SDMS Document
98460

THE
WHITMAN
COMPANIES, INC.

Setting the Standard in
Environmental Engineering & Management

FINAL REMEDIAL INVESTIGATION REPORT

FOR

ROCKAWAY BOROUGH WELL FIELD SITE
OPERABLE UNIT #3
FOR PROPERTY OF
KLOCKNER & KLOCKNER
ROCKAWAY BOROUGH, NEW JERSEY

VOLUME 15
LABORATORY QA/QC DATA PACKAGE
2/15/00 – JOB #X456

SUBMITTED TO
USEPA-REGION II
EMERGENCY & REMEDIAL RESPONSE DIVISION
NEW YORK, NEW YORK

SUBMITTED BY
THE WHITMAN COMPANIES, INC.
ON BEHALF OF KLOCKNER & KLOCKNER

IN ACCORDANCE WITH
ADMINISTRATIVE ORDER ON CONSENT
INDEX NO. II-CERCLA-95-0104

306622

MAY 2004

116 Tices Lane, Unit B-1, East Brunswick, NJ 08816
www.whitmanco.com

Envirotech
a division of Severn Trent Laboratories, Inc.

STL Envirotech
777 New Durham Road
Edison, NJ 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.stl-inc.com

March 06, 2000

RECEIVED
MAR - 3 2000
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. X456 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on February 16, 2000:

Lab No.	Client ID	Analysis Required
183831	SSAW-3	Method 8021 - Purgeable Halocarbons
183832	SSAW-12	Method 8021 - Purgeable Halocarbons
183833	SSAW-13	Method 8021 - Purgeable Halocarbons
183834	SSAW-14	Method 8021 - Purgeable Halocarbons
183835	SSAW-15	Method 8021 - Purgeable Halocarbons
183836	SSAW-16	Method 8021 - Purgeable Halocarbons
183837	SSAW-D	Method 8021 - Purgeable Halocarbons
183838	SSAW-17	Method 8021 - Purgeable Halocarbons
183839	SSFS-3A	Pb
183840	SSFS-3B	Method 8021 - Purgeable Halocarbons
183841	SSFS-3C	Pb
183842	FBA0200	Method 8021 - Purgeable Halocarbons, Pb
183843	TBA0200	Method 8021 - Purgeable Halocarbons

If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

306623

Michael J. Urban
Laboratory Manager

STL Envirotech
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Client ID: **SSAW-3**
Site: Klockner & Klockner

Lab Sample No: **183831**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7708.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 20.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	280
Chloromethane	ND	280
Vinyl Chloride	ND	280
Bromomethane	ND	280
Chloroethane	ND	280
Trichlorofluoromethane	ND	280
1,1-Dichloroethene	ND	280
Methylene Chloride	ND	280
trans-1,2-Dichloroethene	ND	280
1,1-Dichloroethane	ND	280
cis-1,2-Dichloroethene	4100	280
Chloroform	ND	280
1,1,1-Trichloroethane	ND	280
Carbon Tetrachloride	ND	280
1,2-Dichloroethane	ND	280
Trichloroethene	5400	280
1,2-Dichloropropane	ND	280
Bromodichloromethane	ND	280
2-Chloroethyl Vinyl Ether	ND	280
cis-1,3-Dichloropropene	ND	280
trans-1,3-Dichloropropene	ND	280
1,1,2-Trichloroethane	ND	280
Tetrachloroethene	ND	280
Dibromochloromethane	ND	280
Chlorobenzene	ND	280
Bromoform	ND	280
1,1,2,2-Tetrachloroethane	ND	280
1,3-Dichlorobenzene	ND	280
1,4-Dichlorobenzene	ND	280
1,2-Dichlorobenzene	ND	280

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Client ID: SSAW-12
Site: Klockner & Klockner

Lab Sample No: 183832
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7685.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	2400	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

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Client ID: SSAW-13
Site: Klockner & Klockner

Lab Sample No: 183833
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7710.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 18.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	260
Chloromethane	ND	260
Vinyl Chloride	ND	260
Bromomethane	ND	260
Chloroethane	ND	260
Trichlorofluoromethane	ND	260
1,1-Dichloroethene	ND	260
Methylene Chloride	ND	260
trans-1,2-Dichloroethene	ND	260
1,1-Dichloroethane	ND	260
cis-1,2-Dichloroethene	470	260
Chloroform	ND	260
1,1,1-Trichloroethane	ND	260
Carbon Tetrachloride	ND	260
1,2-Dichloroethane	ND	260
Trichloroethene	5300	260
1,2-Dichloropropane	ND	260
Bromodichloromethane	ND	260
2-Chloroethyl Vinyl Ether	ND	260
cis-1,3-Dichloropropene	ND	260
trans-1,3-Dichloropropene	ND	260
1,1,2-Trichloroethane	ND	260
Tetrachloroethene	8300	260
Dibromochloromethane	ND	260
Chlorobenzene	ND	260
Bromoform	ND	260
1,1,2,2-Tetrachloroethane	ND	260
1,3-Dichlorobenzene	ND	260
1,4-Dichlorobenzene	ND	260
1,2-Dichlorobenzene	ND	260

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Client ID: SSAW-14
Site: Klockner & Klockner

Lab Sample No: 183834
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7711.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 16.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	280
Chloromethane	ND	280
Vinyl Chloride	ND	280
Bromomethane	ND	280
Chloroethane	ND	280
Trichlorofluoromethane	ND	280
1,1-Dichloroethene	ND	280
Methylene Chloride	ND	280
trans-1,2-Dichloroethene	ND	280
1,1-Dichloroethane	ND	280
cis-1,2-Dichloroethene	ND	280
Chloroform	ND	280
1,1,1-Trichloroethane	ND	280
Carbon Tetrachloride	ND	280
1,2-Dichloroethane	ND	280
Trichloroethene	5500	280
1,2-Dichloropropane	ND	280
Bromodichloromethane	ND	280
2-Chloroethyl Vinyl Ether	ND	280
cis-1,3-Dichloropropene	ND	280
trans-1,3-Dichloropropene	ND	280
1,1,2-Trichloroethane	ND	280
Tetrachloroethene	4000	280
Dibromochloromethane	ND	280
Chlorobenzene	ND	280
Bromoform	ND	280
1,1,2,2-Tetrachloroethane	ND	280
1,3-Dichlorobenzene	ND	280
1,4-Dichlorobenzene	ND	280
1,2-Dichlorobenzene	ND	280

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Client ID: SSAW-15
Site: Klockner & Klockner

Lab Sample No: 183835
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7714.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	360	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

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Client ID: SSAW-16
Site: Klockner & Klockner

Lab Sample No: 183836
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7712.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 22.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	290
Chloromethane	ND	290
Vinyl Chloride	ND	290
Bromomethane	ND	290
Chloroethane	ND	290
Trichlorofluoromethane	ND	290
1,1-Dichloroethene	ND	290
Methylene Chloride	ND	290
trans-1,2-Dichloroethene	ND	290
1,1-Dichloroethane	ND	290
cis-1,2-Dichloroethene	ND	290
Chloroform	ND	290
1,1,1-Trichloroethane	ND	290
Carbon Tetrachloride	ND	290
1,2-Dichloroethane	ND	290
Trichloroethene	7600	290
1,2-Dichloropropane	ND	290
Bromodichloromethane	ND	290
2-Chloroethyl Vinyl Ether	ND	290
cis-1,3-Dichloropropene	ND	290
trans-1,3-Dichloropropene	ND	290
1,1,2-Trichloroethane	ND	290
Tetrachloroethene	ND	290
Dibromochloromethane	ND	290
Chlorobenzene	ND	290
Bromoform	ND	290
1,1,2,2-Tetrachloroethane	ND	290
1,3-Dichlorobenzene	ND	290
1,4-Dichlorobenzene	ND	290
1,2-Dichlorobenzene	ND	290

306630

Envirotech
a division of Severn Trent Laboratories, Inc

Client ID: SSAW-D
Site: Klockner & Klockner

Lab Sample No: 183837
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7713.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 22.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	310
Chloromethane	ND	310
Vinyl Chloride	ND	310
Bromomethane	ND	310
Chloroethane	ND	310
Trichlorofluoromethane	ND	310
1,1-Dichloroethene	ND	310
Methylene Chloride	ND	310
trans-1,2-Dichloroethene	ND	310
1,1-Dichloroethane	ND	310
cis-1,2-Dichloroethene	ND	310
Chloroform	ND	310
1,1,1-Trichloroethane	ND	310
Carbon Tetrachloride	ND	310
1,2-Dichloroethane	ND	310
Trichloroethene	9400	310
1,2-Dichloropropane	ND	310
Bromodichloromethane	ND	310
2-Chloroethyl Vinyl Ether	ND	310
cis-1,3-Dichloropropene	ND	310
trans-1,3-Dichloropropene	ND	310
1,1,2-Trichloroethane	ND	310
Tetrachloroethene	ND	310
Dibromochloromethane	ND	310
Chlorobenzene	ND	310
Bromoform	ND	310
1,1,2,2-Tetrachloroethane	ND	310
1,3-Dichlorobenzene	ND	310
1,4-Dichlorobenzene	ND	310
1,2-Dichlorobenzene	ND	310

306631

STL Envirotech
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Client ID: SSAW-17
Site: Klockner & Klockner

Lab Sample No: 183838
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7720.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	ND	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

306632

Envirotech
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Client ID: **SSFS-3A**
Site: **Klockner & Klockner**

Lab Sample No: 183839
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: SOLID
Level: LOW
% Moisture: 37.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	841	1.7		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

306633

STL Envirotech
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Client ID: SSFS-3B
Site: Klockner & Klockner

Lab Sample No: 183840
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7721.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	710	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

306634

Envirotech
a division of Severn Trent Laboratories, Inc

Client ID: SSFS-3C
Site: Klockner & Klockner

Lab Sample No: 183841
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: SOLID
Level: LOW
% Moisture: 18.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	373	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

306635

Envirotech
a division of Severn Trent Laboratories, Inc.

Client ID: FBA0200
Site: Klockner & Klockner

Lab Sample No: 183842
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7678.d

Matrix: WATER
Level: MED
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dichlorodifluoromethane	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

306636

Envirotech
a division of Severn Trent Laboratories, Inc

Client ID: **FBA0200**
Site: **Klockner & Klockner**

Lab Sample No: 183842
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	2.1		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

306637

Envirotech
a division of Severn Trent Laboratories, Inc

Client ID: **TBA0200**
Site: Klockner & Klockner

Lab Sample No: **183843**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/29/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7722.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

306638

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 T202
LABORATORY: ENVIROTECH RESEARCH

SITE ADDRESS: 10 Stickle Ave, Rockaway, NJ
SAMPLE DATE: Feb 15, 2000
SAMPLER(S): Cheryl L. Coffee

X456

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED		PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
13:10	Alleyway	SSAW-3	4-4.5'	soil	PHAL	183831	MeOH	2	PHAL by 8021
10:35	Alleyway/Bldg	SSAW-12	1-1.5'	soil	PHAL	183832	MeOH	2	1
12:00	Alleyway/Bldg	SSAW-13	1.5-2'	soil	PHAL	183833	MeOH	2	CLP Package
11:20	Alleyway/Bldg	SSAW-14	4.5-5'	soil	PHAL	183834	MeOH	2	
15:45	Alleyway/Bldg	SSAW-15	4.5-5'	soil	PHAL	183835	MeOH	2	
12:30	Alleyway/Bldg	SSAW-16	1.5-2'	soil	PHAL	183836	MeOH	2	
12:35	Alleyway/Bldg	SSAW-D	1.5-2'	soil	PHAL	183837	MeOH	1	
13:40	Alleyway/HVT	SSAW-17	4-4.5	soil	PHAL	183838	MeOH	2	
12:50	Drum Storage	SSFS-3A	0-0.5'	soil	Lead	183839	Ice	1	
12:52	Drum Storage	SSFS-3B	1.5-2'	soil	PHAL	183840	MeOH	2	
12:55	Drum Storage	SSFS-3C	2-2.5'	soil	Lead	183841	Ice	1	Hold* Activated 2/23/00 per Cheryl Coffee
14:50	Field Blank	FBA0200	—	H_2O	PHAL	183842	Ice	2	
14:50	Field Blank	FBA0200	—	H_2O	Lead	↓	HNO_3	1	
—	Trip Blank	TBA0200	—	~~H_2O~~ MeOH	PHAL	183843	HCL	2	

RELINQUISHED BY: Cheryl L. Coffee DATE: 2/16/00 TIME: 0820 RECEIVED BY: [illegible] DATE: 2/16/00 TIME 0820

RELINQUISHED BY: [illegible] DATE: 2/16/00 TIME: 1000 RECEIVED BY: [illegible] DATE: 2/16/00 TIME 1000

ANALYTICAL PARAMETER IDENTIFICATION KEY:
PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH

TOTAL NO. CONTAINERS_____

The Whitman Companies
44 West Ferris Street
East Brunswick, NJ 08816
908-390-5858

306639

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No: X456 Site: Klockner & Klockner

Client: The Whitman Companies, Inc.

VOAGC

8021Be

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
WATER							
183842	2/15/2000	2/16/2000			2/25/00	SP	6958
183843	2/15/2000	2/16/2000			2/29/00		
SOLID							
183831	2/15/2000	2/16/2000			2/28/00	SP	6958
183832	2/15/2000	2/16/2000			2/25/00		
183833	2/15/2000	2/16/2000			2/28/00		
183834	2/15/2000	2/16/2000					
183835	2/15/2000	2/16/2000					
183836	2/15/2000	2/16/2000					
183837	2/15/2000	2/16/2000					
183838	2/15/2000	2/16/2000					
183840	2/15/2000	2/16/2000					

306640

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X456	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/15/2000
Sample No.:	183839	**Date Received:**	2/16/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/17/00	QR	2/17/00	DE	9151

306641

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X456	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/15/2000
Sample No.:	183841	**Date Received:**	2/16/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/17/00	GR	2/17/00	DL	9751

306642

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X456	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/15/2000
Sample No.:	183842	**Date Received:**	2/16/2000
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/17/00	CRC	2/17/00	DC	9157

306643

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

306644

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

306645

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

306646

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND - The compound was not detected at the indicated concentration.

B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

\+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

NON-CONFORMANCE SUMMARY

STL Envirotech Job Number: X456

Volatile Organics Analysis:

All data conforms with method requirements _____; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:
Sample 183832 surrogate std recovery low. Sample reanalyzed confirming matrix interference.

See continuation page if checked ( )

Base/Neutral and/or Acid Extractable Organics:

All data conforms with method requirements _____; or
Analysis was not requested _____; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

PCBs and/or Organochlorine Pesticides:

All data conforms with method requirements _____; or
Analysis was not requested ____/____; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

306648

Non-conformance Summary, Page 2 of 2
STL Envirotech Job Number: X456

Metals Analysis:

All data conforms with method requirements ✓; or
Analysis was not requested ____; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Total Petroleum Hydrocarbons:

All data conforms with method requirements ____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

General Chemistry/Disposal Parameters:

All data conforms with method requirements ____; or
Analysis was not requested ✓; or
Non-conformance for the specific samples listed is as follows:

See continuation page if checked ( )

Signature of
Laboratory Manager: _____ Date: 3/6/00

306649

Client ID: **SSAW-3**
Site: Klockner & Klockner

Lab Sample No: **183831**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7708.d

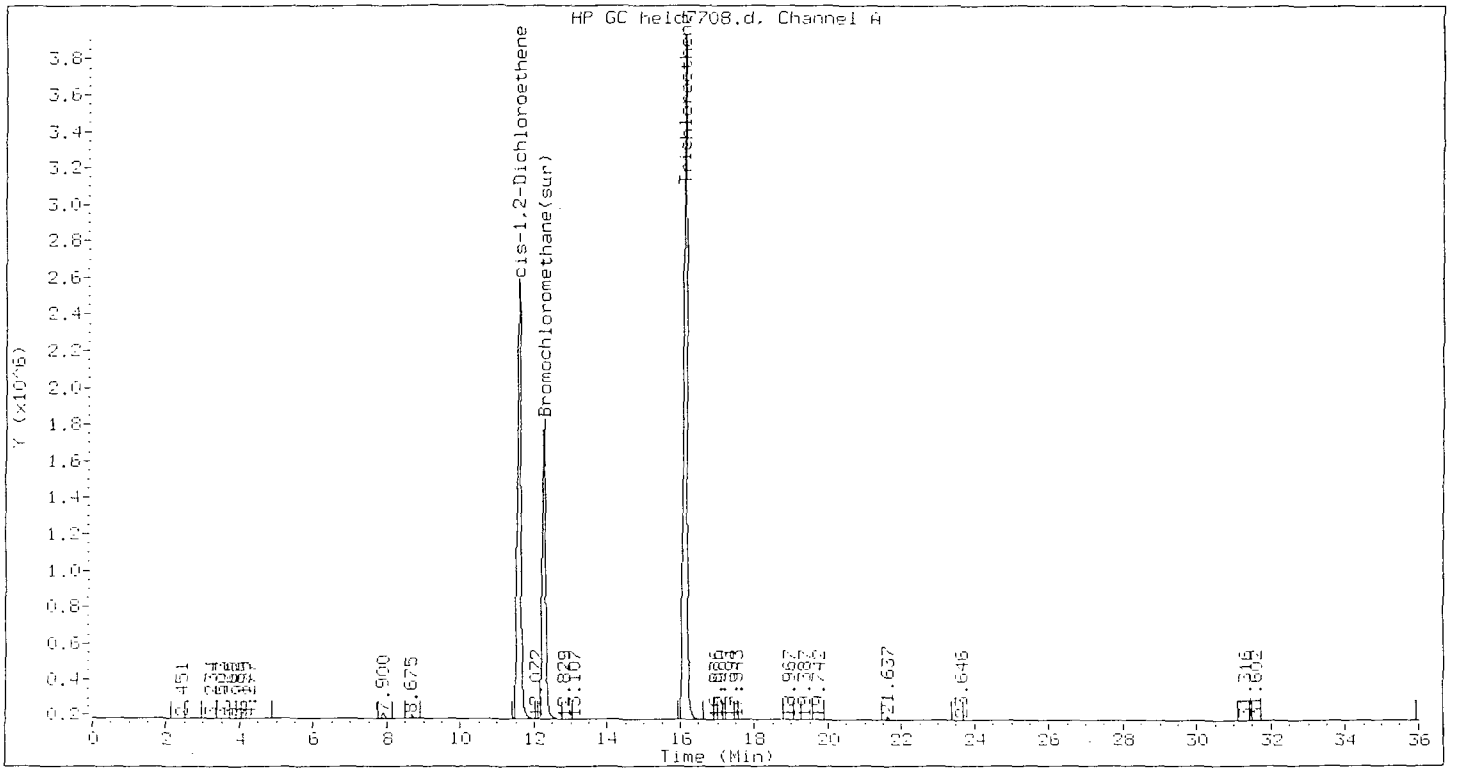
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 20.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	280
Chloromethane	ND	280
Vinyl Chloride	ND	280
Bromomethane	ND	280
Chloroethane	ND	280
Trichlorofluoromethane	ND	280
1,1-Dichloroethene	ND	280
Methylene Chloride	ND	280
trans-1,2-Dichloroethene	ND	280
1,1-Dichloroethane	ND	280
cis-1,2-Dichloroethene	4100	280
Chloroform	ND	280
1,1,1-Trichloroethane	ND	280
Carbon Tetrachloride	ND	280
1,2-Dichloroethane	ND	280
Trichloroethene	5400	280
1,2-Dichloropropane	ND	280
Bromodichloromethane	ND	280
2-Chloroethyl Vinyl Ether	ND	280
cis-1,3-Dichloropropene	ND	280
trans-1,3-Dichloropropene	ND	280
1,1,2-Trichloroethane	ND	280
Tetrachloroethene	ND	280
Dibromochloromethane	ND	280
Chlorobenzene	ND	280
Bromoform	ND	280
1,1,2,2-Tetrachloroethane	ND	280
1,3-Dichlorobenzene	ND	280
1,4-Dichlorobenzene	ND	280
1,2-Dichlorobenzene	ND	280

