.10363	0.647	0.10298	0.10360	0.10432		
Y	51035.66796	0.114	50996.00000	51008.00000	51103.00000		
Zn	0.05705	1.229	0.05672	0.05657	0.05785		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 16 2583226 RD30FD 09/24/96 23:17
D***,100-100,DF1,962685720002,8,.

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00000	2105.	-0.00016	0.00001	0.00017		
Al	0.00826	34.34	0.00708	0.01151	0.00621		
As	0.00028	915.6	-0.00253	0.00088	0.00249		
B	0.43597	0.378	0.43539	0.43469	0.43784		
Ba	0.14949	0.303	0.14902	0.14992	0.14953		
Be	-0.00039	16.24	-0.00032	-0.00042	-0.00043		
Ca	67.72151	0.330	67.69328	67.51300	67.95824	C	
Cd	-0.00004	251.2	0.00005	-0.00001	-0.00016	E	
Co	0.00190	36.30	0.00204	0.00115	0.00251		
Cr	0.00047	17.52	0.00043	0.00040	0.00056		
Cu	-0.00046	44.37	-0.00063	-0.00052	-0.00023		
Fe	0.02206	39.74	0.02311	0.01281	0.03025		
K	2.92047	0.114	2.92406	2.91740	2.91997		
Mg	28.18379	0.129	28.14248	28.19722	28.21165		
Mn	0.77067	0.178	0.76995	0.76980	0.77226		
Mo	0.01102	9.303	0.01218	0.01024	0.01064		
Na	51.70436	0.076	51.70823	51.74161	51.66323	G	
Ni	0.00581	12.43	0.00663	0.00525	0.00556		
Pb	0.00012	677.4	0.00111	-0.00031	-0.00041		
Sb	0.00041	455.9	0.00183	0.00111	-0.00171		
Se	-0.00073	143.1	-0.00041	0.00011	-0.00190		
Sn	0.00242	34.47	0.00334	0.00171	0.00222		
Sr	0.53595	0.191	0.53507	0.53708	0.53571		
Ti	-0.00007	116.6	-0.00016	-0.00010	0.00002		
Tl	0.00535	46.66	0.00812	0.00468	0.00326		
V	0.00086	40.98	0.00128	0.00067	0.00065		
Y	51309.33203	0.132	51368.00000	51235.00000	51325.00000		
Zn	0.00917	0.768	0.00925	0.00914	0.00912		

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LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 17 2583226 RD30FS 09/24/96 23:22
R***,100-100,DF1.962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
✓Ag	0.05221	2.016	0.05342	0.05161	0.05159		
✓Al	2.14582	2.769	2.20191	2.08355	2.15199		
As	0.04223	0.766	0.04205	0.04260	0.04203		
B	2.50975	2.132	2.55413	2.45031	2.52480		
✓Ba	2.16523	2.475	2.21357	2.10758	2.17453		
✓Be	0.05122	1.341	0.05179	0.05046	0.05141		
Ca	72.72531	1.908	74.17394	71.40739	72.59459	C	
Cd	0.05054	2.146	0.05160	0.04943	0.05058	E	
✓Co	0.51132	2.095	0.52161	0.50023	0.51212		
✓Cr	0.20705	1.748	0.21104	0.20398	0.20612		
✓Cu	0.25938	2.423	0.26472	0.25245	0.26098		
✓Fe	1.07213	1.222	1.08300	1.07582	1.05758		
✓K	7.25458	2.395	7.38560	7.05747	7.32066		
✓Mg	30.60723	2.300	31.27621	29.87265	30.67282		
✓Mn	1.29996	2.093	1.32679	1.27238	1.30071		
Mo	2.07931	1.871	2.11416	2.03733	2.08646		
Na	56.47587	1.956	57.38246	55.24474	56.80042	G	
✓Ni	0.51576	1.854	0.52622	0.50745	0.51362		
Pb	0.02084	8.824	0.01912	0.02278	0.02062		
✓Sb	0.52362	2.285	0.53609	0.51223	0.52253		
Se	0.00934	3.956	0.00911	0.00977	0.00915		
Sn	4.29438	1.949	4.38060	4.21339	4.28914		
Sr	1.59645	2.429	1.63226	1.55526	1.60182		
Ti	1.05570	2.210	1.07785	1.03133	1.05790		
Tl	0.05552	2.023	0.05434	0.05566	0.05658		
✓V	0.51819	2.033	0.52848	0.50742	0.51868		
Y	51025.00000	1.727	50080.00000	51825.00000	51170.00000		
✓Zn	0.51020	1.857	0.52063	0.50212	0.50785		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 18 2583226 RD3DFL 09/24/96 23:26
UL**,100-100,DF5.962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00003	1106.	0.00013	0.00030	-0.00035		
Al	0.00011	2218.	0.00031	0.00258	-0.00255		
As	0.00001	9696.	0.00064	0.00142	-0.00201		
B	0.09372	2.371	0.09575	0.09407	0.09135		
Ba	0.03065	0.431	0.03070	0.03074	0.03050		
Be	-0.00037	37.50	-0.00047	-0.00044	-0.00021		
Ca	13.58854	0.242	13.57057	13.62660	13.56846		
Cd	0.00010	80.98	0.00020	0.00006	0.00004		
Co	-0.00042	49.57	-0.00063	-0.00020	-0.00043		
Cr	0.00030	46.94	0.00044	0.00016	0.00029		
Cu	-0.00010	91.31	-0.00019	0.00000	-0.00012		
Fe	0.02933	28.50	0.03762	0.02948	0.02090		
K	0.62956	0.335	0.62973	0.63158	0.62737		
Mg	5.50081	0.312	5.49800	5.51923	5.48520		
Mn	0.15795	0.233	0.15776	0.15837	0.15771		
Mo	0.00492	53.80	0.00775	0.00453	0.00249		
Na	10.48541	1.174	10.61211	10.47810	10.36604		
Ni	0.00193	38.99	0.00211	0.00257	0.00110		
Pb	0.00000	45112	0.00022	-0.00114	0.00092		
Sb	0.00344	35.43	0.00371	0.00450	0.00210		
Se	0.00016	391.1	-0.00035	0.00086	-0.00002		
Sn	0.00251	46.71	0.00199	0.00168	0.00385		
Sr	0.10863	0.315	0.10881	0.10885	0.10824		
Ti	-0.00026	72.89	-0.00010	-0.00020	-0.00048		
Tl	-0.00137	33.57	-0.00132	-0.00186	-0.00094		
V	0.00060	43.42	0.00075	0.00075	0.00030		
Y	51282.66796	0.547	51030.00000	51233.00000	51585.00000		
Zn	0.00511	4.839	0.00500	0.00539	0.00494		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 19 2583222 RS5SF 09/24/96 23:31
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00029	44.14	0.00021	0.00023	0.00045		
X Al	0.00430	30.04	0.00281	0.00512	0.00497		
As	-0.00076	279.9	-0.00132	-0.00255	0.00159		
B	0.05345	1.135	0.05414	0.05317	0.05303		
X Ba	0.02826	0.219	0.02832	0.02820	0.02828		
X Be	-0.00055	11.34	-0.00048	-0.00057	-0.00059		
Ca	294.71853	0.501	296.42440	293.89859	293.83261	C	
Cd	-0.00001	1113.	-0.00006	0.00014	-0.00011	E	
X Co	0.00097	44.63	0.00085	0.00061	0.00145		
X Cr	0.00032	106.1	0.00000	0.00030	0.00068		
X Cu	-0.00032	83.98	-0.00063	-0.00017	-0.00015		
X Fe	-0.10746	11.02	-0.11586	-0.11262	-0.09391		
X K	3.65219	0.490	3.63694	3.67191	3.64771		
X Mg	99.64209	0.428	100.13279	99.35937	99.43412		
X Mn	0.34697	0.420	0.34864	0.34598	0.34627		
Mo	0.00218	38.50	0.00316	0.00164	0.00175		
X Na	46.07854	0.404	45.87762	46.24588	46.11213		
X Ni	0.00940	9.478	0.00969	0.00840	0.01011		
Pb	-0.00125	115.2	-0.00236	0.00037	-0.00176		
X Sb	0.00032	52.65	0.00049	0.00014	0.00033		
Se	0.02456	16.43	0.02000	0.02598	0.02769		
Sn	0.00072	120.6	0.00041	0.00004	0.00170		
Sr	0.58730	0.246	0.58894	0.58619	0.58678		
Ti	-0.00046	4.911	-0.00045	-0.00049	-0.00045		
Tl	-0.00004	2426.	0.00104	-0.00101	-0.00015		
X V	0.00062	63.83	0.00017	0.00092	0.00078		
Y	50389.66796	0.195	50483.00000	50399.00000	50287.00000		
X Zn	0.00887	2.961	0.00871	0.00873	0.00918		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 20 2583223 RS4DF 09/24/96 23:35
****,100-100,DF1.962685720002.8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00023	122.3	0.00054	-0.00001	0.00016		
X Al	0.04021	9.286	0.03605	0.04130	0.04327		
As	-0.00076	286.6	-0.00065	0.00136	-0.00300		
B	0.36655	0.437	0.36491	0.36811	0.36663		
X Ba	0.05073	0.648	0.05035	0.05091	0.05093		
X Be	-0.00055	10.79	-0.00055	-0.00061	-0.00049		
Ca	211.28497	0.342	210.64900	211.13452	212.07141	C	
Cd	0.00001	770.1	0.00008	0.00006	-0.00011	E	
X Co	0.00486	5.056	0.00486	0.00511	0.00462		
X Cr	0.00079	41.00	0.00116	0.00053	0.00069		
X Cu	0.00026	44.30	0.00040	0.00018	0.00021		
X Fe	0.11725	11.80	0.13019	0.10266	0.11890		
X K	4.25541	1.508	4.18877	4.26058	4.31688		
X Mg	84.14281	0.494	83.66310	84.40352	84.36180		
X Mn	0.73258	0.399	0.72935	0.73331	0.73507		
Mo	0.00604	16.35	0.00691	0.00625	0.00496		
Na	62.90862	0.981	62.25154	62.99785	63.47646	G	
X Ni	0.00536	10.45	0.00597	0.00488	0.00521		
Pb	0.00035	311.6	-0.00071	0.00149	0.00028		
X Sb	0.00040	299.5	0.00181	-0.00022	-0.00036		
+ Se	-0.00216	84.42	-0.00419	-0.00161	-0.00067		
Sn	0.00184	77.87	0.00337	0.00052	0.00162		
Sr	1.49062	0.719	1.47825	1.49623	1.49737		
Ti	0.00068	11.86	0.00077	0.00061	0.00066		
Tl	0.00657	17.71	0.00639	0.00782	0.00551		
X V	0.00067	37.01	0.00095	0.00048	0.00058		
Y	50775.66796	0.203	50845.00000	50657.00000	50825.00000		
X Zn	0.01003	9.990	0.01119	0.00954	0.00937		

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LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 21 2583224 4DDPF 09/24/96 23:39
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00026	26.42	0.00025	0.00033	0.00019		
X Al	0.00288	18.49	0.00265	0.00250	0.00349		
As	0.00038	631.6	0.00309	-0.00166	-0.00026		
B	0.31673	0.236	0.31647	0.31757	0.31614		
X Ba	0.04947	0.488	0.04920	0.04966	0.04955		
X Be	-0.00067	5.503	-0.00063	-0.00068	-0.00070		
Ca	214.06993	0.273	213.40110	214.48423	214.32444	C	
Cd	-0.00015	117.9	-0.00021	0.00005	-0.00029	E	
X Co	0.00447	5.917	0.00473	0.00421	0.00446		
X Cr	0.00017	490.8	-0.00077	0.00095	0.00034		
X Cu	-0.00037	60.42	-0.00012	-0.00042	-0.00057		
X Fe	0.03359	24.79	0.04034	0.02428	0.03614		
X K	4.06072	0.580	4.03462	4.08048	4.06706		
X Mg	84.83772	0.280	84.56331	84.98316	84.96667		
X Mn	0.71531	0.305	0.71282	0.71690	0.71622		
Mo	0.00649	17.09	0.00710	0.00521	0.00717		
Na	62.33151	0.409	62.03695	62.48110	62.47647	G	
X Ni	0.00521	17.93	0.00629	0.00471	0.00463		
Pb	0.00044	518.2	-0.00181	0.00036	0.00278		
X Sb	0.00000	10575	-0.00293	0.00127	0.00164		
Se	-0.00081	381.3	0.00072	-0.00440	0.00123		
Sn	0.00158	111.6	0.00014	0.00356	0.00105		
Sr	1.50005	0.372	1.49362	1.50379	1.50274		
Ti	-0.00030	14.08	-0.00025	-0.00033	-0.00031		
Tl	0.00165	256.8	-0.00241	0.00604	0.00132		
X V	0.00024	171.3	-0.00019	0.00028	0.00062		
Y	49882.33203	0.381	50092.00000	49834.00000	49721.00000		
X Zn	0.01422	1.389	0.01420	0.01442	0.01403		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 22 CCV 09/24/96 23:44

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.50649	1.549	0.50360	0.51538	0.50051		
Al	25.70291	1.403	25.63928	26.09114	25.37832		
As	0.51087	2.314	0.50241	0.52439	0.50582		
B	0.51520	1.526	0.51353	0.52377	0.50831		
Ba	0.49446	1.580	0.49223	0.50314	0.48799		
Be	0.51989	1.549	0.51615	0.52914	0.51439		
Ca	26.64335	1.443	26.46556	27.08460	26.37989		
Cd	0.50685	1.718	0.50287	0.51684	0.50085		
Co	0.50667	1.568	0.50369	0.51567	0.50065		
Cr	0.51660	1.511	0.51306	0.52556	0.51119		
Cu	0.50591	1.626	0.50358	0.51505	0.49910		
Fe	26.15878	1.544	25.98394	26.62075	25.87163		
K	26.18662	1.165	26.18972	26.49015	25.87999		
Mg	25.88775	1.703	25.71452	26.38906	25.55968		
Mn	0.51056	1.563	0.50695	0.51971	0.50501		
Mo	0.51679	1.303	0.51110	0.52423	0.51505		
Na	25.98676	1.150	25.90622	26.31772	25.73635		
Ni	0.50941	1.544	0.50733	0.51811	0.50279		
Pb	0.50449	1.421	0.49996	0.51276	0.50076		
Sb	0.48168	1.970	0.47251	0.49146	0.48106		
Se	0.50127	1.810	0.49599	0.51176	0.49608		
Sn	0.51492	1.852	0.50989	0.52592	0.50895		
Sr	0.49813	1.598	0.49566	0.50704	0.49170		
Ti	0.51657	1.494	0.51337	0.52538	0.51096		
Tl	0.50397	1.615	0.49666	0.51275	0.50250		
V	0.51759	1.484	0.51473	0.52629	0.51174		
Y	50518.00000	1.292	50537.00000	49856.00000	51161.00000		
Zn	0.51454	1.384	0.51062	0.52276	0.51024		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 23 CCB 09/24/96 23:48

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	-0.00004	583.4	-0.00028	0.00021	-0.00006		
Al	-0.00012	1683.	0.00111	0.00097	-0.00245		
As	-0.00200	42.80	-0.00107	-0.00219	-0.00275		
B	0.00358	4.289	0.00349	0.00376	0.00349		
Ba	0.00009	11.85	0.00009	0.00009	0.00007		
Be	-0.00029	41.17	-0.00015	-0.00037	-0.00034		
Ca	-0.02570	19.49	-0.01993	-0.02826	-0.02892		
Cd	-0.00002	255.0	0.00005	-0.00006	-0.00006		
Co	-0.00005	341.7	-0.00021	0.00014	-0.00009		
Cr	0.00017	95.39	0.00029	-0.00001	0.00023		
Cu	-0.00020	176.9	-0.00057	0.00016	-0.00022		
Fe	0.02079	18.76	0.01632	0.02348	0.02259		
K	0.10873	6.124	0.10121	0.11112	0.11387		
Mg	0.00832	22.64	0.01036	0.00664	0.00796		
Mn	0.00024	4.805	0.00025	0.00023	0.00023		
Mo	0.00111	69.12	0.00185	0.00115	0.00031		
Na	0.18134	18.63	0.20585	0.14280	0.19538		
Ni	0.00058	147.9	0.00132	-0.00036	0.00079		
Pb	-0.00035	359.1	-0.00179	0.00005	0.00067		
Sb	0.00511	55.97	0.00738	0.00604	0.00189		
Se	-0.00112	109.5	-0.00016	-0.00069	-0.00250		
Sn	-0.00020	767.8	0.00072	-0.00206	0.00070		
Sr	0.00023	24.49	0.00029	0.00020	0.00018		
Ti	0.00009	50.88	0.00005	0.00014	0.00009		
Tl	0.00000	55161	0.00134	0.00248	-0.00380		
V	-0.00015	177.7	-0.00040	-0.00019	0.00013		
Y	51160.66796	0.084	51162.00000	51117.00000	51203.00000		
Zn	0.00058	13.73	0.00053	0.00053	0.00067		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 24 2583225 RA4SF 09/24/96 23:53
****,100-100,DF1;962685720002,8,,

FLEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00007	220.8	-0.00009	0.00020	0.00010		
X Al	0.00147	167.1	-0.00135	0.00307	0.00269		
As	0.00173	94.51	-0.00002	0.00201	0.00321		
B	0.06753	0.228	0.06769	0.06738	0.06753		
X Ba	0.10980	0.577	0.10918	0.11044	0.10979		
X Be	-0.00048	32.14	-0.00031	-0.00061	-0.00051		
Ca	128.95361	0.724	128.15255	129.97949	128.72879	C	
Cd	0.00009	90.78	0.00018	0.00000	0.00010	E	
X Co	0.00446	4.968	0.00468	0.00424	0.00446		
X Cr	0.00067	51.62	0.00044	0.00108	0.00050		
X Cu	0.00017	112.0	0.00024	0.00031	-0.00004		
X Fe	-0.03702	28.34	-0.04914	-0.03069	-0.03124		
X K	2.11816	0.438	2.10833	2.12681	2.11934		
X Mg	50.68542	0.609	50.43771	51.03158	50.58698		
X Mn	0.67471	0.644	0.67094	0.67947	0.67373		
Mo	0.00238	28.73	0.00236	0.00308	0.00171		
X Na	36.32926	0.604	36.09600	36.53194	36.35983		
X Ni	0.01330	1.066	0.01316	0.01329	0.01345		
Pb	-0.00061	14.69	-0.00053	-0.00071	-0.00059		
X Sb	0.00125	218.2	0.00041	0.00432	-0.00096		
Se	0.00262	16.94	0.00210	0.00288	0.00287		
Sn	0.00096	257.1	-0.00105	0.00371	0.00022		
Sr	0.34095	0.520	0.33936	0.34286	0.34064		
Ti	-0.00017	40.37	-0.00025	-0.00015	-0.00011		
Tl	0.00047	340.6	0.00235	-0.00033	-0.00058		
X V	0.00112	21.51	0.00091	0.00139	0.00106		
Y	50568.00000	0.550	50845.00000	50288.00000	50571.00000		
X Zn	0.01119	5.000	0.01061	0.01173	0.01124		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 25 2583227 RA3SF 09/24/96 23:57
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00024	99.97	-0.00001	0.00028	0.00045		
X Al	0.14470	8.151	0.15790	0.14101	0.13519		
As	0.00308	61.97	0.00088	0.00430	0.00407		
B	0.06088	1.556	0.06014	0.06056	0.06195		
X Ba	0.07303	0.293	0.07316	0.07278	0.07315		
X Be	-0.00053	14.74	-0.00055	-0.00044	-0.00060		
Ca	228.60113	0.432	228.61134	227.60835	229.58369	C	
Cd	0.00013	81.25	0.00020	0.00020	0.00000	E	
X Co	0.00058	48.19	0.00041	0.00090	0.00042		
X Cr	0.00063	62.78	0.00066	0.00022	0.00101		
X Cu	0.00062	47.03	0.00028	0.00078	0.00080		
X Fe	0.10191	30.53	0.07465	0.09526	0.13582		
X K	2.94722	0.331	2.93659	2.94921	2.95585		
X Mg	90.73548	0.286	90.85043	90.43773	90.91829		
X Mn	0.19734	0.379	0.19751	0.19651	0.19798		
Mo	0.00587	17.27	0.00484	0.00687	0.00591		
Na	56.79251	0.241	56.75139	56.68053	56.94561	G	
X Ni	0.00988	7.450	0.00975	0.01067	0.00922		
Pb	0.00103	118.2	0.00075	0.00237	-0.00002		
X Sb	0.00915	17.24	0.00841	0.01096	0.00807		
Se	0.03086	5.924	0.03253	0.03114	0.02890		
Sn	0.00199	43.49	0.00101	0.00264	0.00232		
Sr	0.69788	0.288	0.69900	0.69556	0.69909		
Ti	0.00405	9.044	0.00447	0.00379	0.00388		
Tl	0.00050	447.1	-0.00188	0.00259	0.00080		
X V	0.00327	4.926	0.00314	0.00345	0.00322		
Y	50167.33203	0.528	49902.00000	50432.00000	50168.00000		
X Zn	0.01678	1.253	0.01654	0.01693	0.01688		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 26 2583830 2ODIS 09/25/96 00:01
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	-0.00040	97.17	-0.00085	-0.00010	-0.00025		
X Al	0.00004	2603.	-0.00081	-0.00028	0.00122		
As	-0.00261	52.41	-0.00327	-0.00353	-0.00104		
B	0.31934	0.355	0.31816	0.31944	0.32042		
X Ba	0.11264	0.666	0.11343	0.11254	0.11194		
X Be	-0.00034	25.64	-0.00043	-0.00026	-0.00031		
Ca	74.56600	0.166	74.69541	74.44797	74.55464	C	
Cd	-0.00032	52.35	-0.00049	-0.00031	-0.00015	E	
X Co	0.00037	14.63	0.00043	0.00032	0.00038		
X Cr	0.00007	217.9	0.00024	-0.00006	0.00003		
X Cu	-0.00047	47.78	-0.00070	-0.00025	-0.00045		
X Fe	0.20694	9.298	0.18578	0.21163	0.22340		
X K	5.78812	1.075	5.85269	5.78315	5.72852		
X Mg	31.47292	0.407	31.61358	31.44233	31.36285		
X Mn	0.24479	0.259	0.24553	0.24438	0.24447		
Mo	0.00911	4.949	0.00860	0.00946	0.00927		
Na	50.93051	0.559	51.23508	50.88600	50.67045	G	
X Ni	0.00128	59.62	0.00065	0.00106	0.00214		
Pb	-0.00071	229.7	-0.00179	0.00116	-0.00150		
X Sb	-0.00229	83.28	-0.00435	-0.00195	-0.00057		
Se	-0.00180	96.96	-0.00363	-0.00015	-0.00161		
Sn	0.00242	27.05	0.00197	0.00211	0.00317		
Sr	0.54488	0.653	0.54885	0.54385	0.54195		
Ti	-0.00008	104.4	-0.00016	-0.00007	0.00000		
Tl	0.00532	50.23	0.00373	0.00841	0.00383		
X V	0.00039	70.39	0.00023	0.00023	0.00072		
Y	50799.00000	0.950	50247.00000	51007.00000	51143.00000		
X Zn	0.00924	3.148	0.00949	0.00892	0.00932		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 27 2583831 2SDIS 09/25/96 00:06
****.100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00030	184.9	-0.00025	0.00030	0.00087		
X Al	0.03609	11.33	0.03826	0.03137	0.03864		
As	0.00030	327.5	-0.00059	0.00013	0.00136		
B	0.13435	0.938	0.13351	0.13580	0.13374		
X Ba	0.07338	0.801	0.07283	0.07331	0.07400		
X Be	-0.00044	55.58	-0.00021	-0.00040	-0.00070		
Ca	194.00143	0.381	193.22283	194.69535	194.08610	C	
Cd	0.00011	118.6	0.00001	0.00026	0.00005	E	
X Co	0.00065	34.54	0.00049	0.00055	0.00091		
X Cr	0.00101	59.65	0.00066	0.00170	0.00066		
X Cu	-0.00005	175.0	-0.00002	-0.00017	0.00002		
X Fe	-0.02766	21.65	-0.03294	-0.02115	-0.02889		
X K	6.33551	0.749	6.29110	6.32983	6.38561		
X Mg	80.10479	0.531	79.64100	80.19626	80.47711		
X Mn	0.26583	0.489	0.26433	0.26663	0.26653		
Mo	0.00229	16.49	0.00185	0.00256	0.00244		
Na	55.68647	0.994	55.10489	55.74742	56.20712	G	
X Ni	0.00313	11.66	0.00272	0.00324	0.00343		
Pb	-0.00035	104.9	0.00000	-0.00073	-0.00032		
X Sb	0.00087	133.3	-0.00022	0.00075	0.00210		
Se	0.02384	6.690	0.02566	0.02269	0.02316		
Sn	0.00119	93.49	0.00119	0.00007	0.00231		
Sr	0.68445	0.739	0.67940	0.68443	0.68952		
Ti	0.00106	25.80	0.00075	0.00122	0.00123		
Tl	0.00243	48.68	0.00372	0.00139	0.00219		
X V	0.00069	14.18	0.00073	0.00076	0.00058		
Y	50438.00000	0.709	50722.00000	50556.00000	50036.00000		
X Zn	0.01005	10.13	0.00938	0.00955	0.01122		

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LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 28 2583832 10DIS 09/25/96 00:10
****,100-100,DF1,962685720002.8,,

	ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X	Ag	0.00003	496.7	0.00025	-0.00006	-0.00007		
X	Al	0.01009	17.02	0.00970	0.00860	0.01197		
	As	-0.00044	436.0	-0.00009	-0.00253	0.00129		
	B	0.30898	0.230	0.30819	0.30917	0.30957		
X	Ba	0.12397	0.291	0.12366	0.12437	0.12389		
X	Be	-0.00069	3.749	-0.00066	-0.00071	-0.00070		
	Ca	104.59131	0.867	103.86262	104.30334	105.60798	C	
	Cd	-0.00017	80.10	-0.00025	-0.00001	-0.00024	E	
X	Co	0.00121	27.58	0.00085	0.00152	0.00127		
X	Cr	0.00035	145.8	0.00075	-0.00022	0.00053		
X	Cu	-0.00058	29.45	-0.00071	-0.00066	-0.00038		
X	Fe	0.32859	2.351	0.31986	0.33137	0.33454		
X	K	3.12587	0.559	3.11998	3.14554	3.11208		
X	Mg	31.75245	0.484	31.57907	31.80631	31.87196		
X	Mn	0.76244	0.598	0.75821	0.76185	0.76728		
	Mo	0.00795	8.827	0.00721	0.00861	0.00804		
	Na	50.36048	0.485	50.46219	50.53747	50.08179	G	
X	Ni	0.00134	16.32	0.00115	0.00130	0.00158		
	Pb	0.00015	345.8	0.00007	0.00072	-0.00033		
X	Sb	0.00020	793.0	0.00191	-0.00130	0.00000		
	Se	-0.00250	63.26	-0.00096	-0.00240	-0.00413		
	Sn	0.00064	188.2	-0.00020	0.00205	0.00010		
	Sr	0.55556	0.349	0.55354	0.55742	0.55572		
	Ti	-0.00017	20.16	-0.00017	-0.00021	-0.00014		
	Tl	0.00009	2042.	-0.00204	0.00172	0.00060		
X	V	0.00003	764.5	0.00025	0.00003	-0.00020		
	Y	50441.00000	0.287	50397.00000	50323.00000	50603.00000		
X	Zn	0.00951	6.077	0.01018	0.00921	0.00915		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 29 2583833 /SDIS 09/25/96 00:15
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	-0.00018	320.3	0.00035	-0.00081	-0.00009		
X Al	0.04471	8.067	0.04805	0.04088	0.04519		
As	-0.00113	253.0	0.00179	-0.00392	-0.00126		
B	0.05408	2.876	0.05584	0.05289	0.05351		
X Ba	0.07486	0.753	0.07551	0.07453	0.07454		
X Be	-0.00084	28.28	-0.00107	-0.00084	-0.00060		
Ca	169.83081	0.600	170.85575	168.81724	169.81942	C	
Cd	-0.00005	128.5	-0.00013	-0.00002	0.00000	E	
X Co	-0.00039	30.19	-0.00026	-0.00049	-0.00042		
X Cr	0.00113	18.25	0.00136	0.00097	0.00106		
X Cu	+0.00075	29.89	-0.00067	-0.00100	-0.00057		
X Fe	-0.00325	924.7	0.02370	-0.03578	0.00230		
X K	1.67737	0.929	1.69473	1.67284	1.66455		
X Mg	60.10843	0.592	60.51211	59.83720	59.97599		
X Mn	0.00692	2.051	0.00708	0.00683	0.00684		
Mo	0.00113	66.85	0.00192	0.00040	0.00109		
X Na	41.97229	0.682	42.20974	42.05309	41.65402		
X Ni	0.00166	7.889	0.00175	0.00151	0.00173		
Pb	-0.00096	77.30	-0.00179	-0.00079	-0.00032		
X Sb	0.00057	377.4	0.00249	-0.00179	0.00103		
Se	0.15963	2.420	0.16386	0.15873	0.15629		
Sn	0.00182	74.06	0.00328	0.00062	0.00156		
Sr	0.43755	0.593	0.44050	0.43655	0.43559		
Ti	0.00097	27.45	0.00116	0.00067	0.00110		
Tl	0.00336	134.3	0.00609	-0.00185	0.00585		
X V	0.00077	33.31	0.00107	0.00062	0.00063		
Y	49649.00000	0.888	49199.00000	49667.00000	50081.00000		
X Zn	0.01199	2.693	0.01187	0.01174	0.01235		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 30 2583834 FBIDS 09/25/96 00:19
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
X Ag	0.00040	77.76	0.00011	0.00035	0.00073		
X Al	0.00924	12.11	0.00865	0.01053	0.00853		
As	-0.00160	118.4	-0.00158	-0.00352	0.00028		
B	0.03213	2.611	0.03254	0.03117	0.03269		
X Ba	0.00173	2.648	0.00168	0.00173	0.00177		
X Be	-0.00061	12.14	-0.00053	-0.00068	-0.00061		
Ca	0.01010	167.9	0.02923	0.00424	-0.00316	C	
Cd	-0.00006	591.9	-0.00004	-0.00045	0.00031	E	
X Co	0.00027	207.8	-0.00017	0.00007	0.00091		
X Cr	0.00035	463.4	0.00118	-0.00152	0.00139		
X Cu	0.00019	30.23	0.00012	0.00024	0.00022		
X Fe	0.02633	17.14	0.02158	0.02684	0.03056		
X K	0.11370	14.17	0.12048	0.09530	0.12532		
X Mg	0.01619	28.60	0.02110	0.01189	0.01560		
X Mn	0.00143	14.10	0.00161	0.00121	0.00148		
Mo	-0.00057	140.7	0.00034	-0.00091	-0.00114		
X Na	0.20996	78.79	0.28519	0.02028	0.32442		
X Ni	0.00043	236.9	0.00038	-0.00056	0.00148		
Pb	0.00098	106.7	0.00127	-0.00018	0.00186		
X Sb	0.00135	98.55	-0.00001	0.00142	0.00264		
Se	-0.00015	356.0	0.00043	-0.00025	-0.00064		
Sn	0.00023	789.9	0.00100	-0.00187	0.00157		
Sr	0.00028	32.59	0.00037	0.00018	0.00028		
Ti	0.00024	28.58	0.00023	0.00018	0.00031		
Tl	0.00000	41512	-0.00112	0.00128	-0.00015		
X V	0.00011	936.9	0.00074	-0.00111	0.00070		
Y	50660.00000	0.612	50305.00000	50795.00000	50880.00000		
X Zn	0.01169	2.922	0.01201	0.01133	0.01173		

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LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 31 CRI 09/25/96 00:23