306650

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7708.d Page 1
Report Date 02/29/2000 09:48



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183831;;100
Lab ID : 183831
Inj Date : 28-FEB-2000 14:21
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 100
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
cis-1,2-Dichloroethene	11.588	11.560	0.029	80939476	14.770	4131.392
Trichloroethene	16.124	16.099	0.026	122039016	19.136	5352.680
Bromochloromethane(sur)	12.272	12.243	0.029	52832302	13.362	3737.582

306651

Client ID: **SSAW-12**
Site: Klockner & Klockner

Lab Sample No: **183832**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7685.d

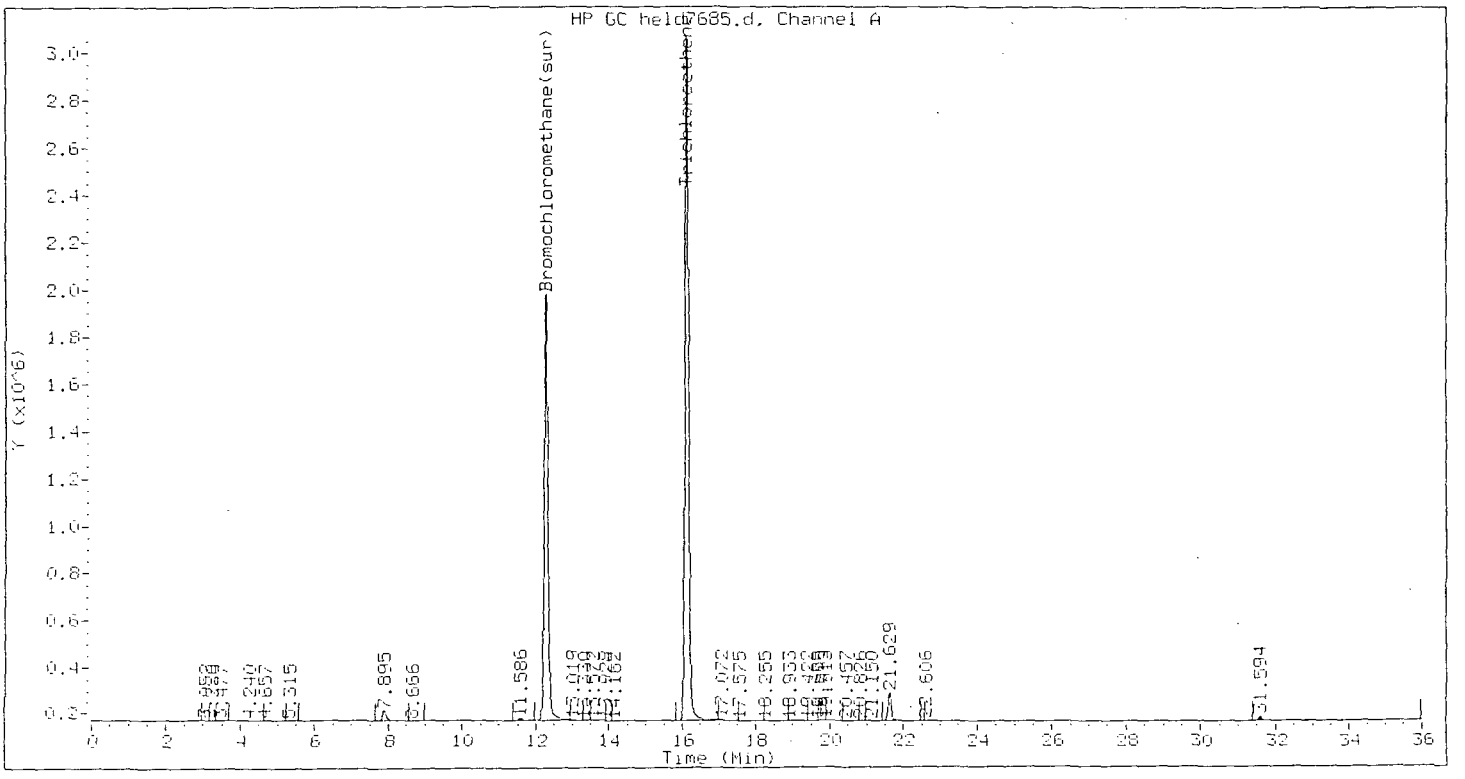
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	2400	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

306652

Data File: /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/held7685.d Page 1
Report Date 02/29/2000 09:00



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : 183832;;50
Lab ID : 183832
Inj Date : 25-FEB-2000 22:35
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Trichloroethene	16.118	16.090	0.028	98527785	17.028	2410.534
Bromochloromethane(sur)	12.265	12.236	0.029	61543713	15.928	2254.818

306653

Client ID: **SSAW-13**
Site: Klockner & Klockner

Lab Sample No: **183833**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7710.d

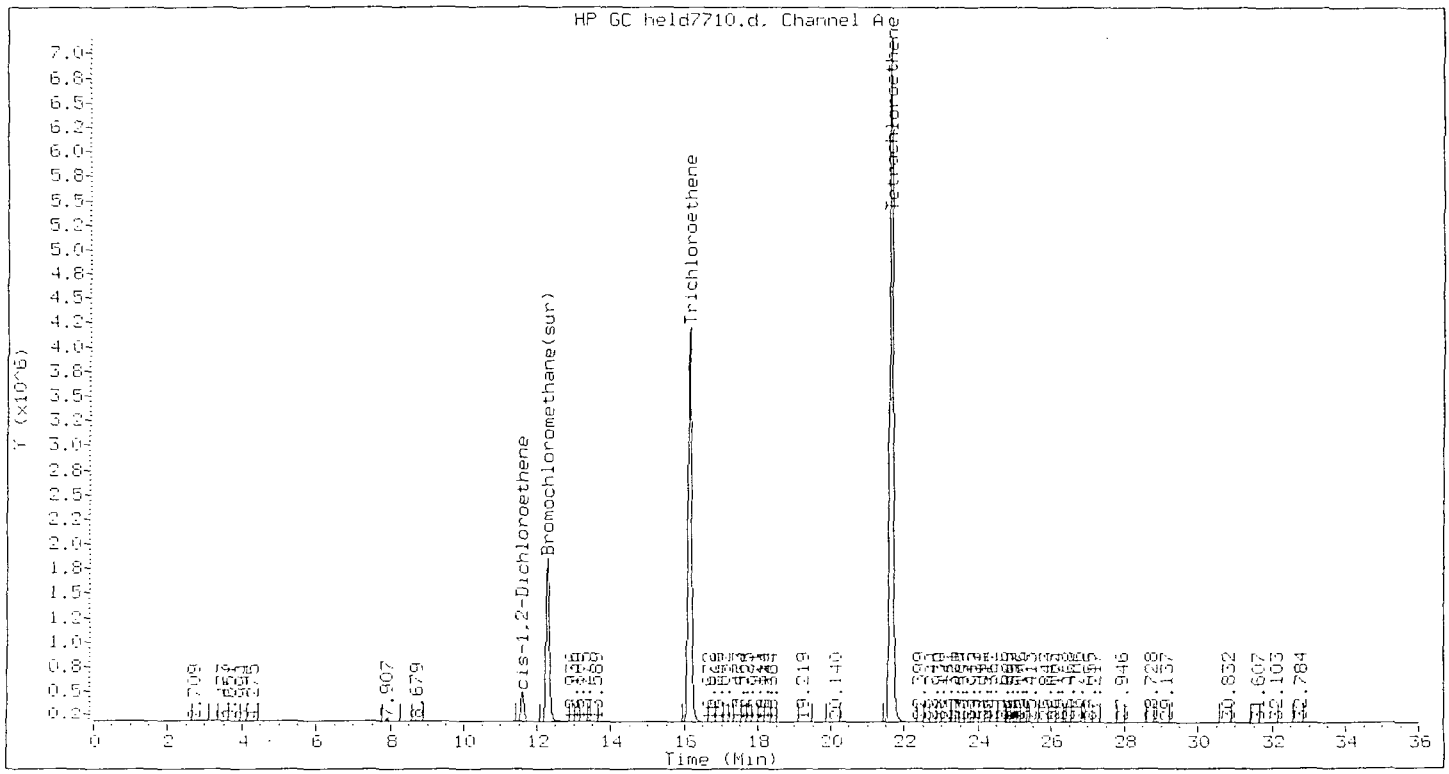
Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 18.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	260
Chloromethane	ND	260
Vinyl Chloride	ND	260
Bromomethane	ND	260
Chloroethane	ND	260
Trichlorofluoromethane	ND	260
1,1-Dichloroethene	ND	260
Methylene Chloride	ND	260
trans-1,2-Dichloroethene	ND	260
1,1-Dichloroethane	ND	260
cis-1,2-Dichloroethene	470	260
Chloroform	ND	260
1,1,1-Trichloroethane	ND	260
Carbon Tetrachloride	ND	260
1,2-Dichloroethane	ND	260
Trichloroethene	5300	260
1,2-Dichloropropane	ND	260
Bromodichloromethane	ND	260
2-Chloroethyl Vinyl Ether	ND	260
cis-1,3-Dichloropropene	ND	260
trans-1,3-Dichloropropene	ND	260
1,1,2-Trichloroethane	ND	260
Tetrachloroethene	8300	260
Dibromochloromethane	ND	260
Chlorobenzene	ND	260
Bromoform	ND	260
1,1,2,2-Tetrachloroethane	ND	260
1,3-Dichlorobenzene	ND	260
1,4-Dichlorobenzene	ND	260
1,2-Dichlorobenzene	ND	260

306654

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7710.d Page 1
Report Date 02/29/2000 09:48



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183833;;100
Lab ID : 183833
Inj Date : 28-FEB-2000 15:47
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 100
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
cis-1,2-Dichloroethene	11.594	11.560	0.035	9973853	1.820	470.245
Trichloroethene	16.127	16.099	0.028	131440483	20.610	5325.088
Tetrachloroethene	21.635	21.610	0.025	221016491	32.089	8290.903
Bromochloromethane(sur)	12.276	12.243	0.033	54680789	13.830	3573.149

306655

Client ID: **SSAW-14**
Site: Klockner & Klockner

Lab Sample No: **183834**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7711.d

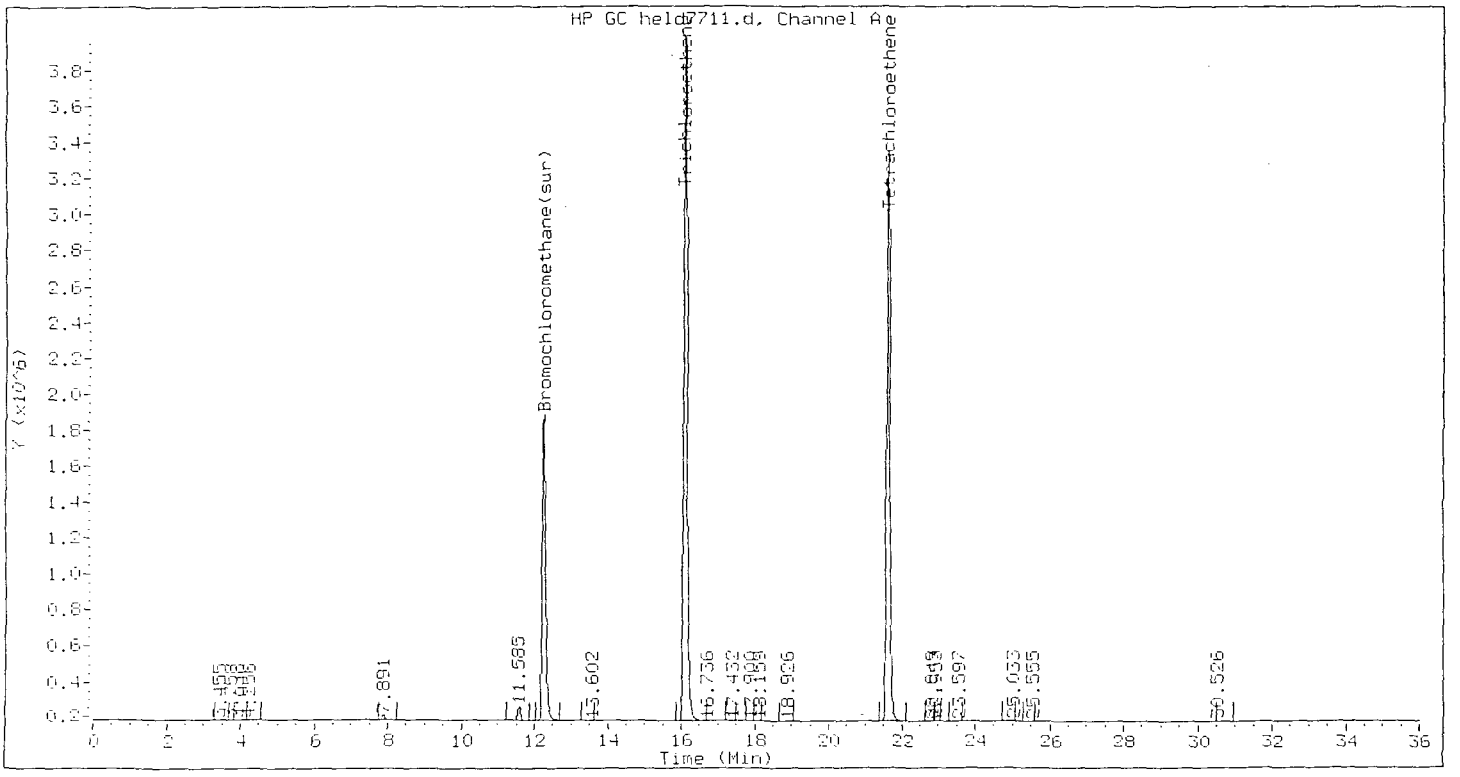
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 16.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	280
Chloromethane	ND	280
Vinyl Chloride	ND	280
Bromomethane	ND	280
Chloroethane	ND	280
Trichlorofluoromethane	ND	280
1,1-Dichloroethene	ND	280
Methylene Chloride	ND	280
trans-1,2-Dichloroethene	ND	280
1,1-Dichloroethane	ND	280
cis-1,2-Dichloroethene	ND	280
Chloroform	ND	280
1,1,1-Trichloroethane	ND	280
Carbon Tetrachloride	ND	280
1,2-Dichloroethane	ND	280
Trichloroethene	5500	280
1,2-Dichloropropane	ND	280
Bromodichloromethane	ND	280
2-Chloroethyl Vinyl Ether	ND	280
cis-1,3-Dichloropropene	ND	280
trans-1,3-Dichloropropene	ND	280
1,1,2-Trichloroethane	ND	280
Tetrachloroethene	4000	280
Dibromochloromethane	ND	280
Chlorobenzene	ND	280
Bromoform	ND	280
1,1,2,2-Tetrachloroethane	ND	280
1,3-Dichlorobenzene	ND	280
1,4-Dichlorobenzene	ND	280
1,2-Dichlorobenzene	ND	280

306656

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7711.d Page 1
Report Date 02/29/2000 09:48



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183834;;100
Lab ID : 183834
Inj Date : 28-FEB-2000 16:31
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 100
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Trichloroethene	16.120	16.099	0.022	126929365	19.903	5497.786
Tetrachloroethene	21.630	21.610	0.020	99023320	14.377	3971.392
Bromochloromethane(sur)	12.267	12.243	0.025	55255719	13.975	3860.305

306657

Client ID: **SSAW-15**
Site: Klockner & Klockner

Lab Sample No: **183835**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7714.d

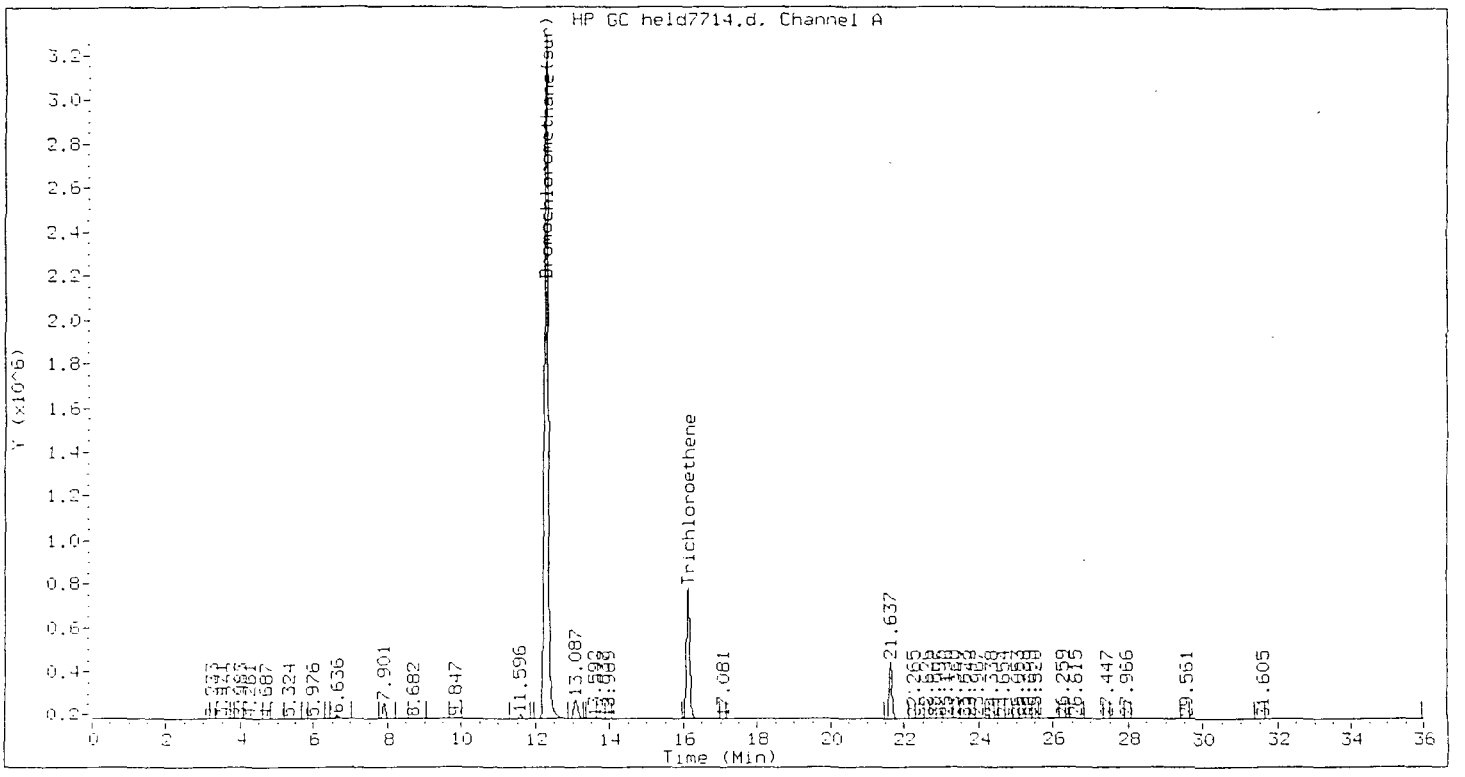
Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	360	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

306658

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7714.d Page 1
Report Date 02/29/2000 09:49



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183835;;50
Lab ID : 183835
Inj Date : 28-FEB-2000 18:40
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Trichloroethene	16.128	16.099	0.030	18969726	2.975	357.468
Bromochloromethane(sur)	12.274	12.243	0.031	103249934	26.113	3138.227

306659

Client ID: **SSAW-16**
Site: Klockner & Klockner

Lab Sample No: **183836**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7712.d

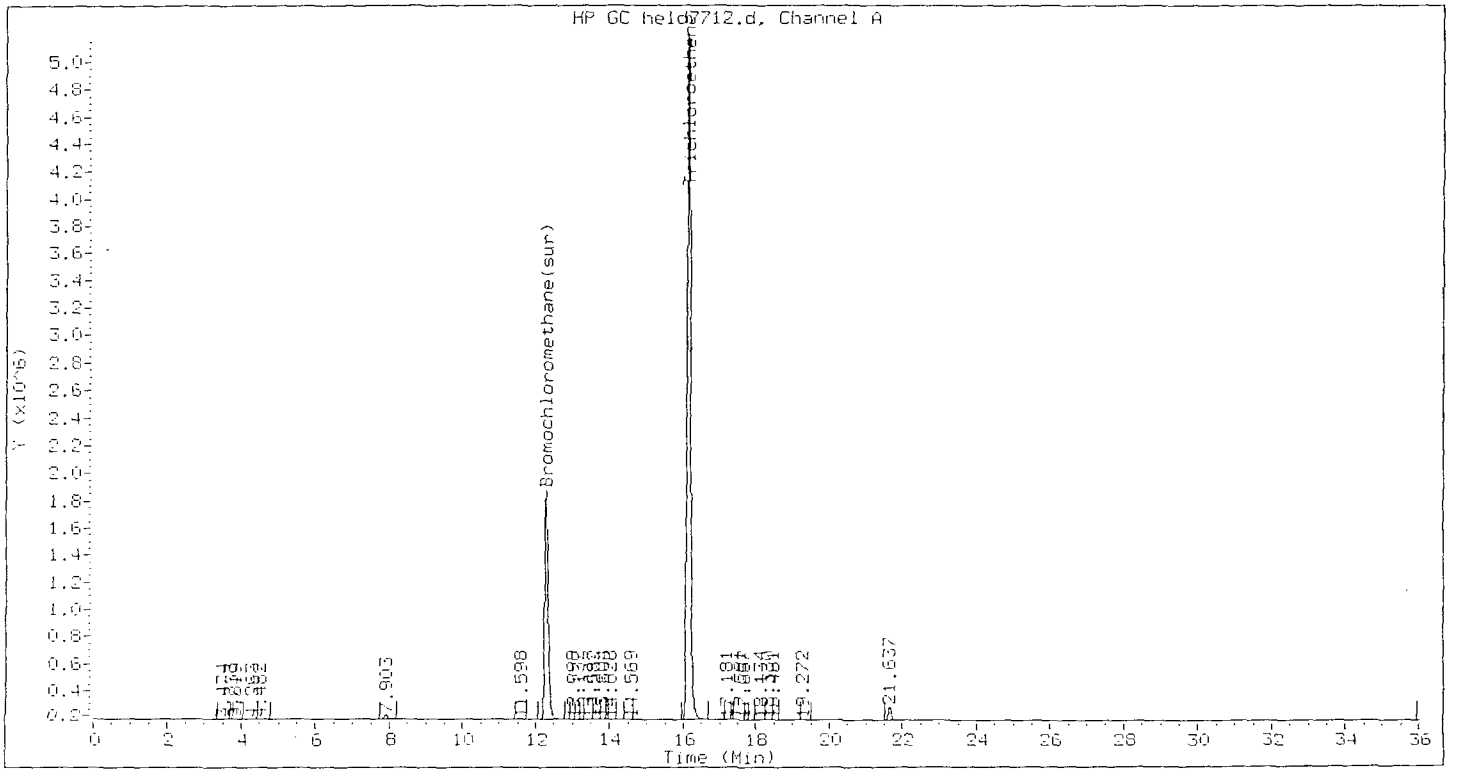
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 22.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	290
Chloromethane	ND	290
Vinyl Chloride	ND	290
Bromomethane	ND	290
Chloroethane	ND	290
Trichlorofluoromethane	ND	290
1,1-Dichloroethene	ND	290
Methylene Chloride	ND	290
trans-1,2-Dichloroethene	ND	290
1,1-Dichloroethane	ND	290
cis-1,2-Dichloroethene	ND	290
Chloroform	ND	290
1,1,1-Trichloroethane	ND	290
Carbon Tetrachloride	ND	290
1,2-Dichloroethane	ND	290
Trichloroethene	7600	290
1,2-Dichloropropane	ND	290
Bromodichloromethane	ND	290
2-Chloroethyl Vinyl Ether	ND	290
cis-1,3-Dichloropropene	ND	290
trans-1,3-Dichloropropene	ND	290
1,1,2-Trichloroethane	ND	290
Tetrachloroethene	ND	290
Dibromochloromethane	ND	290
Chlorobenzene	ND	290
Bromoform	ND	290
1,1,2,2-Tetrachloroethane	ND	290
1,3-Dichlorobenzene	ND	290
1,4-Dichlorobenzene	ND	290
1,2-Dichlorobenzene	ND	290

306660

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7712.d Page 1
Report Date 02/29/2000 09:48



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183836;;100
Lab ID : 183836
Inj Date : 28-FEB-2000 17:13
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 100
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Trichloroethene	16.124	16.099	0.025	166821660	26.158	7621.553
Bromochloromethane(sur)	12.274	12.243	0.031	55063742	13.926	4057.658

306661

Client ID: **SSAW-D**
Site: Klockner & Klockner

Lab Sample No: **183837**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7713.d

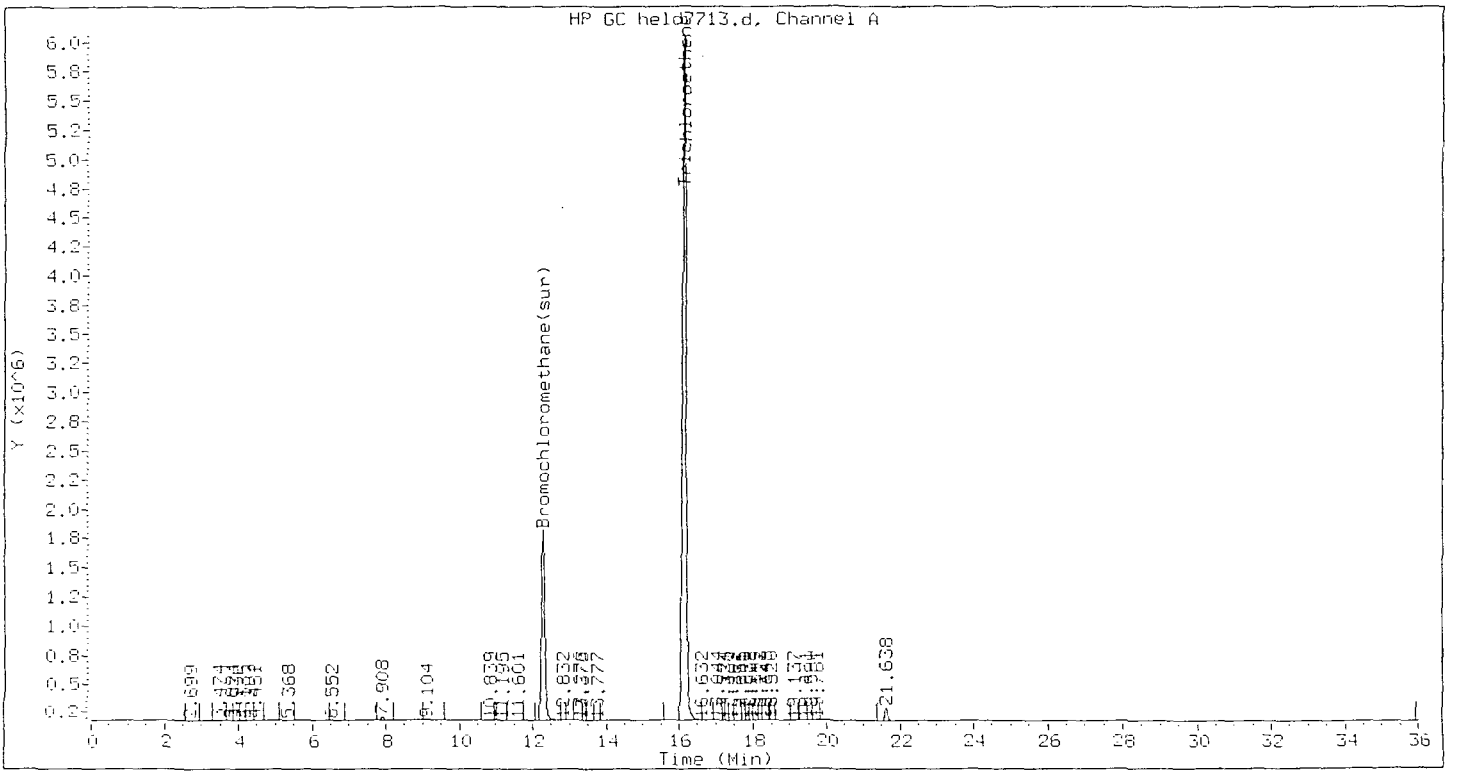
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 22.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	310
Chloromethane	ND	310
Vinyl Chloride	ND	310
Bromomethane	ND	310
Chloroethane	ND	310
Trichlorofluoromethane	ND	310
1,1-Dichloroethene	ND	310
Methylene Chloride	ND	310
trans-1,2-Dichloroethene	ND	310
1,1-Dichloroethane	ND	310
cis-1,2-Dichloroethene	ND	310
Chloroform	ND	310
1,1,1-Trichloroethane	ND	310
Carbon Tetrachloride	ND	310
1,2-Dichloroethane	ND	310
Trichloroethene	9400	310
1,2-Dichloropropane	ND	310
Bromodichloromethane	ND	310
2-Chloroethyl Vinyl Ether	ND	310
cis-1,3-Dichloropropene	ND	310
trans-1,3-Dichloropropene	ND	310
1,1,2-Trichloroethane	ND	310
Tetrachloroethene	ND	310
Dibromochloromethane	ND	310
Chlorobenzene	ND	310
Bromoform	ND	310
1,1,2,2-Tetrachloroethane	ND	310
1,3-Dichlorobenzene	ND	310
1,4-Dichlorobenzene	ND	310
1,2-Dichlorobenzene	ND	310

306662

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7713.d Page 1
Report Date 02/29/2000 09:48



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183837;;100
Lab ID : 183837 Inst ID : VOAGC2.i
Inj Date : 28-FEB-2000 17:57 Dil Factor : 100
Operator : SP Sample Matrix : SOIL
Cpnd Sublist: 601 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Trichloroethene	16.128	16.099	0.029	195114805	30.595	9423.558
Bromochloromethane(sur)	12.275	12.243	0.032	52796334	13.353	4112.890

306663

Client ID: **SSAW-17**
Site: Klockner & Klockner

Lab Sample No: **183838**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7720.d

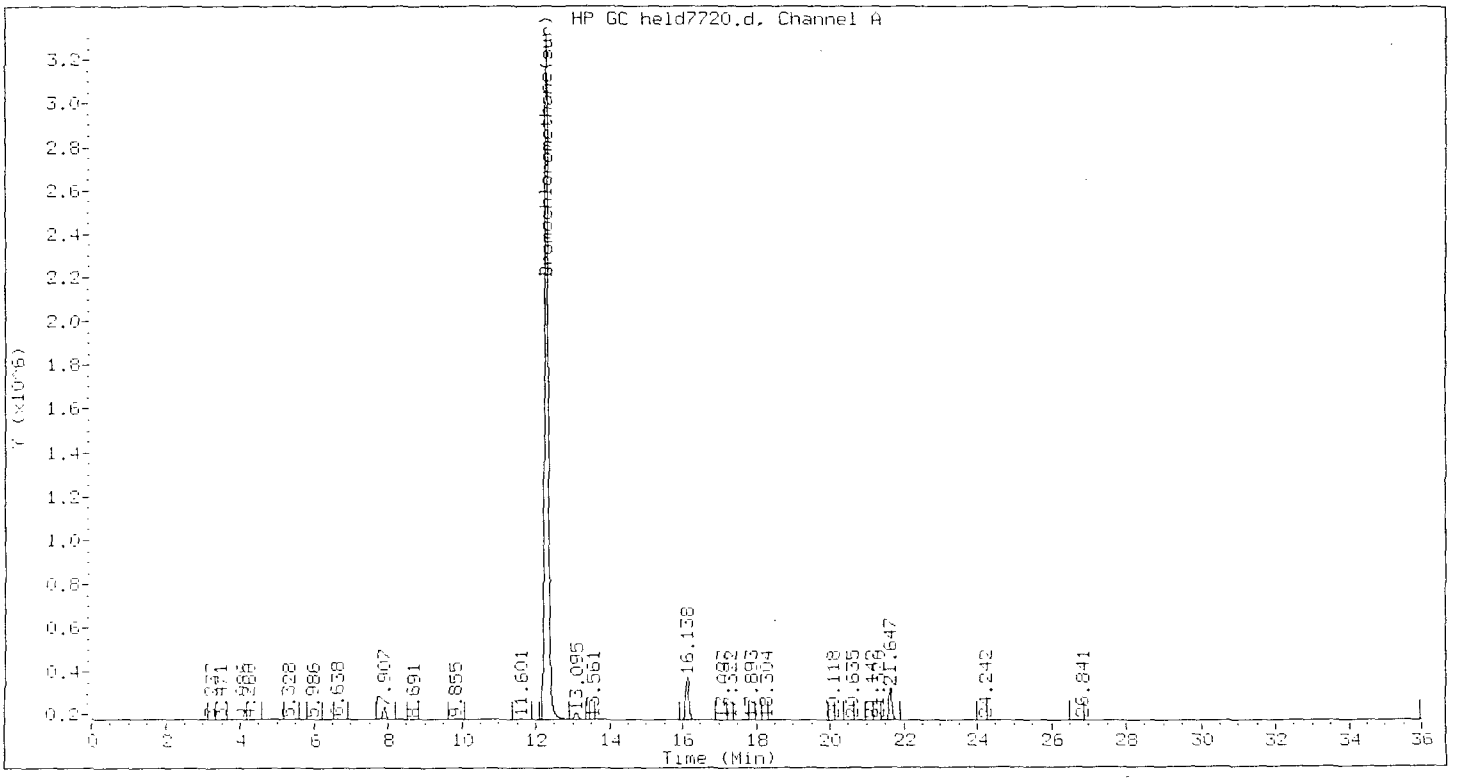
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	ND	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

306664

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/held7720.d Page 1
Report Date 02/29/2000 09:49



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/8021BEHIGH.m
Sample Info : 183838;;50
Lab ID : 183838
Inj Date : 28-FEB-2000 22:58
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	12.281	12.280	0.000	104940362	26.541	3759.923

306665

Client ID: **SSFS-3B**
Site: Klockner & Klockner

Lab Sample No: **183840**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7721.d

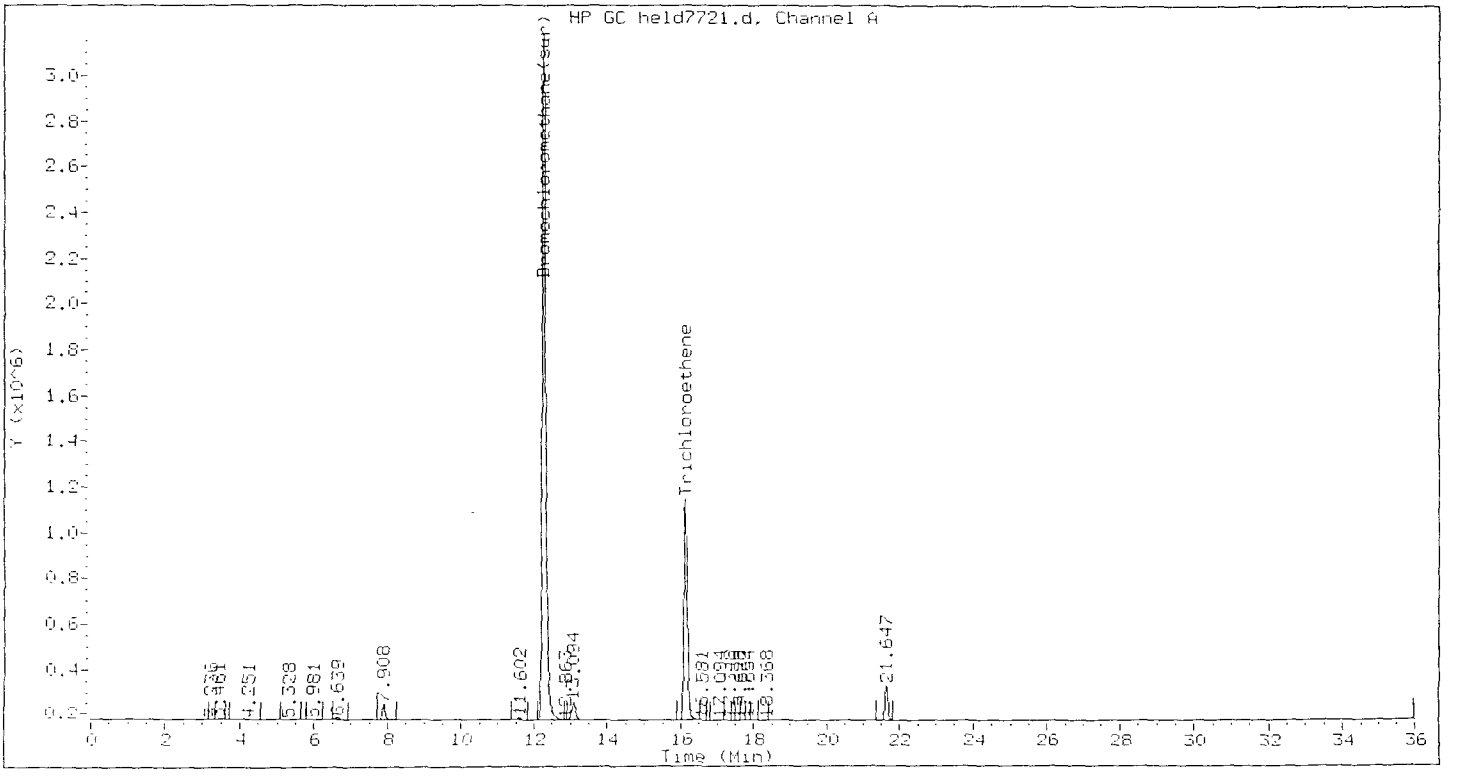
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	710	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