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02119	1.631	0.02119	0.02154	0.02085		
Al	-0.00464	35.47	-0.00427	-0.00645	-0.00321		
As	0.01827	8.472	0.01988	0.01815	0.01680		
B	0.01050	3.749	0.01084	0.01007	0.01058		
Ba	0.00018	31.01	0.00013	0.00024	0.00016		
Be	0.01062	1.622	0.01080	0.01045	0.01061		
Ca	-0.04465	2.650	-0.04366	-0.04432	-0.04596		
Cd	0.01044	0.743	0.01051	0.01036	0.01045		
Co	0.10618	0.730	0.10707	0.10566	0.10580		
Cr	0.02170	1.603	0.02146	0.02155	0.02210		
Cu	0.05114	0.646	0.05148	0.05111	0.05082		
Fe	0.02754	15.79	0.02705	0.02345	0.03211		
K	0.10678	6.794	0.10546	0.10027	0.11460		
Mg	0.00138	231.5	-0.00063	0.00507	-0.00029		
Mn	0.03197	0.823	0.03226	0.03176	0.03188		
Mo	-0.00005	1584.	-0.00100	0.00032	0.00051		
Na	0.11842	63.96	0.03408	0.14051	0.18066		
Ni	0.08592	0.250	0.08576	0.08584	0.08617		
Pb	0.00649	11.70	0.00717	0.00664	0.00567		
Sb	0.11887	1.713	0.11921	0.12071	0.11668		
Se	0.00754	17.93	0.00721	0.00639	0.00903		
Sn	-0.00080	82.82	-0.00100	-0.00006	-0.00134		
Sr	0.00005	5.796	0.00004	0.00005	0.00005		
Ti	0.00006	116.2	-0.00001	0.00008	0.00014		
Tl	0.02323	10.39	0.02086	0.02569	0.02313		
V	0.10855	0.434	0.10909	0.10823	0.10833		
Y	51743.66796	0.015	51739.00000	51739.00000	51753.00000		
Zn	0.04375	2.307	0.04412	0.04261	0.04452		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 32 ICSA 09/25/96 00:28

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	-0.00011	113.3	-0.00026	-0.00004	-0.00003		
Al	536.67504	0.199	536.15130	535.96539	537.90838		
As	-0.00006	3464.	-0.00221	0.00234	-0.00033		
B	0.04781	1.130	0.04777	0.04730	0.04837		
Ba	0.00842	0.837	0.00843	0.00835	0.00849		
Be	-0.00001	1023.	0.00006	0.00003	-0.00012		
Ca	552.59082	0.316	553.48040	550.57751	553.71459		
Cd	-0.01004	4.314	-0.01047	-0.00961	-0.01004		
Co	0.00127	7.682	0.00116	0.00129	0.00135		
Cr	0.00125	54.05	0.00098	0.00202	0.00075		
Cu	-0.00153	3.660	-0.00153	-0.00147	-0.00158		
Fe	218.02842	0.281	218.36997	217.31874	218.39656		
K	0.10276	1.075	0.10149	0.10351	0.10329		
Mg	556.43829	0.289	557.11791	554.59906	557.59796		
Mn	0.00629	0.525	0.00625	0.00631	0.00630		
Mo	-0.00026	786.2	0.00215	-0.00141	-0.00154		
Na	0.18459	40.73	0.12206	0.26801	0.16370		
Ni	0.00014	395.7	0.00037	-0.00050	0.00056		
Pb	-0.00281	27.30	-0.00315	-0.00193	-0.00336		
Sb	0.01178	25.28	0.00852	0.01435	0.01247		
Se	-0.00894	15.93	-0.00854	-0.01052	-0.00776		
Sn	0.00815	24.24	0.01032	0.00769	0.00644		
Sr	0.02106	0.171	0.02105	0.02103	0.02110		
Ti	-0.00109	7.595	-0.00118	-0.00101	-0.00108		
Tl	-0.00168	287.5	0.00387	-0.00505	-0.00388		
V	0.00041	99.77	0.00088	0.00025	0.00010		
Y	47497.33203	0.257	47450.00000	47636.00000	47406.00000		
Zn	0.00380	9.510	0.00349	0.00370	0.00420		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 33 ICSAB 09/25/96 00:32

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.22310	0.062	0.22294	0.22313	0.22322		
Al	533.19226	0.135	533.89636	532.45196	533.22845		
As	0.11005	3.489	0.10756	0.11448	0.10813		
B	0.02955	4.556	0.03089	0.02957	0.02820		
Ba	0.53523	0.246	0.53664	0.53403	0.53503		
Be	0.52056	0.356	0.51843	0.52146	0.52180		
Ca	550.36755	0.431	547.63275	551.57727	551.89270		
Cd	0.99980	0.463	0.99447	1.00217	1.00277		
Co	0.51668	0.363	0.51456	0.51815	0.51733		
Cr	0.52901	0.501	0.52595	0.53041	0.53067		
Cu	0.55439	0.276	0.55606	0.55305	0.55406		
Fe	216.33816	0.358	215.44909	216.68827	216.87713		
K	0.10788	8.699	0.09757	0.11593	0.11012		
Mg	551.69232	0.120	551.02014	551.70568	552.35119		
Mn	0.52765	0.226	0.52628	0.52823	0.52844		
Mo	0.00030	212.8	0.00016	0.00100	-0.00025		
Na	0.19433	60.46	0.10011	0.32599	0.15690		
Ni	1.00837	0.462	1.00345	1.01273	1.00893		
Pb	0.04999	2.994	0.04878	0.04953	0.05167		
Sb	0.64336	0.622	0.63874	0.64585	0.64549		
Se	0.04376	2.316	0.04436	0.04434	0.04259		
Sn	0.00560	25.60	0.00720	0.00443	0.00517		
Sr	0.02089	0.182	0.02090	0.02091	0.02084		
Ti	-0.00098	9.470	-0.00109	-0.00092	-0.00094		
Tl	0.10046	4.929	0.10028	0.09560	0.10550		
V	0.53997	0.197	0.53897	0.54109	0.53986		
Y	47708.00000	0.340	47522.00000	47822.00000	47780.00000		
Zn	1.01145	0.664	1.00374	1.01457	1.01605		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 34 CCV 09/25/96 00:37

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.51608	2.349	0.52997	0.50763	0.51063		
Al	26.14243	2.335	26.84052	25.70780	25.87898		
As	0.52287	2.173	0.53587	0.51481	0.51793		
B	0.52563	2.455	0.54044	0.51678	0.51968		
Ba	0.50325	2.236	0.51612	0.49527	0.49836		
Be	0.53524	2.747	0.55220	0.52606	0.52746		
Ca	27.51834	2.939	28.45128	27.01041	27.09332		
Cd	0.52399	2.887	0.54146	0.51517	0.51534		
Co	0.52070	2.523	0.53569	0.51118	0.51522		
Cr	0.53137	2.730	0.54799	0.52124	0.52487		
Cu	0.51346	2.018	0.52529	0.50598	0.50911		
Fe	26.81942	2.687	27.64829	26.34124	26.46873		
K	26.40522	1.702	26.89765	26.01649	26.30151		
Mg	26.44093	2.510	27.20409	25.99675	26.12197		
Mn	0.52510	2.704	0.54146	0.51594	0.51791		
Mo	0.53191	2.434	0.54649	0.52176	0.52747		
Na	26.32798	1.839	26.86821	25.93251	26.18322		
Ni	0.52600	2.686	0.54226	0.51673	0.51901		
Pb	0.51775	2.177	0.53053	0.50921	0.51350		
Sb	0.49765	1.164	0.50378	0.49226	0.49691		
Se	0.51587	1.059	0.52214	0.51215	0.51331		
Sn	0.53069	3.270	0.55067	0.51936	0.52203		
Sr	0.50918	2.431	0.52339	0.50072	0.50343		
Ti	0.52808	2.500	0.54323	0.51904	0.52196		
Tl	0.52017	2.603	0.53525	0.50904	0.51623		
V	0.53035	2.479	0.54551	0.52203	0.52352		
Y	50134.66796	1.916	49035.00000	50813.00000	50556.00000		
Zn	0.53594	3.162	0.55551	0.52622	0.52608		

LANCASTER LABORATORIES

Run Name: 9626807T62 INSTRUMENT ID: 05936

Tube: 35 CCB 09/25/96 00:41

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
__Ag	0.00008	363.9	0.00034	0.00012	-0.00023		
__Al	0.04148	57.72	0.06908	0.02906	0.02629		
__As	-0.00186	94.64	-0.00104	-0.00065	-0.00388		
__B	0.00386	16.71	0.00446	0.00317	0.00394		
__Ba	0.00014	51.88	0.00022	0.00012	0.00007		
__Be	0.00023	22.67	0.00029	0.00019	0.00021		
__Ca	0.00071	3801.	0.03185	-0.01370	-0.01601		
__Cd	0.00010	166.7	0.00000	0.00031	0.00001		
__Co	-0.00015	244.9	-0.00036	-0.00036	0.00027		
__Cr	0.00026	167.6	0.00073	0.00017	-0.00012		
__Cu	0.00004	118.2	0.00006	0.00009	-0.00001		
__Fe	0.04089	21.66	0.05066	0.03864	0.03337		
__K	0.11368	0.858	0.11423	0.11426	0.11255		
__Mg	0.04929	50.17	0.07781	0.03641	0.03365		
__Mn	0.00026	53.09	0.00042	0.00022	0.00015		
__Mo	0.00120	50.07	0.00188	0.00074	0.00097		
__Na	0.17171	14.36	0.15662	0.15832	0.20017		
__Ni	-0.00011	382.8	0.00036	-0.00026	-0.00043		
__Pb	0.00132	24.80	0.00095	0.00144	0.00157		
__Sb	0.00537	15.52	0.00633	0.00496	0.00482		
__Se	-0.00058	555.4	0.00208	0.00036	-0.00421		
__Sn	0.00132	136.3	-0.00071	0.00269	0.00197		
__Sr	0.00011	65.56	0.00020	0.00007	0.00006		
__Ti	0.00014	76.56	0.00026	0.00010	0.00005		
__Tl	0.00504	14.12	0.00513	0.00428	0.00569		
__V	0.00027	65.60	0.00030	0.00008	0.00044		
__Y	52028.00000	0.099	52015.00000	51984.00000	52085.00000		
__Zn	0.00074	10.67	0.00065	0.00078	0.00078		

Data Reviewed by: NCH/243 9-25-96

Data Verified by: J. Gilweil 9-25-96

Page:

Lancaster Laboratories

Data Reviewed By: NCH/243 9-26-96

Data Verified By: [signature] 9-27-96

Data File Name: 27004T62.DAT

Analyst: 243

Run Name: 9627004T62

Instrument Parameters:

Rinse Time:	60 sec
Individual Integration Time:	10 sec
Total Integration Time:	30 sec

Element Symbol	Element Name	Wavelength(nm)
Ag	Silver	328.06
Al	Aluminum	308.21
As	Arsenic	189.04
B	Boron	249.67
Ba	Barium	493.40
Be	Beryllium	313.04
Ca	Calcium	317.93
Cd	Cadmium	226.50
Co	Cobalt	228.61
Cr	Chromium	267.71
Cu	Copper	324.75
Fe	Iron	271.44
K	Potassium	766.49
Mg	Magnesium	279.07
Mn	Manganese	257.61
Mo	Molybdenum	202.03
Na	Sodium	330.23
Ni	Nickel	231.60
Pb	Lead	220.35/1
Pb	Lead	220.35/2
Sb	Antimony	206.83/1
Se	Selenium	196.02/2
Se	Selenium	196.02/1
Sn	Tin	189.98
Sr	Strontium	421.55
Ti	Titanium	334.94
Tl	Thallium	190.86
V	Vanadium	292.40
Y	Yttrium	371.03
Zn	Zinc	206.20

DUP050307356

Yttrium
Sr Sr: 421.552 VI

The 61E TRACE ICP uses a Crawford-Kunselman Noise Reduction Technique for lead and selenium. This requires the utilization of the first and second order wavelengths in the calculation of each of these metals determinations. The 61E TRACE ICP also utilizes Yttrium as an internal standard to compensate for fluctuations in nebulization and plasma conditions. All Yttrium readings are expressed in counts.

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 1 S0 09/26/96 09:11

ELEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
Ag	0.000	-0.00297	4.248	-0.00295	-0.00310	-0.00285
Al	0.000	0.01864	0.674	0.01853	0.01862	0.01878
As	0.000	0.00002	3192.	0.00098	-0.00057	-0.00033
B	0.000	0.00008	43.53	0.00005	0.00006	0.00012
Ba	0.000	0.00073	6.876	0.00068	0.00078	0.00072
Be	0.000	-0.04131	0.971	-0.04091	-0.04172	-0.04130
Ca	0.000	-0.00005	551.8	0.00026	-0.00027	-0.00015
Cd	0.000	0.00257	14.26	0.00253	0.00295	0.00222
Co	0.000	-0.00053	32.74	-0.00038	-0.00072	-0.00048
Cr	0.000	-0.00031	71.46	-0.00005	-0.00039	-0.00048
Cu	0.000	-0.00661	4.657	-0.00643	-0.00697	-0.00644
Fe	0.000	-0.00262	15.91	-0.00220	-0.00262	-0.00304
K	0.000	0.00460	2.577	0.00455	0.00473	0.00451
Mg	0.000	0.00068	17.84	0.00077	0.00054	0.00072
Mn	0.000	0.00291	11.33	0.00324	0.00289	0.00258
Mo	0.000	-0.00207	28.76	-0.00160	-0.00274	-0.00186
Na	0.000	0.00115	110.4	0.00208	0.00169	-0.00030
Ni	0.000	0.00047	156.0	0.00074	0.00102	-0.00036
Pb	0.000	0.00225	104.4	0.00229	0.00458	-0.00012
Sb	0.000	0.00228	12.41	0.00250	0.00196	0.00237
Se	0.000	-0.02493	17.15	-0.01999	-0.02750	-0.02730
Sn	0.000	-0.00464	36.50	-0.00295	-0.00633	-0.00463
Sr	0.000	0.00299	11.68	0.00318	0.00319	0.00258
Ti	0.000	-0.00464	71.44	-0.00667	-0.00081	-0.00644
Tl	0.000	-0.00081	49.51	-0.00050	-0.00126	-0.00066
V	0.000	0.00054	38.63	0.00068	0.00063	0.00030
Y	N/A	33299.33203	0.679	33555.00000	33125.00000	33218.00000
Zn	0.000	0.00014	59.43	0.00023	0.00006	0.00015

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 2 S1 S 09/26/96 09:16

ELEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
Al	50.000	3.88746	0.173	3.88676	3.89452	3.88110
Ca	50.000	3.88772	0.245	3.88513	3.87972	3.89830
Fe	50.000	4.19430	0.127	4.19783	4.18814	4.19693
K	50.000	5.65133	0.343	5.65118	5.67079	5.63201
Mg	50.000	4.23664	0.102	4.24162	4.23479	4.23351
Na	50.000	0.66701	0.124	0.66606	0.66761	0.66736
Y	N/A	32642.00000	0.270	32542.00000	32709.00000	32675.00000

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 3 S2 S 09/26/96 09:21

ELEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
Ag	1.000	0.86113	0.554	0.85565	0.86439	0.86334
As	1.000	0.31545	1.516	0.30993	0.31808	0.31835
B	1.000	0.10268	0.808	0.10174	0.10300	0.10330
Ba	1.000	1.53714	0.486	1.52866	1.53991	1.54283
Be	1.000	1.98670	0.725	1.97012	1.99627	1.99371
Cd	1.000	3.88318	0.609	3.85604	3.89950	3.89399
Co	1.000	0.42390	0.632	0.42082	0.42572	0.42515
Cu	1.000	0.92971	0.785	0.92179	0.93119	0.93616
Mn	1.000	9.52430	0.570	9.46315	9.56697	9.54277
Ni	1.000	0.84931	0.236	0.85145	0.84900	0.84748
Pb	1.000	0.76136	0.865	0.75390	0.76638	0.76380
Se	1.000	1.23978	0.300	1.23577	1.24043	1.24314
Sr	1.000	42.42720	0.282	42.28963	42.48471	42.50728
Tl	1.000	0.08775	1.403	0.08635	0.08867	0.08822
Y	N/A	33036.33203	0.285	33142.00000	33007.00000	32960.00000
Zn	1.000	0.16393	0.662	0.16259	0.16472	0.16436

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LANCASTER LABORATORIES

File Name: 9627004T62 INSTRUMENT ID: 05936

4 S3 S 09/26/96 09:25

ITEM	CONC (ppm)	AVG INTENSITY RATIO	%RSD	INTEGRATIONS #1	#2	#3
	1.000	0.84416	0.276	0.84647	0.84421	0.84180
	1.000	1.26394	0.607	1.25529	1.26655	1.26998
	1.000	0.62885	0.040	0.62856	0.62901	0.62898
	1.000	1.05653	0.203	1.05709	1.05836	1.05416
	1.000	5.40113	0.077	5.40589	5.39799	5.39950
	1.000	1.47624	0.198	1.47942	1.47566	1.47364
	N/A	32874.00000	0.246	32789.00000	32950.00000	32883.00000

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 5 ICV 09/26/96 09:29

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.65002	4.318	0.68236	0.63191	0.63579		
Al	29.33331	4.071	30.71224	28.62157	28.66611		
As	0.64561	4.037	0.67564	0.62879	0.63241		
B	0.64174	4.477	0.67480	0.62279	0.62762		
Ba	0.63735	4.452	0.67010	0.61986	0.62210		
Be	0.63921	4.451	0.67198	0.62076	0.62488		
Ca	29.49375	4.489	31.02044	28.66018	28.80062		
Cd	0.63231	4.674	0.66640	0.61381	0.61672		
Co	0.64116	4.365	0.67340	0.62307	0.62700		
Cr	0.61680	4.245	0.64698	0.60016	0.60325		
Cu	0.65029	4.190	0.68167	0.63265	0.63654		
Fe	29.55323	4.548	31.10255	28.69769	28.85946		
K	29.92016	3.888	31.26146	29.31501	29.18400		
Mg	29.40117	4.431	30.90255	28.56485	28.73609		
Mn	0.64210	4.427	0.67488	0.62422	0.62720		
Mo	0.62450	4.584	0.65690	0.60261	0.61397		
Na	29.56549	3.355	30.70839	28.92463	29.06344		
Ni	0.64537	4.887	0.68178	0.62645	0.62788		
Pb	0.63536	3.654	0.66203	0.61966	0.62439		
Sb	0.60773	4.130	0.63617	0.58867	0.59834		
Se	0.62098	3.286	0.64438	0.60683	0.61175		
Sn	0.61758	4.560	0.65002	0.59936	0.60334		
Sr	0.62170	4.543	0.65429	0.60430	0.60650		
Ti	0.62831	4.343	0.65978	0.61108	0.61407		
Tl	0.63496	3.441	0.65767	0.61408	0.63313		
V	0.61574	4.397	0.64691	0.59804	0.60227		
Y	32014.00000	3.536	30713.00000	32775.00000	32554.00000		
Zn	0.63245	4.502	0.66530	0.61460	0.61747		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05938

Tube: 6 ICB 09/25/96 09:34

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	-0.00004	123.6	-0.00011	-0.00001	-0.00001		
Al	0.02291	9.422	0.02484	0.02058	0.02331		
As	0.00040	511.5	-0.00190	0.00098	0.00214		
B	0.00406	4.202	0.00426	0.00396	0.00396		
Ba	-0.00019	30.00	-0.00013	-0.00019	-0.00025		
Be	-0.00016	68.25	-0.00006	-0.00028	-0.00013		
Ca	-0.00419	103.0	0.00046	-0.00807	-0.00497		
Cd	-0.00027	54.76	-0.00044	-0.00025	-0.00014		
Co	-0.00001	1110.	-0.00004	0.00017	-0.00018		
Cr	0.00032	50.78	0.00033	0.00015	0.00047		
Cu	0.00056	0.112	0.00056	0.00056	0.00056		
Fe	0.02889	32.95	0.03656	0.03187	0.01823		
K	0.11032	6.551	0.10218	0.11280	0.11599		
Mg	0.02311	8.237	0.02526	0.02239	0.02167		
Mn	0.00030	14.05	0.00034	0.00026	0.00032		
Mo	0.00163	56.24	0.00243	0.00062	0.00185		
Na	0.19195	41.25	0.10795	0.20265	0.26525		
Ni	0.00041	98.14	0.00070	-0.00005	0.00059		
Pb	-0.00052	239.9	-0.00190	0.00056	-0.00023		
Sb	0.00173	79.62	0.00310	0.00034	0.00174		
Se	0.00018	313.3	0.00082	-0.00027	0.00000		
Sn	0.00150	46.45	0.00184	0.00069	0.00196		
Sr	0.00016	24.20	0.00021	0.00015	0.00013		
Ti	-0.00004	187.9	0.00004	-0.00010	-0.00007		
Tl	-0.00022	1123.	-0.00147	-0.00183	0.00264		
V	-0.00003	210.6	0.00001	0.00000	-0.00011		
Y	32828.33203	0.009	32832.00000	32826.00000	32827.00000		
Zn	0.00007	547.6	0.00057	-0.00016	-0.00017		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 7 CRI 09/26/96 09:39

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02169	1.611	0.02188	0.02190	0.02129		
Al	-0.00171	46.14	-0.00220	-0.00080	-0.00215		
As	0.01897	21.24	0.02205	0.02045	0.01441		
B	0.00502	10.17	0.00472	0.00561	0.00473		
Ba	-0.00018	43.56	-0.00010	-0.00018	-0.00025		
Be	0.01024	0.483	0.01023	0.01020	0.01030		
Ca	-0.04270	5.025	-0.04039	-0.04308	-0.04463		
Cd	0.01002	0.075	0.01002	0.01003	0.01002		
Co	0.10535	0.612	0.10491	0.10609	0.10504		
Cr	0.02051	1.694	0.02013	0.02058	0.02081		
Cu	0.05364	0.647	0.05330	0.05399	0.05364		
Fe	0.02487	11.40	0.02814	0.02338	0.02309		
K	0.10587	3.282	0.10970	0.10499	0.10292		
Mg	0.01008	41.75	0.01472	0.00901	0.00651		
Mn	0.03162	0.348	0.03151	0.03173	0.03162		
Mo	0.00076	169.9	0.00068	0.00209	-0.00049		
Na	0.02878	51.51	0.03888	0.01176	0.03572		
Ni	0.08433	0.704	0.08474	0.08461	0.08365		
Pb	0.00705	3.116	0.00708	0.00681	0.00724		
Sb	0.11618	1.781	0.11507	0.11491	0.11857		
Se	0.01077	12.22	0.01203	0.01086	0.00940		
Sn	-0.00091	76.49	-0.00149	-0.00112	-0.00013		
Sr	0.00005	33.00	0.00007	0.00004	0.00004		
Ti	-0.00022	52.42	-0.00027	-0.00009	-0.00031		
Tl	0.01718	10.02	0.01535	0.01877	0.01741		
V	0.10261	0.629	0.10188	0.10309	0.10287		
Y	33032.66796	0.095	33065.00000	33031.00000	33002.00000		
Zn	0.04201	1.504	0.04154	0.04177	0.04273		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 8 ICSA 09/26/96 09:44

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00014	345.7	0.00052	-0.00040	0.00031		
Al	515.74053	0.220	514.42974	516.30535	516.48645		
As	0.00026	697.5	0.00243	-0.00071	-0.00091		
B	0.01343	1.555	0.01326	0.01366	0.01336		
Ba	0.00846	0.199	0.00845	0.00844	0.00847		
Be	-0.00050	35.82	-0.00029	-0.00056	-0.00064		
Ca	506.85455	0.114	506.38446	506.67840	507.50076		
Cd	-0.00194	9.636	-0.00181	-0.00186	-0.00216		
Co	0.00122	34.83	0.00125	0.00078	0.00164		
Cr	0.00131	13.59	0.00134	0.00112	0.00147		
Cu	-0.00067	14.24	-0.00073	-0.00073	-0.00056		
Fe	202.27117	0.202	201.81011	202.41375	202.58967		
K	0.09922	5.003	0.10486	0.09553	0.09726		
Mg	520.59570	0.279	518.93682	521.18774	521.66253		
Mn	0.00619	1.339	0.00623	0.00609	0.00624		
Mo	0.00080	363.0	0.00399	-0.00179	0.00023		
Na	0.16787	32.19	0.12064	0.15615	0.22681		
Ni	0.00166	18.09	0.00156	0.00200	0.00142		
Pb	-0.00040	772.0	-0.00234	-0.00208	0.00321		
Sb	0.00698	52.03	0.00537	0.00443	0.01114		
Se	-0.01016	14.56	-0.01133	-0.01066	-0.00850		
Sn	0.00556	63.25	0.00261	0.00946	0.00462		
Sr	0.02068	0.112	0.02065	0.02069	0.02070		
Ti	-0.00121	6.132	-0.00125	-0.00125	-0.00112		
Tl	-0.01116	5.156	-0.01115	-0.01059	-0.01174		
V	-0.00458	14.30	-0.00400	-0.00531	-0.00445		
Y	30395.33398	0.369	30523.00000	30352.00000	30311.00000		
Zn	0.00339	70.96	0.00231	0.00171	0.00615		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 9 ICSAB 09/26/96 09:49

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.23187	2.888	0.22860	0.23958	0.22745		
Al	528.36621	3.069	520.14129	547.04608	517.91119		
As	0.10473	3.678	0.10918	0.10237	0.10266		
B	0.03109	4.094	0.03032	0.03256	0.03040		
Ba	0.55826	2.925	0.55100	0.57697	0.54682		
Be	0.50830	2.712	0.49951	0.52420	0.50120		
Ca	519.08428	3.390	507.32165	539.31854	510.61273		
Cd	0.99998	3.047	0.98057	1.03510	0.98426		
Co	0.52410	2.919	0.51498	0.54176	0.51554		
Cr	0.50162	3.071	0.49136	0.51934	0.49417		
Cu	0.59556	2.857	0.58910	0.61486	0.58272		
Fe	206.53732	3.073	202.59849	213.86056	203.15292		
K	0.10089	7.687	0.09523	0.10973	0.09771		
Mg	530.85626	2.892	522.80017	548.56341	521.20513		
Mn	0.53057	3.055	0.52062	0.54928	0.52182		
Mo	0.00097	85.96	0.00009	0.00106	0.00176		
Na	0.23082	55.90	0.08227	0.31519	0.29499		
Ni	1.01601	2.807	0.99848	1.04892	1.00062		
Pb	0.05185	3.405	0.05098	0.05388	0.05069		
Sb	0.63151	1.843	0.62289	0.64475	0.62687		
Se	0.04143	9.150	0.04425	0.04291	0.03712		
Sn	0.00680	16.41	0.00651	0.00586	0.00804		
Sr	0.02116	2.965	0.02084	0.02188	0.02075		
Ti	-0.00124	11.55	-0.00123	-0.00139	-0.00110		
Tl	0.10430	4.277	0.10260	0.10936	0.10093		
V	0.51717	2.834	0.50863	0.53410	0.50878		
Y	29829.33398	3.057	30235.00000	28785.00000	30468.00000		
Zn	0.97829	3.198	0.95580	1.01403	0.96504		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 10 CCV 09/26/96 09:54

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.53110	0.137	0.53127	0.53173	0.53030		
Al	24.61554	0.107	24.58694	24.63906	24.62062		
As	0.51469	0.169	0.51569	0.51429	0.51408		
B	0.52027	0.569	0.51803	0.51916	0.52363		
Ba	0.50462	0.301	0.50287	0.50534	0.50565		
Be	0.51024	0.025	0.51029	0.51034	0.51009		
Ca	25.06071	0.054	25.07256	25.06381	25.04575		
Cd	0.51041	0.132	0.50965	0.51062	0.51096		
Co	0.51124	0.354	0.50927	0.51162	0.51283		
Cr	0.49236	0.079	0.49196	0.49238	0.49273		
Cu	0.51954	0.245	0.51881	0.52101	0.51880		
Fe	24.57594	0.103	24.54914	24.59955	24.57912		
K	25.46312	0.184	25.41747	25.51119	25.46070		
Mg	24.60018	0.134	24.57165	24.63648	24.59240		
Mn	0.51503	0.171	0.51411	0.51587	0.51511		
Mo	0.49413	1.021	0.48902	0.49426	0.49911		
Na	24.91196	0.468	25.04611	24.85547	24.83429		
Ni	0.51473	0.280	0.51531	0.51580	0.51309		
Pb	0.51156	0.415	0.50917	0.51323	0.51228		
Sb	0.48167	0.977	0.47630	0.48507	0.48364		
Se	0.50962	0.550	0.50690	0.50945	0.51250		
Sn	0.51122	0.372	0.51128	0.50929	0.51309		
Sr	0.49605	0.256	0.49458	0.49690	0.49665		
Ti	0.50076	0.173	0.49976	0.50133	0.50118		
Tl	0.51297	2.155	0.51368	0.52366	0.50158		
V	0.49650	0.315	0.49492	0.49805	0.49653		
Y	32465.66601	0.262	32562.00000	32435.00000	32400.00000		
Zn	0.51064	0.127	0.51013	0.51137	0.51041		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 11 CCB 09/26/96 09:59