306666

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/held7721.d Page 1
Report Date 02/29/2000 09:49



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/8021BEHIGH.m
Sample Info : 183840;;50
Lab ID : 183840
Inj Date : 28-FEB-2000 23:41
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Trichloroethene	16.137	16.133	0.004	30906008	4.846	709.995
Bromochloromethane(sur)	12.281	12.280	0.001	100837408	25.503	3736.397

306667

Client ID: **FBA0200**
Site: Klockner & Klockner

Lab Sample No: **183842**
Lab Job No: X456

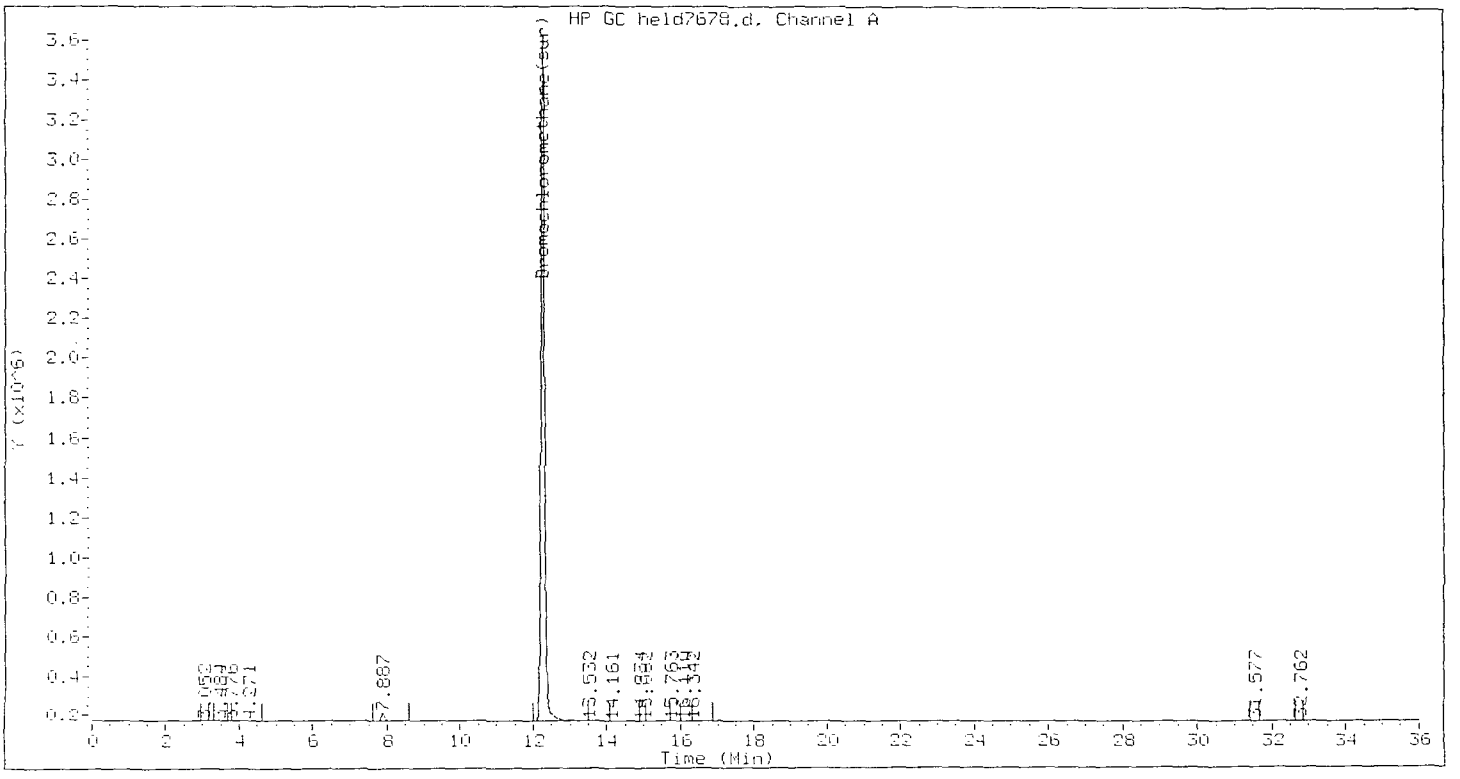
Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7678.d

Matrix: WATER
Level: MED
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dichlorodifluoromethane	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

306668



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : 183842
Lab ID : 183842
Inj Date : 25-FEB-2000 17:33
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Bromochloromethane(sur)	12.250	12.236	0.014	116387813	30.122	30.122

306669

Client ID: **TBA0200**
Site: Klockner & Klockner

Lab Sample No: **183843**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/29/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7722.d

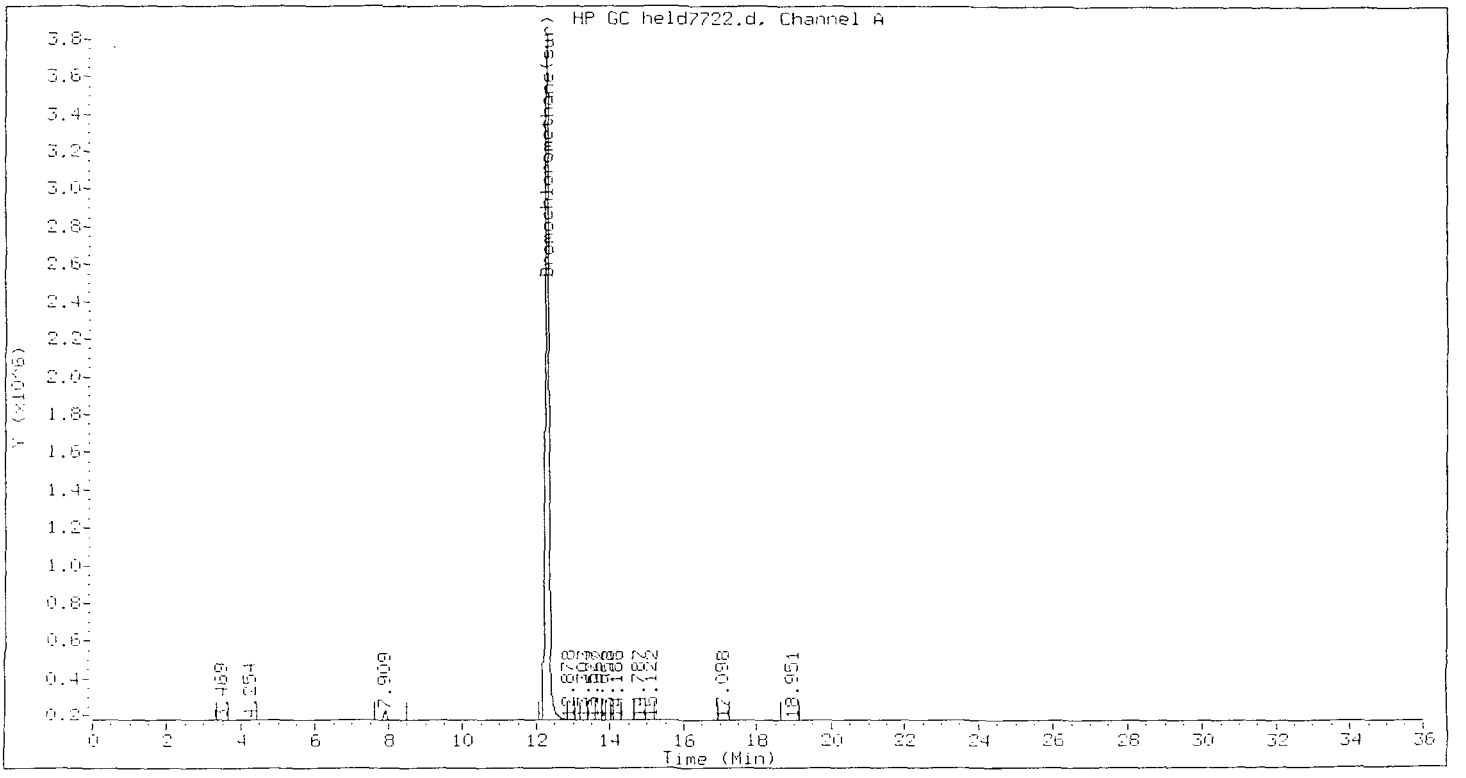
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

306670

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/held7722.d Page 1
Report Date 02/29/2000 09:49



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/8021BEHIGH.m
Sample Info : 183843;;50
Lab ID : 183843
Inj Date : 29-FEB-2000 00:23
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	12.281	12.280	0.001	122077000	30.875	3859.366

306671

LAB SAMPLE NO.

HG056

VOLATILE METHOD BLANK SUMMARY

Date Analyzed: 02/25/00

Instrument ID: VOAGC2

Time Analyzed: 1606

Lab File ID: HELD7676

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	FBA0200	183842	HELD7678	1733
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
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21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **HG056**
Site:

Lab Sample No: **HG056**
Lab Job No: X456

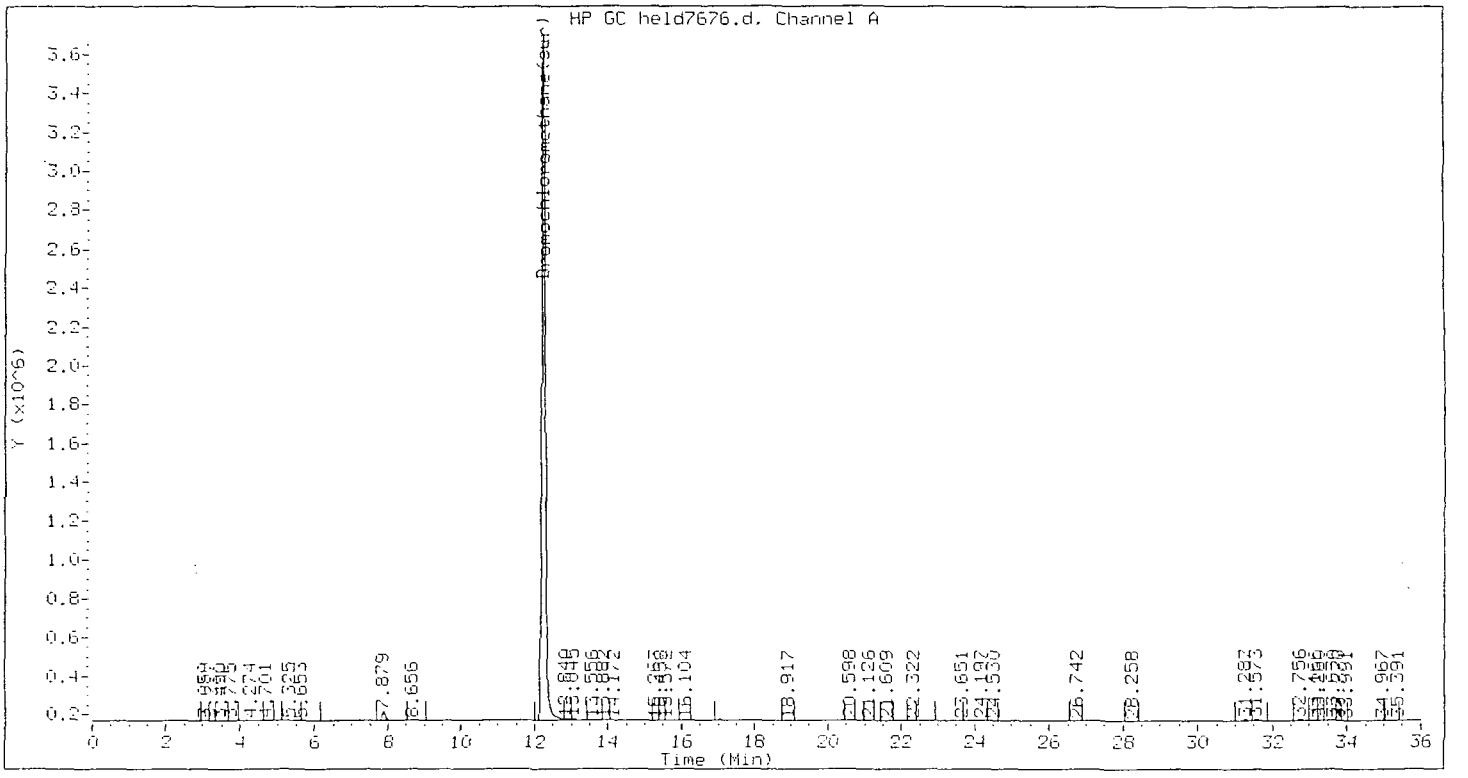
Date Sampled: _____
Date Received: _____
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7676.d

Matrix: WATER
Level: MED
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dichlorodifluoromethane	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

306673



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : HG056
Lab ID : HG056
Inj Date : 25-FEB-2000 16:06
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Bromochloromethane(sur)	12.244	12.236	0.007	118391978	30.641	30.641

306674

LAB SAMPLE NO.

HG056A

VOLATILE METHOD BLANK SUMMARY

Date Analyzed: 02/25/00

Instrument ID: VOAGC2

Time Analyzed: 1650

Lab File ID: HELD7677

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-12	183832	HELD7685	2235
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS:

306675

Client ID: **HG056A**
Site:

Lab Sample No: **HG056A**
Lab Job No: X456

Date Sampled: _____
Date Received: _____
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7677.d

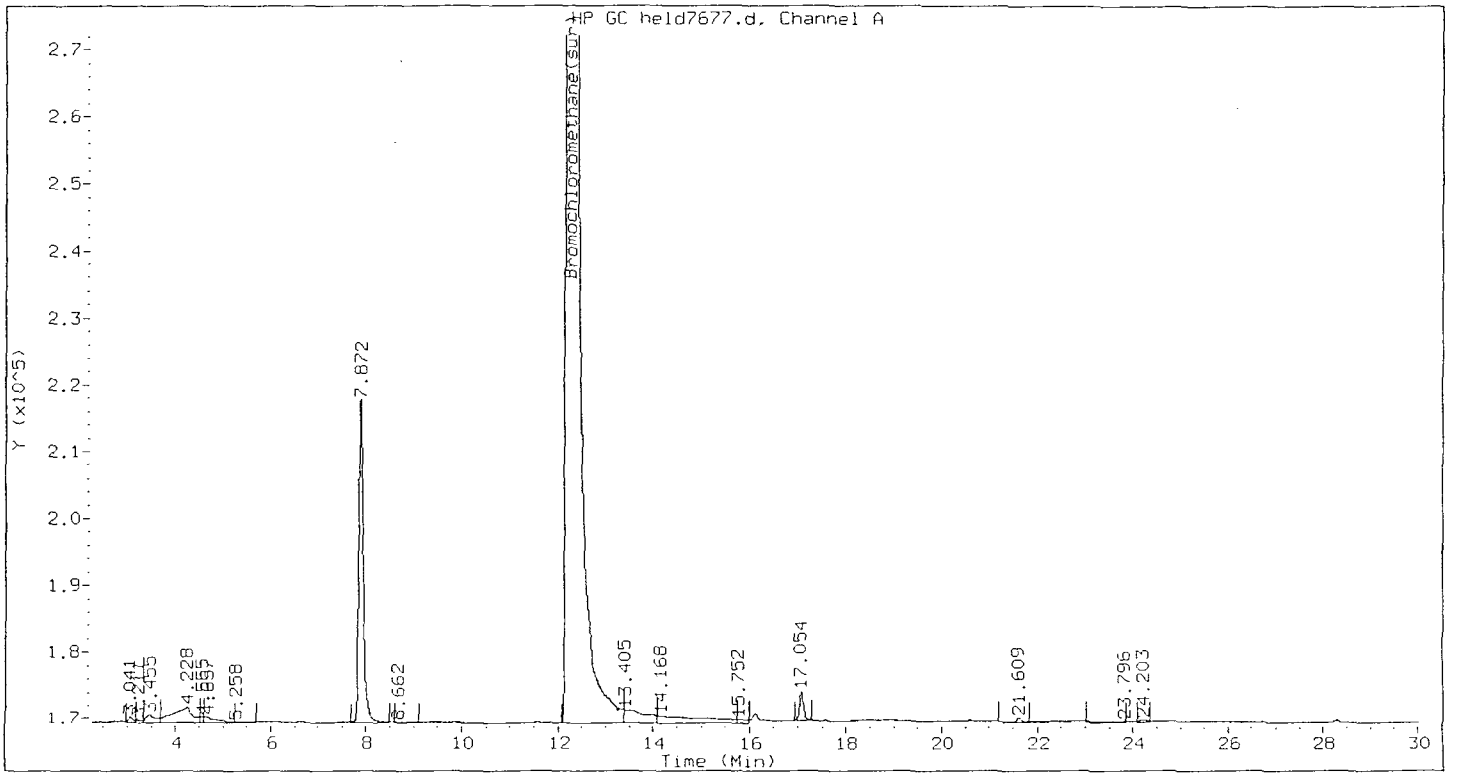
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

306676

Data File: /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/held7677.d Page 1
Report Date 03/07/2000 11:12



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : HG056A
Lab ID : HG056A
Inj Date : 25-FEB-2000 16:50
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	12.241	12.236	0.005	114144076	29.541	3692.681

306677

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

HG059

Date Analyzed: 02/28/00

Instrument ID: VOAGC2

Time Analyzed: 1327

Lab File ID: HELD7707

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-3	183831	HELD7708	1421
02	SSAW-12R1	183832R1	HELD7709	1504
03	SSAW-13	183833	HELD7710	1547
04	SSAW-14	183834	HELD7711	1631
05	SSAW-16	183836	HELD7712	1713
06	SSAW-D	183837	HELD7713	1757
07	SSAW-15	183835	HELD7714	1840
08	SSAW-15MS	183835MS	HELD7715	1923
09	SSAW-15MSD	183835MSD	HELD7716	2006
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COMMENTS:

306678

Client ID: **HG059**
Site:

Lab Sample No: **HG059**
Lab Job No: X456

Date Sampled: _____
Date Received: _____
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7707.d