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00024	98.40	0.00024	0.00000	0.00049		
Al	0.06076	40.01	0.08883	0.04700	0.04644		
As	-0.00153	71.45	-0.00026	-0.00221	-0.00211		
B	0.00628	7.262	0.00579	0.00637	0.00669		
Ba	-0.00012	61.40	-0.00003	-0.00017	-0.00015		
Be	-0.00035	27.32	-0.00026	-0.00045	-0.00033		
Ca	0.02150	118.6	0.05087	0.00891	0.00472		
Cd	-0.00029	87.51	-0.00002	-0.00032	-0.00054		
Co	-0.00026	46.51	-0.00019	-0.00040	-0.00019		
Cr	-0.00027	169.5	-0.00057	-0.00050	0.00025		
Cu	0.00092	11.74	0.00091	0.00082	0.00103		
Fe	0.05253	7.819	0.05711	0.04917	0.05132		
K	0.10692	4.555	0.10450	0.10374	0.11253		
Mg	0.06336	38.84	0.09178	0.04891	0.04938		
Mn	0.00026	18.04	0.00030	0.00021	0.00028		
Mo	0.00149	58.50	0.00248	0.00084	0.00115		
Na	0.06776	41.48	0.03556	0.08036	0.08737		
Ni	0.00001	8121.	-0.00001	-0.00098	0.00103		
Pb	0.00012	1149.	0.00102	-0.00147	0.00081		
Sb	0.00197	72.30	0.00353	0.00070	0.00168		
Se	0.00253	103.9	0.00307	-0.00032	0.00485		
Sn	0.00056	270.8	-0.00027	-0.00035	0.00232		
Sr	0.00012	26.66	0.00015	0.00009	0.00010		
Ti	-0.00008	8.902	-0.00008	-0.00009	-0.00007		
Tl	0.00145	345.9	0.00641	0.00157	-0.00363		
V	-0.00023	126.2	-0.00024	-0.00051	0.00006		
Y	32626.66601	0.114	32618.00000	32669.00000	32598.00000		
Zn	0.00058	31.74	0.00058	0.00077	0.00039		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 12 PBW PBW 09/25/96 T0:04
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00036	13.99	0.00037	0.00040	0.00030		
Al	0.02202	18.82	0.02201	0.02617	0.01788		
As	-0.00216	23.04	-0.00259	-0.00230	-0.00161		
B	0.00782	13.56	0.00664	0.00812	0.00870		
Ba	-0.00025	4.45	-0.00025	-0.00025	-0.00023		
Be	-0.00030	18.15	-0.00033	-0.00033	-0.00023		
✓Ca	-0.03204	4.641	-0.03137	-0.03100	-0.03374		
✓Cd	-0.00029	20.43	-0.00024	-0.00028	-0.00036		
Co	0.00031	134.6	0.00031	0.00074	-0.00010		
Cr	0.00036	35.29	0.00026	0.00033	0.00051		
Cu	0.00036	19.52	0.00035	0.00029	0.00043		
Fe	0.04121	14.13	0.04192	0.03506	0.04664		
K	0.10560	4.650	0.10010	0.10714	0.10956		
Mg	0.02719	7.279	0.02529	0.02924	0.02703		
Mn	0.00087	1.478	0.00088	0.00088	0.00086		
Mo	0.00115	36.99	0.00101	0.00081	0.00163		
Na	0.10166	20.52	0.09054	0.12573	0.08871		
Ni	0.00021	206.8	0.00030	0.00059	-0.00026		
Pb	-0.00004	762.9	-0.00042	0.00024	0.00004		
Sb	0.00198	118.0	0.00451	-0.00013	0.00159		
Se	0.00095	183.2	0.00052	0.00288	-0.00054		
Sn	0.00180	14.31	0.00170	0.00210	0.00162		
Sr	0.00004	31.22	0.00003	0.00005	0.00006		
Ti	-0.00013	50.57	-0.00020	-0.00014	-0.00006		
Tl	-0.00274	77.00	-0.00321	-0.00459	-0.00043		
V	-0.00013	48.56	-0.00018	-0.00016	-0.00006		
Y	32825.66796	0.122	32794.00000	32812.00000	32871.00000		
Zn	0.00857	14.30	0.00839	0.00987	0.00744		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 13 LCSW LCSW 09/26/96 10:09
****,1-1,DF1,962665720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.05467	5.866	0.05334	0.05833	0.05234		
Al	2.23069	6.460	2.15454	2.39690	2.14061		
As	2.20513	5.993	2.13919	2.35731	2.11891		
B	2.23258	5.992	2.15885	2.38700	2.15188		
Ba	2.19279	6.175	2.12401	2.34878	2.10558		
Be	0.05364	4.328	0.05249	0.05631	0.05212		
✓Ca	4.26833	6.185	4.13871	4.57210	4.09419		
✓Cd	0.05464	5.787	0.05311	0.05827	0.05252		
Co	0.54320	5.949	0.52729	0.58039	0.52192		
Cr	0.21107	6.155	0.20512	0.22598	0.20213		
Cu	0.27530	5.939	0.26651	0.29416	0.26522		
Fe	1.10715	5.887	1.06820	1.18240	1.07085		
K	3.94539	4.859	3.84601	4.16641	3.82377		
✓Mg	2.10263	6.248	2.03858	2.25375	2.01555		
Mn	0.55055	6.119	0.53376	0.58934	0.52856		
Mo	2.13196	6.455	2.04891	2.29083	2.05614		
Na	4.05254	4.736	3.94253	4.27419	3.94090		
Ni	0.55627	6.231	0.54199	0.59579	0.53102		
Pb	0.55179	5.158	0.53420	0.58463	0.53653		
Sb	0.54226	6.636	0.51979	0.58377	0.52323		
Se	2.13774	5.499	2.06905	2.27349	2.07068		
Sn	4.26104	6.063	4.13509	4.55823	4.08980		
Sr	1.06665	6.284	1.03305	1.14384	1.02307		
Ti	1.04951	6.193	1.01633	1.12440	1.00780		
Tl	2.19240	6.561	2.10806	2.35849	2.11065		
V	0.53394	6.035	0.51720	0.57109	0.51353		
Y	31912.66601	4.817	32529.00000	30148.00000	32961.00000		
Zn	0.55524	6.117	0.53773	0.59439	0.53360		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 14 2583226 RD3DF 09/26/96 10:14
U***.100-100,DF10.962685Z20002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00050	32.74	0.00069	0.00047	0.00036		
Al	0.02348	5.808	0.02479	0.02358	0.02206		
As	-0.00057	271.8	-0.00082	0.00110	-0.00201		
B	0.05275	1.178	0.05346	0.05234	0.05243		
Ba	0.01566	1.193	0.01586	0.01563	0.01549		
Be	-0.00041	9.499	-0.00038	-0.00040	-0.00045		
Ca	6.69885	0.409	6.66720	6.71524	6.71410		
Cd	-0.00033	50.74	-0.00047	-0.00014	-0.00036		
Co	0.00038	37.78	0.00053	0.00038	0.00023		
Cr	0.00026	175.6	0.00065	0.00039	-0.00025		
Cu	0.00095	17.79	0.00095	0.00111	0.00077		
Fe	-0.03053	30.31	0.03357	0.03789	0.02014		
K	0.36738	0.881	0.37013	0.36820	0.36381		
Mg	2.77224	0.492	2.75681	2.78269	2.77723		
Mn	0.08100	0.267	0.08078	0.08121	0.08103		
Mo	0.00534	29.84	0.00717	0.00466	0.00420		
Na	4.91494	1.618	4.91455	4.99466	4.83559		
Ni	0.00167	48.91	0.00258	0.00143	0.00100		
Pb	-0.00003	3309.	-0.00127	-0.00002	0.00118		
Sb	0.00148	127.8	0.00026	0.00367	0.00051		
Se	0.00061	452.1	0.00373	-0.00153	-0.00036		
Sn	0.00423	37.04	0.00604	0.00345	0.00321		
Sr	0.05415	0.347	0.05394	0.05429	0.05424		
Ti	0.00018	96.50	0.00038	0.00009	0.00006		
Tl	0.00845	67.59	0.01122	0.00168	0.01226		
V	0.00016	199.2	0.00047	0.00018	-0.00017		
Y	32647.66601	0.153	32696.00000	32651.00000	32596.00000		
Zn	0.00718	4.095	0.00711	0.00694	0.00751		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 15 2583226 RD30FA 09/26/96 10:19
UP**,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02345	0.545	0.02344	0.02333	0.02358		
Al	0.46741	0.121	0.46778	0.46770	0.46676		
As	0.02051	4.543	0.01990	0.02005	0.02158		
B	0.27766	0.574	0.27623	0.27738	0.27938		
Ba	0.47191	0.111	0.47185	0.47247	0.47142		
Be	0.01109	0.390	0.01106	0.01106	0.01114		
Ca	7.72734	0.494	7.68880	7.72806	7.76517		
Cd	0.01104	0.972	0.01099	0.01096	0.01116		
Co	0.11533	0.135	0.11518	0.11549	0.11534		
Cr	0.02226	1.496	0.02208	0.02207	0.02265		
Cu	0.05792	0.393	0.05778	0.05780	0.05819		
Fe	0.24860	5.847	0.23183	0.25766	0.25630		
K	2.38845	0.136	2.39201	2.38561	2.38773		
Mg	3.84313	0.219	3.83868	3.83784	3.85286		
Mn	0.11453	0.356	0.11415	0.11447	0.11496		
Mo	0.21487	0.800	0.21423	0.21357	0.21682		
Na	7.33989	1.147	7.25368	7.34410	7.42190		
Ni	0.09435	1.086	0.09342	0.09418	0.09545		
Pb	0.01234	14.86	0.01085	0.01489	0.01177		
Sb	0.11838	2.403	0.11510	0.12010	0.11994		
Se	0.01178	3.322	0.01133	0.01193	0.01207		
Sn	0.60232	0.841	0.59648	0.60493	0.60556		
Sr	0.07575	0.094	0.07568	0.07582	0.07574		
Ti	0.11113	0.270	0.11079	0.11124	0.11136		
Tl	0.02467	20.76	0.01683	0.02673	0.02844		
V	0.11038	0.339	0.10998	0.11044	0.11072		
Y	32771.66796	0.183	32707.00000	32782.00000	32826.00000		
Zn	0.05079	1.183	0.05015	0.05134	0.05089		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05935

Tube: 16 2583226 RD30FD 09/26/96 10:24
D***,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00045	70.72	0.00019	0.00036	0.00081		
Al	0.00661	38.67	0.00391	0.00900	0.00691		
As	-0.00106	179.0	-0.00324	0.00030	-0.00025		
B	0.04986	1.461	0.04969	0.05066	0.04923		
Ba	0.01518	0.503	0.01509	0.01522	0.01523		
Be	-0.00032	28.44	-0.00028	-0.00025	-0.00042		
Ca	6.67235	0.652	6.62762	6.67484	6.71459		
Cd	-0.00037	34.61	-0.00023	-0.00049	-0.00039		
Co	0.00034	197.5	-0.00038	0.00096	0.00046		
Cr	0.00000	7406.	-0.00028	-0.00035	0.00061		
Cu	0.00094	24.03	0.00069	0.00113	0.00100		
Fe	0.02968	17.19	0.02380	0.03298	0.03227		
K	0.34696	0.467	0.34662	0.34553	0.34872		
Mg	2.76506	0.435	2.75318	2.76478	2.77724		
Mn	0.08009	0.488	0.07970	0.08008	0.08048		
Mo	0.00214	25.82	0.00156	0.00218	0.00266		
✓Na	4.92550	3.512	4.84748	4.80523	5.12381		
Ni	0.00033	99.93	0.00069	0.00030	0.00001		
Pb	0.00095	96.57	0.00088	0.00007	0.00191		
Sb	0.00302	41.24	0.00161	0.00345	0.00399		
Se	0.00106	165.3	0.00310	-0.00001	0.00011		
Sn	0.00320	62.37	0.00408	0.00091	0.00460		
Sr	0.05379	0.300	0.05362	0.05380	0.05395		
Ti	-0.00014	95.30	-0.00027	-0.00015	0.00000		
Tl	0.00183	196.2	0.00195	-0.00182	0.00536		
V	-0.00036	106.0	-0.00015	-0.00080	-0.00012		
Y	32967.66796	0.131	33014.00000	32961.00000	32928.00000		
Zn	0.00748	2.836	0.00759	0.00723	0.00761		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 17 2583226 RD3DFS 09/26/96 10:28
R***,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00549	5.226	0.00571	0.00516	0.00559		
Al	0.21844	1.205	0.22133	0.21781	0.21617		
As	0.00248	54.99	0.00105	0.00378	0.00261		
B	0.25632	0.124	0.25669	0.25608	0.25620		
Ba	0.22394	0.287	0.22469	0.22363	0.22352		
Be	0.00466	2.724	0.00452	0.00473	0.00474		
Ca	7.17122	0.436	7.20606	7.14551	7.16209		
Cd	0.00515	4.133	0.00538	0.00496	0.00512		
Co	0.05247	0.353	0.05256	0.05226	0.05260		
Cr	0.02091	1.877	0.02117	0.02046	0.02111		
Cu	0.02694	0.720	0.02706	0.02671	0.02704		
Fe	0.13237	5.844	0.14126	0.12874	0.12712		
K	0.68182	0.613	0.68564	0.68247	0.67735		
Mg	3.00521	0.411	3.01930	2.99620	3.00012		
Mn	0.13443	0.461	0.13509	0.13386	0.13434		
Mo	0.20480	0.121	0.20492	0.20451	0.20496		
✓Na	5.42170	1.283	5.45183	5.34213	5.47113		
Ni	0.05555	1.737	0.05649	0.05456	0.05561		
Pb	0.00127	109.3	0.00118	0.00271	-0.00007		
Sb	0.05264	5.279	0.05260	0.04988	0.05543		
Se	0.00211	76.40	0.00234	0.00039	0.00361		
Sn	0.42564	0.861	0.42949	0.42220	0.42522		
Sr	0.15764	0.322	0.15823	0.15735	0.15734		
Ti	0.10412	0.412	0.10461	0.10383	0.10391		
Tl	0.00762	65.38	0.00215	0.00879	0.01191		
V	0.05121	0.469	0.05099	0.05116	0.05146		
Y	32466.66601	0.401	32320.00000	32510.00000	32570.00000		
Zn	0.05561	0.588	0.05586	0.05572	0.05524		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 18 2583226 RD3DFL 09/26/96 10:33
UL**,100-100,DF50,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00006	672.5	-0.00044	0.00021	0.00043		
Al	0.00204	60.90	0.00172	0.00342	0.00099		
As	-0.00243	33.26	-0.00153	-0.00309	-0.00269		
B	0.01482	4.261	0.01410	0.01505	0.01530		
Ba	0.00271	0.666	0.00270	0.00273	0.00270		
Be	-0.00039	52.78	-0.00015	-0.00046	-0.00055		
Ca	1.25155	0.214	1.24932	1.25453	1.25081		
Cd	-0.00023	18.68	-0.00019	-0.00028	-0.00023		
Co	-0.00026	146.9	0.00002	-0.00069	-0.00011		
Cr	0.00023	87.64	0.00040	0.00029	0.00000		
Cu	0.00049	20.89	0.00041	0.00045	0.00060		
Fe	0.02629	39.97	0.01416	0.03253	0.03219		
K	0.14798	0.088	0.14800	0.14810	0.14784		
Mg	0.54353	0.490	0.54113	0.54640	0.54307		
Mn	0.01558	0.404	0.01562	0.01561	0.01551		
Mo	0.00114	24.43	0.00096	0.00100	0.00146		
Na	0.90067	4.913	0.93750	0.91292	0.85158		
Ni	0.00022	160.7	-0.00019	0.00045	0.00041		
Pb	-0.00067	21.91	-0.00078	-0.00072	-0.00050		
Sb	0.00141	78.10	0.00016	0.00183	0.00224		
Se	-0.00058	224.4	-0.00119	-0.00147	0.00091		
Sn	0.00343	23.97	0.00414	0.00362	0.00253		
Sr	0.01044	0.165	0.01045	0.01046	0.01042		
Ti	-0.00027	56.89	-0.00044	-0.00023	-0.00014		
Tl	-0.00027	327.0	0.00054	-0.00121	-0.00014		
V	-0.00020	103.5	-0.00029	-0.00035	0.00003		
Y	32691.00000	0.206	32734.00000	32613.00000	32726.00000		
Zn	0.00761	5.063	0.00729	0.00751	0.00804		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 19 2583222 RS5SF 09/26/96 10:38
****.100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00004	82.14	0.00007	0.00000	0.00004		
Al	0.00922	15.43	0.01077	0.00889	0.00798		
As	-0.00131	227.1	-0.00449	0.00142	-0.00087		
B	0.05169	2.176	0.05078	0.05134	0.05294		
Ba	0.02866	0.178	0.02872	0.02865	0.02862		
Be	-0.00098	2.010	-0.00098	-0.00096	-0.00100		
X Ca	288.82244	0.126	288.52819	288.70834	289.23080		
X Cd	-0.00025	71.49	-0.00019	-0.00010	-0.00045		
Co	0.00095	40.70	0.00139	0.00072	0.00072		
Cr	0.00045	37.39	0.00042	0.00064	0.00030		
Cu	0.00069	16.54	0.00080	0.00057	0.00070		
Fe	-0.09721	7.900	-0.10551	-0.09036	-0.09575		
K	3.58104	0.633	3.60719	3.56691	3.56902		
Mg	97.98741	0.208	98.19248	97.78468	97.98508		
Mn	0.35612	0.168	0.35597	0.35561	0.35679		
Mo	0.00131	97.36	0.00061	0.00053	0.00278		
Na	45.73867	0.417	45.93142	45.54958	45.73502		
Ni	0.01019	5.911	0.01079	0.00958	0.01019		
Pb	0.00083	127.6	-0.00014	0.00196	0.00067		
Sb	0.00264	74.55	0.00140	0.00491	0.00160		
Se	0.02413	2.251	0.02367	0.02473	0.02399		
Sn	0.00056	179.9	-0.00043	0.00052	0.00159		
Sr	0.59197	0.228	0.59349	0.59091	0.59151		
Ti	-0.00082	5.610	-0.00081	-0.00086	-0.00077		
Tl	0.00074	208.7	0.00002	0.00253	-0.00032		
V	0.00007	431.0	0.00033	0.00018	-0.00028		
Y	31574.33398	0.062	31565.00000	31597.00000	31561.00000		
Zn	0.00855	6.039	0.00894	0.00796	0.00874		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 20 2583223 RS4DF 09/26/96 10:43
****,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00039	43.59	0.00059	0.00029	0.00029		
Al	0.00612	29.12	0.00629	0.00426	0.00782		
As	-0.00219	52.94	-0.00350	-0.00184	-0.00125		
B	0.04074	0.637	0.04104	0.04056	0.04062		
Ba	0.00495	0.869	0.00492	0.00500	0.00493		
Be	-0.00069	21.06	-0.00056	-0.00068	-0.00085		
X Ca MS 9-27-96	20.72910	0.353	20.81195	20.67307	20.70228		
X Cd (3) 298	-0.00028	24.65	-0.00033	-0.00020	-0.00031		
Co	0.00069	33.77	0.00052	0.00095	0.00059		
Cr	0.00036	26.64	0.00047	0.00032	0.00029		
Cu	0.00076	19.86	0.00093	0.00071	0.00064		
Fe	0.03298	11.78	0.03668	0.02893	0.03331		
K	0.42713	0.130	0.42660	0.42771	0.42707		
Mg	8.12536	0.183	8.14179	8.11282	8.12148		
Mn	0.07674	0.109	0.07684	0.07668	0.07672		
Mo	0.00150	27.01	0.00154	0.00107	0.00188		
X Na	5.95420	0.957	5.97717	5.99614	5.88928		
Ni	0.00108	29.52	0.00133	0.00119	0.00072		
Pb	0.00025	74.15	0.00041	0.00004	0.00030		
Sb	0.00099	261.9	0.00373	-0.00145	0.00071		
Se	0.00223	80.50	0.00043	0.00402	0.00223		
Sn	0.00163	96.28	0.00344	0.00072	0.00072		
Sr	0.14814	0.143	0.14837	0.14795	0.14810		
Ti	-0.00013	44.79	-0.00007	-0.00019	-0.00015		
Tl	0.00249	119.5	0.00216	-0.00030	0.00563		
V	-0.00001	1698.	0.00014	-0.00025	0.00006		
Y	32310.00000	0.229	32391.00000	32294.00000	32245.00000		
Zn	0.00790	4.759	0.00832	0.00759	0.00779		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 21 2583224 4DDPF 09/26/96 10:48
****,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00021	62.48	0.00015	0.00012	0.00036		
Al	0.00073	481.1	-0.00008	0.00459	-0.00230		
As	-0.00205	29.50	-0.00145	-0.00204	-0.00266		
B	0.03423	2.418	0.03422	0.03506	0.03340		
Ba	0.00432	1.621	0.00438	0.00435	0.00424		
Be	-0.00041	91.90	-0.00070	-0.00055	0.00001		
Ca	18.95276	1.480	19.13923	19.08905	18.63001		
Cd	-0.00017	77.50	-0.00010	-0.00033	-0.00008		
Co	0.00026	146.5	0.00015	-0.00005	0.00068		
Cr	0.00020	284.3	-0.00029	0.00007	0.00082		
Cu	0.00069	42.72	0.00035	0.00089	0.00083		
Fe	0.01209	60.64	0.00084	0.01811	0.01734		
K	0.39336	1.121	0.39831	0.38987	0.39189		
Mg	7.39882	1.476	7.46145	7.46254	7.27247		
Mn	0.06766	1.484	0.06840	0.06807	0.06652		
Mo	0.00088	41.39	0.00127	0.00053	0.00085		
X Na	5.43372	2.198	5.49486	5.29609	5.51020		
Ni	0.00121	37.18	0.00090	0.00173	0.00101		
Pb	0.00139	105.0	0.00284	-0.00009	0.00144		
Sb	0.00250	96.68	-0.00003	0.00275	0.00478		
Se	0.00067	157.8	0.00169	0.00077	-0.00043		
Sn	0.00191	145.9	0.00157	-0.00069	0.00485		
Sr	0.13506	1.455	0.13658	0.13576	0.13284		
Ti	-0.00028	15.12	-0.00033	-0.00027	-0.00024		
Tl	0.00218	143.3	0.00319	-0.00132	0.00469		
V	-0.00020	187.6	-0.00015	-0.00061	0.00015		
Y	32571.33398	1.321	32291.00000	32356.00000	33067.00000		
Zn	0.00158	8.158	0.00173	0.00153	0.00148		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 22 CCV 09/26/96 10:53

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.53294	0.077	0.53321	0.53247	0.53316		
Al	24.61204	0.120	24.57927	24.63688	24.61997		
As	0.52193	0.109	0.52256	0.52143	0.52180		
B	0.52130	0.390	0.51899	0.52284	0.52208		
Ba	0.50503	0.125	0.50434	0.50516	0.50558		
Be	0.51407	0.250	0.51555	0.51326	0.51339		
Ca	25.17161	0.179	25.22150	25.13336	25.15997		
Cd	0.51369	0.156	0.51406	0.51277	0.51424		
Co	0.51301	0.134	0.51328	0.51351	0.51222		
Cr	0.49515	0.198	0.49615	0.49419	0.49509		
Cu	0.52098	0.182	0.51996	0.52184	0.52115		
Fe	24.82878	0.217	24.88122	24.77344	24.83168		
K	25.51037	0.298	25.43145	25.58325	25.51641		
Mg	24.73406	0.114	24.72581	24.71075	24.76561		
Mn	0.51703	0.067	0.51735	0.51666	0.51709		
Mo	0.49726	0.644	0.49358	0.49934	0.49886		
Na	25.09176	0.367	25.00158	25.18581	25.08788		
Ni	0.51500	0.505	0.51736	0.51221	0.51544		
Pb	0.51120	0.700	0.50707	0.51324	0.51330		
Sb	0.48145	1.144	0.47594	0.48146	0.48696		
Se	0.51018	0.904	0.50668	0.50845	0.51541		
Sn	0.50026	0.788	0.50349	0.49587	0.50144		
Sr	0.49569	0.069	0.49534	0.49571	0.49602		
Ti	0.50262	0.016	0.50257	0.50259	0.50272		
Tl	0.51391	1.598	0.50668	0.51221	0.52284		
V	0.49888	0.236	0.50012	0.49777	0.49876		
Y	32370.33398	0.212	32408.00000	32412.00000	32291.00000		
Zn	0.51404	0.678	0.51785	0.51099	0.51329		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 23 CCB 09/26/96 10:58

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00052	46.84	0.00080	0.00044	0.00033		
Al	0.01247	40.43	0.01739	0.01272	0.00731		
As	0.00011	2023.	0.00166	0.00127	-0.00259		
B	0.00831	7.089	0.00896	0.00813	0.00783		
Ba	-0.00017	69.63	-0.00004	-0.00019	-0.00027		
Be	-0.00032	57.56	-0.00012	-0.00049	-0.00034		
Ca	-0.00282	215.7	0.00411	-0.00529	-0.00729		
Cd	-0.00010	56.27	-0.00003	-0.00015	-0.00013		
Co	0.00005	822.2	0.00039	0.00024	-0.00047		
Cr	-0.00004	1288.	0.00044	-0.00060	0.00004		
Cu	0.00070	33.85	0.00098	0.00061	0.00052		
Fe	0.04219	16.56	0.04913	0.04229	0.03515		
K	0.11157	1.016	0.11261	0.11036	0.11174		
Mg	0.02739	19.43	0.03268	0.02747	0.02203		
Mn	0.00034	12.29	0.00039	0.00031	0.00031		
Mo	0.00212	84.88	0.00355	0.00272	0.00009		
Na	0.09328	64.73	0.02635	0.10981	0.14369		
Ni	-0.00002	960.5	0.00016	0.00009	-0.00033		
Pb	0.00028	608.6	0.00151	0.00091	-0.00167		
Sb	0.00227	50.62	0.00095	0.00305	0.00281		
Se	0.00190	100.2	0.00187	0.00001	0.00383		
Sn	0.00198	71.07	0.00191	0.00060	0.00342		
Sr	0.00038	23.50	0.00048	0.00033	0.00032		
Ti	-0.00006	225.5	0.00010	-0.00011	-0.00018		
Tl	0.00254	102.4	0.00028	0.00195	0.00539		
V	-0.00013	135.8	-0.00008	-0.00033	0.00001		
Y	32862.33203	0.323	32983.00000	32782.00000	32822.00000		
Zn	0.00088	53.33	0.00038	0.00095	0.00132		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 24 2583226 RD30F 09/26/96 11:03
*****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00019	190.2	0.00051	-0.00022	0.00030		
Al	0.02869	16.87	0.03414	0.02486	0.02707		
As	0.00098	159.4	-0.00082	0.00193	0.00184		
B	0.46014	0.167	0.45926	0.46067	0.46050		
Ba	0.15861	0.227	0.15844	0.15836	0.15902		
Be	-0.00071	9.891	-0.00079	-0.00068	-0.00066		
X Ca	69.41849	0.259	69.55884	69.21578	69.48085		
X Cd	-0.00015	123.3	-0.00015	0.00003	-0.00033		
Co	0.00247	8.715	0.00272	0.00234	0.00235		
Cr	0.00082	49.27	0.00105	0.00035	0.00105		
Cu	0.00096	23.58	0.00106	0.00070	0.00111		
Fe	0.03679	31.94	0.04260	0.02326	0.04450		
K	2.87729	0.348	2.87428	2.86911	2.88847		
Mg	28.75773	0.261	28.79821	28.67081	28.80416		
Mn	0.82685	0.140	0.82739	0.82552	0.82765		
Mo	0.01121	5.003	0.01064	0.01176	0.01122		
Na	52.18195	0.434	52.07189	52.03108	52.44289		
Ni	0.00646	8.088	0.00673	0.00679	0.00586		
Pb	0.00110	147.1	0.00091	-0.00041	0.00281		
Sb	0.00092	102.2	0.00020	0.00199	0.00058		
Se	0.00123	202.7	0.00400	-0.00089	0.00059		
Sn	0.00000	19649	0.00060	-0.00121	0.00059		
Sr	0.55459	0.169	0.55465	0.55362	0.55549		
Ti	-0.00033	25.17	-0.00026	-0.00042	-0.00031		
Tl	-0.00014	2932.	-0.00041	-0.00420	0.00419		
V	0.00115	10.38	0.00127	0.00113	0.00104		
Y	32117.66601	0.311	32010.00000	32208.00000	32135.00000		
Zn	0.01359	2.474	0.01396	0.01330	0.01351		

DUP050307380

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 25 2583226 RD3DFA 09/26/96 11:08
UP**,100-100,DF,1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02403	0.826	0.02421	0.02381	0.02405		
Al	0.48649	0.802	0.48800	0.48206	0.48942		
As	0.02197	15.19	0.02467	0.02300	0.01823		
B	0.69015	0.324	0.69267	0.68939	0.68839		
Ba	0.61697	0.166	0.61749	0.61579	0.61763		
Be	0.01084	0.278	0.01085	0.01087	0.01081		
Ca	69.17606	0.200	69.33288	69.12454	69.07075		
Cd	0.01140	0.566	0.01144	0.01143	0.01133		
Co	0.11855	0.547	0.11929	0.11805	0.11832		
Cr	0.02252	1.250	0.02278	0.02256	0.02222		
Cu	0.05914	0.300	0.05923	0.05894	0.05926		
Fe	0.26944	2.153	0.27588	0.26461	0.26783		
K	5.10144	0.304	5.11917	5.09010	5.09504		
Mg	29.31002	0.159	29.36369	29.27832	29.28806		
Mn	0.84623	0.110	0.84728	0.84549	0.84591		
Mo	0.22573	0.671	0.22452	0.22524	0.22743		
Na	53.27803	0.283	53.44601	53.23464	53.15343		
Ni	0.09829	1.393	0.09982	0.09785	0.09719		
Pb	0.01173	10.49	0.01315	0.01093	0.01112		
Sb	0.12402	2.362	0.12739	0.12257	0.12210		
Se	0.01179	15.07	0.01115	0.01380	0.01043		
Sn	0.61524	0.212	0.61667	0.61493	0.61412		
Sr	0.56731	0.118	0.56777	0.56654	0.56762		
Ti	0.11255	0.193	0.11280	0.11244	0.11240		
Tl	0.02284	13.42	0.02492	0.01932	0.02428		
V	0.11263	0.206	0.11255	0.11289	0.11244		
Y	32174.00000	0.172	32207.00000	32205.00000	32110.00000		
Zn	0.11444	0.169	0.11426	0.11464	0.11441		

DUP050307381

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 26 2583226 RD3DFD 09/26/96 11:13
D***,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00022	52.37	0.00023	0.00032	0.00009		
Al	0.01947	58.17	0.01327	0.01259	0.03254		
As	-0.00138	265.0	0.00124	-0.00558	0.00017		
B	0.45826	5.286	0.44403	0.44452	0.48623		
Ba	0.16069	5.495	0.15503	0.15617	0.17086		
Be	-0.00147	70.40	-0.00081	-0.00094	-0.00268		
Ca	70.17050	5.570	67.53324	68.31658	74.66168		
Cd	-0.00022	80.38	-0.00029	-0.00037	-0.00002		
Co	0.00264	12.71	0.00256	0.00301	0.00235		
Cr	0.00043	34.87	0.00057	0.00046	0.00027		
Cu	0.00045	108.0	0.00082	0.00065	-0.00010		
Fe	0.04223	6.416	0.03936	0.04258	0.04475		
K	2.93895	4.261	2.86170	2.87171	3.08344		
Mg	29.07451	5.552	28.04346	28.24498	30.93509		
Mn	0.83056	5.497	0.80038	0.80822	0.88309		
Mo	0.01123	4.886	0.01062	0.01138	0.01169		
Na	52.50991	4.311	51.19250	51.21311	55.12412		
Ni	0.00755	17.46	0.00622	0.00758	0.00886		
Pb	-0.00006	344.0	-0.00032	-0.00003	0.00015		
Sb	0.00212	70.41	0.00304	0.00039	0.00293		
Se	0.00241	21.40	0.00301	0.00207	0.00216		
Sn	0.00048	518.1	-0.00025	0.00328	-0.00157		
Sr	0.56243	5.509	0.54258	0.54658	0.59814		
Ti	-0.00030	46.78	-0.00024	-0.00019	-0.00046		
Tl	0.00009	3092.	0.00315	-0.00287	0.00001		
V	0.00079	32.49	0.00055	0.00106	0.00076		
Y	31312.66601	4.255	32164.00000	31997.00000	29777.00000		
Zn	0.01074	10.29	0.00990	0.01034	0.01200		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 27 2583226 RD3DFS 09/26/96 11:18
R***,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.05442	0.153	0.05439	0.05436	0.05452		
Al	2.13511	0.206	2.13249	2.13266	2.14020		
As	0.04250	5.952	0.04018	0.04520	0.04212		
B	2.57028	0.039	2.57027	2.56925	2.57130		
Ba	2.25334	0.122	2.25573	2.25033	2.25397		
Be	0.05241	0.020	0.05242	0.05240	0.05242		
Ca	72.81276	0.066	72.84292	72.75659	72.83878		
Cd	0.05247	0.087	0.05249	0.05241	0.05249		
Co	0.53436	0.108	0.53495	0.53433	0.53379		
Cr	0.20519	0.055	0.20529	0.20507	0.20522		
Cu	0.27218	0.230	0.27272	0.27149	0.27232		
Fe	1.06908	0.477	1.06424	1.06859	1.07442		
K	7.06222	0.545	7.10190	7.02490	7.05986		
Mg	30.54917	0.141	30.55808	30.50226	30.58719		
Mn	1.35128	0.144	1.35159	1.34919	1.35305		
Mo	2.07108	0.439	2.06340	2.06872	2.08112		
Na	55.72035	0.207	55.83846	55.60683	55.71576		
Ni	0.54164	0.395	0.53926	0.54340	0.54225		
Pb	0.02122	3.328	0.02203	0.02077	0.02085		
Sb	0.52450	0.317	0.52639	0.52323	0.52389		
Se	0.01167	10.33	0.01032	0.01265	0.01205		
Sn	4.27932	0.274	4.27666	4.26915	4.29214		
Sr	1.61659	0.213	1.62020	1.61331	1.61628		
Ti	1.05225	0.092	1.05247	1.05119	1.05309		
Tl	0.05169	10.79	0.04525	0.05486	0.05497		
V	0.51510	0.108	0.51512	0.51453	0.51565		
Y	31893.33398	0.128	31930.00000	31901.00000	31849.00000		
Zn	0.53365	0.368	0.53137	0.53473	0.53485		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 28 2583226 RD30FL 09/26/96 11:23
IL***,100-100,DF5,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00042	45.76	0.00024	0.00040	0.00062		
Al	0.00625	38.19	0.00359	0.00695	0.00820		
As	-0.00200	149.0	-0.00421	-0.00318	0.00139		
B	0.09701	1.538	0.09757	0.09814	0.09531		
Ba	0.03136	0.434	0.03131	0.03151	0.03125		
Be	-0.00041	10.73	-0.00043	-0.00043	-0.00036		
Ca	13.65068	0.286	13.62085	13.63615	13.69503		
Cd	-0.00015	61.49	-0.00021	-0.00021	-0.00004		
Co	0.00108	10.30	0.00117	0.00096	0.00110		
Cr	0.00038	99.93	0.00039	0.00000	0.00075		
Cu	0.00066	13.03	0.00060	0.00076	0.00062		
Fe	0.03579	21.20	0.02739	0.04215	0.03784		
K	0.59071	0.462	0.59012	0.58833	0.59369		
Mg	5.60650	0.266	5.59001	5.61908	5.61040		
Mn	0.16380	0.181	0.16357	0.16369	0.16413		
Mo	0.00550	37.91	0.00787	0.00469	0.00393		
Na	10.07317	0.812	9.98863	10.15210	10.07877		
Ni	0.00204	43.32	0.00146	0.00307	0.00161		
Pb	0.00002	8275.	-0.00045	-0.00139	0.00191		
Sb	0.00072	178.7	0.00123	0.00170	-0.00075		
Se	0.00219	74.28	0.00291	0.00333	0.00032		
Sn	0.00566	19.86	0.00443	0.00663	0.00593		
Sr	0.10916	0.182	0.10907	0.10938	0.10902		
Ti	0.00014	135.3	0.00003	0.00038	0.00003		
Tl	-0.00116	150.6	-0.00159	0.00076	-0.00266		
V	0.00025	133.1	-0.00012	0.00037	0.00051		
Y	32621.66601	0.298	32698.00000	32512.00000	32655.00000		
Zn	0.00925	5.905	0.00935	0.00866	0.00974		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 29 2583227 RA35F 09/26/96 11:28
****,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00031	42.97	0.00016	0.00034	0.00042		
Al	0.01690	7.125	0.01630	0.01829	0.01612		
As	0.00160	80.34	0.00081	0.00308	0.00090		
B	0.01225	6.311	0.01256	0.01137	0.01281		
Ba	0.00760	0.367	0.00758	0.00763	0.00759		
Be	-0.00074	25.54	-0.00066	-0.00096	-0.00060		
Ca	22.06639	0.399	22.01223	22.16800	22.01895		
Cd	-0.00015	118.6	-0.00004	-0.00035	-0.00005		
Co	-0.00023	261.2	-0.00094	0.00022	0.00000		
Cr	0.00063	49.24	0.00033	0.00095	0.00062		
Cu	0.00049	19.62	0.00038	0.00057	0.00051		
Fe	0.03151	43.37	0.03813	0.04060	0.01579		
K	0.34532	1.117	0.34197	0.34954	0.34446		
Mg	8.78118	0.310	8.78346	8.80728	8.75281		
Mn	0.02071	0.173	0.02068	0.02075	0.02069		
Mo	0.00120	39.09	0.00171	0.00112	0.00078		
X Na	5.49323	2.160	5.37773	5.61485	5.48711		
Ni	0.00163	27.02	0.00127	0.00212	0.00149		
Pb	-0.00085	174.7	0.00038	-0.00251	-0.00044		
Sb	0.00260	59.87	0.00087	0.00390	0.00302		
Se	0.00262	25.39	0.00313	0.00187	0.00286		
Sn	0.00559	33.92	0.00578	0.00739	0.00361		
Sr	0.07112	0.435	0.07133	0.07126	0.07076		
Ti	0.00020	51.83	0.00008	0.00027	0.00025		
Tl	0.00307	75.95	0.00038	0.00423	0.00461		
V	0.00029	39.32	0.00038	0.00034	0.00016		
Y	32154.66601	0.272	32130.00000	32082.00000	32252.00000		
Zn	0.00406	13.32	0.00345	0.00441	0.00438		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube#: 30 2563830 ADDIS 09/26/96 11:33
****,100-100,DF10,962685720002,6,,

ITEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00028	133.1	0.00021	0.00069	-0.00005		
Al	0.00234	49.36	0.00287	0.00313	0.00101		
As	-0.00219	184.8	-0.00095	0.00109	-0.00672		
B	0.03801	0.696	0.03774	0.03827	0.03801		
Ba	0.01076	0.456	0.01071	0.01075	0.01081		
Be	-0.00058	10.75	-0.00052	-0.00064	-0.00057		
Ca	6.67135	0.576	6.63216	6.70901	6.67288		
Cd	-0.00038	42.26	-0.00051	-0.00020	-0.00044		
Co	0.00023	108.4	-0.00004	0.00045	0.00030		
Cr	0.00014	232.4	-0.00021	0.00047	0.00018		
Cu	0.00051	42.94	0.00026	0.00064	0.00064		
Fe	0.04558	10.91	0.04950	0.04726	0.03999		
K	0.54630	0.303	0.54443	0.54759	0.54688		
Mg	2.86404	0.405	2.85079	2.86884	2.87249		
Mn	0.02354	0.633	0.02337	0.02365	0.02361		
Mo	0.00129	40.34	0.00076	0.00129	0.00180		
X Na	4.61200	2.181	4.55293	4.72815	4.55491		
Ni	0.00007	1022.	-0.00037	-0.00037	0.00097		
Pb	0.00006	1717.	0.00035	0.00096	-0.00113		
Sb	0.00166	128.0	0.00313	-0.00078	0.00264		
Se	-0.00029	705.7	0.00022	-0.00261	0.00149		
Sn	0.00384	42.74	0.00194	0.00475	0.00483		
Sr	0.05147	0.160	0.05139	0.05147	0.05155		
Ti	-0.00018	65.61	-0.00020	-0.00005	-0.00030		
Tl	0.00243	178.9	0.00674	0.00255	-0.00198		
V	-0.00017	266.2	-0.00074	0.00021	0.00000		
Y	32494.33398	0.375	32634.00000	32441.00000	32408.00000		
Zn	0.00741	10.73	0.00713	0.00680	0.00831		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 31 CRI 09/26/96 11:38

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02244	4.214	0.02195	0.02353	0.02184		
Al	0.00588	138.4	0.00431	0.01470	-0.00136		
As	0.02149	8.284	0.02324	0.01968	0.02154		
B	0.00417	6.669	0.00413	0.00446	0.00391		
Ba	0.00005	133.3	0.00013	-0.00005	-0.00001		
Be	0.00992	3.073	0.00997	0.00959	0.01019		
Ca	-0.04507	5.299	-0.04308	-0.04442	-0.04772		
Cd	0.01013	3.626	0.00986	0.01055	0.00997		
Co	0.10994	4.386	0.10656	0.11546	0.10780		
Cr	0.02112	3.401	0.02066	0.02195	0.02075		
Cu	0.05532	3.671	0.05375	0.05761	0.05459		
Fe	0.03485	29.63	0.04050	0.04113	0.02293		
K	0.10316	8.415	0.09313	0.10801	0.10833		
Mg	0.01407	14.90	0.01259	0.01647	0.01314		
Mn	0.03281	4.216	0.03173	0.03437	0.03232		
Mo	-0.00019	226.4	0.00029	-0.00055	-0.00032		
Na	0.14626	45.87	0.15038	0.21119	0.07720		
Ni	0.08754	4.124	0.08547	0.09171	0.08544		
Pb	0.00603	12.75	0.00522	0.00611	0.00676		
Sb	0.12344	4.714	0.12034	0.13016	0.11984		
Se	0.01049	5.481	0.01115	0.01022	0.01009		
Sn	0.00001	5971.	-0.00081	0.00044	0.00040		
Sr	0.00007	51.75	0.00012	0.00007	0.00004		
Ti	-0.00020	29.33	-0.00018	-0.00015	-0.00026		
Tl	0.02258	11.72	0.02150	0.02560	0.02065		
V	0.10738	4.357	0.10414	0.11274	0.10525		
Y	32159.00000	3.377	33018.00000	30938.00000	32521.00000		
Zn	0.04365	4.100	0.04234	0.04564	0.04337		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 32 ICSA 09/26/96 11:43

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	-0.00004	821.2	0.00016	0.00020	-0.00051		
Al	526.69573	0.020	526.57269	526.74932	526.76525		
As	-0.00268	143.1	-0.00253	-0.00660	0.00108		
B	0.01583	6.443	0.01693	0.01565	0.01491		
Ba	0.00856	0.666	0.00857	0.00861	0.00850		
Be	-0.00081	25.25	-0.00075	-0.00105	-0.00065		
Ca	520.72332	0.290	520.14349	519.58526	522.44128		
Cd	-0.00291	20.34	-0.00345	-0.00301	-0.00227		
Co	0.00059	27.64	0.00046	0.00077	0.00054		
Cr	0.00116	14.04	0.00133	0.00114	0.00101		
Cu	0.00006	592.2	0.00014	-0.00033	0.00037		
Fe	207.48063	0.142	207.46932	207.19056	207.78201		
K	0.09966	2.309	0.10103	0.09700	0.10094		
Mg	530.87548	0.069	530.67218	531.29852	530.65582		
Mn	0.00639	1.659	0.00650	0.00629	0.00639		
Mo	-0.00140	75.84	-0.00094	-0.00065	-0.00262		
Na	0.11669	35.52	0.13665	0.06903	0.14439		
Ni	0.00045	50.14	0.00020	0.00063	0.00051		
Pb	-0.00125	235.0	-0.00226	0.00207	-0.00358		
Sb	0.00822	45.10	0.00754	0.01223	0.00490		
Se	-0.00984	36.29	-0.01378	-0.00893	-0.00681		
Sn	0.00598	25.24	0.00754	0.00586	0.00453		
Sr	0.02115	0.209	0.02119	0.02114	0.02111		
Ti	-0.00134	7.073	-0.00129	-0.00128	-0.00145		
Tl	-0.01600	35.13	-0.01020	-0.01639	-0.02142		
V	-0.00398	16.97	-0.00362	-0.00476	-0.00355		
Y	29716.66601	0.262	29707.00000	29644.00000	29799.00000		
Zn	0.00349	29.10	0.00452	0.00347	0.00249		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 33 ICSAB 09/26/96 11:48

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.22971	0.880	0.23202	0.22829	0.22881		
Al	522.99114	0.500	525.98333	521.12677	521.86328		
As	0.10970	3.336	0.11271	0.10562	0.11075		
B	0.03186	2.337	0.03217	0.03101	0.03240		
Ba	0.55326	0.542	0.55662	0.55085	0.55230		
Be	0.50675	0.717	0.51094	0.50481	0.50449		
Ca	518.00872	0.939	523.60552	515.67205	514.74853		
Cd	0.99863	0.822	1.00793	0.99561	0.99234		
Co	0.52261	0.610	0.52594	0.52233	0.51957		
Cr	0.50067	0.782	0.50487	0.50003	0.49712		
Cu	0.58867	0.340	0.59070	0.58669	0.58861		
Fe	205.95799	0.693	207.60704	205.16569	205.10124		
K	0.10210	6.540	0.10979	0.09869	0.09781		
Mg	525.88616	0.581	529.38653	523.74981	524.52209		
Mn	0.52775	0.656	0.53175	0.52586	0.52565		
Mo	0.00185	57.63	0.00078	0.00184	0.00292		
Na	0.22579	56.25	0.35347	0.22446	0.09944		
Ni	1.01541	0.863	1.02544	1.00922	1.01156		
Pb	0.05060	2.237	0.05076	0.04939	0.05164		
Sb	0.62549	0.852	0.61980	0.62629	0.63037		
Se	0.04213	1.616	0.04215	0.04145	0.04281		
Sn	0.00649	58.23	0.01073	0.00345	0.00530		
Sr	0.02100	0.669	0.02116	0.02091	0.02093		
Ti	-0.00116	7.208	-0.00106	-0.00120	-0.00122		
Tl	0.09617	5.228	0.09067	0.09731	0.10053		
V	0.51439	0.763	0.51891	0.51240	0.51185		
Y	29999.66601	0.831	29716.00000	30184.00000	30099.00000		
Zn	0.97960	0.635	0.98670	0.97701	0.97508		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 34 CCV 09/26/96 11:52

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.53460	0.593	0.53402	0.53176	0.53803		
Al	24.71133	0.673	24.68840	24.55760	24.88800		
As	0.52502	0.482	0.52360	0.52351	0.52794		
B	0.52317	0.388	0.52132	0.52285	0.52535		
Ba	0.50763	0.687	0.50736	0.50429	0.51125		
Be	0.51530	0.642	0.51497	0.51217	0.51877		
Ca	25.31466	0.777	25.26712	25.14592	25.53092		
Cd	0.51620	0.691	0.51623	0.51262	0.51976		
Co	0.51603	0.655	0.51390	0.51426	0.51994		
Cr	0.49649	0.739	0.49451	0.49422	0.50072		
Cu	0.52169	0.586	0.52179	0.51858	0.52470		
Fe	24.80064	0.629	24.76224	24.66723	24.97245		
K	25.63673	0.772	25.61780	25.44878	25.84363		
Mg	24.71869	0.552	24.73978	24.57276	24.84351		
Mn	0.51910	0.702	0.51793	0.51617	0.52319		
Mo	0.50088	1.586	0.49388	0.49922	0.50953		
Na	25.04985	0.601	24.97757	24.94884	25.22313		
Ni	0.51902	1.189	0.51724	0.51394	0.52589		
Pb	0.51629	0.377	0.51685	0.51412	0.51789		
Sb	0.48416	1.446	0.47790	0.48286	0.49173		
Se	0.51364	1.193	0.50781	0.51306	0.52004		
Sn	0.50408	1.114	0.50627	0.49769	0.50826		
Sr	0.49912	0.636	0.49912	0.49595	0.50230		
Ti	0.50404	0.667	0.50311	0.50124	0.50778		
Tl	0.51388	1.509	0.50883	0.50999	0.52281		
V	0.50049	0.670	0.49936	0.49785	0.50427		
Y	32267.33398	0.301	32245.00000	32374.00000	32183.00000		
Zn	0.51562	0.755	0.51553	0.51177	0.51956		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 35 CCB 09/26/96 11:57

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00007	529.8	-0.00015	0.00053	-0.00015		
Al	0.03315	7.132	0.03580	0.03125	0.03239		
As	-0.00069	341.7	-0.00036	-0.00321	0.00149		
B	0.00494	12.45	0.00432	0.00555	0.00496		
Ba	-0.00011	16.96	-0.00009	-0.00013	-0.00011		
Be	-0.00066	30.62	-0.00046	-0.00065	-0.00087		
Ca	-0.00115	155.7	0.00062	-0.00110	-0.00296		
Cd	-0.00028	75.94	-0.00018	-0.00052	-0.00013		
Co	-0.00061	35.02	-0.00085	-0.00042	-0.00057		
Cr	0.00041	22.12	0.00033	0.00040	0.00051		
Cu	0.00037	83.61	0.00042	0.00065	0.00003		
Fe	0.03236	10.59	0.02845	0.03379	0.03485		
K	0.10466	2.726	0.10143	0.10569	0.10686		
Mg	0.04028	6.983	0.04121	0.04251	0.03712		
Mn	0.00018	36.81	0.00025	0.00018	0.00011		
Mo	0.00167	36.63	0.00180	0.00220	0.00100		
Na	0.09540	64.25	0.16145	0.04034	0.08442		
Ni	-0.00042	177.5	0.00006	-0.00004	-0.00128		
Pb	-0.00005	1033.	0.00009	-0.00071	0.00045		
Sb	0.00255	77.43	0.00136	0.00483	0.00145		
Se	0.00180	81.78	0.00347	0.00130	0.00064		
Sn	-0.00012	958.0	0.00062	0.00052	-0.00153		
Sr	0.00010	24.22	0.00012	0.00010	0.00007		
Ti	-0.00024	42.91	-0.00032	-0.00012	-0.00027		
Tl	0.00428	53.86	0.00674	0.00394	0.00217		
V	-0.00015	123.0	0.00006	-0.00022	-0.00029		
Y	32324.33398	0.392	32462.00000	32299.00000	32212.00000		
Zn	0.00015	367.2	-0.00034	0.00078	0.00003		

LANCASTER LABORATORIES

Run Name: 962700[illegible]62 INSTRUMENT ID: 05936

Tube: 36 2583831 2SDIS 09/26/96 12:02
****,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00029	37.35	0.00031	0.00018	0.00040		
Al	0.02268	33.14	0.03119	0.01993	0.01693		
As	-0.00279	19.18	-0.00225	-0.00332	-0.00281		
B	0.01794	1.921	0.01828	0.01794	0.01759		
Ba	0.00744	3.882	0.00778	0.00728	0.00727		
Be	-0.00098	49.33	-0.00154	-0.00068	-0.00072		
Ca	18.55295	3.622	19.32776	18.12853	18.20255		
Cd	-0.00025	50.63	-0.00037	-0.00026	-0.00011		
Co	0.00020	251.2	-0.00005	0.00081	-0.00013		
Cr	0.00005	671.5	0.00028	-0.00040	0.00029		
Cu	0.00048	25.50	0.00048	0.00061	0.00036		
Fe	0.02803	17.56	0.03088	0.02234	0.03087		
K	0.62892	3.216	0.65213	0.61508	0.61954		
Mg	7.69833	3.369	7.99785	7.55093	7.54621		
Mn	0.02749	3.728	0.02867	0.02678	0.02703		
Mo	0.00122	67.51	0.00058	0.00092	0.00215		
Na	5.28217	4.613	5.55867	5.09856	5.18926		
Ni	0.00116	19.51	0.00090	0.00123	0.00133		
Pb	0.00042	417.7	0.00227	0.00022	-0.00123		
Sb	0.00177	96.63	0.00372	0.00050	0.00109		
Se	0.00307	62.09	0.00504	0.00294	0.00123		
Sn	0.00246	63.67	0.00065	0.00346	0.00326		
Sr	0.06944	3.438	0.07219	0.06815	0.06797		
Ti	-0.00015	25.91	-0.00019	-0.00014	-0.00011		
Tl	-0.00081	245.5	-0.00188	-0.00203	0.00148		
V	0.00032	76.95	0.00041	0.00003	0.00050		
Y	31762.66601	2.989	30667.00000	32273.00000	32348.00000		
Zn	0.00511	6.938	0.00545	0.00514	0.00474		

DUP050307392

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 37 2583832 IDDIS 09/26/96 12:07
****,100-100,DF10,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00029	94.92	0.00009	0.00061	0.00017		
Al	0.01099	45.38	0.00558	0.01542	0.01197		
As	0.00080	177.5	0.00088	-0.00066	0.00218		
B	0.04286	2.937	0.04148	0.04395	0.04314		
Ba	0.01240	1.269	0.01222	0.01244	0.01253		
Be	-0.00066	33.31	-0.00041	-0.00075	-0.00082		
Ca	10.01337	1.430	9.85204	10.12569	10.06238		
Cd	-0.00023	55.80	-0.00036	-0.00010	-0.00024		
Co	-0.00010	199.0	-0.00033	0.00008	-0.00006		
Cr	0.00007	472.9	0.00000	0.00043	-0.00022		
Cu	0.00070	46.13	0.00057	0.00107	0.00046		
Fe	0.06239	18.64	0.05602	0.07582	0.05534		
K	0.34906	6.121	0.32452	0.36358	0.35906		
Mg	3.06337	1.465	3.01262	3.09792	3.07958		
Mn	0.07763	1.386	0.07639	0.07836	0.07814		
Mo	0.00083	138.3	0.00108	0.00183	-0.00042		
Na	4.72215	2.328	4.60236	4.81846	4.74562		
Ni	0.00042	423.7	-0.00058	0.00247	-0.00062		
Pb	0.00146	37.94	0.00090	0.00148	0.00201		
Sb	-0.00027	294.8	0.00011	0.00026	-0.00120		
Se	-0.00035	471.8	-0.00072	-0.00181	0.00147		
Sn	0.00326	38.16	0.00460	0.00302	0.00214		
Sr	0.05557	1.236	0.05478	0.05588	0.05604		
Ti	-0.00021	92.18	-0.00028	0.00000	-0.00035		
Tl	0.00323	107.4	-0.00051	0.00633	0.00386		
V	0.00015	172.4	-0.00014	0.00039	0.00022		
Y	32384.00000	0.960	32741.00000	32240.00000	32171.00000		
Zn	0.00720	10.39	0.00636	0.00780	0.00744		

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DUP050307393

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube#: 38 2583223 RS4DF 09/26/96 12:12
****;100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00011	480.5	-0.00048	0.00061	0.00021		
Al	0.05519	1.571	0.05526	0.05601	0.05428		
As	-0.00099	283.3	-0.00126	0.00194	-0.00366		
B	0.37412	0.666	0.37135	0.37619	0.37482		
Ba	0.05291	0.637	0.05252	0.05310	0.05310		
Be	-0.00108	16.78	-0.00093	-0.00128	-0.00103		
Ca	210.15130	0.803	208.20411	211.20480	211.04499		
Cd	-0.00026	32.21	-0.00036	-0.00019	-0.00023		
Co	0.00497	12.23	0.00445	0.00482	0.00564		
Cr	0.00024	106.2	0.00013	0.00005	0.00054		
Cu	0.00110	37.48	0.00065	0.00119	0.00146		
Fe	0.11771	20.33	0.09052	0.13564	0.12697		
K	4.25788	0.750	4.22533	4.25910	4.28922		
Mg	83.55701	0.550	83.02648	83.85146	83.79309		
Mn	0.76076	0.641	0.75517	0.76413	0.76299		
Mo	0.00588	4.459	0.00590	0.00560	0.00612		
Na	63.08239	0.552	62.68104	63.31122	63.25492		
Ni	0.00622	7.372	0.00656	0.00641	0.00570		
Pb	0.00098	108.5	-0.00019	0.00125	0.00191		
Sb	0.00186	161.5	-0.00146	0.00440	0.00264		
Se	0.00053	696.9	0.00055	-0.00319	0.00424		
Sn	-0.00001	15668	-0.00021	0.00208	-0.00190		
Sr	1.51980	0.451	1.51193	1.52452	1.52294		
Ti	0.00030	76.38	0.00004	0.00036	0.00049		
Tl	0.00152	133.4	0.00378	-0.00014	0.00092		
V	0.00035	83.51	0.00064	0.00006	0.00033		
Y	31645.00000	0.030	31636.00000	31644.00000	31655.00000		
Zn	0.00983	11.49	0.00854	0.01067	0.01027		

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DUP050307394

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 39 2583224 4DDPF 09/26/96 12:17
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00016	226.9	0.00029	-0.00026	0.00046		
Al	0.01430	16.25	0.01686	0.01230	0.01375		
As	-0.00309	81.12	-0.00096	-0.00246	-0.00585		
B	0.32104	0.216	0.32177	0.32038	0.32097		
Ba	0.05117	0.567	0.05149	0.05092	0.05109		
Be	-0.00100	20.04	-0.00123	-0.00085	-0.00092		
X Ca	211.43548	0.400	211.25750	210.69284	212.35609		
X Cd	-0.00012	70.89	-0.00005	-0.00008	-0.00021		
Co	0.00493	7.670	0.00500	0.00452	0.00527		
Cr	0.00062	42.39	0.00092	0.00043	0.00050		
Cu	0.00072	21.31	0.00067	0.00059	0.00089		
Fe	0.04360	48.43	0.04867	0.02040	0.06173		
K	4.03562	1.021	4.08058	3.99963	4.02666		
Mg	83.50205	0.307	83.74384	83.23310	83.52923		
Mn	0.73839	0.238	0.73868	0.73650	0.73998		
Mo	0.00644	17.50	0.00633	0.00537	0.00762		
Na	62.29665	0.727	62.80651	61.94007	62.14337		
Ni	0.00760	7.603	0.00694	0.00803	0.00782		
Pb	-0.00035	225.2	0.00000	-0.00127	0.00020		
Sb	0.00173	49.74	0.00092	0.00164	0.00264		
Se	0.00046	218.9	0.00162	0.00008	-0.00030		
Sn	0.00200	63.82	0.00263	0.00285	0.00053		
Sr	1.51899	0.417	1.52612	1.51396	1.51690		
Ti	-0.00058	14.90	-0.00063	-0.00064	-0.00048		
Tl	0.00187	133.9	0.00159	-0.00048	0.00450		
V	0.00029	48.17	0.00016	0.00045	0.00027		
Y	31585.33398	0.447	31423.00000	31680.00000	31653.00000		
Zn	0.01203	2.017	0.01229	0.01199	0.01181		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 40 2583225 RA4SF 09/26/96 12:22
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00031	98.24	-0.00003	0.00043	0.00054		
Al	0.01054	19.92	0.00989	0.01289	0.00884		
As	-0.00049	511.5	0.00213	-0.00296	-0.00066		
B	0.07002	1.527	0.06883	0.07030	0.07091		
Ba	0.11430	0.195	0.11412	0.11455	0.11424		
Be	-0.00081	2.771	-0.00079	-0.00083	-0.00080		
Ca	125.92391	0.454	125.47232	125.73133	126.56809		
Cd	-0.00023	48.83	-0.00034	-0.00011	-0.00024		
Co	0.00441	13.51	0.00503	0.00384	0.00436		
Cr	0.00088	36.51	0.00125	0.00069	0.00069		
Cu	0.00112	11.06	0.00098	0.00115	0.00122		
Fe	-0.01438	71.95	-0.01743	-0.02285	-0.00284		
K	2.10837	0.716	2.10010	2.12581	2.09920		
Mg	49.67541	0.104	49.61663	49.69599	49.71362		
Mn	0.69289	0.198	0.69142	0.69311	0.69415		
Mo	0.00288	24.30	0.00347	0.00211	0.00305		
Na	36.24118	0.602	36.04892	36.47850	36.19610		
Ni	0.01436	4.645	0.01383	0.01415	0.01511		
Pb	-0.00053	263.6	-0.00212	0.00063	-0.00013		
Sb	0.00207	79.67	0.00287	0.00017	0.00316		
Se	0.00355	24.05	0.00374	0.00261	0.00429		
Sn	0.00104	43.05	0.00072	0.00084	0.00155		
Sr	0.34561	0.227	0.34489	0.34645	0.34550		
Ti	-0.00040	20.38	-0.00037	-0.00049	-0.00033		
Tl	-0.00044	1160.	0.00523	-0.00470	-0.00185		
V	0.00130	4.194	0.00124	0.00131	0.00135		
Y	31795.33398	0.052	31776.00000	31804.00000	31806.00000		
Zn	0.01041	3.643	0.01003	0.01079	0.01040		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID:. 05936

Tube: 41 2583227 RA35F 09/26/96 12:27
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00016	126.9	0.00002	0.00007	0.00041		
Al	0.11805	1.05	0.11697	0.11779	0.11940		
As	0.00243	103.0	0.00396	-0.00045	0.00377		
B	0.06108	1.181	0.06036	0.06109	0.06180		
Ba	0.07579	0.221	0.07562	0.07595	0.07581		
Be	-0.00104	-7.841	-0.00095	-0.00112	-0.00106		
Ca	224.44313	0.520	223.10585	224.96513	225.25842		
Cd	0.00010	104.5	0.00008	0.00000	0.00022		
Co	0.00057	68.63	0.00079	0.00011	0.00079		
Cr	0.00107	27.48	0.00121	0.00126	0.00073		
Cu	0.00137	23.82	0.00172	0.00107	0.00132		
Fe	0.09637	11.07	0.09983	0.08439	0.10488		
K	2.92713	0.417	2.94120	2.91931	2.92088		
Mg	89.15540	0.385	88.78842	89.46887	89.20892		
Mn	0.20339	0.322	0.20265	0.20390	0.20362		
Mo	0.00659	11.12	0.00699	0.00574	0.00703		
Na	56.46310	0.144	56.45472	56.54856	56.38602		
Ni	0.01147	10.29	0.01206	0.01012	0.01225		
Pb	0.00191	59.28	0.00140	0.00322	0.00113		
Sb	0.01025	8.631	0.00926	0.01097	0.01051		
Se	0.03265	4.264	0.03183	0.03426	0.03186		
Sn	0.00118	133.7	-0.00064	0.00214	0.00203		
Sr	0.70907	0.261	0.70745	0.71108	0.70867		
Ti	0.00278	2.165	0.00276	0.00273	0.00284		
Tl	0.00202	117.5	0.00264	0.00403	-0.00060		
V	0.00286	11.49	0.00290	0.00316	0.00251		
Y	31453.33398	0.341	31560.00000	31345.00000	31455.00000		
Zn	0.01591	1.653	0.01591	0.01564	0.01616		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 42 2583830.2DDIS 09/26/96 12:32
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00023	146.0	-0.00008	0.00060	0.00019		
Al	0.01094	19.35	0.01241	0.00851	0.01189		
As	-0.00024	648.1	0.00035	0.00095	-0.00203		
B	0.32595	0.749	0.32488	0.32422	0.32875		
Ba	0.11791	0.174	0.11805	0.11767	0.11801		
Be	-0.00098	16.70	-0.00079	-0.00109	-0.00105		
Ca	73.30468	0.276	73.21475	73.16247	73.53683		
Cd	-0.00039	19.38	-0.00048	-0.00038	-0.00032		
Co	0.00127	12.08	0.00110	0.00132	0.00139		
Cr	0.00020	149.3	-0.00013	0.00027	0.00046		
Cu	0.00063	15.69	0.00063	0.00054	0.00074		
Fe	0.22723	3.233	0.22310	0.22289	0.23572		
K	5.76762	0.538	5.80336	5.74712	5.75236		
Mg	31.09099	0.240	31.12611	31.00512	31.14175		
Mn	0.25258	0.106	0.25254	0.25233	0.25286		
Mo	0.00966	5.216	0.00909	0.01005	0.00985		
Na	50.76529	0.625	51.12262	50.51609	50.65717		
Ni	0.00249	10.09	0.00221	0.00254	0.00271		
Pb	0.00094	101.3	0.00206	0.00040	0.00038		
Sb	0.00189	53.23	0.00280	0.00080	0.00208		
Se	0.00051	378.0	0.00163	-0.00173	0.00165		
Sn	0.00535	6.345	0.00508	0.00573	0.00523		
Sr	0.55519	0.280	0.55645	0.55345	0.55568		
Tl	0.00021	16.87	0.00017	0.00023	0.00024		
Ti	-0.00249	151.2	-0.00685	-0.00046	-0.00016		
V	0.00026	60.77	0.00011	0.00025	0.00043		
Y	31837.00000	0.285	31871.00000	31906.00000	31734.00000		
Zn	0.00958	9.140	0.01059	0.00905	0.00910		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 43 2583831 2SDIS 09/26/96 12:37
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	-0.00006	69.07	-0.00012	-0.00006	-0.00002		
Al	0.04715	4.042	0.04831	0.04495	0.04819		
As	-0.00206	90.91	-0.00189	-0.00401	-0.00027		
B	0.13777	0.352	0.13759	0.13740	0.13832		
Ba	0.07723	0.462	0.07764	0.07704	0.07701		
Be	-0.00122	13.68	-0.00124	-0.00137	-0.00104		
Ca	192.61022	0.409	193.49043	191.96656	192.37370		
Cd	-0.00016	136.4	-0.00038	-0.00017	0.00006		
Co	0.00047	64.22	0.00041	0.00019	0.00079		
Cr	0.00030	119.2	-0.00010	0.00042	0.00057		
Cu	0.00082	2.300	0.00083	0.00080	0.00084		
Fe	-0.02953	19.95	-0.03387	-0.02282	-0.03189		
K	6.42020	0.731	6.47388	6.38660	6.40013		
Mg	79.73394	0.386	80.07570	79.47628	79.64985		
Mn	0.27714	0.355	0.27820	0.27625	0.27699		
Mo	0.00244	37.67	0.00351	0.00189	0.00194		
Na	56.33201	0.538	56.67977	56.19275	56.12351		
Ni	0.00483	40.98	0.00344	0.00395	0.00710		
Pb	0.00090	68.92	0.00091	0.00152	0.00027		
Sb	0.00095	156.4	-0.00072	0.00214	0.00143		
Se	0.02763	5.220	0.02707	0.02655	0.02927		
Sn	0.00280	97.47	0.00129	0.00116	0.00596		
Sr	0.70492	0.464	0.70869	0.70276	0.70332		
Ti	0.00053	14.36	0.00044	0.00058	0.00057		
Tl	-0.00094	173.8	-0.00255	-0.00104	0.00074		
V	0.00087	32.25	0.00077	0.00066	0.00119		
Y	31325.00000	0.342	31201.00000	31386.00000	31388.00000		
Zn	0.00973	6.079	0.00906	0.00997	0.01016		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 44 2583832 IDDIS 09/26/96 12:42
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00015	143.1	0.00019	0.00034	-0.00008		
Al	0.01241	3.632	0.01241	0.01286	0.01195		
As	-0.00295	62.28	-0.00379	-0.00422	-0.00084		
B	0.31147	0.611	0.30943	0.31178	0.31320		
Ba	0.12763	0.666	0.12667	0.12789	0.12831		
Be	-0.00073	22.64	-0.00054	-0.00087	-0.00077		
Ca	103.37725	0.531	102.74988	103.77292	103.60897		
Cd	-0.00033	34.90	-0.00027	-0.00026	-0.00047		
Co	0.00088	21.94	0.00073	0.00110	0.00080		
Cr	0.00024	51.90	0.00009	0.00031	0.00031		
Cu	0.00082	23.38	0.00095	0.00090	0.00060		
Fe	0.33435	4.063	0.33346	0.34836	0.32123		
K	3.05530	0.641	3.04876	3.03982	3.07733		
Mg	31.11323	0.578	30.90660	31.19874	31.23437		
Mn	0.78662	0.480	0.78226	0.78898	0.78861		
Mo	0.00806	7.470	0.00750	0.00870	0.00798		
Na	49.47684	0.628	49.20494	49.40976	49.81583		
Ni	0.00321	26.40	0.00409	0.00240	0.00314		
Pb	0.00075	174.4	0.00174	0.00124	-0.00073		
Sb	0.00129	85.09	0.00254	0.00051	0.00081		
Se	0.00012	1776.	0.00009	-0.00200	0.00227		
Sn	0.00102	210.1	-0.00007	0.00351	-0.00035		
Sr	0.55837	0.516	0.55517	0.55915	0.56078		
Ti	-0.00045	13.36	-0.00042	-0.00041	-0.00052		
Tl	-0.00214	87.90	0.00003	-0.00324	-0.00323		
V	-0.00018	81.00	-0.00004	-0.00016	-0.00034		
Y	31971.56601	0.540	32171.00000	31866.00000	31878.00000		
Zn	0.00955	1.737	0.00935	0.00965	0.00964		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 45 2583833 ISDIS 09/26/96 12:47
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00036	107.4	0.00081	0.00004	0.00025		
Al	0.05559	2.799	0.05571	0.05398	0.05709		
As	-0.00152	131.8	-0.00016	-0.00057	-0.00384		
B	0.05487	2.519	0.05645	0.05427	0.05388		
Ba	0.07701	0.380	0.07716	0.07721	0.07668		
Be	-0.00079	16.51	-0.00084	-0.00088	-0.00064		
X Ca	166.10227	0.356	166.65406	166.17576	165.47702		
X Cd	-0.00039	26.02	-0.00035	-0.00051	-0.00031		
Co	-0.00025	35.55	-0.00031	-0.00031	-0.00015		
Cr	0.00101	17.83	0.00089	0.00092	0.00122		
Cu	0.00124	8.486	0.00126	0.00113	0.00134		
Fe	0.01850	78.53	0.03080	0.02225	0.00246		
K	1.65582	0.490	1.66349	1.65667	1.64731		
Mg	58.59210	0.374	58.73626	58.70069	58.33937		
Mn	0.00712	0.589	0.00714	0.00714	0.00707		
Mo	0.00207	12.02	0.00233	0.00183	0.00205		
Na	41.49222	0.382	41.40862	41.67547	41.39257		
Ni	0.00218	57.86	0.00242	0.00082	0.00332		
Pb	-0.00071	31.27	-0.00052	-0.00096	-0.00067		
Sb	0.00419	49.84	0.00640	0.00224	0.00394		
Se	0.16210	0.935	0.16111	0.16385	0.16136		
Sn	0.00115	153.4	0.00181	0.00250	-0.00085		
Sr	0.43912	0.346	0.44001	0.43998	0.43736		
Ti	0.00071	22.89	0.00090	0.00066	0.00058		
Tl	0.00122	415.8	-0.00116	-0.00222	0.00705		
V	0.00075	36.35	0.00099	0.00045	0.00082		
Y	31756.66601	0.424	31673.00000	31685.00000	31912.00000		
Zn	0.01254	4.506	0.01296	0.01276	0.01190		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 46 CCV 09/26/96 12:52