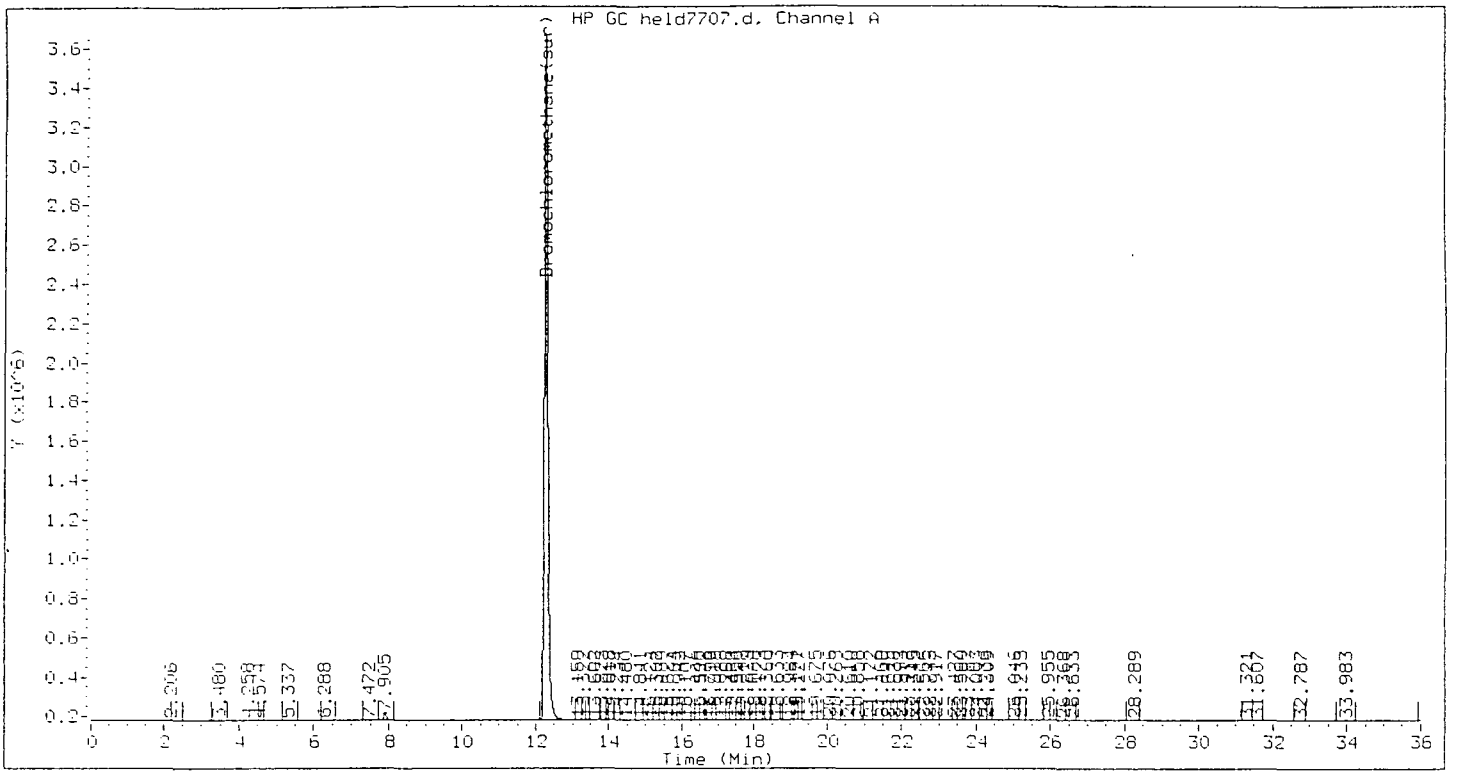
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

306679

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7707.d Page 1
Report Date 02/29/2000 09:48



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : HG059
Lab ID : HG059 Inst ID : VOAGC2.i
Inj Date : 28-FEB-2000 13:27 Dil Factor : 50
Operator : SP Sample Matrix : SOIL
Cpnd Sublist: 601 Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Bromochloromethane(sur)	12.277	12.243	0.034	110694893	27.996	3499.530

306680

LAB SAMPLE NO.

HG059A

VOLATILE METHOD BLANK SUMMARY

Date Analyzed: 02/28/00

Instrument ID: VOAGC2

Time Analyzed: 2215

Lab File ID: HELD7719

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-17	183838	HELD7720	2258
02	SSFS-3B	183840	HELD7721	2341
03	TBA0200	183843	HELD7722	0023
04				
05				
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COMMENTS:

306681

Client ID: **HG059A**
Site:

Lab Sample No: **HG059A**
Lab Job No: X456

Date Sampled: _____
Date Received: _____
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7719.d

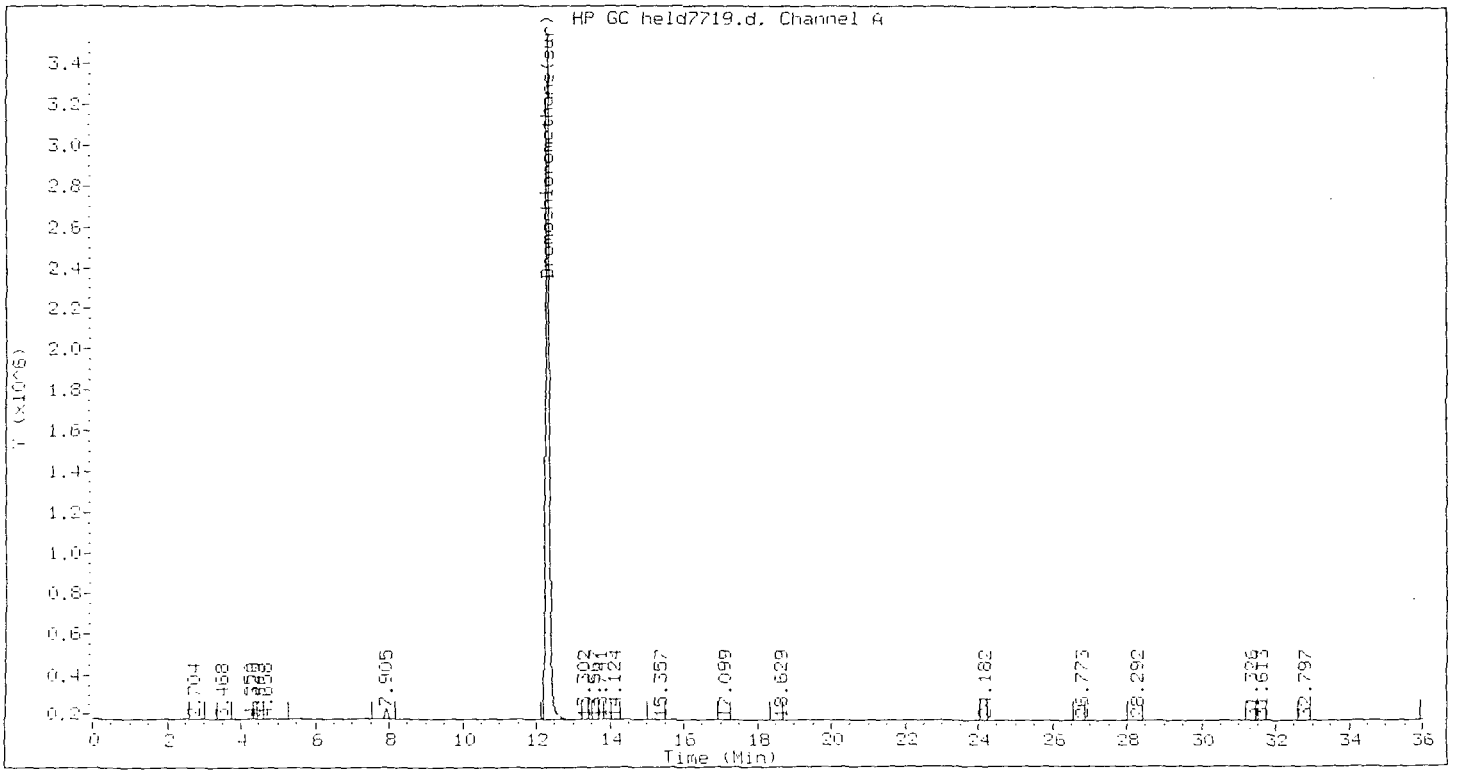
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

306682

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/held7719.d Page 1
Report Date 02/29/2000 09:49



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/8021BEHIGH.m
Sample Info : HG059A
Lab ID : HG059A
Inj Date : 28-FEB-2000 22:15
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	12.280	12.280	0.000	112685456	28.500	3562.460

306683

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/25/00 02/25/00

Calibration Time(s): 1145 1439

LAB FILE ID: RRF1: HELD7671 RRF5: HELD7672 RRF10: HELD7673
RRF20: HELD7670 RRF40: HELD7674

COMPOUND	RRF1	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	1024661	1077487	1140066	1191057	1113004
Chloromethane	552013	455972	473499	422847	459866
Vinyl Chloride	2011198	1707286	1796503	1613412	1673813
Bromomethane	1675467	1656323	1740775	1462005	1503441
Chloroethane	3253386	3147839	3256978	2932236	2931984
Trichlorofluoromethane	2667263	2862154	2933250	3432124	3114972
1,1-Dichloroethene	4729377	4682779	4743010	4309901	4354532
Methylene Chloride	6595094	5975274	5897405	5260817	5350700
trans-1,2-Dichloroethene	5504439	5346705	5339107	4724812	4886181
1,1-Dichloroethane	5713803	5567490	5590822	4930257	5057201
cis-1,2-Dichloroethene	5457234	5399877	5391014	4738204	4866264
Chloroform	7951824	7456298	7406485	6430406	6552782
1,1,1-Trichloroethane	6395300	6102124	6092985	5473607	5580688
Carbon Tetrachloride	7422899	7097923	7080829	6333370	6438101
1,2-Dichloroethane	5401624	5155463	5135949	4552369	4604998
Trichloroethene	6206903	5957214	5970356	5329698	5466922
1,2-Dichloropropane	5299870	4985636	5013269	4471720	4570837
Bromodichloromethane	5343530	5091682	5135054	4580601	4742338
2-Chloroethyl Vinyl Ether	1784585	1710439	1768782	1563191	1658638
cis-1,3-Dichloropropene	5004249	4708321	4713213	4167754	4264706
trans-1,3-Dichloropropene	4511782	4276700	4311944	3861622	3946914
1,1,2-Trichloroethane	5992120	5583496	5565683	4924785	5012957
Tetrachloroethene	6828556	6441139	6372777	5640835	5790018
Dibromochloromethane	3986359	3857406	3931387	3476560	3620479
Chlorobenzene	2640525	2488676	2480987	2262664	2330364
Bromoform	2388841	2370553	2368399	2196955	2306646
1,1,2,2-Tetrachloroethane	3989581	3810079	3795287	3391492	3421284
1,3-Dichlorobenzene	3311683	3275114	3338446	2985490	3163662
1,4-Dichlorobenzene	3680071	3500979	3554025	3182611	3319484
1,2-Dichlorobenzene	3461692	3242690	3301336	2981947	3087882
Bromochloromethane(sur)	3862079	4066986	4086377	3567240	3736628

306684

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/25/00 02/25/00

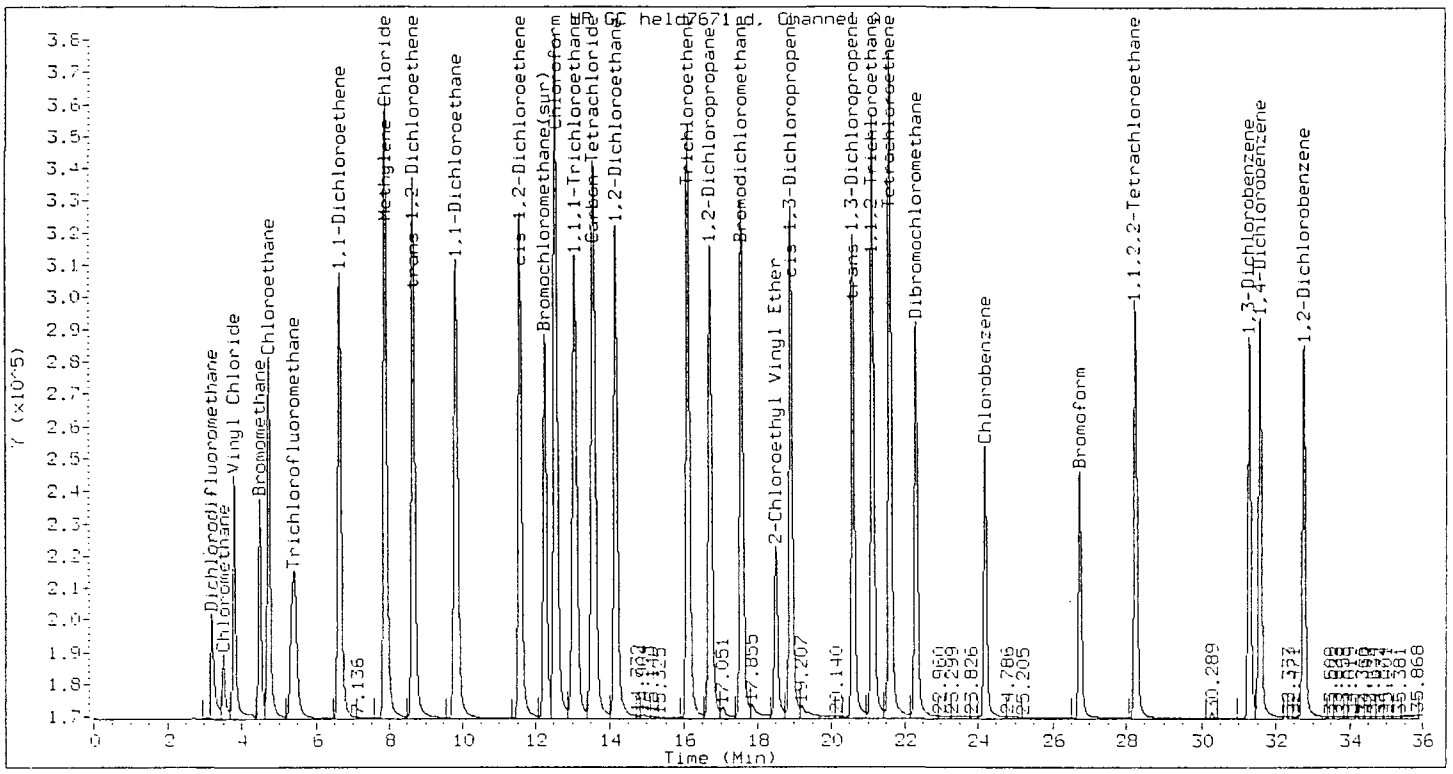
Calibration Time(s): 1145 1439

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dichlorodifluoromethane	AVRG	1109255	5.7*
Chloromethane	AVRG	472839	10*
Vinyl Chloride	AVRG	1760442	8.8*
Bromomethane	AVRG	1607602	7.4*
Chloroethane	AVRG	3104485	5.3*
Trichlorofluoromethane	AVRG	3001952	9.6*
1,1-Dichloroethene	AVRG	4563920	4.7*
Methylene Chloride	AVRG	5815858	9.3*
trans-1,2-Dichloroethene	AVRG	5160249	6.5*
1,1-Dichloroethane	AVRG	5371915	6.6*
cis-1,2-Dichloroethene	AVRG	5170519	6.6*
Chloroform	AVRG	7159559	9.0*
1,1,1-Trichloroethane	AVRG	5928941	6.5*
Carbon Tetrachloride	AVRG	6874624	6.8*
1,2-Dichloroethane	AVRG	4970080	7.5*
Trichloroethene	AVRG	5786219	6.4*
1,2-Dichloropropane	AVRG	4868266	7.0*
Bromodichloromethane	AVRG	4978641	6.2*
2-Chloroethyl Vinyl Ether	AVRG	1697127	5.3*
cis-1,3-Dichloropropene	AVRG	4571648	7.6*
trans-1,3-Dichloropropene	AVRG	4181792	6.5*
1,1,2-Trichloroethane	AVRG	5415808	8.2*
Tetrachloroethene	AVRG	6214665	7.9*
Dibromochloromethane	AVRG	3774438	5.8*
Chlorobenzene	AVRG	2440643	6.1*
Bromoform	AVRG	2326279	3.4*
1,1,2,2-Tetrachloroethane	AVRG	3681544	7.1*
1,3-Dichlorobenzene	AVRG	3214879	4.5*
1,4-Dichlorobenzene	AVRG	3447434	5.7*
1,2-Dichlorobenzene	AVRG	3215110	5.8*
Bromochloromethane(sur)	AVRG	3863862	5.7*

* Compounds with required maximum %RSD values.

306685

Data File: /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/held7671.d Page 1
Report Date 02/28/2000 10:52



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : HSTD001
Lab ID : HSTD001
Inj Date : 25-FEB-2000 12:28
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_1

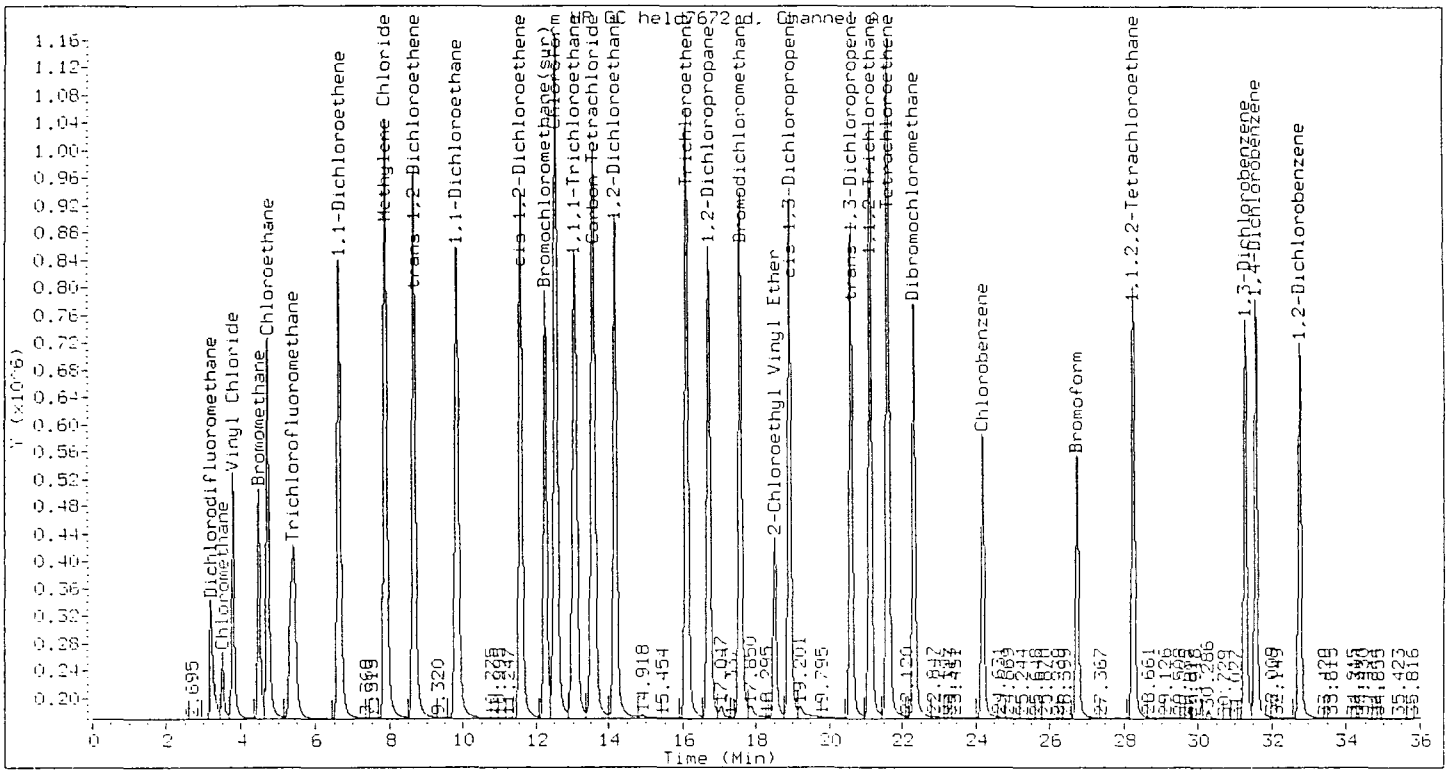
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.209	3.198	0.011	1024661	0.925	0.925
Chloromethane	3.513	3.522	0.009	552013	1.132	1.132
Vinyl Chloride	3.801	3.804	0.003	2011198	1.110	1.110
Bromomethane	4.489	4.457	0.032	1675467	1.068	1.068
Chloroethane	4.728	4.691	0.036	3253386	1.052	1.052
Trichlorofluoromethane	5.405	5.392	0.013	2667263	0.875	0.875
1,1-Dichloroethene	6.636	6.618	0.017	4729377	1.046	1.046
Methylene Chloride	7.888	7.869	0.019	6595094	1.113	1.113
trans-1,2-Dichloroethene	8.660	8.637	0.023	5504439	1.076	1.076