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.54813	1.962	0.56051	0.54102	0.54287		
Al	25.21118	1.773	25.72407	24.90270	25.00677		
As	0.53379	1.578	0.54273	0.52599	0.53264		
B	0.53807	2.048	0.55071	0.53048	0.53302		
Ba	0.51909	1.954	0.53078	0.51266	0.51381		
Be	0.53414	2.096	0.54706	0.52724	0.52812		
Ca	26.24389	2.043	26.86306	25.92007	25.94855		
Cd	0.53486	2.188	0.54837	0.52784	0.52837		
Co	0.53486	1.915	0.54668	0.52855	0.52935		
Cr	0.51396	2.010	0.52589	0.50822	0.50778		
Cu	0.53334	1.957	0.54527	0.52586	0.52889		
Fe	25.81180	2.136	26.44842	25.48324	25.50374		
K	25.98122	1.411	26.39659	25.70274	25.84433		
Mg	25.40609	2.005	25.98926	25.04802	25.18099		
Mn	0.53575	1.957	0.54786	0.52952	0.52987		
Mo	0.51513	1.262	0.52220	0.50940	0.51378		
Na	25.37681	0.701	25.56671	25.21363	25.35010		
Ni	0.53727	2.355	0.55158	0.53268	0.52755		
Pb	0.53383	2.135	0.54695	0.52636	0.52817		
Sb	0.49916	0.885	0.50414	0.49571	0.49763		
Se	0.52713	1.621	0.53633	0.52561	0.51944		
Sn	0.52275	2.184	0.53589	0.51522	0.51712		
Sr	0.51000	1.976	0.52161	0.50344	0.50496		
Ti	0.51828	1.931	0.52981	0.51190	0.51312		
Tl	0.53047	2.508	0.54570	0.52109	0.52461		
V	0.51706	2.050	0.52928	0.51027	0.51164		
Y	31905.33398	1.492	31356.00000	32202.00000	32158.00000		
Zn	0.53846	1.921	0.55009	0.53029	0.53500		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 47 CCB 09/26/96 12:57

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00022	60.07	0.00008	0.00022	0.00035		
Al	0.01843	8.048	0.01727	0.01792	0.02010		
As	-0.00101	164.8	0.00031	-0.00046	-0.00289		
B	0.00567	3.266	0.00545	0.00577	0.00578		
Ba	-0.00020	5.637	-0.00019	-0.00021	-0.00019		
Be	-0.00036	27.77	-0.00029	-0.00030	-0.00047		
Ca	-0.02159	6.218	-0.02010	-0.02198	-0.02270		
Cd	-0.00027	37.64	-0.00036	-0.00016	-0.00028		
Co	0.00043	80.92	0.00003	0.00060	0.00067		
Cr	0.00056	64.49	0.00018	0.00091	0.00058		
Cu	0.00076	22.97	0.00062	0.00096	0.00072		
Fe	0.03215	3.951	0.03115	0.03358	0.03172		
K	0.11186	2.200	0.11158	0.10954	0.11444		
Mg	0.02005	7.004	0.01844	0.02101	0.02070		
Mn	0.00017	13.48	0.00015	0.00019	0.00019		
Mo	0.00143	19.95	0.00159	0.00161	0.00110		
Na	0.15013	35.24	0.12219	0.11705	0.21116		
Ni	0.00032	144.2	-0.00019	0.00045	0.00070		
Pb	0.00074	240.6	-0.00128	0.00215	0.00137		
Sb	0.00378	35.05	0.00504	0.00239	0.00391		
Se	0.00116	210.4	0.00372	-0.00114	0.00090		
Sn	0.00068	463.9	-0.00206	0.00420	-0.00007		
Sr	0.00015	6.464	0.00014	0.00016	0.00016		
Ti	-0.00011	28.38	-0.00007	-0.00012	-0.00013		
Tl	0.00262	250.6	0.00195	-0.00359	0.00952		
V	0.00016	115.2	-0.00002	0.00016	0.00035		
Y	32719.66601	0.243	32800.00000	32718.00000	32641.00000		
Zn	0.00138	39.07	0.00076	0.00169	0.00170		

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LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 48 2583834 FBIDS 09/26/96 13:02
****,100-100,DF1,962685720002,8,,

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00023	61.71	0.00037	0.00025	0.00008		
Al	0.01577	17.11	0.01575	0.01848	0.01308		
As	-0.00150	108.9	0.00030	-0.00192	-0.00288		
B	0.03763	1.165	0.03785	0.03713	0.03792		
Ba	0.00152	0.837	0.00152	0.00153	0.00151		
Be	-0.00040	2.290	-0.00039	-0.00041	-0.00040		
Ca	0.00035	132.0	0.00051	0.00073	-0.00017		
Cd	-0.00043	9.021	-0.00043	-0.00039	-0.00047		
Co	0.00007	870.5	0.00067	0.00016	-0.00062		
Cr	-0.00023	142.3	-0.00042	0.00015	-0.00042		
Cu	0.00149	15.58	0.00172	0.00150	0.00126		
Fe	0.02605	15.41	0.02858	0.02815	0.02142		
K	0.11345	2.667	0.11194	0.11694	0.11148		
Mg	0.01908	15.88	0.02097	0.02070	0.01559		
Mn	0.00149	3.095	0.00147	0.00155	0.00147		
Mo	0.00080	42.22	0.00062	0.00059	0.00120		
Na	0.16660	45.83	0.16936	0.24155	0.08889		
Ni	0.00208	32.83	0.00131	0.00262	0.00232		
Pb	0.00040	86.60	0.00078	0.00033	0.00009		
Sb	0.00108	130.0	-0.00033	0.00109	0.00248		
Se	-0.00156	157.2	0.00089	-0.00156	-0.00401		
Sn	-0.00009	1131.	0.00020	0.00082	-0.00132		
Sr	0.00022	7.823	0.00020	0.00023	0.00021		
Tl	-0.00015	50.12	-0.00006	-0.00018	-0.00020		
Ti	-0.00036	798.4	-0.00322	0.00260	-0.00047		
V	-0.00026	62.88	-0.00046	-0.00014	-0.00019		
Y	32726.00000	0.225	32795.00000	32648.00000	32735.00000		
Zn	0.01084	5.969	0.01187	0.01012	0.01102		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 49 CRI 09/26/96 13:07

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.02186	1.172	0.02190	0.02159	0.02210		
Al	-0.00910	12.17	-0.00860	-0.01037	-0.00833		
As	0.01985	13.38	0.02247	0.01716	0.01993		
B	0.00291	9.726	0.00292	0.00263	0.00319		
Ba	-0.00016	17.20	-0.00016	-0.00020	-0.00014		
Be	0.01067	0.716	0.01075	0.01060	0.01067		
Ca	-0.04032	4.240	-0.04044	-0.04197	-0.03855		
Cd	0.01052	3.170	0.01013	0.01075	0.01066		
Co	0.10896	0.527	0.10837	0.10900	0.10952		
Cr	0.02075	3.235	0.02024	0.02050	0.02151		
Cu	0.05433	0.158	0.05423	0.05438	0.05437		
Fe	0.03099	26.72	0.02441	0.02827	0.04030		
K	0.10373	4.123	0.10353	0.09956	0.10811		
Mg	0.01046	16.47	0.00929	0.00965	0.01244		
Mn	0.03251	0.348	0.03250	0.03241	0.03263		
Mo	0.00089	118.2	-0.00021	0.00189	0.00100		
Na	0.08662	65.77	0.08989	0.02808	0.14190		
Ni	0.08828	1.728	0.08734	0.08746	0.09004		
Pb	0.00794	15.45	0.00869	0.00860	0.00652		
Sb	0.11962	2.780	0.12116	0.11580	0.12189		
Se	0.01120	27.56	0.00890	0.01471	0.00999		
Sn	-0.00095	108.6	0.00013	-0.00106	-0.00193		
Sr	0.00004	60.56	0.00005	0.00001	0.00006		
Ti	-0.00019	40.31	-0.00022	-0.00026	-0.00010		
Tl	0.02160	7.537	0.02104	0.02343	0.02032		
V	0.10579	0.294	0.10605	0.10544	0.10586		
Y	33330.66796	0.236	33295.00000	33276.00000	33421.00000		
Zn	0.04382	1.906	0.04363	0.04310	0.04474		

Page: 51

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Title: 50 .ICSA 09/26/96 13:12

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00046	36.73	0.00065	0.00039	0.00033		
Al	526.43231	1.104	519.88018	528.43475	530.98199		
As	-0.00319	10.50	-0.00358	-0.00299	-0.00301		
B	0.01833	6.462	0.01826	0.01719	0.01956		
Ba	0.00861	1.053	0.00853	0.00859	0.00871		
Be	-0.00045	56.90	-0.00026	-0.00034	-0.00074		
Ca	531.19934	0.946	526.04449	531.46911	536.08435		
Cd	-0.00347	5.011	-0.00327	-0.00356	-0.00359		
Co	0.00102	27.16	0.00079	0.00094	0.00133		
Cr	0.00165	21.65	0.00193	0.00179	0.00125		
Cu	-0.00006	610.1	0.00038	-0.00041	-0.00017		
Fe	210.58103	0.900	208.58444	210.80279	212.35586		
K	0.10127	5.409	0.09547	0.10197	0.10636		
Mg	532.14910	0.898	527.06695	532.82141	536.55895		
Mn	0.00656	0.718	0.00651	0.00656	0.00661		
Mo	0.00064	162.1	-0.00031	0.00049	0.00174		
Na	0.25709	23.45	0.32579	0.21297	0.23250		
Ni	0.00197	50.73	0.00148	0.00313	0.00132		
Pb	0.00045	431.2	-0.00096	-0.00036	0.00269		
Sb	0.01431	22.44	0.01085	0.01489	0.01720		
Se	-0.00758	15.62	-0.00893	-0.00669	-0.00713		
Sn	0.00740	38.32	0.00412	0.00909	0.00899		
Sr	0.02115	0.986	0.02091	0.02122	0.02131		
Ti	-0.00115	2.432	-0.00118	-0.00112	-0.00115		
Tl	-0.01041	23.55	-0.01145	-0.00760	-0.01216		
V	-0.00249	33.84	-0.00152	-0.00288	-0.00307		
Y	30415.66601	0.877	30706.00000	30360.00000	30181.00000		
Zn	0.00373	47.96	0.00293	0.00248	0.00578		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 51 ICSAB 09/26/96 13:17

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.23157	0.625	0.22991	0.23224	0.23256		
Al	529.25970	0.866	523.96484	531.96398	531.85021		
As	0.11271	3.387	0.10836	0.11429	0.11550		
B	0.03067	3.386	0.02954	0.03159	0.03086		
Ba	0.56007	0.851	0.55467	0.56372	0.56182		
Be	0.51783	0.609	0.51444	0.51836	0.52069		
Ca	529.33050	0.613	526.80578	528.19042	532.99523		
Cd	1.02287	0.538	1.01815	1.02154	1.02892		
Co	0.53227	0.653	0.52839	0.53331	0.53511		
Cr	0.51048	0.664	0.50791	0.50921	0.51432		
Cu	0.59508	1.034	0.58824	0.60019	0.59680		
Fe	210.09428	0.656	208.64758	210.23983	211.39541		
K	0.09908	2.872	0.10057	0.09580	0.10087		
Mg	531.75482	0.696	527.48211	533.74023	534.04211		
Mn	0.53877	0.544	0.53573	0.53900	0.54159		
Mo	0.00062	322.0	0.00094	-0.00152	0.00244		
Na	0.24690	30.67	0.30012	0.16020	0.28038		
Ni	1.03650	0.207	1.03524	1.03527	1.03898		
Pb	0.05183	7.825	0.04741	0.05272	0.05537		
Sb	0.63434	1.146	0.62603	0.63951	0.63749		
Se	0.04505	4.286	0.04687	0.04302	0.04527		
Sn	0.00850	39.06	0.01213	0.00560	0.00778		
Sr	0.02127	0.600	0.02112	0.02132	0.02136		
Ti	-0.00129	9.234	-0.00121	-0.00143	-0.00123		
Tl	0.09190	5.569	0.09750	0.08746	0.09075		
V	0.52382	0.451	0.52165	0.52348	0.52634		
Y	30405.00000	0.760	30668.00000	30234.00000	30313.00000		
Zn	1.00752	0.713	1.00423	1.00257	1.01577		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 52 CCV 09/26/96 13:21

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.53710	0.813	0.53969	0.53956	0.53206		
Al	24.74460	0.667	24.80769	24.86883	24.55729		
As	0.53144	0.906	0.53296	0.53531	0.52604		
B	0.52691	0.691	0.52799	0.52990	0.52286		
Ba	0.50806	0.669	0.50914	0.51079	0.50425		
Be	0.52793	1.006	0.53193	0.52996	0.52190		
Ca	25.98742	1.035	26.19655	26.08186	25.68384		
Cd	0.53042	0.747	0.53406	0.53100	0.52619		
Co	0.52815	1.029	0.53294	0.52927	0.52224		
Cr	0.50680	1.213	0.51117	0.50947	0.49977		
Cu	0.51993	0.622	0.52089	0.52258	0.51633		
Fe	25.35507	0.753	25.47430	25.45607	25.13483		
K	25.54660	0.459	25.61472	25.61403	25.41104		
Mg	24.83837	0.733	24.92962	24.95697	24.62851		
Mn	0.52865	0.858	0.53229	0.53010	0.52357		
Mo	0.50911	0.724	0.50804	0.51322	0.50608		
Na	25.03948	0.948	25.28554	25.02136	24.81154		
Ni	0.53252	1.558	0.53910	0.53526	0.52319		
Pb	0.52210	0.842	0.51815	0.52684	0.52130		
Sb	0.49949	0.579	0.49974	0.50226	0.49648		
Se	0.51938	0.573	0.51612	0.52196	0.52005		
Sn	0.51226	1.917	0.52110	0.51399	0.50169		
Sr	0.50092	0.700	0.50274	0.50315	0.49688		
Ti	0.50892	0.797	0.51105	0.51147	0.50424		
Tl	0.52220	1.613	0.51537	0.53162	0.51962		
V	0.50923	0.708	0.51233	0.51009	0.50527		
Y	33102.66796	0.512	33145.00000	32916.00000	33247.00000		
Zn	0.54446	1.023	0.54799	0.54735	0.53804		

LANCASTER LABORATORIES

Run Name: 9627004T62 INSTRUMENT ID: 05936

Tube: 53 CCB 09/26/96 13:26

ELEM	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	REREAD	REDIG
Ag	0.00007	105.2	0.00013	0.00010	-0.00001		
Al	0.05567	42.91	0.08325	0.04249	0.04128		
As	-0.00040	514.7	0.00194	-0.00190	-0.00124		
B	0.01166	2.401	0.01166	0.01195	0.01139		
Ba	-0.00023	27.40	-0.00015	-0.00025	-0.00027		
Be	-0.00020	58.01	-0.00008	-0.00019	-0.00032		
Ca	0.00802	338.1	0.03916	-0.00469	-0.01041		
Cd	-0.00024	61.55	-0.00014	-0.00016	-0.00041		
Co	-0.00013	155.4	-0.00025	0.00010	-0.00025		
Cr	-0.00011	297.5	0.00008	-0.00008	-0.00049		
Cu	0.00066	25.27	0.00083	0.00067	0.00049		
Fe	0.04557	21.98	0.05671	0.04269	0.03730		
K	0.10843	2.847	0.10688	0.11199	0.10642		
Mg	0.06298	42.02	0.09351	0.04891	0.04652		
Mn	0.00009	36.86	0.00009	0.00013	0.00006		
Mo	0.00118	68.12	0.00178	0.00149	0.00026		
Na	0.08235	89.77	0.16346	0.06488	0.01872		
Ni	0.00006	1593.	0.00087	0.00044	-0.00112		
Pb	0.00061	129.2	0.00126	-0.00026	0.00084		
Sb	0.00262	19.00	0.00221	0.00317	0.00246		
Se	0.00110	232.4	-0.00183	0.00289	0.00223		
Sn	0.00330	24.04	0.00365	0.00385	0.00239		
Sr	0.00007	34.95	0.00009	0.00007	0.00004		
Ti	-0.00016	70.74	-0.00004	-0.00017	-0.00028		
Tl	0.00299	139.5	0.00094	0.00780	0.00023		
V	-0.00015	210.3	-0.00038	0.00022	-0.00031		
Y	32879.33203	0.135	32895.00000	32914.00000	32829.00000		
Zn	0.00088	84.85	0.00131	0.00131	0.00001		

Data Reviewed by: NCH/243 9-26-96

Data Verified by: [signature] 9-27-96

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Furnace Data

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: JSlaughenhoupt 8/5/9

DATA VERIFIED BY: EBT 8/5/9

DATA FILE NAME: AS960A10.RAT INSTRUMENT NO: 04724
RUN NAME: 9626901F04 BKG CORR: BZ

ANALYST: 114 ELEMENT: AS

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Concentration is used to evaluate if sample results are within calibration range.

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 1 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE:	1	09/24/96 21:09			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.1600	11.8	-0.001	-0.002	-0.001

TUBE:	2	09/24/96 21:13			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S10		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.7900	5.4	0.027	0.026	0.029

TUBE:	3	09/24/96 21:17			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S20		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.0200	7.3	0.057	0.054	0.060

TUBE:	4	09/24/96 21:21			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S40		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
43.2800	5.8	0.124	0.129	0.119

TUBE:	5	09/24/96 21:25			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S60		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
59.7100	2.3	0.184	0.180	0.187

TUBE:	6	09/24/96 21:29			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S80		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
80.8700	0.9	0.248	0.250	0.247

TUBE:	7	09/24/96 21:34			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
53.4700	1.0	0.164	0.163	0.166

%RECOVERY = 106.9

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 8 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AG

TUBE: 8 09/24/96 21:38

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.6000	76.6	0.002	0.005	-0.000

TUBE: 9 09/24/96 21:42

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
12.4100	1.0	0.036	0.036	0.036

TUBE: 10 09/24/96 21:46

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.3900	1.7	0.130	0.131	0.128

%RECOVERY = 106.0

TUBE: 11 09/24/96 21:50

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.0600	17.6	0.001	0.001	0.000

TUBE: 12 09/24/96 21:54

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW ZZZZZZ	********	100	100	1	962681056001

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
--	1.3000	129.6	0.001	0.005	-0.002	---	---

TUBE: 13 09/24/96 21:59

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.4400	0.3	0.064	0.064	0.064

%RECOVERY = 100.7

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 3 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 14 09/24/96 22:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	********	1	1	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	42.1200	2.4	0.129	0.127	0.131		

TUBE: 15 09/24/96 22:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	******A*	1	1	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
60.7700	1.3	0.187	0.189	0.186

%RECOVERY = 93.2

TUBE: 16 09/24/96 22:12

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583205	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	1.2700	100.7	0.001	0.004	-0.001		

TUBE: 17 09/24/96 22:16

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583205	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.1300	0.6	0.057	0.057	0.057

%RECOVERY = 89.3

TUBE: 18 09/24/96 22:20

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583206	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	0.6700	99.7	-0.001	0.001	-0.002		

TUBE: 19 09/24/96 22:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583206	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.9600	2.0	0.057	0.057	0.056

%RECOVERY = 94.8

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 4 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 20 09/24/96 22:29

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583207	********	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.3300	252.2	-0.002	0.000	-0.003		

TUBE: 21 09/24/96 22:33

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583207	*****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.1800	0.1	0.057	0.057	0.057

%RECOVERY = 95.9

TUBE: 22 09/24/96 22:38

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
41.9000	2.3	0.128	0.126	0.130

%RECOVERY = 104.8

TUBE: 23 09/24/96 22:42

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.0200	31.4	0.001	-0.000	0.001

TUBE: 24 09/24/96 22:46

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583200	********	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.4200	163.9	-0.001	0.000	-0.003		

TUBE: 25 09/24/96 22:50

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583200	*****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.4800	1.2	0.061	0.061	0.062

%RECOVERY = 102.4

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 5 INSTRUMENT ID: 04724
ANALYST: 114 CFAA ELEMENT: AG

TUBE: 26 09/24/96 22:54

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	U******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	1.5300	24.2	0.002	0.001	0.003		

TUBE: 27 09/24/96 22:58

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	U****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.0900	0.7	0.060	0.060	0.060

%RECOVERY = 92.8

TUBE: 28 09/24/96 23:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	D******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	0.9600	25.6	0.000	0.001	-0.000		

TUBE: 29 09/24/96 23:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	D****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.5000	2.2	0.058	0.057	0.059

%RECOVERY = 97.5

TUBE: 30 09/24/96 23:11

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	R******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	40.9100	0.5	0.125	0.126	0.125		

TUBE: 31 09/24/96 23:15

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R*****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
59.0900	0.4	0.162	0.161	0.163

%RECOVERY = NOT APPLICABLE

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 6 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 32 09/24/96 23:19

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583210	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	4.8900	42.1	0.013	0.017	0.008	___	___

TUBE: 33 09/24/96 23:24

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583210	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.2900	2.6	0.067	0.068	0.066

%RECOVERY = 87.0

TUBE: 34 09/24/96 23:28

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
41.7700	0.3	0.128	0.128	0.128

%RECOVERY = 104.4

TUBE: 35 09/24/96 23:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.6800	33.4	0.003	0.004	0.001

TUBE: 36 09/24/96 23:36

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583823	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	0.5500	90.1	-0.001	0.000	-0.002	___	___

TUBE: 37 09/24/96 23:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583823	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.3000	0.6	0.061	0.061	0.061

%RECOVERY = 101.5

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 7 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 38 09/24/96 23:44

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583824	*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	1.9000	37.0	0.003	0.005	0.002	___	___

TUBE: 39 09/24/96 23:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583824	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.7600	1.1	0.059	0.059	0.060

%RECOVERY = 89.3

TUBE: 40 09/24/96 23:52

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583825	*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	1.5700	55.7	0.002	0.004	0.000	___	___

TUBE: 41 09/24/96 23:56

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583825	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.8300	2.4	0.062	0.061	0.064

%RECOVERY = 96.3

TUBE: 42 09/24/96 00:00

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583826	*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	0.7300	118.9	0.000	0.002	-0.002	___	___

TUBE: 43 09/25/96 00:04

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583826	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.4500	2.5	0.064	0.063	0.066

%RECOVERY = 107.2

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 8 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 44 09/25/96 00:08

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ2583827	********	100	100	1	962681056001

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	2.0600	12.6	0.004	0.004	0.003		

TUBE: 45 09/25/96 00:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583827	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.8600	4.9	0.069	0.066	0.071

%RECOVERY = 104.0

TUBE: 46 09/25/96 00:17

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.6300	2.4	0.131	0.133	0.128

%RECOVERY = 106.6

TUBE: 47 09/25/96 00:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.9900	10.6	0.004	0.003	0.004

TUBE: 48 09/25/96 00:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	********	100	100	1	962681056002

PBW

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	1.9300	3.0	0.003	0.004	0.003		

TUBE: 49 09/25/96 00:29

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	******A*	100	100	1	962681056002

PBWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.8400	1.6	0.069	0.068	0.070

%RECOVERY = 104.6

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 9 INSTRUMENT ID: 04724
ANALYST: 114 OPAA ELEMENT: AS

TUBE: 50 09/25/96 00:33

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	********	1	1	1	962681056002

LCSW

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	42.8200	0.6	0.131	0.131	0.132	___	___

TUBE: 51 09/25/96 00:37

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	******A*	1	1	1	962681056002

LCSWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
64.5800	0.5	0.199	0.198	0.200

%RECOVERY = 108.6

TUBE: 52 09/25/96 00:41

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	********	100	100	1	962681056002

RS55F

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	1.2200	148.3	0.001	0.005	-0.003	___	___

TUBE: 53 09/25/96 00:46

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	******A*	100	100	1	962681056002

RS55FA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.6600	3.1	0.056	0.057	0.054

%RECOVERY = ~~87.8~~ 93.3 ③cc0951 10/3/96

TUBE: 54 09/25/96 00:50

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	********	100	100	1	962681056002

RS4DF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	0.2200	125.4	-0.002	-0.003	-0.001	___	___

TUBE: 55 09/25/96 00:54

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	******A*	100	100	1	962681056002

RS4DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-18.5400	10.3	0.055	0.051	0.060

%RECOVERY = 92.7

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 10 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AG

TUBE: 56 09/25/96 00:59

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2503224	********	100	100	1	962681056002

4DDPF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	0.4200	391.8	-0.001	-0.005	0.002	---	---

TUBE: 57 09/25/96 01:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2503224	******A*	100	100	1	962681056002

4DDPFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.3000	3.5	0.055	0.053	0.056

%RECOVERY = 91.9

TUBE: 58 09/25/96 01:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.4900	1.2	0.130	0.131	0.129

%RECOVERY = 106.2

TUBE: 59 09/25/96 01:11

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.2800	81.1	0.001	0.004	-0.001

TUBE: 60 09/25/96 01:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2503225	********	100	100	1	962681056002

RA4SF

D	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	1.1500	4.7	0.001	0.001	0.001	---	---

TUBE: 61 09/25/96 01:20

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2503225	******A*	100	100	1	962681056002

RA4SFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.6900	5.8	0.065	0.063	0.068

%RECOVERY = 108.4

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 11 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 62 09/25/96 01:24

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U*******	100	100	1	962681056002

RD3DF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	1.9300	10.3	0.003	0.003	0.004		

TUBE: 63 09/25/96 01:28

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U****A*	100	100	1	962681056002

RD3DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.9700	4.2	0.063	0.065	0.061

%RECOVERY = 95.2

TUBE: 64 09/25/96 01:33

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D*******	100	100	1	962681056002

RD3DFD

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	1.3900	46.7	0.002	0.000	0.003		

TUBE: 65 09/25/96 01:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D****A*	100	100	1	962681056002

RD3DFDA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.8200	2.7	0.066	0.067	0.064

%RECOVERY = 102.2

TUBE: 66 09/25/96 01:41

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	R*******	100	100	1	962681056002

RD3DFS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	42.4900	0.1	0.130	0.130	0.130		

TUBE: 67 09/25/96 01:46

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
62.6600	0.1	0.193	0.193	0.193

%RECOVERY = NOT APPLICABLE

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 17 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AG

TUBE: 68 09/25/96 01:50

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	********	100	100	1	962681056002

RA35F

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	3.4800	18.1	0.008	0.007	0.010		

TUBE: 69 09/25/96 01:54

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	******A*	100	100	1	962681056002

RA35FA	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
	23.9700	3.1	0.072	0.071	0.074

%RECOVERY = 102.4

TUBE: 70 09/25/96 01:59

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 6		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
43.4300	2.1	0.133	0.131	0.135

%RECOVERY = 108.6

TUBE: 71 09/25/96 02:03

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 6		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.5400	1.3	0.002	0.002	0.002

TUBE: 72 09/25/96 02:07

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	********	100	100	1	962681056002

2DDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	0.7400	124.6	0.000	-0.002	0.002		

TUBE: 73 09/25/96 02:11

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	******A*	100	100	1	962681056002

2DDISA	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
	22.5600	2.4	0.068	0.069	0.067

%RECOVERY = 112.8

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 13 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 74 09/25/96 02:15

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	********	100	100	1	962681056002

2SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	0.5400	86.4	-0.001	-0.002	0.000	___	___

TUBE: 75 09/25/96 02:19

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	******A*	100	100	1	962681056002

2SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.7400	4.7	0.062	0.064	0.060

%RECOVERY = 103.7

TUBE: 76 09/25/96 02:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	********	100	100	1	962681056002

1SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	1.3300	12.7	0.002	0.001	0.002	___	___

TUBE: 77 09/25/96 02:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	******A*	100	100	1	962681056002

1SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.4500	1.3	0.064	0.064	0.065

%RECOVERY = 100.6

TUBE: 78 09/25/96 02:31

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	********	100	100	1	962681056002

1SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	0.7500	88.8	0.000	0.001	-0.002	___	___

TUBE: 79 09/25/96 02:35

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	******A*	100	100	1	962681056002

1SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.7900	1.3	0.065	0.065	0.066

%RECOVERY = 109.0

RUN NAME: 9626901F04 LANCASTER LABORATORIES
PAGE: 14 INSTRUMENT ID: 04724
ANALYST: 114 GFAA ELEMENT: AS

TUBE: 80 09/25/96 02:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583034	********	100	100	1	962681056002

FBIDS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	0.9000	157.5	0.000	0.003	-0.003	__	__

TUBE: 81 09/25/96 02:44

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583034	******A*	100	100	1	962681056002

FBIDSA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.3500	7.2	0.067	0.064	0.071

%RECOVERY = 111.8

TUBE: 82 09/25/96 02:48

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 7		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
43.5600	2.8	0.133	0.131	0.136

%RECOVERY = 100.9

TUBE: 83 09/25/96 02:52

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 7		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.8000	51.0	0.003	0.005	0.001

DATA REVIEWED BY: [signature]

DATA VERIFIED BY: [signature]

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: [signature] 9/25/96

DATA VERIFIED BY: RDGIN 9/25/96

DATA FILE NANE: PB26818 INSTRUMENT NO: 03812
RUN NAME: 9626901F03 BKG CORR: BZ

ANALYST: GB ELEMENT: PB

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Concentration is used to evaluate if sample results are within calibration range.

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 1 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE:	1	09/24/96 20:48			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	0.0	0.010	0.012	0.009

TUBE:	2	09/24/96 20:53			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
3.0000	4.4	0.025	0.025	0.026

TUBE:	3	09/24/96 20:58			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S9		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.0000	5.6	0.085	0.088	0.081

TUBE:	4	09/24/96 21:03			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S15		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
15.0000	1.8	0.149	0.147	0.151

TUBE:	5	09/24/96 21:08			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S30		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
30.0000	0.7	0.270	0.269	0.271

TUBE:	6	09/24/96 21:13			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S60		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
60.0000	0.5	0.462	0.461	0.464

TUBE:	7	09/24/96 21:17			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.9300	0.2	0.191	0.190	0.191

%RECOVERY = 99.6

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 2 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 8	09/24/96 21:22				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.4200	99.9	0.004	0.007	0.000

TUBE: 9	09/24/96 21:26				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
4.2900	5.2	0.037	0.036	0.038

TUBE: 10	09/24/96 21:31				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	*******	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
23.2800	3.7	0.219	0.213	0.224

TUBE: 11	09/24/96 21:36				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
23.9200	1.7	0.224	0.221	0.226

%RECOVERY = 95.7

TUBE: 12	09/24/96 21:41				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.5900	50.0	0.005	0.007	0.003

TUBE: 13	09/24/96 21:45				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168 ZZZZZZ	*******	50	50	1	962635715001

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	8.0900	0.5	0.075	0.075	0.075	M	

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 3 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 14 09/24/96 21:50

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583160	U****A*	50	50	1	962635715001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.3900	4.4	0.187	0.193	0.181

%RECOVERY = 56.5

TUBE: 15 09/24/96 21:54

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583160	D******	50	50	1	962635715001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	2.4700	5.1	0.021	0.022	0.020	M	—

TUBE: 16 09/24/96 21:58

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583160	D****A*	50	50	1	962635715001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
14.4300	3.1	0.143	0.146	0.140

%RECOVERY = 59.8

TUBE: 17 09/24/96 22:04

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583160	R******	50	50	1	962635715001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	14.3000	0.3	0.142	0.141	0.142	M	—

TUBE: 18 09/24/96 22:09

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583160	R****A*	50	50	1	962635715001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
26.0800	0.7	0.247	0.245	0.248

%RECOVERY = 62.9

TUBE: 19 09/24/96 22:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ583623	********	50	50	2	962635715001

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	26.1100	6.1	0.241	0.230	0.251	—	—

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 4 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 20 09/24/96 22:18

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583623	******A*	50	50	2	962635715001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
44.8200	2.3	0.371	0.365	0.377

%RECOVERY = 93.6

TUBE: 21 09/24/96 22:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583000	********	50	50	1	962635715001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	2.5000	1.0	0.021	0.021	0.021		—

TUBE: 22 09/24/96 22:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583000	******A*	50	50	1	962635715001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
15.1100	0.1	0.150	0.150	0.150

%RECOVERY = 63.0

TUBE: 23 09/24/96 22:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.9900	0.6	0.232	0.231	0.233

%RECOVERY = 100.0

TUBE: 24 09/24/96 22:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.6900	37.7	0.008	0.010	0.006

TUBE: 25 09/24/96 22:41

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	0.6700	5.7	0.006	0.005	0.006	—	—

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 5 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 26 09/24/96 22:46

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.4100	1.4	0.204	0.201	0.206

%RECOVERY = 107.0

TUBE: 27 09/24/96 22:50

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	********	1	1	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	20.8300	1.1	0.199	0.197	0.200	___	___

TUBE: 28 09/24/96 22:55

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	******A*	1	1	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.6500	3.5	0.357	0.366	0.349

%RECOVERY = 109.1

TUBE: 29 09/24/96 23:00

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583205	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	1.0400	44.4	0.009	0.012	0.006	___	___

TUBE: 30 09/24/96 23:04

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583205	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.3800	0.8	0.132	0.131	0.132

%RECOVERY = 61.7

TUBE: 31 09/24/96 23:09

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583206	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	0.9200	12.3	0.008	0.007	0.008	___	___

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 6 INSTRUMENT ID: 03012
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 32 09/24/96 23:14

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583206	*****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
14.5600	1.3	0.144	0.143	0.146

%RECOVERY = 68.2

TUBE: 33 09/24/96 23:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583207	*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	1.4900	8.5	0.013	0.013	0.012	__	__

TUBE: 34 09/24/96 23:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583207	*****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.7500	5.8	0.136	0.141	0.130

%RECOVERY = 61.3

TUBE: 35 09/24/96 23:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
26.0200	1.0	0.240	0.238	0.242

%RECOVERY = 104.1

TUBE: 36 09/24/96 23:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.0500	1.4	0.009	0.009	0.009

TUBE: 37 09/24/96 23:36

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583208	*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	1.1100	6.6	0.009	0.010	0.009	__	__

RUN NAME: 96269w1F03 LANCASTER LABORATORIES
PAGE: 7 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PD

TUBE: 38	09/24/96 23:41				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583208	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
15.2400	0.1	0.151	0.151	0.151

%RECOVERY = 70.6

TUBE: 39	09/24/96 23:46				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	U*******	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.8600	13.5	0.007	0.008	0.007		

TUBE: 40	09/24/96 23:50				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	U****A*	100	100	1	962681056001

ZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
15.2600	0.6	0.151	0.152	0.151

%RECOVERY = 72.0

TUBE: 41	09/24/96 23:55				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	D*******	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.7400	5.2	0.006	0.006	0.006		

TUBE: 42	09/25/96 00:00				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	D****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.9100	1.7	0.183	0.185	0.180

%RECOVERY = 94.6

TUBE: 43	09/25/96 00:04				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	K*******	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
15.6500	1.9	0.155	0.157	0.153		

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 8 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 44 09/25/96 00:09

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
30.9100	2.2	0.277	0.272	0.281

%RECOVERY = NOT APPLICABLE

TUBE: 45 09/25/96 00:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583210	********	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
1.9500	25.0	0.016	0.019	0.014		

TUBE: 46 09/25/96 00:18

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583210	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
15.0900	3.3	0.150	0.153	0.146

%RECOVERY = 65.7

TUBE: 47 09/25/96 00:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
26.1600	0.0	0.241	0.241	0.241

%RECOVERY = 104.6

TUBE: 48 09/25/96 00:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	24.2	0.007	0.008	0.006

TUBE: 49 09/25/96 00:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583823	********	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
1.0000	16.0	0.008	0.007	0.009		

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 9 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 50 09/25/96 00:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583823	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.7400	1.9	0.136	0.134	0.137

%RECOVERY = 63.7

TUBE: 51 09/25/96 00:41

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583824	********	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.9600	1.1	0.008	0.008	0.008	___	___

TUBE: 52 09/25/96 00:46

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583824	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.4300	7.4	0.132	0.125	0.139

%RECOVERY = 62.4

TUBE: 53 09/25/96 00:51

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583825	********	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.8500	10.2	0.007	0.008	0.007	___	___

TUBE: 54 09/25/96 00:56

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583825	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.5800	0.2	0.134	0.134	0.134

%RECOVERY = 63.6

TUBE: 55 09/25/96 01:00

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583826	********	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.8600	14.7	0.007	0.006	0.008	___	___

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 10 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 56	09/25/96 01:05				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583826	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
12.6600	1.7	0.124	0.123	0.125

%RECOVERY = 59.0

TUBE: 57	09/25/96 01:10				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583827	********	100	100	1	962681056001

ZZZZZZ

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.7800	1.9	0.007	0.006	0.007	___	___

TUBE: 58	09/25/96 01:14				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583827	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.8900	2.9	0.215	0.220	0.211

%RECOVERY = 114.4

TUBE: 59	09/25/96 01:19				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
26.0100	0.1	0.240	0.240	0.240

%RECOVERY = 104.0

TUBE: 60	09/25/96 01:24				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.0500	25.8	0.009	0.010	0.007

TUBE: 61	09/25/96 01:28				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	********	100	100	1	962681056002

PBW

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.8500	23.5	0.007	0.008	0.006	___	___

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 11 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 62 09/25/96 01:33

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	******A*	100	100	1	962681056002

PBWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
23.0400	2.3	0.217	0.220	0.213

%RECOVERY = 111.0

TUBE: 63 09/25/96 01:39

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	********	1	1	1	962681056002

LCSW

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	21.8100	1.2	0.207	0.205	0.208		

TUBE: 64 09/25/96 01:43

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	******A*	1	1	1	962681056002

LCSWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
44.8700	1.7	0.372	0.367	0.376

%RECOVERY = 115.3

TUBE: 65 09/25/96 01:47

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	********	100	100	1	962681056002

RS5SF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	0.5300	99.9	0.004	0.009	0.000		

TUBE: 66 09/25/96 01:52

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	******A*	100	100	1	962681056002

RS5SFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.6900	1.2	0.135	0.136	0.134

%RECOVERY = 68.4

TUBE: 67 09/25/96 01:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	********	100	100	1	962681056002

RS4DF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	0.2100	23.5	0.002	0.002	0.001		

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 12 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 68 09/25/96 02:02

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	******A*	100	100	1	962681056002

RS4DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
12.5200	2.7	0.122	0.120	0.125

%RECOVERY = 62.6

TUBE: 69 09/25/96 02:06

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583224	********	100	100	1	962681056002

4DDPF

V

X

A

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.0500	99.9	0.000	0.001	0.000	___	___

TUBE: 70 09/25/96 02:11

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583224	******A*	100	100	1	962681056002

4DDPFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.2100	14.6	0.130	0.116	0.143

%RECOVERY = 66.0

TUBE: 71 09/25/96 02:16

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 6		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
25.1000	1.7	0.233	0.236	0.230

%RECOVERY = 100.4

TUBE: 72 09/25/96 02:20

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 6		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.6300	61.1	0.005	0.008	0.003

TUBE: 73 09/25/96 02:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583225	********	100	100	1	962681056002

RA4SF

V

X

A

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.6800	13.5	0.006	0.005	0.006	___	___

RUN NAME: 962690lF03 LANCASTER LABORATORIES
PAGE: 13 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 74 09/25/96 02:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	******A*	100	100	1	962681056002

RA45FA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.0700	0.0	0.193	0.193	0.193

%RECOVERY = 100.4

TUBE: 75 09/25/96 02:34

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U*******	100	100	1	962681056002

RD3DF

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.2100	68.0	0.002	0.003	0.001	___	___

TUBE: 76 09/25/96 02:39

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U*****A*	100	100	1	962681056002

RD3DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
13.8100	7.0	0.136	0.130	0.143

%RECOVERY = 69.0

TUBE: 77 09/25/96 02:44

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D*******	100	100	1	962681056002

RD3DFD

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.3700	32.5	0.003	0.002	0.004	___	___

TUBE: 78 09/25/96 02:49

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D*****A*	100	100	1	962681056002

RD3DFDA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
14.3400	0.5	0.142	0.142	0.141

%RECOVERY = 71.7

TUBE: 79 09/25/96 02:53

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	R*******	100	100	1	962681056002

RD3DFS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
18.5500	0.1	0.180	0.180	0.180	___	___

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 14 INSTRUMENT ID: 03812
ANALYST: 60 GFAA ELEMENT: PB

TUBE: 80 09/25/96 02:58

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
31.2100	12.7	0.279	0.254	0.304

%RECOVERY = NOT APPLICABLE

TUBE: 81 09/25/96 03:02

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	********	100	100	1	962681056002

RA35F.

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.3100	14.3	0.003	0.002	0.003		

TUBE: 82 09/25/96 03:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	******A*	100	100	1	962681056002

RA35FA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
12.3200	2.7	0.120	0.123	0.118

%RECOVERY = 61.6

TUBE: 83 09/25/96 03:12

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 7		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
25.5300	1.9	0.236	0.233	0.239

%RECOVERY = 102.1

TUBE: 84 09/25/96 03:16

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 7		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.6000	11.4	0.005	0.006	0.005

TUBE: 85 09/25/96 03:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	********	100	100	1	962681056002

200IS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.2800	63.3	0.002	0.003	0.001		

RUN NAME: 9626901F03 — LANCASTER LABORATORIES
PAGE: 16 — INSTRUMENT ID: 03012
ANALYST: 68 — GFAA ELEMENT: PB

TUBE: 86 — 09/25/96 03:26

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	*****A*	100	100	1	962681056002

2DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
14.4100	4.2	0.143	0.147	0.138

%RECOVERY = 72.0

TUBE: 87 — 09/25/96 03:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	********	100	100	1	962681056002

2SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	4.6200	2.2	0.040	0.039	0.041	M	—

TUBE: 88 — 09/25/96 03:35

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*****A*	100	100	1	962681056002

2SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
17.9800	14.4	0.175	0.193	0.157

%RECOVERY = 66.8

TUBE: 89 — 09/25/96 03:39

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	********	100	100	1	962681056002

1DDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	0.4800	29.3	0.004	0.005	0.003	—	—

TUBE: 90 — 09/25/96 03:44

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	*****A*	100	100	1	962681056002

1DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
14.2400	3.6	0.141	0.144	0.137

%RECOVERY = 71.2

TUBE: 91 — 09/25/96 03:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	********	100	100	1	962681056002

1SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	0.2400	28.1	0.002	0.002	0.002	—	—

RUN NAME: 9626901F03 LANCASTER LABORATORIES
PAGE: 16 INSTRUMENT ID: 03812
ANALYST: 68 GFAA ELEMENT: PB

TUBE: 92	09/25/96 03:53				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	******A*	100	100	1	962681056002

ISDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
14.2700	1.6	0.141	0.143	0.140

%RECOVERY = 71.4

TUBE: 93	09/25/96 03:50				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	********	100	100	1	962681056002

FBIDS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.1100	44.7	0.001	0.001	0.001		

TUBE: 94	09/25/96 04:03				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	******A*	100	100	1	962681056002

FBIDSA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.0900	3.6	0.209	0.204	0.214

%RECOVERY = 110.4

TUBE: 95	09/25/96 04:07				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 8		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
25.6900	2.2	0.238	0.234	0.241

%RECOVERY = 102.8

TUBE: 96	09/25/96 04:12				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 8		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.3400	78.8	0.003	0.004	0.001

DATA REVIEWED BY: Slaughenhoupt 9/25

DATA VERIFIED BY: RDG 9/25/96

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: EVT 9/25/96

DATA VERIFIED BY: RDF 11/4 9/25/96

DATA FILE NAME: PB26903
RUN NAME: 9626902F03

INSTRUMENT NO: 03812
BKG CORR: BZ

ANALYST: 859

ELEMENT: PB

RUN NAME: 9626902F03 LANCASTER LABORATORIES
PAGE: 1 INSTRUMENT ID: 03812
ANALYST: 859 GFAA ELEMENT: PB

TUBE: 1 09/25/96 05:47

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	0.0	-0.007	-0.007	0.000

TUBE: 2 09/25/96 05:50

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
3.0000	0.0	0.035	0.035	0.000

TUBE: 3 09/25/96 05:52

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S9		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.0000	0.0	0.091	0.091	0.000

TUBE: 4 09/25/96 05:55

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S15		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
15.0000	0.0	0.156	0.156	0.000

TUBE: 5 09/25/96 05:58

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S30		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
30.0000	0.0	0.290	0.290	0.000

TUBE: 6 09/25/96 06:00

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S60		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
60.0000	0.0	0.483	0.483	0.000

TUBE: 7 09/25/96 06:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.8900	0.0	0.193	0.193	0.000

%RECOVERY = 94.4

201

RUN NAME: 9626902F03 LANCASTER LABORATORIES
PAGE: 2 INSTRUMENT ID: 03812
ANALYST: 859 GFAA ELEMENT: PB

TUBE: 8 09/25/96 06:05

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.4500	0.0	0.005	0.005	0.000

TUBE: 9 09/25/96 06:08

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
3.0500	0.0	0.036	0.036	0.000

TUBE: 10 09/25/96 06:10

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.1400	0.0	0.240	0.240	0.000

%RECOVERY = 96.6

TUBE: 11 09/25/96 06:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.3900	0.0	0.005	0.005	0.000

TUBE: 12 09/25/96 06:15

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	U****0*	50	50	1	962635715001

ZZZZZZ0

CONC(ppb)	BURN 1
1.5400	0.018

TUBE: 13 09/25/96 06:18

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	U****1*	50	50	1	962635715001

ZZZZZZ1

CONC(ppb)	BURN 1
4.4600	0.050

TUBE: 14 09/25/96 06:20

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	U****2*	50	50	1	962635715001

202

ZZZZZZ2

CONC(ppb)	BURN 1
7.9500	0.082

RUN NAME: 9626902F03
PAGE: 3
ANALYST: 859

LANCASTER LABORATORIES
INSTRUMENT ID: 03812
GFAA ELEMENT: PB

TUBE: 15 09/25/96 06:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	U****3*	50	50	1	962635715001

V	CONC(ppb)	BURN 1
-	9.9300	0.100

X INT = 3.74101 RR RR
CORR COEF = 0.99248
SLOPE = 0.00556
Y INT = 0.02080

ZZZZZZ3

TUBE: 16 09/25/96 06:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	D****0*	50	50	1	962635715001

	CONC(ppb)	BURN 1
ZZZZZZ0	1.4600	0.017

TUBE: 17 09/25/96 06:28

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	D****1*	50	50	1	962635715001

	CONC(ppb)	BURN 1
ZZZZZZ1	4.6500	0.052

TUBE: 18 09/25/96 06:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	D****2*	50	50	1	962635715001

	CONC(ppb)	BURN 1
ZZZZZZ2	9.3800	0.095

TUBE: 19 09/25/96 06:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	D****3*	50	50	1	962635715001

V	CONC(ppb)	BURN 1
	10.6100	0.108

X INT = 3.25949 RR RR
CORR COEF = 0.98120
SLOPE = 0.00632
Y INT = 0.02060

ZZZZZZ3

TUBE: 20 09/25/96 06:35

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	R****0*	50	50	1	962635715001

	CONC(ppb)	BURN 1
ZZZZZZ0	13.5400	0.140

203

RUN NAME: 9626902F03
PAGE: 4
ANALYST: 859

LANCASTER LABORATORIES
INSTRUMENT ID: 03812
GFAA ELEMENT: PB

TUBE: 21 09/25/96 06:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	R****1*	50	50	1	962635715001

ZZZZZZ 1

CONC(ppb)	BURN 1
17.3500	0.178

TUBE: 22 09/25/96 06:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	R****2*	50	50	1	962635715001

ZZZZZZ 2

CONC(ppb)	BURN 1
19.9400	0.202

TUBE: 23 09/25/96 06:42

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583168	R****3*	50	50	1	962635715001

V	CONC(ppb)	BURN 1
--	25.3200	0.250

X INT = 19.68927 RR RM
CORR COFF = 0.99233
SLOPE = 0.00708
Y INT = 0.13940

ZZZZZZ 3

TUBE: 24 09/25/96 06:45

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583000	*****0*	50	50	1	962635715001

ZZZZZZ 0

CONC(ppb)	BURN 1
1.5200	0.018

TUBE: 25 09/25/96 06:47

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583000	*****1*	50	50	1	962635715001

ZZZZZZ 1

CONC(ppb)	BURN 1
6.1900	0.067

TUBE: 26 09/25/96 06:49

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583000	*****2*	50	50	1	962635715001

ZZZZZZ 2

CONC(ppb)	BURN 1
10.6900	0.108

204

RUN NAME: 9626902F03
PAGE: 5
ANALYST: 859

LANCASTER LABORATORIES
INSTRUMENT ID: 03812
GFAA ELEMENT: PB

TUBE: 27 09/25/96 06:52

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583000	*****3*	50	50	1	962635715001

V	CONC(ppb)	BURN 1
X	13.7800	0.142

X INT = 2.63923 RR RD
CORR COEF = 0.99672
SLOPE = 0.00826
Y INT = 0.02180

ZZZZZZ3

TUBE: 28 09/25/96 06:54

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*****0*	50	50	1	962635715001 (corrected: 9626 8-1056 002)

25DIS0

CONC(ppb)	BURN 1
0.2900	0.003

TUBE: 29 09/25/96 06:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*****1*	50	50	1	962635715001 (corrected: 9626 8-1056 002)

25DIS1

CONC(ppb)	BURN 1
4.0000	0.046

TUBE: 30 09/25/96 06:59

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*****2*	50	50	1	962635715001 (corrected: 9626 8-1056 002)

25DIS2

CONC(ppb)	BURN 1
8.1800	0.084

TUBE: 31 09/25/96 07:02

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*****3*	50	50	1	962635715001 (corrected: 9626 8-1056 002)

V	CONC(ppb)	BURN 1
X	11.9000	0.122

X INT = 0.56962 RR RD
CORR COEF = 0.99952
SLOPE = 0.00790
Y INT = 0.00450

25DIS3

TUBE: 32 09/25/96 07:04

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.9600	0.0	0.247	0.247	0.000

%RECOVERY = 99.8

RUN NAME: 9626902F03 LANCASTER LABORATORIES
PAGE: 6 INSTRUMENT ID: 03812
ANALYST: 859 GFAA ELEMENT: PB

TUBE: 33 09/25/96 07:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.6700	0.0	0.008	0.008	0.000

DATA REVIEWED BY: EDT 9/25/96

DATA VERIFIED BY: RDC-114 9/25/96

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: EAT 809

DATA VERIFIED BY: RDG-114 9/25/96

DATA FILE NAME: SE26811.RAT
RUN NAME: 9626901F05

INSTRUMENT NO: 04725
BKG CORR: BZ

ANALYST: 68

ELEMENT: SE

Concentration is used to evaluate if sample results are within calibration range.

RUN NAME: 9626901F05
PAGE: 1
ANALYST: 68

LANCASTER LABORATORIES
INSTRUMENT ID: 04725
GFAA ELEMENT: SE

TUBE:	1	09/25/96 01:23			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-1.1600	24.9	-0.001	-0.000	-0.001

TUBE:	2	09/25/96 01:27			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
5.0700	5.4	0.015	0.016	0.015

TUBE:	3	09/25/96 01:31			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S15		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
14.0800	0.1	0.043	0.043	0.043

TUBE:	4	09/25/96 01:35			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S25		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.7400	5.4	0.065	0.062	0.067

TUBE:	5	09/25/96 01:39			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S40		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
38.8100	0.7	0.102	0.102	0.101

TUBE:	6	09/25/96 01:43			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S50		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
49.2000	5.4	0.126	0.121	0.131

TUBE:	7	09/25/96 01:47			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.2200	7.0	0.050	0.053	0.048

%RECOVERY = 96.1

RUN NAME: 9626901F05.
PAGE: 2
ANALYST: 68

LANCASTER LABORATORIES
INSTRUMENT ID: 04725
GFAA ELEMENT: SE

TUBE: 8 09/25/96 01:51

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.8200	45.2	0.000	0.001	-0.000

TUBE: 9 09/25/96 01:55

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
4.1200	8.8	0.013	0.013	0.012

TUBE: 10 09/25/96 01:59

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.2400	0.7	0.063	0.063	0.062

%RECOVERY = 97.0

TUBE: 11 09/25/96 02:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-1.4100	16.4	-0.001	-0.001	-0.002

TUBE: 12 09/25/96 02:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*******	100	100	1	962681056002

PBW

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.4100	12.5	-0.001	-0.001	-0.001		

TUBE: 13 09/25/96 02:11

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*****A*	100	100	1	962681056002

PBWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
10.4000	1.6	0.028	0.029	0.028

%RECOVERY = 104.0

RUN NAME: 9626901F05
PAGE: 3
ANALYST: 68

LANCASTER LABORATORIES
INSTRUMENT ID: 04725
GFAA ELEMENT: SE

TUBE: 14 09/25/96 02:16

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	*******	1	1	1	962681056002

LCSW

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
8.6300	2.3	0.024	0.023	0.024		

TUBE: 15 09/25/96 02:20

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	*****A*	1	1	1	962681056002

LCSWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.1700	1.0	0.053	0.052	0.053

%RECOVERY = 115.4

TUBE: 16 09/25/96 02:24

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	*******	100	100	1	962681056002

RS5SF

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-2.8900	12.2	-0.005	-0.004	-0.005		

TUBE: 17 09/25/96 02:28

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	*****A*	100	100	1	962681056002

RS5SFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
7.6700	3.4	0.021	0.022	0.021

%RECOVERY = 76.7

TUBE: 18 09/25/96 02:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	*******	100	100	1	962681056002

RS4DF

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
15.8200	5.5	0.042	0.043	0.040		

TUBE: 19 09/25/96 02:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	*****A*	100	100	1	962681056002

RS4DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
25.2100	0.7	0.065	0.065	0.065

%RECOVERY = 93.9

RUN NAME: 9626901F05 LANCASTER LABORATORIES
PAGE: 4 INSTRUMENT ID: 04725
ANALYST: 68 GFAA ELEMENT: SE

TUBE: 20 09/25/96 02:41

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583224	*******	100	100	1	962681056002

4DDPF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	-2.5900	1.1	-0.004	-0.004	-0.004		

TUBE: 21 09/25/96 02:45

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583224	*****A*	100	100	1	962681056002

4DDPFA	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
	7.3700	5.5	0.021	0.020	0.021

%RECOVERY = 73.7

TUBE: 22 09/25/96 02:49

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.8200	0.4	0.059	0.059	0.059

%RECOVERY = 91.3

TUBE: 23 09/25/96 02:53

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-1.2000	3.5	-0.001	-0.001	-0.001

TUBE: 24 09/25/96 02:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583225	*******	100	100	1	962681056002

RA45F

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	1.6700	10.4	0.007	0.006	0.007		

TUBE: 25 09/25/96 03:01

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583225	*****A*	100	100	1	962681056002

RA45FA	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
	11.8200	2.9	0.032	0.031	0.032

%RECOVERY = 101.5

RUN NAME: 9626901F05
PAGE: 5
ANALYST: 68

LANCASTER LABORATORIES
INSTRUMENT ID: 04725
GFAA ELEMENT: SE

TUBE: 26 09/25/96 03:05

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U******	100	100	1	962681056002

RD3DF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	-1.3300	12.2	-0.001	-0.001	-0.001		

TUBE: 27 09/25/96 03:09

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U****A*	100	100	1	962681056002

RD3DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.7600	1.5	0.027	0.027	0.026

%RECOVERY = 97.6

TUBE: 28 09/25/96 03:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D******	100	100	1	962681056002

RD3DFD

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	-0.9500	7.0	0.000	-0.000	0.000		

TUBE: 29 09/25/96 03:17

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D****A*	100	100	1	962681056002

RD3DFDA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.8800	3.3	0.027	0.026	0.028

%RECOVERY = 98.8

TUBE: 30 09/25/96 03:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	R******	100	100	1	962681056002

RD3DFS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	8.0700	0.3	0.022	0.022	0.022		

TUBE: 31 09/25/96 03:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.2800	2.0	0.050	0.050	0.051

%RECOVERY = NOT APPLICABLE

RUN NAME: 9626901F05 LANCASTER LABORATORIES
PAGE: 6 INSTRUMENT ID: 04725
ANALYST: 68 GFAA ELEMENT: SE

TUBE: 32 09/25/96 03:29

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	*******	100	100	1	962681056002

RA35F

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	19.9000	1.9	0.052	0.053	0.051		

TUBE: 33 09/25/96 03:33

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	*****A*	100	100	1	962681056002

RA35FA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
28.7000	1.8	0.074	0.073	0.075

%RECOVERY = 88.0

TUBE: 34 09/25/96 03:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.3200	1.4	0.058	0.058	0.057

%RECOVERY = 89.3

TUBE: 35 09/25/96 03:41

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-1.0900	83.9	0.000	0.001	-0.002

TUBE: 36 09/25/96 03:45

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	*******	100	100	1	962681056002

2DDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	-0.8200	28.2	0.000	0.001	-0.000		

TUBE: 37 09/25/96 03:49

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	*****A*	100	100	1	962681056002

2DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.4200	3.1	0.026	0.026	0.025

%RECOVERY = 94.2

RUN NAME: 9626901F05
PAGE: 7
ANALYST: 68

LANCASTER LABORATORIES
INSTRUMENT ID: 04725
GFAA ELEMENT: SE

TUBE: 38 09/25/96 03:53

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*******	100	100	1	962681056002

2SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	17.4600	5.4	0.046	0.047	0.044		

TUBE: 39 09/25/96 03:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*****A*	100	100	1	962681056002

2SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
28.5200	0.4	0.073	0.073	0.073

%RECOVERY = 110.6

TUBE: 40 09/25/96 04:01

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	*******	100	100	1	962681056002

1DDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	-1.0600	14.3	0.000	-0.001	-0.000		

TUBE: 41 09/25/96 04:05

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	*****A*	100	100	1	962681056002

1DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
11.8200	4.0	0.032	0.031	0.033

%RECOVERY = 118.2

TUBE: 42 09/25/96 04:09

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	*******	100	100	1	962681056002

1SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
	109.6400	1.9	0.275	0.279	0.271		

OVER CALIBRATION RANGE

DF 5

TUBE: 43 09/25/96 04:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	*****A*	100	100	1	962681056002

1SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
126.3100	1.0	0.317	0.319	0.314

%RECOVERY = NOT APPLICABLE
OVER CALIBRATION RANGE

214

RUN NAME: 9626901F05 LANCASTER LABORATORIES
PAGE: 8 INSTRUMENT ID: 04725
ANALYST: 68 GFAA ELEMENT: SE

TUBE: 44 09/25/96 04:17

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	*******	100	100	1	962681056002

FBIDS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	-1.0000	4.1	0.000	-0.000	-0.000	SV	--

TUBE: 45 09/25/96 04:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	*****A*	100	100	1	962681056002

FBIDSA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
12.4000	2.5	0.033	0.034	0.033

%RECOVERY = 124.0

TUBE: 46 09/25/96 04:26

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.7700	2.9	0.059	0.058	0.060

%RECOVERY = 91.1

TUBE: 47 09/25/96 04:29

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.5900	208.1	0.001	0.003	-0.001

TUBE: 48 09/25/96 04:33

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*******	100	100	1	962681056002

BEM 9/25/96

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-	-1.1700	33.3	-0.001	0.000	-0.001	SV	--

TUBE: 49 09/25/96 04:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*****A*	100	100	1	962681056002

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
11.4700	5.5	0.031	0.030	0.032

%RECOVERY = 0.0

215

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: EAT 809.

DATA VERIFIED BY: RDG 10/4 9/25/96

DATA FILE NAME: SE26901.RAT
RUN NAME: 9626902F05

INSTRUMENT NO: 04725
BKG CORR: BZ

ANALYST: A09

ELEMENT: SE

Concentration is used to evaluate if sample results are within calibration range.