306686

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.835	9.816	0.019	5713803	1.074	1.074
cis-1,2-Dichloroethene	11.571	11.553	0.018	5457234	1.071	1.071
Chloroform	12.545	12.530	0.015	7951824	1.106	1.106
1,1,1-Trichloroethane	13.063	13.047	0.016	6395300	1.078	1.078
Carbon Tetrachloride	13.575	13.559	0.017	7422899	1.079	1.079
1,2-Dichloroethane	14.177	14.161	0.016	5401624	1.085	1.085
Trichloroethene	16.105	16.090	0.015	6206903	1.076	1.076
1,2-Dichloropropane	16.708	16.695	0.013	5299870	1.085	1.085
Bromodichloromethane	17.568	17.556	0.012	5343530	1.077	1.077
2-Chloroethyl Vinyl Ether	18.513	18.500	0.013	1784585	1.066	1.066
cis-1,3-Dichloropropene	18.915	18.904	0.011	5004249	1.091	1.091
trans-1,3-Dichloropropene	20.591	20.582	0.010	4511782	1.078	1.078
1,1,2-Trichloroethane	21.123	21.115	0.007	5992120	1.098	1.098
Tetrachloroethene	21.608	21.600	0.008	6828556	1.095	1.095
Dibromochloromethane	22.318	22.310	0.008	3986359	1.068	1.068
Chlorobenzene	24.196	24.188	0.007	2640525	1.077	1.077
Bromoform	26.737	26.730	0.007	2388841	1.042	1.042
1,1,2,2-Tetrachloroethane	28.254	28.249	0.005	3989581	1.081	1.081
1,3-Dichlorobenzene	31.283	31.278	0.005	3311683	1.052	1.052
1,4-Dichlorobenzene	31.569	31.565	0.005	3680071	1.072	1.072
1,2-Dichlorobenzene	32.753	32.749	0.004	3461692	1.074	1.074
Bromochloromethane(sur)	12.254	12.236	0.018	3862079	1.040	1.040

306687

Data File: /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/held7672.d Page 1
Report Date 02/28/2000 10:52



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : HSTD005
Lab ID : HSTD005
Inj Date : 25-FEB-2000 13:12
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_2

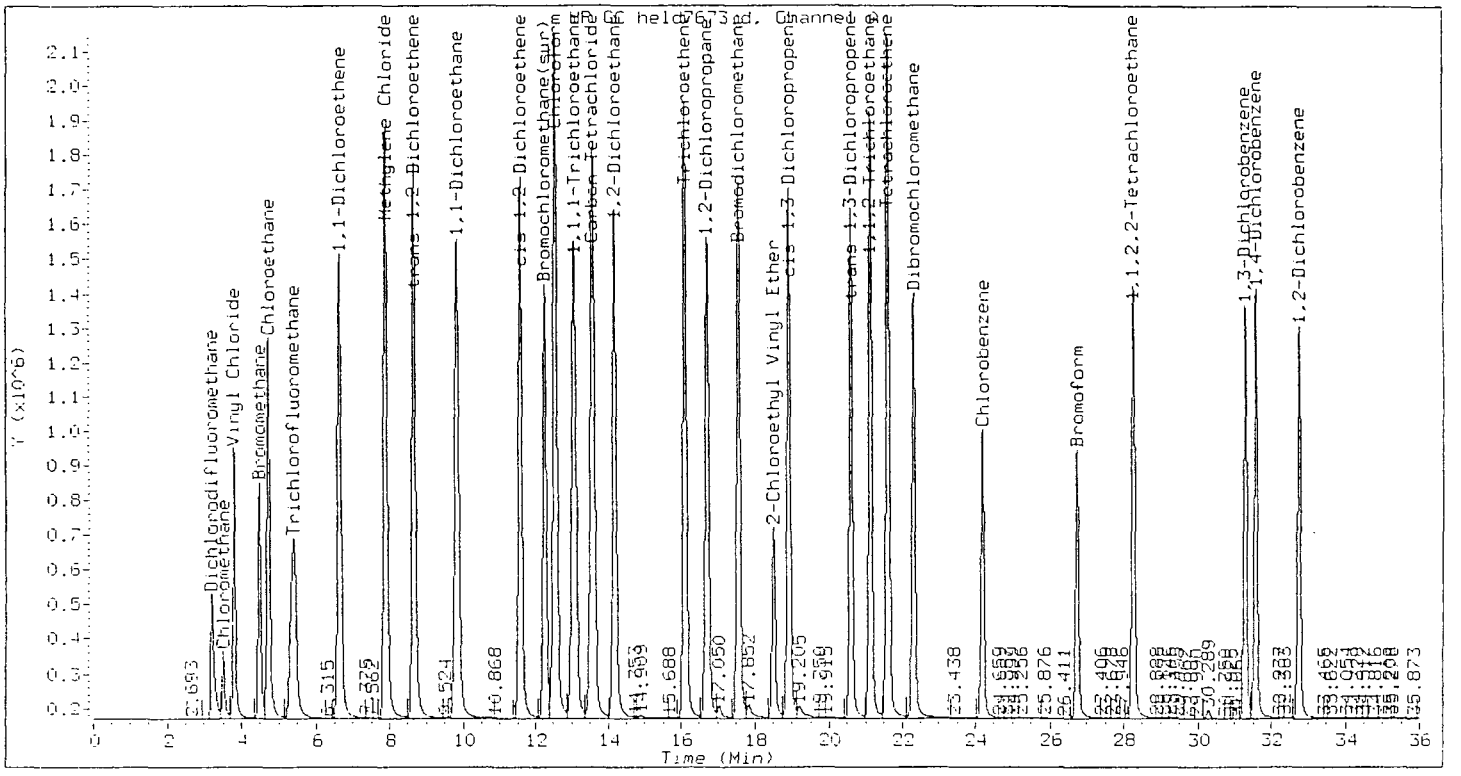
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.207	3.198	0.008	5387433	4.908	4.908
Chloromethane	3.513	3.522	0.009	2279862	4.780	4.780
Vinyl Chloride	3.799	3.804	0.005	8536431	4.803	4.803
Bromomethane	4.483	4.457	0.025	8281617	5.183	5.183
Chloroethane	4.718	4.691	0.026	15739196	5.059	5.059
Trichlorofluoromethane	5.403	5.392	0.011	14310771	4.791	4.791
1,1-Dichloroethene	6.631	6.618	0.013	23413894	5.119	5.119
Methylene Chloride	7.880	7.869	0.011	29876371	5.027	5.027
trans-1,2-Dichloroethene	8.652	8.637	0.015	26733526	5.149	5.149

306688

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.828	9.816	0.012	27837452	5.151	5.151
cis-1,2-Dichloroethene	11.565	11.553	0.011	26999385	5.194	5.194
Chloroform	12.540	12.530	0.010	37281492	5.121	5.121
1,1,1-Trichloroethane	13.057	13.047	0.010	30510619	5.093	5.093
Carbon Tetrachloride	13.570	13.559	0.011	35489616	5.105	5.105
1,2-Dichloroethane	14.171	14.161	0.011	25777315	5.118	5.118
Trichloroethene	16.102	16.090	0.011	29786071	5.108	5.108
1,2-Dichloropropane	16.704	16.695	0.009	24928179	5.068	5.068
Bromodichloromethane	17.564	17.556	0.008	25458412	5.086	5.086
2-Chloroethyl Vinyl Ether	18.507	18.500	0.007	8552197	5.072	5.072
cis-1,3-Dichloropropene	18.910	18.904	0.006	23541606	5.088	5.088
trans-1,3-Dichloropropene	20.587	20.582	0.005	21383499	5.071	5.071
1,1,2-Trichloroethane	21.120	21.115	0.005	27917481	5.076	5.076
Tetrachloroethene	21.605	21.600	0.005	32205697	5.109	5.109
Dibromochloromethane	22.317	22.310	0.006	19287028	5.111	5.111
Chlorobenzene	24.194	24.188	0.006	12443378	5.050	5.050
Bromoform	26.735	26.730	0.005	11852763	5.112	5.112
1,1,2,2-Tetrachloroethane	28.253	28.249	0.004	19050393	5.107	5.107
1,3-Dichlorobenzene	31.280	31.278	0.001	16375570	5.132	5.132
1,4-Dichlorobenzene	31.566	31.565	0.001	17504896	5.067	5.067
1,2-Dichlorobenzene	32.749	32.749	0.000	16213451	5.022	5.022
Bromochloromethane(sur)	12.248	12.236	0.011	20334928	5.306	5.306

306689

Data File: /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/held7673.d Page 1
Report Date 02/28/2000 10:52



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : HSTD010
Lab ID : HSTD010
Inj Date : 25-FEB-2000 13:55
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

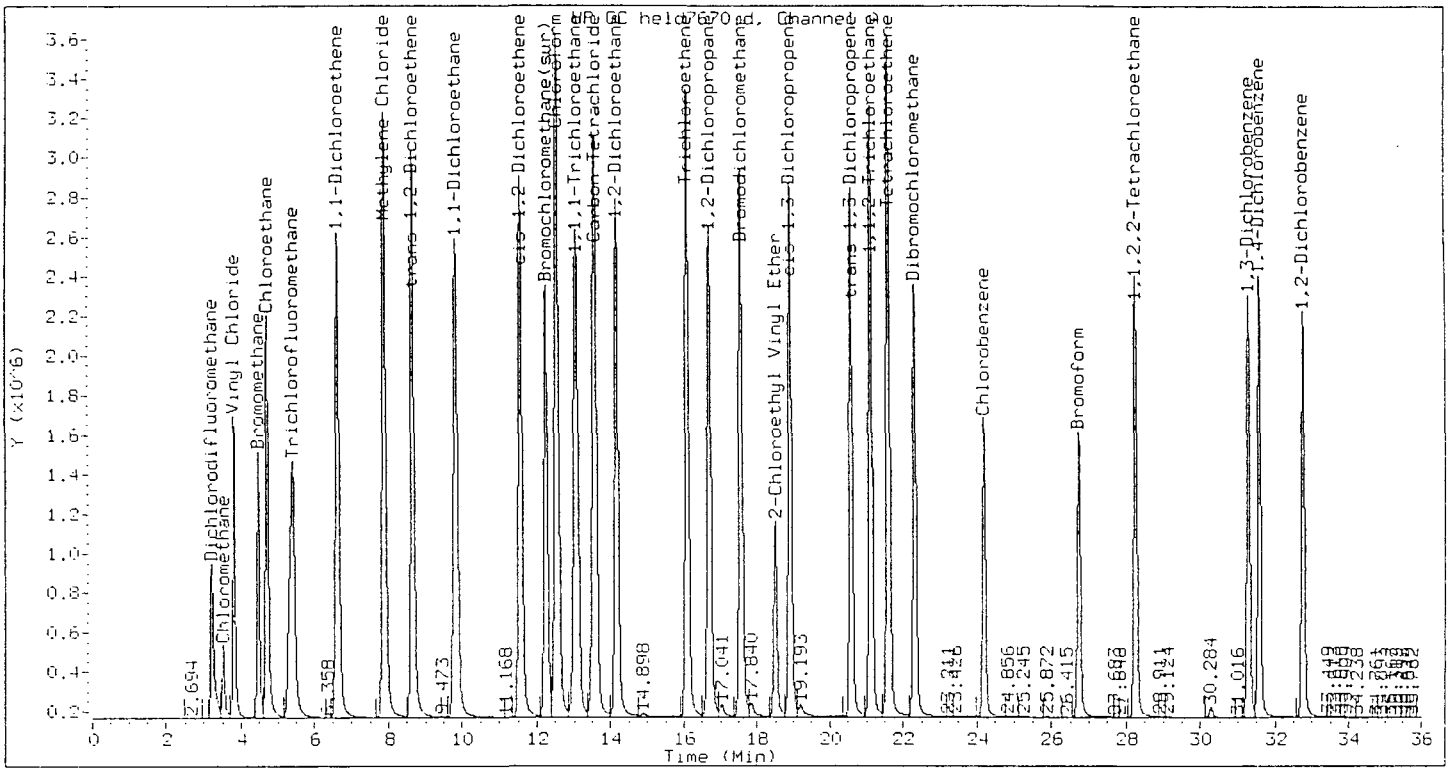
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.207	3.198	0.008	11400663	10.286	10.286
Chloromethane	3.518	3.522	0.004	4734992	9.946	9.946
Vinyl Chloride	3.805	3.804	0.001	17965029	10.081	10.081
Bromomethane	4.480	4.457	0.023	17407753	10.656	10.656
Chloroethane	4.716	4.691	0.025	32569779	10.347	10.347
Trichlorofluoromethane	5.402	5.392	0.010	29332495	9.864	9.864
1,1-Dichloroethene	6.633	6.618	0.014	47430097	10.275	10.275
Methylene Chloride	7.882	7.869	0.013	58974049	9.941	9.941
trans-1,2-Dichloroethene	8.654	8.637	0.017	53391072	10.211	10.211

306690

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.830	9.816	0.015	55908216	10.257	10.257
cis-1,2-Dichloroethene	11.566	11.553	0.013	53910135	10.275	10.275
Chloroform	12.541	12.530	0.011	74064847	10.130	10.130
1,1,1-Trichloroethane	13.059	13.047	0.012	60929848	10.128	10.128
Carbon Tetrachloride	13.571	13.559	0.013	70808292	10.139	10.139
1,2-Dichloroethane	14.172	14.161	0.012	51359494	10.147	10.147
Trichloroethene	16.102	16.090	0.012	59703563	10.178	10.178
1,2-Dichloropropane	16.705	16.695	0.010	50132693	10.143	10.143
Bromodichloromethane	17.565	17.556	0.009	51350545	10.193	10.193
2-Chloroethyl Vinyl Ether	18.508	18.500	0.008	17687819	10.363	10.363
cis-1,3-Dichloropropene	18.912	18.904	0.008	47132131	10.139	10.139
trans-1,3-Dichloropropene	20.588	20.582	0.007	43119435	10.168	10.168
1,1,2-Trichloroethane	21.122	21.115	0.007	55656826	10.089	10.089
Tetrachloroethene	21.608	21.600	0.008	63727774	10.082	10.082
Dibromochloromethane	22.317	22.310	0.007	39313874	10.311	10.311
Chlorobenzene	24.194	24.188	0.006	24809870	10.052	10.052
Bromoform	26.735	26.730	0.005	23683991	10.160	10.160
1,1,2,2-Tetrachloroethane	28.254	28.249	0.005	37952867	10.130	10.130
1,3-Dichlorobenzene	31.282	31.278	0.004	33384463	10.343	10.343
1,4-Dichlorobenzene	31.568	31.565	0.004	35540249	10.214	10.214
1,2-Dichlorobenzene	32.752	32.749	0.003	33013362	10.168	10.168
Bromochloromethane(sur)	12.249	12.236	0.013	40863766	10.490	10.490

306691

Data File: /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/held7670.d Page 1
Report Date 02/28/2000 10:52



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : HSTD020
Lab ID : HSTD020 Inst ID : VOAGC2.i
Inj Date : 25-FEB-2000 11:45 Dil Factor : 1
Operator : SP Sample Matrix : SOIL
Cpnd Sublist: 601 Sample Type: CALIB_4

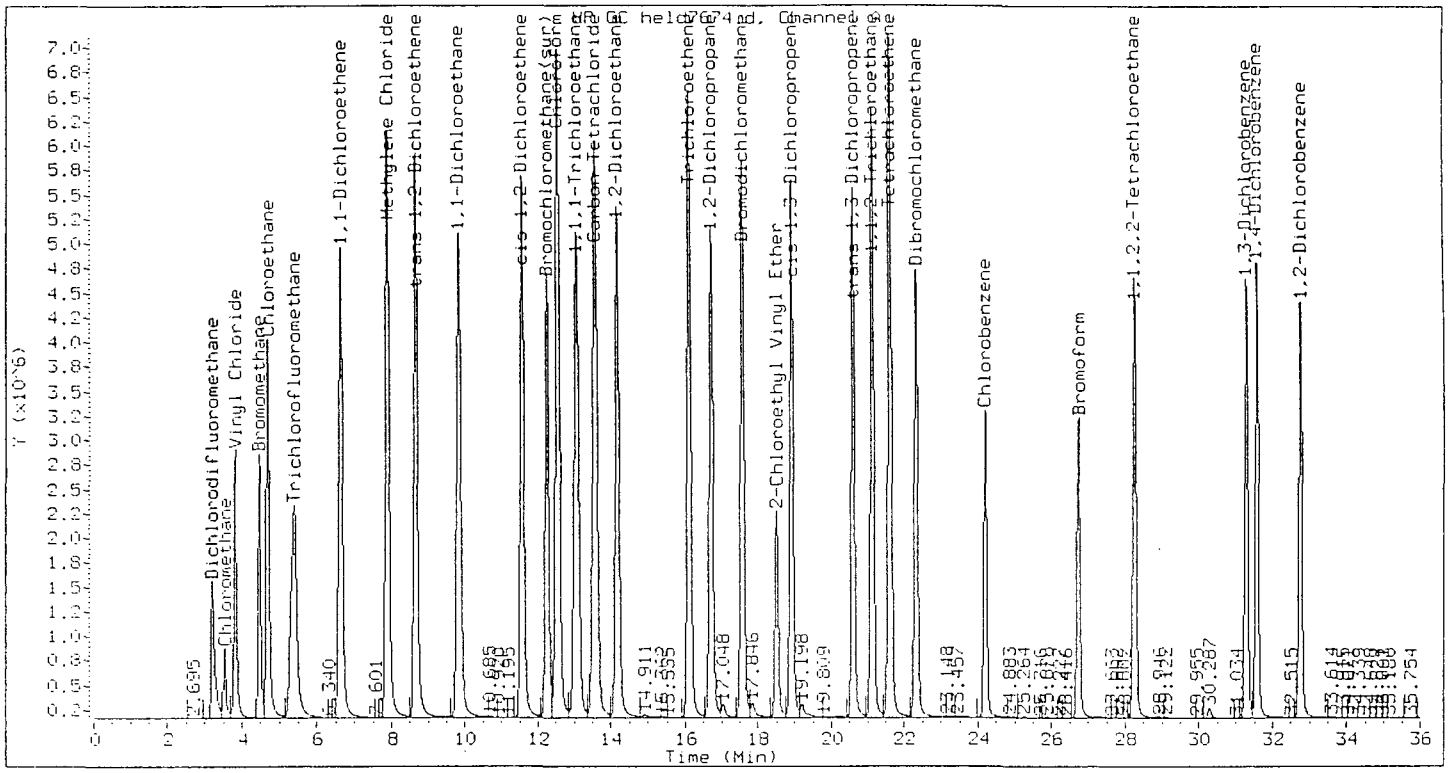
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.198	3.198	0.000	23821149	20.000	20.000
Chloromethane	3.522	3.522	0.000	8456943	20.000	20.000
Vinyl Chloride	3.804	3.804	0.000	32268249	20.000	20.000
Bromomethane	4.457	4.457	0.000	29240103	20.000	20.000
Chloroethane	4.691	4.691	0.000	58644725	20.000	20.000
Trichlorofluoromethane	5.392	5.392	0.000	68642474	20.000	20.000
1,1-Dichloroethene	6.618	6.618	0.000	86198028	20.000	20.000
Methylene Chloride	7.869	7.869	0.000	105216338	20.000	20.000
trans-1,2-Dichloroethene	8.637	8.637	0.000	94496233	20.000	20.000

306692

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.816	9.816	0.000	98605141	20.000	20.000
cis-1,2-Dichloroethene	11.553	11.553	0.000	94764087	20.000	20.000
Chloroform	12.530	12.530	0.000	128608131	20.000	20.000
1,1,1-Trichloroethane	13.047	13.047	0.000	109472142	20.000	20.000
Carbon Tetrachloride	13.559	13.559	0.000	126667398	20.000	20.000
1,2-Dichloroethane	14.161	14.161	0.000	91047377	20.000	20.000
Trichloroethene	16.090	16.090	0.000	106593957	20.000	20.000
1,2-Dichloropropane	16.695	16.695	0.000	89434392	20.000	20.000
Bromodichloromethane	17.556	17.556	0.000	91612018	20.000	20.000
2-Chloroethyl Vinyl Ether	18.500	18.500	0.000	31263824	20.000	20.000
cis-1,3-Dichloropropene	18.904	18.904	0.000	83355073	20.000	20.000
trans-1,3-Dichloropropene	20.582	20.582	0.000	77232451	20.000	20.000
1,1,2-Trichloroethane	21.115	21.115	0.000	98495704	20.000	20.000
Tetrachloroethene	21.600	21.600	0.000	112816706	20.000	20.000
Dibromochloromethane	22.310	22.310	0.000	69531200	20.000	20.000
Chlorobenzene	24.188	24.188	0.000	45253287	20.000	20.000
Bromoform	26.730	26.730	0.000	43939107	20.000	20.000
1,1,2,2-Tetrachloroethane	28.249	28.249	0.000	67829834	20.000	20.000
1,3-Dichlorobenzene	31.278	31.278	0.000	59709800	20.000	20.000
1,4-Dichlorobenzene	31.565	31.565	0.000	63652215	20.000	20.000
1,2-Dichlorobenzene	32.749	32.749	0.000	59638939	20.000	20.000
Bromochloromethane(sur)	12.236	12.236	0.000	71344805	20.000	20.000

306693

Data File: /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/held7674.d Page 1
Report Date 02/28/2000 10:53



Method : /chem/VOAGC2.i/8021EHIGH/02-25-00/25FEB00.b/8021BEHIGH.m
Sample Info : HSTD040
Lab ID : HSTD040
Inj Date : 25-FEB-2000 14:39
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_5

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.202	3.198	0.004	44520156	40.135	40.135
Chloromethane	3.535	3.522	0.013	18394625	38.902	38.902
Vinyl Chloride	3.816	3.804	0.011	66952504	38.032	38.032
Bromomethane	4.461	4.457	0.003	60137649	37.408	37.408
Chloroethane	4.680	4.691	0.011	117279374	37.777	37.777
Trichlorofluoromethane	5.391	5.392	0.001	124598876	41.506	41.506
1,1-Dichloroethene	6.628	6.618	0.010	174181293	38.165	38.165
Methylene Chloride	7.880	7.869	0.011	214028017	36.801	36.801
trans-1,2-Dichloroethene	8.648	8.637	0.011	195447239	37.876	37.876

306694

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.827	9.816	0.011	202288053	37.657	37.657
cis-1,2-Dichloroethene	11.563	11.553	0.010	194650575	37.646	37.646
Chloroform	12.540	12.530	0.010	262111303	36.610	36.610
1,1,1-Trichloroethane	13.056	13.047	0.009	223227525	37.650	37.650
Carbon Tetrachloride	13.568	13.559	0.009	257524033	37.460	37.460
1,2-Dichloroethane	14.168	14.161	0.008	184199906	37.062	37.062
Trichloroethene	16.099	16.090	0.009	218676895	37.793	37.793
1,2-Dichloropropane	16.703	16.695	0.008	182833468	37.556	37.556
Bromodichloromethane	17.563	17.556	0.007	189693528	38.101	38.101
2-Chloroethyl Vinyl Ether	18.505	18.500	0.006	66345534	39.093	39.093
cis-1,3-Dichloropropene	18.910	18.904	0.006	170588230	37.314	37.314
trans-1,3-Dichloropropene	20.587	20.582	0.005	157876568	37.753	37.753
1,1,2-Trichloroethane	21.121	21.115	0.006	200518264	37.025	37.025
Tetrachloroethene	21.607	21.600	0.007	231600708	37.267	37.267
Dibromochloromethane	22.317	22.310	0.007	144819147	38.368	38.368
Chlorobenzene	24.193	24.188	0.005	93214551	38.193	38.193
Bromoform	26.734	26.730	0.004	92265847	39.662	39.662
1,1,2,2-Tetrachloroethane	28.253	28.249	0.004	136851374	37.172	37.172
1,3-Dichlorobenzene	31.282	31.278	0.004	126546462	39.363	39.363
1,4-Dichlorobenzene	31.568	31.565	0.003	122779271	38.515	38.515
1,2-Dichlorobenzene	32.753	32.749	0.004	123515299	38.417	38.417
Bromochloromethane(sur)	12.246	12.236	0.010	149465114	38.683	38.683

306695

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/28/00 02/28/00

Calibration Time(s): 0854 1200

LAB FILE ID: RRF1: HELD7702 RRF5: HELD7703 RRF10: HELD7704
RRF20: HELD7701 RRF40: HELD7705

COMPOUND	RRF1	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	1197185	1115682	1231801	1323164	1195880
Chloromethane	682884	633311	686030	601320	655219
Vinyl Chloride	2024561	1897663	2005903	1838955	1871313
Bromomethane	1658234	1697158	1846600	1506989	1596952
Chloroethane	3218686	3279951	3530844	3180324	3023136
Trichlorofluoromethane	2841371	2719899	3110630	3513430	3133609
1,1-Dichloroethene	4929961	5069260	5123695	4565213	4591748
Methylene Chloride	7032216	6376196	6325143	5597043	5613055
trans-1,2-Dichloroethene	5318894	5728538	5795120	5076954	5174108
1,1-Dichloroethane	5723927	5908672	5911593	5250089	5356513
cis-1,2-Dichloroethene	5282467	5927636	5827446	5172089	5190517
Chloroform	7863362	8038051	7862676	6866170	7015924
1,1,1-Trichloroethane	6369686	6659603	6643968	5804489	5950811
Carbon Tetrachloride	7539387	7702273	7632679	6761632	6797530
1,2-Dichloroethane	5452907	5718336	5631626	4919515	5010270
Trichloroethene	6443847	6829200	6739616	5907955	5966590
1,2-Dichloropropane	5313537	5534885	5465792	4772002	4934868
Bromodichloromethane	5243036	5634567	5476925	4792357	5043109
2-Chloroethyl Vinyl Ether	1680023	1758159	1886061	1621103	1749365
cis-1,3-Dichloropropene	4964294	5084512	5111203	4361168	4504340
trans-1,3-Dichloropropene	4342916	4629427	4621913	3903800	4120518
1,1,2-Trichloroethane	5904046	6146619	5983072	5059377	5268076
Tetrachloroethene	7288912	7377427	7241549	6210893	6319144
Dibromochloromethane	4098022	4053691	4158158	3527118	3732258
Chlorobenzene	2938548	2744272	2812614	2408985	2543061
Bromoform	2010864	2454964	2517904	2166723	2328994
1,1,2,2-Tetrachloroethane	3846953	4001764	4029352	3442176	3606237
1,3-Dichlorobenzene	3497805	3619372	3687914	3201085	3397556
1,4-Dichlorobenzene	3811900	3968656	3905197	3398444	3512943
1,2-Dichlorobenzene	3518081	3573009	3575325	3172461	3231230
Bromochloromethane(sur)	3743315	4094299	4218697	3746089	3967198

306696

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/28/00 02/28/00

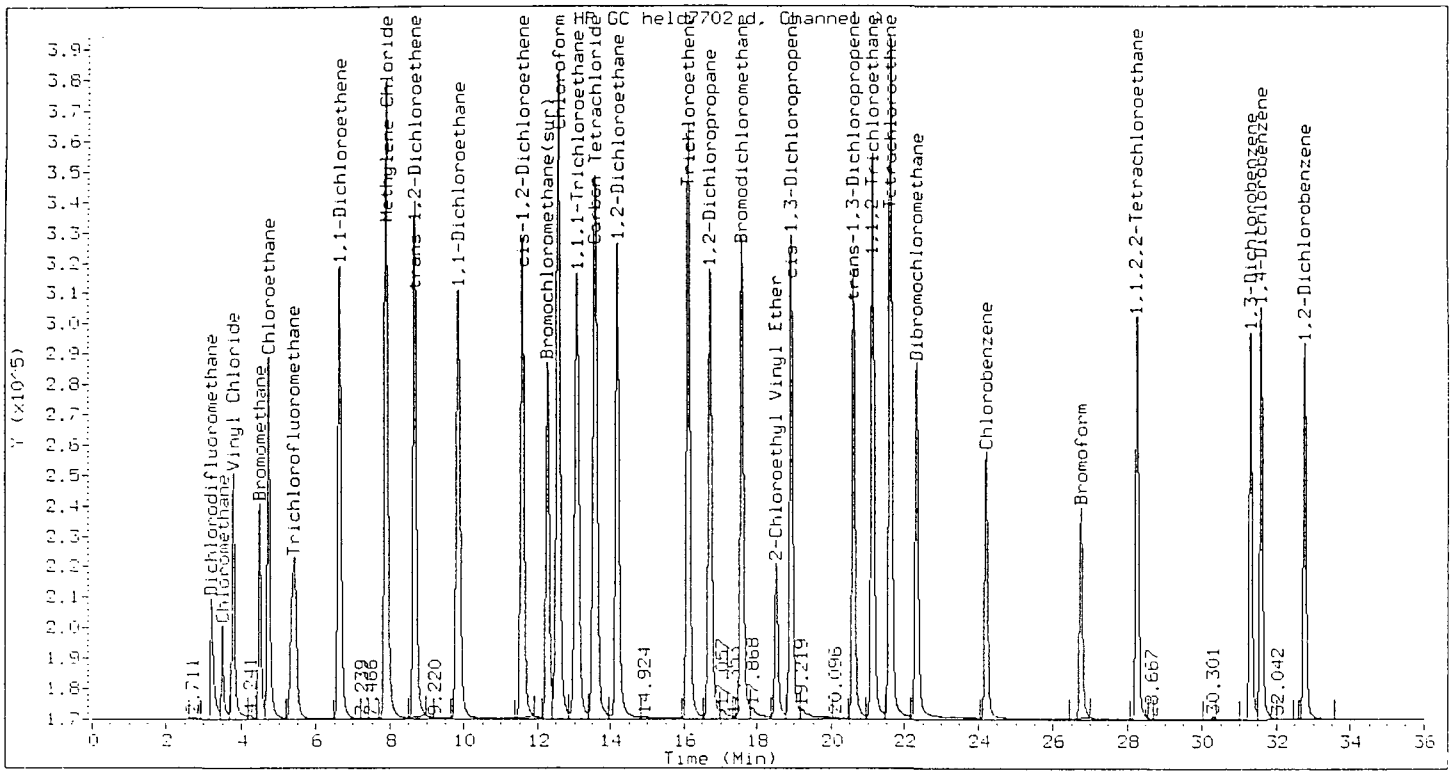
Calibration Time(s): 0854 1200

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dichlorodifluoromethane	AVRG	1212742	6.2*
Chloromethane	AVRG	651753	5.4*
Vinyl Chloride	AVRG	1927679	4.3*
Bromomethane	AVRG	1661186	7.6*
Chloroethane	AVRG	3246588	5.7*
Trichlorofluoromethane	AVRG	3063788	10*
1,1-Dichloroethene	AVRG	4855975	5.4*
Methylene Chloride	AVRG	6188730	9.7*
trans-1,2-Dichloroethene	AVRG	5418723	6.0*
1,1-Dichloroethane	AVRG	5630159	5.5*
cis-1,2-Dichloroethene	AVRG	5480031	6.7*
Chloroform	AVRG	7529236	7.2*
1,1,1-Trichloroethane	AVRG	6285711	6.2*
Carbon Tetrachloride	AVRG	7286700	6.4*
1,2-Dichloroethane	AVRG	5346531	6.8*
Trichloroethene	AVRG	6377442	6.7*
1,2-Dichloropropane	AVRG	5204217	6.4*
Bromodichloromethane	AVRG	5237999	6.4*
2-Chloroethyl Vinyl Ether	AVRG	1738942	5.7*
cis-1,3-Dichloropropene	AVRG	4805103	7.2*
trans-1,3-Dichloropropene	AVRG	4323715	7.3*
1,1,2-Trichloroethane	AVRG	5672238	8.4*
Tetrachloroethene	AVRG	6887585	8.3*
Dibromochloromethane	AVRG	3913849	6.9*
Chlorobenzene	AVRG	2689496	7.9*
Bromoform	AVRG	2295890	9.1*
1,1,2,2-Tetrachloroethane	AVRG	3785296	6.7*
1,3-Dichlorobenzene	AVRG	3480746	5.5*
1,4-Dichlorobenzene	AVRG	3719428	6.7*
1,2-Dichlorobenzene	AVRG	3414021	5.7*
Bromochloromethane(sur)	AVRG	3953920	5.3*

* Compounds with required maximum %RSD values.

306697

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7702.d Page 1
Report Date 02/29/2000 09:47



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : HSTD001
Lab ID : HSTD001
Inj Date : 28-FEB-2000 09:51
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_1

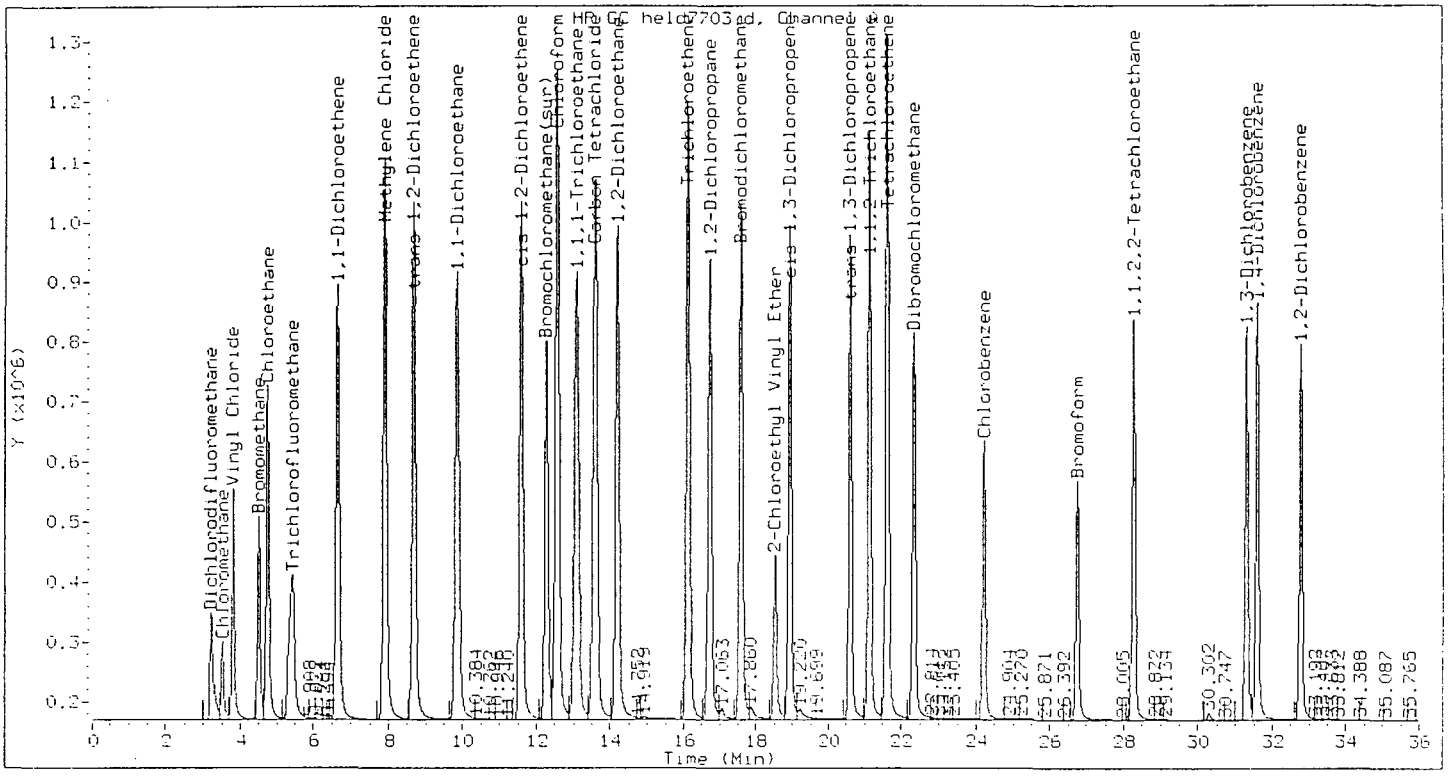
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.208	3.199	0.008	1197185	0.950	0.950
Chloromethane	3.500	3.515	0.015	682884	1.064	1.064
Vinyl Chloride	3.785	3.806	0.020	2024561	1.048	1.048
Bromomethane	4.479	4.454	0.025	1658234	1.048	1.048
Chloroethane	4.719	4.690	0.029	3218686	1.006	1.006
Trichlorofluoromethane	5.404	5.400	0.004	2841371	0.894	0.894
1,1-Dichloroethene	6.629	6.623	0.006	4929961	1.038	1.038
Methylene Chloride	7.881	7.875	0.007	7032216	1.114	1.114
trans-1,2-Dichloroethene	8.654	8.643	0.011	5318894	1.023	1.023