RUN NAME: 9626902F05 LANCASTER LABORATORIES
PAGE: 1 INSTRUMENT ID: 04725
ANALYST: 809 OFAA ELEMENT: SE

TUBE: 1 09/25/96 09:05

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	190.3	0.008	0.019	-0.003

TUBE: 2 09/25/96 09:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	0.2	0.008	0.008	0.008

TUBE: 3 09/25/96 09:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S15		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.3300	4.0	0.030	0.030	0.029

TUBE: 4 09/25/96 09:17

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S25		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
26.7900	1.1	0.053	0.052	0.053

TUBE: 5 09/25/96 09:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S40		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
40.9700	1.4	0.086	0.087	0.085

TUBE: 6 09/25/96 09:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S50		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
51.4200	0.1	0.110	0.110	0.110

TUBE: 7 09/25/96 09:29

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
10.5400	1.0	0.039	0.039	0.039

%RECOVERY = 92.7

RUN NAME: 9626902F05 LANCASTER LABORATORIES
PAGE: 5 INSTRUMENT ID: 04725
ANALYST: 809 DFAA ELEMENT: SE

TUBE:	8	09/25/96	09:33			
SAMPLE		CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-2.9200	6.3	-0.009	-0.009	-0.009

TUBE:	9	09/25/96	09:37			
SAMPLE		CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
2.3500	3.8	0.003	0.003	0.003

TUBE:	10	09/25/96	09:41			
SAMPLE		CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.3700	1.6	0.052	0.051	0.052

%RECOVERY = 97.5

TUBE:	11	09/25/96	09:45			
SAMPLE		CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-2.9700	7.2	-0.009	-0.009	-0.009

TUBE:	12	09/25/96	09:40				
SAMPLE		CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER	
2583225		********	100	100	1	9626810560002	

RA4SF

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	-0.2500	8.2	-0.003	-0.003	-0.003	___	___

TUBE:	13	09/25/96	09:53				
SAMPLE		CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER	
2583225		******A*	100	100	1	9626810560002	

RA4SFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.6500	4.0	0.019	0.020	0.018

%RECOVERY = 96.5

RUN NAME: 9626902F05 LANCASTER LABORATORIES
PAGE: 3 INSTRUMENT ID: 04725
ANALYST: 009 OPAA ELEMENT: SE

TUBE: 14 09/25/96 09:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U******	100	100	1	962681056002

RD3DF

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-2.0300	1.9	-0.009	-0.009	-0.009		

TUBE: 15 09/25/96 10:01

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U****A*	100	100	1	962681056002

RD3DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
7.6800	2.7	0.015	0.015	0.014

%RECOVERY = 76.8

TUBE: 16 09/25/96 10:06

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D******	100	100	1	962681056002

RD3DFD

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-3.2500	0.1	-0.010	-0.010	-0.010		

TUBE: 17 09/25/96 10:10

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D****A*	100	100	1	962681056002

RD3DFDA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
7.2900	8.5	0.014	0.013	0.015

%RECOVERY = 72.9

TUBE: 18 09/25/96 10:14

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	R******	100	100	1	962681056002

RD3DFS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
6.6800	8.0	0.012	0.012	0.013		

TUBE: 19 09/25/96 10:18

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
17.3600	1.5	0.036	0.036	0.037

%RECOVERY = NOT APPLICABLE

RUN NAME: 9626902F05 — LANCASTER LABORATORIES
PAGE: 4 — INSTRUMENT ID: 04725
ANALYST: 809 — OFAA ELEMENT: SE

TUBE: 20 09/25/96 10:22

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	********	100	100	1	962681056002

RA35F

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
20.1900	3.5	0.042	0.041	0.044		

TUBE: 21 09/25/96 10:26

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	******A*	100	100	1	962681056002

RA35FA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
29.3200	0.8	0.063	0.062	0.063

%RECOVERY = 91.3

TUBE: 22 09/25/96 10:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
23.4800	0.7	0.050	0.050	0.050

%RECOVERY = 93.9

TUBE: 23 09/25/96 10:34

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.5300	457.6	-0.004	-0.007	0.000

TUBE: 24 09/25/96 10:38

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	********	100	100	1	962681056002

200IS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-3.4500	9.2	-0.010	-0.011	-0.010		

TUBE: 25 09/25/96 10:42

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	******A*	100	100	1	962681056002

200ISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
8.6900	1.4	0.017	0.017	0.017

%RECOVERY = 86.9

RUN NAME: 9626902F05 LANCASTER LABORATORIES
PAGE: 5 INSTRUMENT ID: 04725
ANALYST: 009 GFAA ELEMENT: SE

TUBE: 26 09/25/96 10:46

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*******	100	100	1	962681056002

2SDIS V X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
18.3900	6.2	0.038	0.037	0.040	___	___

TUBE: 27 09/25/96 10:50

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*****A*	100	100	1	962681056002

2SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
28.6300	4.2	0.061	0.059	0.063

%RECOVERY = 102.4

TUBE: 28 09/25/96 10:55

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	*******	100	100	1	962681056002

1DDIS V X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-2.7400	0.0	-0.006	-0.008	-0.006	___	___

TUBE: 29 09/25/96 10:59

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	*****A*	100	100	1	962681056002

1DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
10.0800	8.1	0.020	0.021	0.019

%RECOVERY = 100.8

TUBE: 30 09/25/96 11:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	*******	100	100	5	962681056002

1SDIS V —

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
26.0900	1.9	0.056	0.056	0.055	10M—	

TUBE: 31 09/25/96 11:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	*****A*	100	100	5	962681056002

1SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
39.8100	0.5	0.086	0.086	0.086

%RECOVERY = 137.2

RUN NAME: 9626902F05 — LANCASTER LABORATORIES
PAGE: 6 — INSTRUMENT ID: 04725
ANALYST: 809 — DFAA ELEMENT: SE

TUBE: 32 09/25/96 11:11

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	*******	100	100	1	962681056002

FB1DS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	-3.0000	4.7	-0.009	-0.009	-0.009		

TUBE: 33 09/25/96 11:15

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	*****A*	100	100	1	962681056002

FB1DSA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
10.5500	2.2	0.021	0.021	0.021

%RECOVERY = 105.5

TUBE: 34 09/25/96 11:19

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.4100	1.2	0.052	0.051	0.052

%RECOVERY = 97.6

TUBE: 35 09/25/96 11:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-2.8400	21.6	-0.009	-0.008	-0.010

TUBE: 36 09/25/96 11:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*******	100	100	1	962681056001

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	-4.0000	1.7	-0.011	-0.011	-0.011		

TUBE: 37 09/25/96 11:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*****A*	100	100	1	962681056001

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.5400	10.9	0.019	0.017	0.020

%RECOVERY = 95.4

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: JSlaughenhoup8859

DATA VERIFIED BY: RDH4 9/27/96

DATA FILE NAME: SE7101.RAT
RUN NAME: 9627102F05

INSTRUMENT NO: 04725
BKG CORR: BZ

ANALYST: ASG

ELEMENT: SE

Concentration is used to evaluate if sample results are within calibration range.

223

RUN NAME: 9627102F05
PAGE: 1
ANALYST: 859

CANCHTECK LABORATORIES
INSTRUMENT ID: 04725
GFAA ELEMENT: SE

TUBE: 1 09/27/96 01:12

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S0		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	0.0	-0.003	-0.003	0.000

TUBE: 2 09/27/96 01:14

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	0.0	0.013	0.013	0.000

TUBE: 3 09/27/96 01:16

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S15		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
15.0900	0.0	0.030	0.030	0.000

TUBE: 4 09/27/96 01:18

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S25		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
23.8800	0.0	0.060	0.060	0.000

TUBE: 5 09/27/96 01:20

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S40		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
37.3700	0.0	0.091	0.091	0.000

TUBE: 6 09/27/96 01:22

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S50		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
49.2900	0.0	0.114	0.114	0.000

TUBE: 7 09/27/96 01:25

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.0100	0.0	0.045	0.045	0.000

%RECOVERY = 95.0

224

RUN NAME: 9627102F05 LANCASTER LABORATORIES
PAGE: 7 INSTRUMENT ID: 04725
ANALYST: 059 GFAA ELEMENT: SE

TUBE: 8 09/27/96 01:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.7500	0.0	0.000	0.000	0.000

TUBE: 9 09/27/96 01:29

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
4.5400	0.0	0.012	0.012	0.000

TUBE: 10 09/27/96 01:31

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.6200	0.0	0.057	0.057	0.000

%RECOVERY = 98.5

TUBE: 11 09/27/96 01:33

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.6900	0.0	0.000	0.000	0.000

TUBE: 12 09/27/96 01:35

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	********	100	100	10	962681056002

ISDIS0

CONC(ppb)	BURN 1
14.3600	0.034

TUBE: 13 09/27/96 01:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	********	100	100	10	962681056002

ISDIS1

CONC(ppb)	BURN 1
19.5000	0.046

TUBE: 14 09/27/96 01:39

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	********	100	100	10	962681056002

ISDIS2

CONC(ppb)	BURN 1
23.9800	0.056

225

RUN NAME: 9627102F05 LANCASTER LABORATORIES
PAGE: 3 INSTRUMENT ID: 04725
ANALYST: 059 GFAA ELEMENT: SE

TUBE: 15 09/27/96 01:41
SAMPLE CLASS: IVOL/WT FVOL DF BATCH NUMBER
2583633 ******* 100 100 10 962681056002

ISDIS3

CONC(ppb) BURN 1
28.4000 0.066

X INT = 16.30975 RR RD
CORR COEF = 0.99693 ___ ___
SLOPE = 0.00212
Y INT = 0.03460

TUBE: 16 09/27/96 01:43
SAMPLE CLASS: IVOL/WT FVOL DF BATCH NUMBER
2585279 U***** 100 100 5 962691056001

ZZZZZZ1

CONC(ppb) BURN 1
19.9000 0.047

TUBE: 17 09/27/96 01:45
SAMPLE CLASS: IVOL/WT FVOL DF BATCH NUMBER
2585279 U***** 100 100 5 962691056001

ZZZZZZ1

CONC(ppb) BURN 1
24.4200 0.057

TUBE: 18 09/27/96 01:47
SAMPLE CLASS: IVOL/WT FVOL DF BATCH NUMBER
2585279 U***** 100 100 5 962691056001

ZZZZZZ2

CONC(ppb) BURN 1
28.6300 0.066

TUBE: 19 09/27/96 01:49
SAMPLE CLASS: IVOL/WT FVOL DF BATCH NUMBER
2585279 U***** 100 100 5 962691056001

CONC(ppb) BURN 1
32.9600 0.076

X INT = 24.33135 RR RD
CORR COEF = 0.99978 ___ ___
SLOPE = 0.00192
Y INT = 0.04710

ZZZZZZ3

TUBE: 20 09/27/96 01:51
SAMPLE CLASS: IVOL/WT FVOL DF BATCH NUMBER
2585279 D***** 100 100 5 962691056001

ZZZZZZ4

CONC(ppb) BURN 1
20.5300 0.048

RUN NAME: 9627102F05 LANCASTER LABORATORIES
PAGE: 4 INSTRUMENT ID: 04725
ANALYST: 659 GFAA ELEMENT: SE

TUBE: 21 09/27/96 01:53

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585279	D*****	100	100	5	962691056001

ZZZZZ7 1

CONC(ppb)	BURN 1
24.8100	0.058

TUBE: 22 09/27/96 01:55

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585279	D*****	100	100	5	962691056001

ZZZZZZ 2

CONC(ppb)	BURN 1
28.4100	0.066

TUBE: 23 09/27/96 01:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585279	D*****	100	100	5	962691056001

V

CONC(ppb)	BURN 1
32.4700	0.075

			RR	RD
X INT	=	27.10101		
CORR COEF	=	0.99912	---	---
SLOPE	=	0.00178		
Y INT	=	0.04840		

ZZZZZZ 3

TUBE: 24 09/27/96 01:59

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585282	*****	100	100	5	962691056001

ZZZZZZ 1

CONC(ppb)	BURN 1
24.5500	0.057

TUBE: 25 09/27/96 02:00

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585282	*****	100	100	5	962691056001

ZZZZZZ 1

CONC(ppb)	BURN 1
29.2500	0.068

TUBE: 26 09/27/96 02:02

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585282	*****	100	100	5	962691056001

ZZZZZZ 2

CONC(ppb)	BURN 1
32.4400	0.075

RUN NAME: 960271002F05 LANCASTER LABORATORIES
PAGE: 6 INSTRUMENT ID: 04725
ANALYST: 859 GFAA ELEMENT: SE

TUBE: 27 09/27/96 02:04

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585202	X*****X	100	100	5	962691056001

	CONC(ppb)	BURN 1
V	36.5400	0.084

X INT = 32.84091 RR RD
CORR COEF = 0.99640 ___ ___
SLOPE = 0.00176
Y INT = 0.05760

ZZZZZZ 3

TUBE: 28 09/27/96 02:06

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585290	D*****0*	100	100	10	962691056002

ZZZZZZ 0

CONC(ppb)	BURN 1
9.8200	0.024

TUBE: 29 09/27/96 02:08

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585290	D*****1*	100	100	10	962691056002

ZZZZZZ 1

CONC(ppb)	BURN 1
14.6900	0.035

TUBE: 30 09/27/96 02:11

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585290	D*****2*	100	100	10	962691056002

ZZZZZZ 2

CONC(ppb)	BURN 1
18.5900	0.044

TUBE: 31 09/27/96 02:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585290	D*****3*	100	100	10	962691056002

	CONC(ppb)	BURN 1
V	23.1200	0.054

X INT = 10.32333 RR RD
CORR COEF = 0.99929 ___ ___
SLOPE = 0.00198
Y INT = 0.02440

ZZZZZZ 3

TUBE: 32 09/27/96 02:15

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.5500	0.0	0.057	0.057	0.000

*RECOVERY = 98.2

RUN NAME: 9627102F05 LANCASTER LABORATORIES
PAGE: 6 INSTRUMENT ID: 04725
ANALYST: 859 GFAA ELEMENT: SE

TUBE: 33 09/27/96 02:17

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.5100	0.0	0.001	0.001	0.000

TUBE: 34 09/27/96 02:19

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585292	******##	100	100	10	962691056002

CONC(ppb)	BURN 1
13.1800	0.032

TUBE: 35 09/27/96 02:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585292	******#*	100	100	10	962691056002

CONC(ppb)	BURN 1
17.4300	0.041

TUBE: 36 09/27/96 02:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585292	******#*	100	100	10	962691056002

CONC(ppb)	BURN 1
21.9400	0.051

TUBE: 37 09/27/96 02:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2585292	******3*	100	100	10	962691056002

CONC(ppb)	BURN 1
26.2600	0.061

X INT = 16.34071 RR RD
CORR COEF = 0.99968 ___ ___
SLOPE = 0.00194
Y INT = 0.03170

TUBE: 38 09/27/96 02:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
24.0100	0.0	0.056	0.056	0.000

%RECOVERY = 96.0

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: EDT809

DATA VERIFIED BY: RDG 114 9/25/96

DATA FILE NAME: TL26902 INSTRUMENT NO: 02603
RUN NAME: 9626902F01 BKG CORR: BD

ANALYST: A59 ELEMENT: TL

230

Concentration is used to evaluate if sample results are within calibration range.

RUN NAME: 962690ZF01 LANCASTER LABORATORIES
PAGE: 1 INSTRUMENT ID: 02803
ANALYST: 859 GFAA ELEMENT: TL

TUBE:	1	09/25/96 05:23			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	0.0	0.014	0.019	0.009

TUBE:	2	09/25/96 05:27			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S10		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
10.0000	7.3	0.049	0.047	0.052

TUBE:	3	09/25/96 05:30			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S20		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.0000	9.6	0.118	0.110	0.126

TUBE:	4	09/25/96 05:34			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S40		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
40.0000	3.1	0.222	0.217	0.227

TUBE:	5	09/25/96 05:38			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S60		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
60.0000	0.1	0.338	0.338	0.338

TUBE:	6	09/25/96 05:41			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S80		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
80.0000	7.1	0.399	0.420	0.379

TUBE:	7	09/25/96 05:45			
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
49.3400	1.2	0.276	0.278	0.274

%RECOVERY = 98.7

RUN NAME: 962690ZF01 LANCASTER LABORATORIES
PAGE: 2 INSTRUMENT ID: 02003
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 8 09/25/96 05:48

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.9000	95.8	-0.004	-0.001	-0.007

TUBE: 9 09/25/96 05:51

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
12.3800	8.0	0.063	0.067	0.060

TUBE: 10 09/25/96 05:55

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	*******	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
31.5900	4.2	0.180	0.185	0.174

TUBE: 11 09/25/96 05:58

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
41.0000	3.9	0.228	0.234	0.222

%RECOVERY = 102.5

TUBE: 12 09/25/96 06:02

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.2000	99.9	0.001	0.002	0.000

TUBE: 13 09/25/96 06:05

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*******	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-0.8900	49.6	-0.004	-0.003	-0.006		

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 3 INSTRUMENT ID: 02003
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 14 09/25/96 06:09

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.0600	12.3	0.129	0.140	0.118

%RECOVERY = 110.3

TUBE: 15 09/25/96 06:12

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	********	1	1	1	962681056001

ZZZZZZ

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
47.2800	0.4	0.264	0.265	0.263	___	___

TUBE: 16 09/25/96 06:15

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	******A*	1	1	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
68.5100	0.9	0.368	0.366	0.371

%RECOVERY = 106.2

TUBE: 17 09/25/96 06:19

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583205	********	100	100	1	962681056001

ZZZZZZ

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-2.0800	38.0	-0.010	-0.007	-0.013	___	___

TUBE: 18 09/25/96 06:22

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583205	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.2500	1.8	0.112	0.110	0.113

%RECOVERY = 96.2

TUBE: 19 09/25/96 06:26

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583206	********	100	100	1	962681056001

ZZZZZZ

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-0.9700	10.9	-0.005	-0.005	-0.004	___	___

RUN NAME: 962690ZF01 LANCASTER LABORATORIES
PAGE: 4 INSTRUMENT ID: 02803
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 20 09/25/96 06:29

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583206	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.3700	2.4	0.113	0.115	0.111

%RECOVERY = 96.8

TUBE: 21 09/25/96 06:33

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583207	********	100	100	1	962681056001

ZZZZZZ

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.2700	10.4	-0.006	-0.006	-0.007	___	___

TUBE: 22 09/25/96 06:36

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583207	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.5900	6.9	0.114	0.109	0.120

%RECOVERY = 98.0

TUBE: 23 09/25/96 06:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
44.0000	7.6	0.245	0.232	0.258

%RECOVERY = 110.0

TUBE: 24 09/25/96 06:43

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.1700	99.9	0.001	0.004	-0.002

TUBE: 25 09/25/96 06:46

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583208	********	100	100	1	962681056001

ZZZZZZ

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.2800	58.5	-0.006	-0.004	-0.009	___	___

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 5 INSTRUMENT ID: 02803
ANALYST: 859 OFAA ELEMENT: TL

TUBE: 26 09/25/96 06:50

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583208	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.6000	7.8	0.106	0.112	0.101

%RECOVERY = 93.0

TUBE: 27 09/25/96 06:53

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	U*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
_	-1.5400	99.9	-0.008	0.004	-0.019	R	__

TUBE: 28 09/25/96 06:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	U****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.0100	23.2	0.118	0.098	0.137

%RECOVERY = 100.0

TUBE: 29 09/25/96 07:00

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	D*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	0.7500	23.0	0.004	0.004	0.003	__	__

TUBE: 30 09/25/96 07:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	D****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.7000	10.1	0.107	0.115	0.100

%RECOVERY = 93.5

TUBE: 31 09/25/96 07:06

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	R*******	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	44.0300	0.7	0.245	0.246	0.244	__	__

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 6 INSTRUMENT ID: 02003
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 32 09/25/96 07:10

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R*****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
57.5900	1.6	0.324	0.328	0.320

%RECOVERY = NOT APPLICABLE

TUBE: 33 09/25/96 07:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583210	*******	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-3.9000	7.3	-0.019	-0.018	-0.020		

TUBE: 34 09/25/96 07:17

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583210	*****A*	100	100	1	962681056001

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
17.3900	11.1	0.097	0.090	0.105

ZZZZZZ

%RECOVERY = 87.0

TUBE: 35 09/25/96 07:20

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.3000	4.3	0.235	0.242	0.228

%RECOVERY = 105.8

TUBE: 36 09/25/96 07:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
1.0800	99.9	0.005	0.002	0.009

TUBE: 37 09/25/96 07:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583823	*******	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-2.8900	52.0	-0.014	-0.019	-0.009		

RUN NAME: 962690ZF01 LANCASTER LABORATORIES
PAGE: 7 INSTRUMENT ID: 02805
ANALYST: 859 OFAA ELEMENT: TL

TUBE: 38 09/25/96 07:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583823	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.2200	0.9	0.119	0.120	0.118

%RECOVERY = 101.1

TUBE: 39 09/25/96 07:33

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583824	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	-2.3700	13.9	-0.012	-0.010	-0.013		

TUBE: 40 09/25/96 07:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583824	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.9600	13.9	0.123	0.111	0.135

%RECOVERY = 104.8

TUBE: 41 09/25/96 07:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583825	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	-2.5400	99.9	-0.012	-0.003	-0.022		

TUBE: 42 09/25/96 07:44

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583825	******A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.0500	1.0	0.124	0.123	0.124

%RECOVERY = 105.2

TUBE: 43 09/25/96 07:47

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583826	********	100	100	1	962681056001

ZZZZZZ

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
X	-0.3000	99.9	-0.001	-0.007	0.004		

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 8 INSTRUMENT ID: 02003
ANALYST: 059 GFAA ELEMENT: TL

TUBE: 44 09/25/96 07:51

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583826	*****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.6700	9.4	0.115	0.123	0.107

%RECOVERY = 98.4

TUBE: 45 09/25/96 07:54

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583827	*******	100	100	1	962681056001

ZZZZZZ

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.9900	80.3	0.005	0.002	0.008		

TUBE: 46 09/25/96 07:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583827	*****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.7900	1.2	0.122	0.123	0.121

%RECOVERY = 104.0

TUBE: 47 09/25/96 08:01

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
43.5500	2.0	0.242	0.239	0.246

%RECOVERY = 108.9

TUBE: 48 09/25/96 08:04

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 4		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.2900	67.1	-0.001	-0.002	-0.001

TUBE: 49 09/25/96 08:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*******	100	100	1	962681056002

PBW

V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.7200	30.7	-0.008	-0.010	-0.007		

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 9 INSTRUMENT ID: 02803
ANALYST: 859 GFAA. ELEMENT: TL

TUBE: 50 09/25/96 08:11

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	******A*	100	100	1	962681056002

PBWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.1200	4.8	0.129	0.134	0.125

%RECOVERY = 110.6

TUBE: 51 09/25/96 08:14

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	********	1	1	1	962681056002

LCSW

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
47.8500	0.8	0.267	0.269	0.266		

TUBE: 52 09/25/96 08:18

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	******A*	1	1	1	962681056002

LCSWA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
67.5700	3.2	0.365	0.357	0.374

%RECOVERY = 98.6

TUBE: 53 09/25/96 08:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	********	100	100	1	962681056002

R55SF

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.6200	36.3	-0.008	-0.006	-0.010		

TUBE: 54 09/25/96 08:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	******A*	100	100	1	962681056002

R55SFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.0800	2.2	0.118	0.120	0.116

%RECOVERY = 100.4

TUBE: 55 09/25/96 08:28

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	********	100	100	1	962681056002

R54OF

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.1800	23.6	-0.006	-0.005	-0.007		

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 10 INSTRUMENT ID: 02803
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 56 09/25/96 08:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	*****A*	100	100	1	962681056002

RS4DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
17.9400	3.4	0.101	0.104	0.099

%RECOVERY = 89.7

TUBE: 57 09/25/96 08:35

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583224	********	100	100	1	962681056002

4DDPF

V X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.3000	99.9	-0.006	0.000	-0.013	___	___

TUBE: 58 09/25/96 08:39

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583224	*****A*	100	100	1	962681056002

4DDPFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.2000	2.3	0.111	0.109	0.113

%RECOVERY = 96.0

TUBE: 59 09/25/96 08:42

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.3000	7.1	0.235	0.223	0.247

%RECOVERY = 105.8

TUBE: 60 09/25/96 08:45

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 5		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.6900	89.8	0.003	0.006	0.001

TUBE: 61 09/25/96 08:49

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583225	********	100	100	1	962681056002

RA4SF

V X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.3600	18.0	-0.007	-0.006	-0.008	___	___

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 11 INSTRUMENT ID: 02003
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 62 09/25/96 08:52

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583225	******A*	100	100	1	962681056002

RA45FA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
21.0500	11.6	0.123	0.113	0.134

%RECOVERY = 105.2

TUBE: 63 09/25/96 08:56

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U*******	100	100	1	962681056002

RD3DF V X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.7600	18.7	-0.009	-0.008	-0.010	___	___

TUBE: 64 09/25/96 08:59

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U*****A*	100	100	1	962681056002

RD3DFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.7600	10.4	0.116	0.107	0.124

%RECOVERY = 98.8

TUBE: 65 09/25/96 09:03

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D*******	100	100	1	962681056002

RD3DFD V X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.5100	96.0	-0.007	-0.002	-0.012	___	___

TUBE: 66 09/25/96 09:06

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D*****A*	100	100	1	962681056002

RD3DFDA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.7500	7.4	0.116	0.122	0.110

%RECOVERY = 98.8

TUBE: 67 09/25/96 09:10

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	R*******	100	100	1	962681056002

RD3DFS V X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
45.7100	3.6	0.255	0.248	0.261	___	___

RUN NAME: 962690ZF01 LANCASTER LABORATORIES
PAGE: 12 INSTRUMENT ID: 02803
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 68 09/25/96 09:13

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	R****A*	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
59.2300	0.3	0.334	0.334	0.333

%RECOVERY = NOT APPLICABLE

TUBE: 69 09/25/96 09:17

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	*******	100	100	1	962681056002

RA3SF
V
X

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-1.2700	99.9	-0.006	-0.011	-0.001	__	__

TUBE: 70 09/25/96 09:20

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	*****A*	100	100	1	962681056002

RA3SFA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
17.9800	0.6	0.102	0.102	0.101

%RECOVERY = 89.9

TUBE: 71 09/25/96 09:24

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 6		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.8000	0.5	0.238	0.239	0.237

%RECOVERY = 107.0

TUBE: 72 09/25/96 09:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 6		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.2000	99.9	0.001	0.002	0.000

TUBE: 73 09/25/96 09:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	*******	100	100	1	962681056002

2DDIS
V
_

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-0.4500	99.9	-0.002	-0.008	0.004	SF	__

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 13 INSTRUMENT ID: 02803
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 74	09/25/96 09:34				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	******A*	100	100	1	962681056002

2DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.6400	2.8	0.115	0.113	0.117

%RECOVERY = 98.2

TUBE: 75	09/25/96 09:37				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	********	100	100	1	962681056002

2SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	-0.3700	99.9	-0.002	0.001	-0.004	SF	

TUBE: 76	09/25/96 09:41				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	******A*	100	100	1	962681056002

2SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.9300	9.8	0.109	0.102	0.117

%RECOVERY = 94.6

TUBE: 77	09/25/96 09:44				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	********	100	100	1	962681056002

1DDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	-1.2300	87.6	-0.006	-0.002	-0.010	SF	

TUBE: 78	09/25/96 09:48				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	******A*	100	100	1	962681056002

1DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
22.6000	8.4	0.132	0.140	0.124

%RECOVERY = 113.0

TUBE: 79	09/25/96 09:51				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	********	100	100	1	962681056002

1SDIS

V	AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
—	0.2400	99.9	0.001	0.000	0.002	SF	

RUN NAME: 9626902F01 LANCASTER LABORATORIES
PAGE: 14 INSTRUMENT ID: 02803
ANALYST: 859 GFAA ELEMENT: TL

TUBE: 80 09/25/96 09:55

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	******A*	100	100	1	962681056002

ISDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.9000	12.2	0.117	0.107	0.127

%RECOVERY = 99.5

TUBE: 81 09/25/96 09:58

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	********	100	100	1	962681056002

FBIDS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR / KD
2.2100	11.6	0.011	0.010	0.012	

TUBE: 82 09/25/96 10:02

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	******A*	100	100	1	962681056002

FBIDSA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.1200	14.8	0.118	0.106	0.131

%RECOVERY = 89.6

TUBE: 83 09/25/96 10:05

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 7		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
44.2900	3.7	0.247	0.253	0.240

%RECOVERY = 110.7

TUBE: 84 09/25/96 10:08

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 7		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.4600	72.8	0.002	0.001	0.003

DATA REVIEWED BY: EDT 809

DATA VERIFIED BY: RDG 1144 9/25/96

244

LANCASTER LABORATORIES

GRAPHITE FURNACE ATOMIC ABSORPTION

DATA REVIEWED BY: JM 5068

DATA VERIFIED BY: RDG 4/4 4/25/96

DATA FILE NAME: TL26909 INSTRUMENT NO: 92003
RUN NAME: 9626903F01 BKG CORR: BC

ANALYST: 609 ELEMENT: TL

245

Concentration is used to evaluate if sample results are within calibration range.

RUN NAME: 9626903F01 LANCASTER LABORATORIES
PAGE: 1 INSTRUMENT ID: 02003
ANALYST: 809 GFAA ELEMENT: TL

TUBE:	1	09/25/96 12:25				
SAMPLE		CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S0			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.0000	0.0	-0.017	-0.019	-0.014

TUBE:	2	09/25/96 12:28				
SAMPLE		CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S10			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
10.0000	2.5	0.067	0.068	0.065

TUBE:	3	09/25/96 12:32				
SAMPLE		CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S20			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.0000	5.2	0.121	0.125	0.116

TUBE:	4	09/25/96 12:36				
SAMPLE		CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S40			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
40.0000	5.4	0.227	0.236	0.219

TUBE:	5	09/25/96 12:39				
SAMPLE		CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S60			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
60.0000	1.6	0.313	0.317	0.310

TUBE:	6	09/25/96 12:43				
SAMPLE		CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
S80			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
80.0000	3.0	0.395	0.387	0.404

TUBE:	7	09/25/96 12:46				
SAMPLE		CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV			0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
46.7100	0.5	0.259	0.258	0.260

%RECOVERY = 93.4

RUN NAME: 9626903F01 LANCASTER LABORATORIES
PAGE: 2 INSTRUMENT ID: 02800
ANALYST: 809 CFAA ELEMENT: TL

TUBE: 8	09/25/96 12:50				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.3500	23.8	-0.002	-0.002	0.003

TUBE: 9	09/25/96 12:53				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CKA		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
9.6400	19.8	0.064	0.055	0.073

TUBE: 10	09/25/96 12:56				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ZZZZZZ	*******	0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
30.8800	3.0	0.180	0.184	0.177

TUBE: 11	09/25/96 13:00				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
42.1500	2.9	0.238	0.233	0.242

%RECOVERY = 105.4

TUBE: 12	09/25/96 13:03				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.6100	60.8	0.004	0.006	0.002

TUBE: 13	09/25/96 13:06				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	*******	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
1.0900	31.1	0.007	0.009	0.006		

RUN NAME: 9626903F01 LANCASTER LABORATORIES
PAGE: 3 INSTRUMENT ID: 02003
ANALYST: 809 OFAA ELEMENT: TL

TUBE: 14 09/25/96 13:10

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	U*****A*	100	100	1	962681056001

ZZZZZZ

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.0100	0.5	0.121	0.120	0.121

%RECOVERY = 94.6

TUBE: 15 09/25/96 13:13

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	********	100	100	1	962681056002

2DDIS V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
2.1300	16.4	0.014	0.016	0.013	___	___

TUBE: 16 09/25/96 13:17

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	******A*	100	100	1	962681056002

2DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.5900	1.0	0.124	0.125	0.123

%RECOVERY = 92.3

TUBE: 17 09/25/96 13:20

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	********	100	100	1	962681056002

2SDIS V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
-0.3700	99.9	-0.002	0.003	-0.008	___	___

TUBE: 18 09/25/96 13:24

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	******A*	100	100	1	962681056002

2SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.1100	0.2	0.121	0.122	0.121

%RECOVERY = 100.6

TUBE: 19 09/25/96 13:27

SAMPLE	CLASS:	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	********	100	100	1	962681056002

1DDIS V

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.7400	55.0	0.005	0.003	0.007	___	___

RUN NAME: 9626903F01
PAGE: 4
ANALYST: 009

LANCASTER LABORATORIES
INSTRUMENT ID: 02003
GFAA ELEMENT: TL

TUBE: 20 09/25/96 13:31

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	******A*	100	100	1	962681056002

1DDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
18.7300	4.0	0.114	0.110	0.111

%RECOVERY = 93.6

TUBE: 21 09/25/96 13:34

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	********	100	100	1	962681056002

1SDIS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.6100	99.9	0.004	0.008	0.001		

TUBE: 22 09/25/96 13:38

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	******A*	100	100	1	962681056002

1SDISA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
19.7100	5.1	0.119	0.115	0.124

%RECOVERY = 98.6

TUBE: 23 09/25/96 13:41

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
40.6100	1.2	0.230	0.232	0.228

%RECOVERY = 101.5

TUBE: 24 09/25/96 13:44

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
-0.3800	69.4	-0.003	-0.001	-0.004

TUBE: 25 09/25/96 13:48

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	********	100	100	1	962681056002

FB1DS

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2	RR	RD
0.2700	99.9	0.002	0.008	-0.004		

RUN NAME: 9626903F01 LANCASTER LABORATORIES
PAGE: 5 INSTRUMENT ID: 02803
ANALYST: 809 GFAA ELEMENT: TL

TUBE: 26	09/25/96 13:51				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	******A*	100	100	1	96268105&002

FBIDSA

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
20.6300	6.8	0.124	0.130	0.118

%RECOVERY = 103.2

TUBE: 27	09/25/96 13:55				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
40.5500	2.9	0.230	0.235	0.225

%RECOVERY = 101.4

TUBE: 28	09/25/96 13:58				
SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 3		0	0	1	

AVG(ppb)	%RPD	AVG abs	BURN 1	BURN 2
0.5900	99.9	0.004	0.000	0.008

DATA REVIEWED BY: JMS068

DATA VERIFIED BY: RDG114 9/25/96

Mercury Data

LANCASTER LABORATORIES

MERCURY ANALYZER

DATA REVIEWED BY: NSM823 9/25/96

DATA VERIFIED BY: 383

DATA FILE NAME: 962690S.PRN INSTRUMENT NO: 05220
RUN NAME: 9626903M03

ANALYST: 823 ELEMENT: HG

252

RUN NAME: 9626903M03
PAGE: 1
ANALYST: 023

LANCASTER LABORATORIES
INSTRUMENT ID: 03270
CV ELEMENT: HG

TUBE: 1 09/25/96 17:14

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0	********	0	0	1	

AVG(ppb)	Intensity
0.0000	773.0

TUBE: 2 09/25/96 17:16

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0.2	********	0	0	1	

AVG(ppb)	Intensity
0.2000	20180.0

TUBE: 3 09/25/96 17:18

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S0.5	********	0	0	1	

AVG(ppb)	Intensity
0.5000	54192.0

TUBE: 4 09/25/96 17:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S1.0	********	0	0	1	

AVG(ppb)	Intensity
1.0000	103361.0

TUBE: 5 09/25/96 17:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S2.5	********	0	0	1	

AVG(ppb)	Intensity
2.5000	249425.0

TUBE: 6 09/25/96 17:26

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
S5.0	********	0	0	1	

AVG(ppb)	Intensity	
5.0000	498296.0	Correlation Coefficient = 0.99996

TUBE: 7 09/25/96 17:28

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICV	********	0	0	1	

AVG(ppb)	Intensity	
2.0400	204247.0	%RECOVERY = 102.0

253

RUN NAME: 9626903M03
PAGE: 7
ANALYST: 823

CANCASTER LABORATORIES
INSTRUMENT ID: 05220
CV ELEMENT: HG

TUBE: 8 09/25/96 17:31

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
ICB	*******	0	0	1	

AVG(ppb)	Intensity
-0.0170	539.0

TUBE: 9 09/25/96 17:35

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CRA	*******	0	0	1	

AVG(ppb)	Intensity
0.1900	21052.0

TUBE: 10 09/25/96 17:38

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 1	*******	0	0	1	

AVG(ppb)	Intensity
1.0400	105717.0

%RECOVERY = 104.0

TUBE: 11 09/25/96 17:38

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 1	*******	0	0	1	

AVG(ppb)	Intensity
-0.0200	229.0

TUBE: 12 09/25/96 17:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*******	0	0	1	9626B0B21001

ZZZZZZ

V ✓

AVG(ppb)	Intensity	RR	RD
0.0100	3216.0	---	---

TUBE: 13 09/25/96 17:42

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	*******	1	1	1	9626B0B21001

ZZZZZZ

V ✓

AVG(ppb)	Intensity	RR	RD
0.0020	81022.0	---	---

TUBE: 14 09/25/96 17:45

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583205	*******	0	0	1	9626B0B21001

ZZZZZZ

254

V ✓

AVG(ppb)	Intensity	RR	RD
-0.0020	2008.0	---	---

RUN NAME: 9626903N03 · LANGUAGE: ENGLISH (AMERICAN)
PAGE: 3 INSTRUMENT ID: 6020A
ANALYST: 823 CV ELEMENT: RG

TUBE: 15 09/25/96 17:47

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583206	*******	0	0	1	962680821001

ZZZZZZ

V	AVG(ppb)	Intensity	RR	RD
✓	0.0060	2767.0	---	---

TUBE: 16 09/25/96 17:49

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583207	*******	0	0	1	962680821001

ZZZZZZ

V	AVG(ppb)	Intensity	RR	RD
✓	0.0110	3243.0	---	---

TUBE: 17 09/25/96 17:51

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583208	*******	0	0	1	962680821001

ZZZZZZ

V	AVG(ppb)	Intensity	RR	RD
✓	0.0050	2670.0	---	---

TUBE: 18 09/25/96 17:54

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	*******	0	0	1	962680821001

ZZZZZZ

V	AVG(ppb)	Intensity	RR	RD
	0.0030	2494.0	---	---

TUBE: 19 09/25/96 17:56

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	*******	0	0	1	962680821001

ZZZZZZ

V	AVG(ppb)	Intensity	RR	RD
✓	0.0040	2631.0	---	---

TUBE: 20 09/25/96 17:58

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583209	*******	0	0	1	962680821001

ZZZZZZ

V	AVG(ppb)	Intensity	RR	RD
✓	1.0900	110152.0	---	---

255

DUP050307498

RUN NAME: 9626903M03
PAGE: 4
ANALYST: 823

CHROMATOGRAPHIC LABORATORIES, INC.
INSTRUMENT ID: 02200
CV ELEMENT: MO

TUBE: 21 09/25/96 15:00

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583210 ZZZZZZ	*******	0	0	1	9626B00821001

V	AVG(ppb)	Intensity	RR	RD
✓	0.0170	3888.0	___	___

TUBE: 22 09/25/96 15:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 2	*******	0	0	1	

AVG(ppb)	Intensity
1.0500	106189.0

%RECOVERY = 105.0

TUBE: 23 09/25/96 15:05

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 2	*******	0	0	1	

AVG(ppb)	Intensity
-0.0280	-616.0

TUBE: 24 09/25/96 15:07

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583823 ZZZZZZ	*******	0	0	1	9626B00821001

V	AVG(ppb)	Intensity	RR	RD
✓	0.0090	3088.0	___	___

TUBE: 25 09/25/96 15:09

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583824 ZZZZZZ	*******	0	0	1	9626B00821001

V	AVG(ppb)	Intensity	RR	RD
✓	0.0010	2252.0	___	___

TUBE: 26 09/25/96 15:12

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583825 ZZZZZZ	*******	0	0	1	9626B00821001

V	AVG(ppb)	Intensity	RR	RD
✓	0.0010	2283.0	___	___

TUBE: 27 09/25/96 15:14

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583826 ZZZZZZ	*******	0	0	1	9626B00821001

V	AVG(ppb)	Intensity	RR	RD
✓	-0.0010	2079.0		

256

RUN NAME: 960690BM03
PAGE: 5
ANALYST: 023

CHANNEL TYPE: SEQUENTIAL
INSTRUMENT ID: 05220
CV ELEMENT: HG

TUBE: 28 09/25/96 18:16

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583827	*******	8	8	1	962680821001

ZZZZZZ

V	AVG(ppb)	Intensity	RR	RD
✓	0.0030	2486.0	---	---

TUBE: 29 09/25/96 18:18

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
PBW	*******	8	8	1	962680821002

PBW

V	AVG(ppb)	Intensity	RR	RD
✓	0.0000	2237.0	---	---

TUBE: 30 09/25/96 18:21

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
LCSW	*******	1	1	1	962680821002

LCSW

V	AVG(ppb)	Intensity	RR	RD
✓	1.0700	108785.0	---	---

TUBE: 31 09/25/96 18:23

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583222	*******	8	8	1	962680821002

RS55F

V	AVG(ppb)	Intensity	RR	RD
✓	0.0030	2489.0	---	---

TUBE: 32 09/25/96 18:25

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583223	*******	8	8	1	962680821002

RS4DF

V	AVG(ppb)	Intensity	RR	RD
✓	0.0010	2244.0	---	---

TUBE: 33 09/25/96 18:27

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583224	*******	8	8	1	962680821002

4DDPF

V	AVG(ppb)	Intensity	RR	RD
✓	0.0070	2908.0	---	---

RUN NAME: 9626903M03
PAGE: 6
ANALYST: 823

LANCASTER LABORATORIES
INSTRUMENT ID: [illegible]
CV ELEMENT: Hg

TUBE: 34 09/25/96 10:30

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 3	********	0	0	1	

AVG(ppb)	Intensity
0.9660	98044.0

%RECOVERY = 96.6

TUBE: 35 09/25/96 10:32

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 3	********	.0	0	1	

AVG(ppb)	Intensity
-0.0310	-870.0

TUBE: 36 09/25/96 10:34

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583225	********	0	0	1	9626800821002

RA4SF

V	AVG(ppb)	Intensity	RR	RD
✓	0.0470	6853.0	___	___

TUBE: 37 09/25/96 10:37

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	U*******	0	0	1	9626800821002

RD3DF

V	AVG(ppb)	Intensity	RR	RD
✓	-0.0010	2096.0	___	___

TUBE: 38 09/25/96 10:39

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	D*******	0	0	1	9626800821002

RD3DFD

V	AVG(ppb)	Intensity	RR	RD
✓	0.0030	2487.0	___	___

TUBE: 39 09/25/96 10:41

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583226	R*******	0	0	1	9626800821002

RD3DFS

V	AVG(ppb)	Intensity	RR	RD
✓	1.0600	107281.0	___	___

TUBE: 40 09/25/96 10:44

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583227	********	0	0	1	9626800821002

RA3SF

258

V	AVG(ppb)	Intensity	RR	RD
✓	-0.0010	2128.0	___	___

DUP050307501

RUN NAME: 9626903M03 — LANCASTER LABORATORIES
PAGE: 7 — INSTRUMENT ID: 05220
ANALYST: 823 — CV ELEMENT: NG

TUBE: 41 09/25/96 10:46

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583830	*******	0	0	1	962680821002

2DDIS

V	AVG(ppb)	Intensity	RR	RD
	0.0070	2898.0	---	---

TUBE: 42 09/25/96 10:40

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583831	*******	0	0	1	962680821002

2SDIS

V	AVG(ppb)	Intensity	RR	RD
	0.0070	2851.0	---	---

TUBE: 43 09/25/96 10:50

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583832	*******	0	0	1	962680821002

1DDIS

V	AVG(ppb)	Intensity	RR	RD
	0.0030	2466.0	---	---

TUBE: 44 09/25/96 10:53

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583833	*******	0	0	1	962680821002

1SDIS

V	AVG(ppb)	Intensity	RR	RD
	0.0060	2826.0	---	---

TUBE: 45 09/25/96 10:56

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
2583834	*******	0	0	1	962680821002

FBIDS

V	AVG(ppb)	Intensity	RR	RD
	0.0030	2469.0	---	---

TUBE: 46 09/25/96 10:57

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCV 4	*******	0	0	1	

AVG(ppb)	Intensity
1.0300	104910.0

%RECOVERY = 103.0

TUBE: 47 09/25/96 10:59

SAMPLE	CLASS	IVOL/WT	FVOL	DF	BATCH NUMBER
CCB 4	*******	0	0	1	

AVG(ppb)	Intensity
-0.0290	-682.0

Extraction/Distillation/Digestion Logs

Lancaster Laboratories
3425 New Holland Pike • Lancaster, PA 17601-5994

Water Digestion Logbook
ICP-20

Batch # 9 2 2 6 8 | 5 7 2 0 | 0 0 2

	Sample #	T	Initial Vol (mL)	Final Vol (mL)	EPA #	SDG #	Date	Init
1	2583222	1	100	100	RS5SF	FMD02	9/24/96	cmc/328
2	3223				RS4DF			
3	3224				4DDPF			
4	3225				RA4SF			
5	3226				RD3DF			
6	3227				RA3SF			
7	3830				2DD1S			
8	3831				2SD1S			
9	3832				1DD1S			
10	3833				1SD1S			
11	3834				FB1DS			
12								
13								
14								
15								
16								
17								
18								
19								
20								
Dup	2583226	1	100	100	RD3DF D	FMD02		
Spike	3226				RD3DF S			
Blank	BLANK							

Sample #	Spike Information						
QC	Soln ID	1	2	11	12	13	
	Lot #	234	249	267	149	115	
2583226	Vol. Added (mL)	2.0					
LCS	Soln ID	1	2	3	4	5	
	Lot #	234	249	239	234	232	
	Vol. Added (mL)	2.0					

1151 Rev. 08/22/95

Lancaster Laboratories
3425 New Holland Pike • Lancaster, PA 17601-5994

Digest Type 5720 COC (Y/N) Y

	Before		After		Notes
	Color	Clarity	Color	Clarity	
1	CL	CR	CL	CR	Batch started 12:00
2					C-O-C No LCSD needed per SDG info
3					
4					
5					
6		CY			
7		CR			
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Dup	CL	CR	CL	CR	
Spike					
Blank					

Reagent	1:1 HNO_3	1:1 HCl	Date	Init
Lot #	092	233	9/24/96	cmc/328

1151a Rev. 08/22/95

Lancaster Laboratories
3625 New Holland Pike • Lancaster, PA 17601-5994

Water Digestion Logbook
Graphite Furnace - 20

Batch # 962681056003

Digest Type 1056 COC (Y/N) Y

	Sample #	T	Initial Vol (ml)	Final Vol (ml)	EPA #	SDG #	Date	Init
1	2583222	1	100	100	RS55F	FMD02	9/24/96	cmc/3328
2	3223				RS4DF			
3	3224				4DDFE			
4	3225				RA45F			
5	3226				RD3DF			
6	3227				RA35F			
7	3830				2DD1S			
8	3831				2SD1S			
9	3832				1DD1S			
10	3833				1SD1S			
11	3834				FB1DS			
12								
13								
14								
15								
16								
17								
18								
19								
20								
Dup	2583226	1	100	100	RD3DF^D	FMD02		
Spike	3226				RD3DF^S			
Blank	BLANK							

	Before Color	Before Clarity	After Color	After Clarity	Notes
1					Batch Standard 2100
2					C-O-C
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
Dup					
Spike					
Blank					

Sample #	Spike Information		
QC 2583226	Soln ID	8	0.25 ppm Ag
	Lot #	241	
	Vol. Added (ml)	1.0	
LCS	Lot #	241	
	Vol. Added (ml)	1.0	

			Date	Init
Reagent	1:1 HNO_3	30% H_2O_2	9/24/96	cmc/3328
Lot #	092	5240 KTDN		

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1204a Rev. 03/08/95

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[redacted]

DUP050307505

Lancaster Laboratories
3425 New Holland Pike • Lancaster, PA 17601-5994

Analysis #0821
Water Digestion Logbook

Batch # 9 6 2 6 8 | 0 8 2 1 | 0 0 2

Digest Type Mercury CLP4 COC (Y/N) Y Digest Received

	Sample #	T	Initial Vol (ml)	Final Vol (ml)	DF	EPA #	SDG #	Date	Init
1	258 3222		8	8		P555F	FMDR2	9/24/96	NSM 823
2	3223					RS4DF			
3	3224					4DDPF			
4	3225					PA45F			
5	3226					PD3DF			
6	3227					PA35F			
7	3830					2DDIS			
8	3831					2SDIS			
9	3832					1DDIS			
10	3833					1SDIS			
11	3834					FBIDS			
12									
13									
14									
15									
16									
17									
18									
19									
20									
Dup	258 3226 D		8	8		RD3DLD	FMDR2	9/24/96	NSM 823
Spike	3226R					S			
Blank	BLANK					—	—		

	Before Color	Before Clarity	After Color	After Clarity	Notes
1					START Time 2020
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					leeman lab. Digest COC
12					
13					
14					
15					
16					
17					
18					
19					
20					
Dup					leeman lab. Digest COC ✓
Spike					
Blank					

Sample Number	Spike Information		Date	Init
LCS	Soln ID	1 ppm Hg	9/24/96	NSM 823
	Lot #	268 CONT		
	Vol. Added (ml)	0.1ml →100		
QC 258 3226R	Soln ID	0.1 ppm Hg		
	Lot #	268 CONT		
	Vol. Added (ml)	0.1ml →10		

Notes

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1386 Rev. 03/23/94

1386a Rev. 03/23/94

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DUP050307506

[redacted]

conoco

Environmental Sample Chain of Custody and Log
Research and Engineering

#250 No. 19613

Project Number: JEM

Type or Print Data

Facility Name	Telephone Number	Transporter Name	Telephone Number
DUPONT FORT MADISON	(319) 372- ~~1239~~ 1430	FEDERAL EXPRESS	( ) -

Facility Address	Transporter Address
801 35th STREET FORT MADISON, IA 52627	

Facility Supervisor	Method of Shipping
RAY KROGMEIER	OVERNIGHT AIR

Process Producing Sample	Special Shipping Instructions
GW MONITORING-1996 ANNUAL	PACK IN WET ICE TO LANCASTER LABS
Employee(s) Sampling	Remarks
	*REPORT BY CURRENT CLP STANDARDS.
Other Employee(s) Handling	PLEASE FURNISH INTERNAL CHAINS*
	TOTMET & DISMET=TAL LIST

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	Containers No.	Analysis Req. ▶ Preservative	TCL VOA	TOTMET	DISMET
FMN-BRA-5S	9/17/96	8:20A	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-5S	9/17/96	8:20A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-5S-DIS	9/17/96	8:20A	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-4D	9/17/96	8:55A	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-4D	9/17/96	8:55A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-4D-DIS	9/17/96	8:55A	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-4D-DUP	9/17/96	8:55A	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-4D-DUP	9/17/96	8:55A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-4D-DUP-DIS	9/17/96	8:55A	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-4S	9/17/96	10:05A	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-4S	9/17/96	10:05A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-4S-DIS	9/17/96	10:05A	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-3D	9/17/96	10:50A	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-3D	9/17/96	10:50A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-3D-DIS	9/17/96	10:50A	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-3D-MS	9/17/96	10:50A	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-3D-MS	9/17/96	10:50A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-3D-MS-DIS	9/17/96	10:50A	WATER-G	500 ML	DTP	2	HNO3			X

Signatures

	Bottles Relinquished by	Date/Time	Bottles Received by	Date/Time	Condition of Samples Upon Arrival at Final Destination
	D. Engelking	9-11-96 1300	Ray Krogmeier	9/12/96 10:30A	
	Relinquished by: Ray Krogmeier	Date/Time: 9/17/96 1:15P	Received by	Date/Time	GOOD
	Relinquished by	Date/Time	Received by	Date/Time	Signature: Harlan Collins Date: 9-18-96
	Relinquished by	Date/Time	Received by	Date/Time	Temp. of Samples on Arrival (Temp. sensitive analysis only)
	Relinquished by	Date/Time	Received by	Date/Time	2.7
	Relinquished by	Date/Time	Received by: Harlan Collins	Date/Time: 9-18-96 0930	Signature: Harlan Collins Date: 9-18-96

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DUP050307507

CONOCO

Environmental Sample Chain of Custody and Log
Research and Engineering

Type or Print Data

Facility Name	Telephone Number	Transporter Name
DUPONT FORT MADISON	(319) 372- 1430	FEDERAL EXPRESS
Facility Address		**Transporter Address**
801 35th STREET FORT MADISON, IA 52627		
Facility Supervisor		**Method of Shipping**
RAY KROGMEIER		OVERNIGHT AIR
Process Producing Sample	**Special Shipping Instructions**	
GW MONITORING-1996 ANNUAL	PACK IN WET ICE TO LANCASTER LABS	
Employee(s) Sampling	**Remarks**	
	*REPORT BY CURRENT CLP STANDARDS.	
Other Employee(s) Handling	PLEASE FURNISH INTERNAL CHAINS*	
	TOTMET & DISMET=TAL LIST	

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	No.	Analysis Req. ▶ Preservative	ICL VOA	TOTMET	DISMET
FMN-BRA-3D-MSD	9/17/96	10:50A	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-3D-MSD	9/17/96	10:50A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-3D-MSD-DIS	9/17/96	10:50A	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-TBLK-1	9-11-96	1055	WATER	40 ML	AG/S	3	HCL	X		

Signatures

	Date/Time		Date/Time	
Bottles Relinquished by	9-11-96 1300	Bottles Received by	9/12/96 10:30A	Condition of Samples Upon
Relinquished by	9/17/96 1:15P	Received by	Date/Time	
Relinquished by	Date/Time	Received by	Date/Time	Signature
Relinquished by	Date/Time	Received by	Date/Time	Temp. of Samples on Arriva
Relinquished by	Date/Time	Received by	Date/Time	
Relinquished by	Date/Time	Received by	9/18/96 0920	Signature

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DUP050307508

Environmental Sample Chain of Custody and Log
Research and Engineering

#503

No. 19615

#2583205-11
2583222-21

ADISON	Telephone Number (319) 372- 1430	Transporter Name FEDERAL EXPRESS	Telephone Number ( ) -
ET FORT MADISON, IA 52627		Transporter Address	
		Method of Shipping OVERNIGHT AIR	
e -1996 ANNUAL	Special Shipping Instructions PACK IN WET ICE TO LANCASTER LABS		
	Remarks *REPORT BY CURRENT CLP STANDARDS.		
ng	PLEASE FURNISH INTERNAL CHAINS* **TOTMET & DISMET=TAL LIST**		

Project Number JEM

cription	Date	Time	Sample Type	Total Volume	Containers Type	No.	Analysis Req. ▶ Preservative	TCLVOA	TOTMET	DISMET
	9/17/96	11:35A	WATER-G	40 ML	AG/S	3	HCL	X		
	9/17/96	11:35A	WATER-G	500 ML	DTP	2	HNO3		X	
S	9/17/96	11:35A	WATER-G	500 ML	DTP	2	HNO3			X

	Date/Time 9-11-96 1315	Bottles Received by Jay Krogmeier	Date/Time 9/12/96 10:30A	Condition of Samples Upon Arrival at Final Destination
ee	Date/Time 9/17/96 1:15P	Received by	Date/Time	GOOD
	Date/Time	Received by	Date/Time	Signature Harlan Collins Date 9-18-96
	Date/Time	Received by	Date/Time	Temp. of Samples on Arrival (Temp. sensitive analysis only)
	Date/Time	Received by	Date/Time	2.7
	Date/Time	Received by Harlan Collins	Date/Time 9-18-96 0930	Signature Harlan Collins Date 9-17-96

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Environmental Sample Chain of Custody and Log
Research and Engineering

Lanc 70332 # 5
2583123-28
2583130-34

Facility Name	DUPONT FORT MADISON
Telephone Number	(319) 372-1430 ~~1408~~
Transporter Name	FEDERAL EXPRESS
Facility Address	801 35th STREET FORT MADISON, IA 52627
Transporter Address	
Facility Supervisor	RAY KROGMEIER
Method of Shipping	OVERNIGHT AIR
Process Producing Sample	GW MONITORING-1996 ANNUAL
Special Shipping Instructions	PACK IN WET ICE TO LANCASTER LABS
Employee(s) Sampling	
Remarks	*REPORT BY CURRENT CLP STANDARDS. PLEASE FURNISH INTERNAL CHAINS* **TOTMET & DISMET=TAL LIST**
Other Employee(s) Handling	

Sample I.D. No. and Description	Date	Time	Sample Type	Total Volume	Containers Type	No.	Analysis Req. ▶ Preservative	TCL VOA	TOT MET	DIS MET
FMN-BRA-2D	9/18/96	12:45	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-2D	9/18/96	12:45	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-2D-DIS	9/18/96	12:45	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-2S	9/18/96	11:40	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-2S	9/18/96	11:40A	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-2S-DIS	9/18/96	11:40A	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-1D	9/18/96	3:00P	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-1D	9/18/96	3:00P	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-1D-DIS	9/18/96	3:00P	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-1S	9/18/96	3:30P	WATER-G	40 ML	AG/S	3	HCL	X		
FMN-BRA-1S	9/18/96	3:30P	WATER-G	500 ML	DTP	2	HNO3		X	
FMN-BRA-1S-DIS	9/18/96	3:30P	WATER-G	500 ML	DTP	2	HNO3			X
FMN-BRA-FBLK-1	9/18/96	12:25P	WATER	40 ML	AG/S	3	HCL	X		
FMN-BRA-FBLK-1	9/18/96	12:25P	WATER	500 ML	DTP	2	HNO3		X	
FMN-BRA-FBLK-1-DIS	9/18/96	12:25P	WATER	500 ML	DTP	2	HNO3			X
FMN-BRA-TBLK-2	9-11-96	1055	WATER	40 ML	AG/S	3	HCL	X		

Signatures

Bottles Relinquished by: S. Engelking	Date/Time: 9-11-96 1315	Bottles Received by: Ray Krogmeier	Date/Time: 9/12/96 10:30A	Condition of Samples Upon
Relinquished by: Ray Krogmeier	Date/Time: 9/18/96 5:15P	Received by	Date/Time	
Relinquished by	Date/Time	Received by	Date/Time	Signature: Harlan
Relinquished by	Date/Time	Received by	Date/Time	Temp. of Samples on Arriva
Relinquished by	Date/Time	Received by	Date/Time	
Relinquished by	Date/Time	Received by: Harlan Collins	Date/Time: 9-19-96 0955	Signature: Harlan Co

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Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601-5994

Sample Administration
Receipt Documentation Log

Client/Project: CONOCO

Date of Receipt: 9-18-96

Time of Receipt: 0920

Source Code: FI

COC Seal: Present / Not Present on cooler

Broken / Intact

Package: Chilled / Not Chilled

Unpacker Emp. No.: 87

Temperature of Samples	
#1	**#2**
Thermometer ID: 10103	Thermometer ID:
Corrected Temp.: 2.7	Corrected Temp.:
Bottle / Air	Bottle / Air
Wet Ice / Dry Ice / Ice Packs	Wet Ice / Dry Ice / Ice Packs
Ice Present? Y / N	Ice Present? Y / N
#3	**#4**
Thermometer ID:	Thermometer ID:
Corrected Temp.:	Corrected Temp.:
Bottle / Air	Bottle / Air
Wet Ice / Dry Ice / Ice Packs	Wet Ice / Dry Ice / Ice Packs
Ice Present? Y / N	Ice Present? Y / N

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Chain of Custody			
Name	**Date**	**Time**	**Reason for Transfer**
Vanessa Collins	9-18-96	1019	Unpacking
T DiLorenzo	9-18-96	1100	Place in Storage or Entry
T DiLorenzo	9-18-96	1400	Remove from Storage or Entry
			Place in Storage or Entry
			Entry

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DUP050307511

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601-5994

Sample Administration Receipt Documentation Log

Client/Project: CONOCO **COC Seal:** Present / Not Present on cooler

Date of Receipt: 9-19-96 Broken / Intact

Time of Receipt: 0955 **Package:** Chilled / Not Chilled

Source Code: FI **Unpacker Emp. No.:** 87

Temperature of Samples	
#1	**#2**
Thermometer ID: 10103	Thermometer ID:
Corrected Temp.: 3.1	Corrected Temp.:
Bottle / Air	Bottle / Air
Wet Ice / Dry Ice / Ice Packs	Wet Ice / Dry Ice / Ice Packs
Ice Present? Y / N	Ice Present? Y / N
#3	**#4**
Thermometer ID:	Thermometer ID:
Corrected Temp.:	Corrected Temp.:
Bottle / Air	Bottle / Air
Wet Ice / Dry Ice / Ice Packs	Wet Ice / Dry Ice / Ice Packs
Ice Present? Y / N	Ice Present? Y / N

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Chain of Custody

Name	Date	Time	Reason for Transfer
Harlan Collins	9/19/96	1017	Unpacking
T DiFazio	9-19-96	1100	Place in Storage or Entry
T DiFazio	9-19-96	1200	Remove from Storage & Entry
			Place in Storage or Entry
			Entry

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DUP050307512

Chain-of-Custody Record

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601-5994

Locked Storage Chain of Custody
Original Sample

Client/Project: DuPont Env Remediation Services - Fort Madison

Preservative: HNO3 Matrix: H2O SDG: FMD02

Sample # Range of Entry Group: 2583222-27 Bottle Type: 500ml plastic

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody	Dist., Extr., or Digest Chain Created (X)
2583222-27	D. Lyon	SA Hold Storage	9-18-96	1530	From entry to SA Hold storage	
2583222-27	SA HOLD storage	C. Sebastian 103	9-18-96	2115	preservation check	
2583222-27	C. Sebastian 103	B. Cummings 315	9-18-96	2130	storage	
2583222-27	179	4250	9/24/96	0700	Prep Room	
2583222-27	4250	C. Conein 328	9/24/96	0900	metals prep	
2583222-27	C. Conein 328	L. Pilon 330 C. Cobbin 328 ③ CMC 328 9/24/96	9/24/96	1400	Sample storage	
2583222-27	L. Pilon 330	marm 823	9/24/96	1530	Hg Digestion	
2583222-27	marm 823	C. Sebastian 103	9/24/96	2100	Storage	

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DUP050307514

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601-5994

Locked Storage Chain of Custody
Original Sample

Client/Project: DuPont Env. Remediation Svcs. Fort Madison

Preservative: HNO3 Matrix: _____ SDG: FMD02

Sample # Range of Entry Group: 2583830-34 Bottle Type: 500ml brown plastic

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody	Dist., Extr., or Digest Chain Created (X)
2583830-34	D. Simpson	SA Hold Storage	9-19-96	1300	From entry to SA Hold Storage	
2583830-34	SA Hold Storage	C. Beattie 103	9-20-96	2015	preservation check	
2583830-34	C. Beattie 103	B. Cummings	9-20-96	2025	storage	
2583830-34	179	428	9/24/96	0700	Digestion	
2583830-34	428	C. Cowin 328	9/24/96	09:00	metals prep	
2583830-34	C. Cowin 328	L. Pilon 336	9/24/96	1400	sample storage	
2583830-34	L. Pilon 336	Mary 823	9/24/96	1530	Hg Digestion	
2583830-34	Mary 823	C. Beattie 103	9/24/96	2100	Storage	

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DUP050307515

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601-5994

Locked Storage Chain of Custody
Metals

Client/Project: Du Pont

Sample #: 2583222-27, 2583830-34 SDG: FMD02

Digest Type (circle one): Hg (Metals) GF Hydrides Trial No: _____ (If not 1, fill in)

Batch No: 96268 5720 002

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody
2583222-27 2583830-34	C. Coulin 328	ICP storage	9/24/96	16:30	locked storage
2583222-27 2583830-4	ICP STORAGE	[signature] 811	9.24.96	17:00	ICP ANALYSIS
2583222-27 2583830-4	[signature] 811	ICP STORAGE	9.24.96	17:30	ICP STORAGE
2583222-27 2583830-4	ICP Storage	[signature] 42	9/25/96	2235	ICP analysis
2583222-227 2583830-834	[signature] 42	ICP Storage	9/25/96	22/45	ICP Storage

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Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601-5994

Locked Storage Chain of Custody
Metals

Client/Project: Du Pont

Sample #: 2583222-27, 2583830-34 SDG: FMD02

Digest Type (circle one): Hg Metals (GF) Hydrides Trial No: _____ (If not 1, fill in)

Batch No: 96268 1056 002

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody
2583222-27 2583830-34	C. Conein 328	GF Storage	9/24/96	17:45	locked storage
2583222-27, 2583830-34	AA Storage	J. Schulas GOF	9-24-96	20:00	Analysis Se
2583222-27, 2583830-34	J. Schulas GOF	AA Storage	9-24-96	20:05	Storage AA
2583222-27 2583830-34	AA Storage	R. D. Lin	9-24-96	20:05	Analysis As
2583222-27 2583830-34	R. D. Lin	AA Storage	9-24-96	20:10	Storage AA
2583222-27, 2583830-34	AA Storage	J. Schulas GOF	9-24-96	20:45	Analysis Pb
2583222-27, 2583830-34	J. Schulas GOF	AA Storage	9-24-96	20:50	Storage AA
2583222-27,3830-34	AA Storage	Staylenhardt SSI	9/25/96	0510	Analysis TI
2583222-27,3830-34	Staylenhardt SSI	AA Storage	9/25/96	0515	Storage AA
2583831	AA Storage	Staylenhardt SSI	9/25/96	0530	Analysis Pb
2583831	Staylenhardt SSI	AA Storage	9/25/96	0535	Storage AA
2583225-27 2583830-34	AA Stang	EMT SSI	9/25/96	0910	Analysis Se
2583225-27 2583830-34	EMT SSI	AA Stang	9/25/96	0925	Storage AA
2583830-34	AA Stang	EMT SSI	9/25/96	1110	Analysis TI
2583830-34	EMT SSI	AA Stang	9/25/96	1120	Storage AA

DUP050307517

Lancaster Laboratories
3225 New Holland Pike • Lancaster, PA 17601-5994

Locked Storage Chain of Custody
Metals

Client/Project: Dupont

Sample #: 2583222-27; 2583830-34 SDG: FmD02

Digest Type (circle one): Hg Metals (GF) Hydrides Trial No: 1 (If not 1, fill in)

Batch No: 96268 1056 002

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody
2583833	AA Storage	Staylenhoupt 859	9/27/96	0055	Analysis Se
2583833	Staylenhoupt 859	AA Storage	9/27/96	0110	Storage AA

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Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601-5994

Locked Storage Chain of Custody
Metals

Client/Project: DU PONT Env. Remediation Services Fort madison

Sample #: 2583222-27, 2583830-34 SDG: FMD02

Digest Type (circle one): (Hg) Metals GF Hydrides Trial No: _____ (If not 1, fill in)

Batch No: 96268 0821.002

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody
2583222-27 2583830-34	Marnee 823	Instrum. AP200	9/24/96	2020	Hg Digest.
2583222-27 2583830-34	Instrument AP200	SN3	9/25/96	0730	continue digestion
2583222-27 2583830-34	SN3	Marnee 823	9/25/96	1400	shift changed analysis Digested

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DUP050307519