306698

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.830	9.822	0.008	5723927	1.043	1.043
cis-1,2-Dichloroethene	11.569	11.560	0.010	5282467	1.011	1.011
Chloroform	12.544	12.536	0.008	7863362	1.068	1.068
1,1,1-Trichloroethane	13.063	13.054	0.009	6369686	1.046	1.046
Carbon Tetrachloride	13.576	13.566	0.010	7539387	1.054	1.054
1,2-Dichloroethane	14.176	14.168	0.009	5452907	1.051	1.051
Trichloroethene	16.107	16.099	0.008	6443847	1.043	1.043
1,2-Dichloropropane	16.710	16.704	0.007	5313537	1.054	1.054
Bromodichloromethane	17.571	17.565	0.006	5243036	1.045	1.045
2-Chloroethyl Vinyl Ether	18.518	18.509	0.009	1680023	1.018	1.018
cis-1,3-Dichloropropene	18.919	18.913	0.006	4964294	1.065	1.065
trans-1,3-Dichloropropene	20.598	20.591	0.007	4342916	1.053	1.053
1,1,2-Trichloroethane	21.130	21.125	0.005	5904046	1.077	1.077
Tetrachloroethene	21.614	21.610	0.004	7288912	1.080	1.080
Dibromochloromethane	22.327	22.321	0.006	4098022	1.075	1.075
Chlorobenzene	24.203	24.199	0.004	2938548	1.099	1.099
Bromoform	26.749	26.742	0.007	2010864	0.963	0.963
1,1,2,2-Tetrachloroethane	28.265	28.260	0.004	3846953	1.056	1.056
1,3-Dichlorobenzene	31.294	31.289	0.005	3497805	1.044	1.044
1,4-Dichlorobenzene	31.580	31.576	0.005	3811900	1.057	1.057
1,2-Dichlorobenzene	32.765	32.760	0.005	3518081	1.052	1.052
Bromochloromethane(sur)	12.253	12.243	0.010	3743315	1.000	1.000

306699

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7703.d Page 1
Report Date 02/29/2000 09:47



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : HSTD005
Lab ID : HSTD005
Inj Date : 28-FEB-2000 10:34
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_2

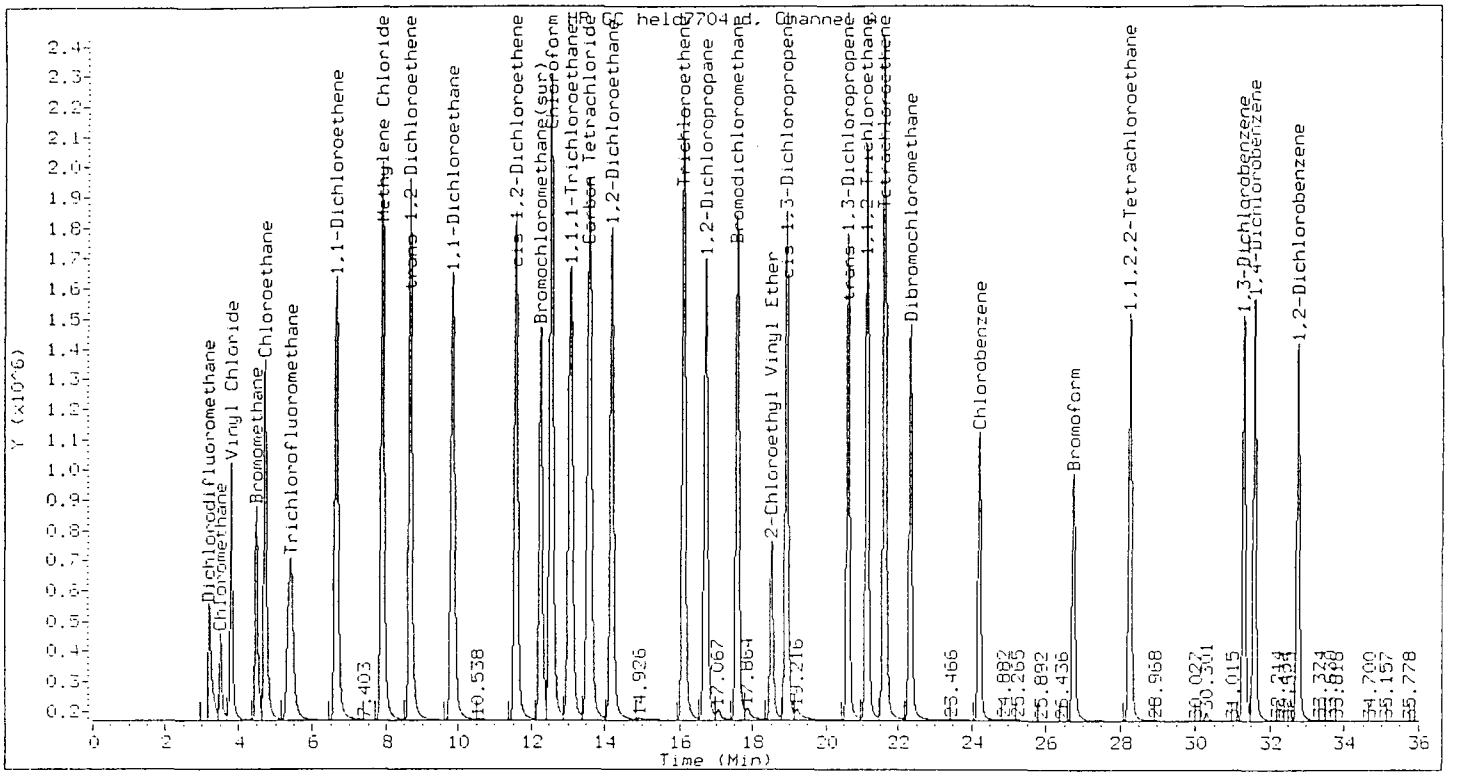
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.214	3.199	0.015	5578408	4.603	4.603
Chloromethane	3.513	3.515	0.003	3166556	4.954	4.954
Vinyl Chloride	3.806	3.806	0.000	9488316	4.941	4.941
Bromomethane	4.487	4.454	0.033	8485788	5.236	5.236
Chloroethane	4.727	4.690	0.037	16399753	5.083	5.083
Trichlorofluoromethane	5.414	5.400	0.014	13599493	4.496	4.496
1,1-Dichloroethene	6.642	6.623	0.019	25346301	5.221	5.221
Methylene Chloride	7.892	7.875	0.017	31880979	5.032	5.032
trans-1,2-Dichloroethene	8.665	8.643	0.022	28642691	5.329	5.329

306700

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.842	9.822	0.020	29543358	5.250	5.250
cis-1,2-Dichloroethene	11.578	11.560	0.018	29638182	5.428	5.428
Chloroform	12.552	12.536	0.016	40190253	5.296	5.296
1,1,1-Trichloroethane	13.071	13.054	0.017	33298013	5.304	5.304
Carbon Tetrachloride	13.582	13.566	0.017	38511363	5.251	5.251
1,2-Dichloroethane	14.184	14.168	0.016	28591681	5.331	5.331
Trichloroethene	16.113	16.099	0.014	34146002	5.341	5.341
1,2-Dichloropropane	16.717	16.704	0.013	27674425	5.315	5.315
Bromodichloromethane	17.577	17.565	0.012	28172833	5.394	5.394
2-Chloroethyl Vinyl Ether	18.521	18.509	0.012	8790795	5.213	5.213
cis-1,3-Dichloropropene	18.925	18.913	0.012	25422559	5.293	5.293
trans-1,3-Dichloropropene	20.601	20.591	0.011	23147135	5.393	5.393
1,1,2-Trichloroethane	21.134	21.125	0.010	30733094	5.389	5.389
Tetrachloroethene	21.620	21.610	0.011	36887133	5.301	5.301
Dibromochloromethane	22.330	22.321	0.009	20268453	5.206	5.206
Chlorobenzene	24.207	24.199	0.007	13721362	5.087	5.087
Bromoform	26.751	26.742	0.009	12274820	5.552	5.552
1,1,2,2-Tetrachloroethane	28.267	28.260	0.007	20008820	5.316	5.316
1,3-Dichlorobenzene	31.297	31.289	0.008	18096860	5.262	5.262
1,4-Dichlorobenzene	31.582	31.576	0.007	19843280	5.325	5.325
1,2-Dichlorobenzene	32.767	32.760	0.007	17865045	5.222	5.222
Bromochloromethane(sur)	12.261	12.243	0.018	20471495	5.302	5.302

306701

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7704.d Page 1
Report Date 02/29/2000 09:47



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : HSTD010
Lab ID : HSTD010
Inj Date : 28-FEB-2000 11:17
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

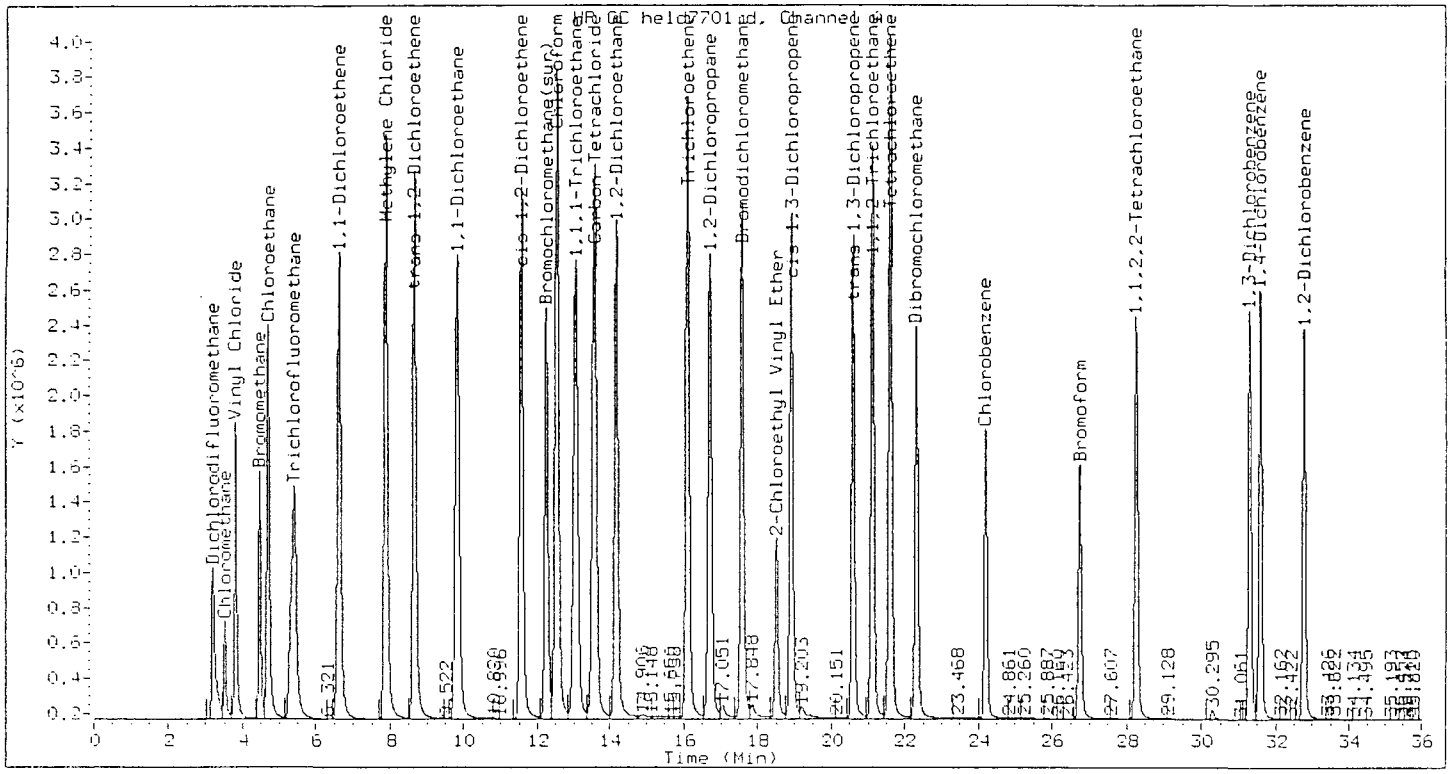
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.216	3.199	0.016	12318008	10.122	10.122
Chloromethane	3.521	3.515	0.006	6860304	10.540	10.540
Vinyl Chloride	3.814	3.806	0.008	20059030	10.330	10.330
Bromomethane	4.485	4.454	0.030	18465999	11.010	11.010
Chloroethane	4.725	4.690	0.035	35308443	10.692	10.692
Trichlorofluoromethane	5.417	5.400	0.017	31106297	10.211	10.211
1,1-Dichloroethene	6.645	6.623	0.021	51236947	10.410	10.410
Methylene Chloride	7.895	7.875	0.021	63251426	9.988	9.988
trans-1,2-Dichloroethene	8.666	8.643	0.023	57951200	10.575	10.575

306702

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.842	9.822	0.020	59115932	10.374	10.374
cis-1,2-Dichloroethene	11.579	11.560	0.020	58274464	10.495	10.495
Chloroform	12.554	12.536	0.018	78626760	10.268	10.268
1,1,1-Trichloroethane	13.073	13.054	0.018	66439675	10.431	10.431
Carbon Tetrachloride	13.585	13.566	0.019	76326787	10.302	10.302
1,2-Dichloroethane	14.186	14.168	0.019	56316258	10.370	10.370
Trichloroethene	16.115	16.099	0.016	67396164	10.400	10.400
1,2-Dichloropropane	16.720	16.704	0.016	54657924	10.368	10.368
Bromodichloromethane	17.579	17.565	0.014	54769254	10.360	10.360
2-Chloroethyl Vinyl Ether	18.522	18.509	0.013	18860614	10.862	10.862
cis-1,3-Dichloropropene	18.926	18.913	0.012	51112032	10.473	10.473
trans-1,3-Dichloropropene	20.602	20.591	0.011	46219134	10.566	10.566
1,1,2-Trichloroethane	21.136	21.125	0.011	59830724	10.363	10.363
Tetrachloroethene	21.621	21.610	0.011	72415494	10.301	10.301
Dibromochloromethane	22.331	22.321	0.010	41581582	10.502	10.502
Chlorobenzene	24.208	24.199	0.009	28126145	10.317	10.317
Bromoform	26.749	26.742	0.007	25179043	11.007	11.007
1,1,2,2-Tetrachloroethane	28.266	28.260	0.005	40293523	10.520	10.520
1,3-Dichlorobenzene	31.294	31.289	0.005	36879141	10.532	10.532
1,4-Dichlorobenzene	31.580	31.576	0.005	39051972	10.356	10.356
1,2-Dichlorobenzene	32.765	32.760	0.004	35753250	10.334	10.334
Bromochloromethane(sur)	12.262	12.243	0.019	42186971	10.679	10.679

306703

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7701.d Page 1
Report Date 02/29/2000 09:47



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : HSTD020
Lab ID : HSTD020 Inst ID : VOAGC2.i
Inj Date : 28-FEB-2000 08:54 Dil Factor : 1
Operator : SP Sample Matrix : SOIL
Cpnd Sublist: 601 Sample Type: CALIB_4

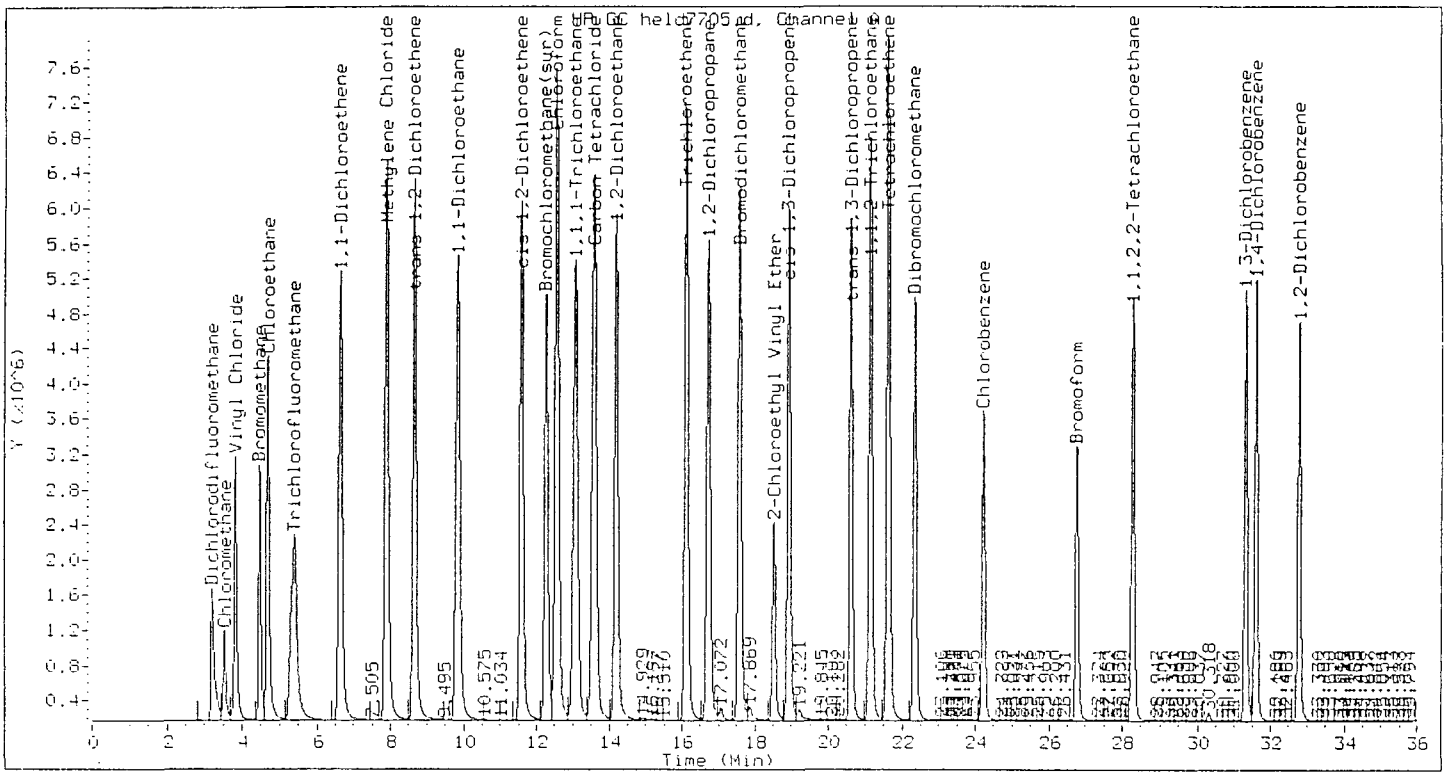
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.199	3.199	0.000	26463279	20.000	20.000
Chloromethane	3.515	3.515	0.000	12026400	20.000	20.000
Vinyl Chloride	3.806	3.806	0.000	36779104	20.000	20.000
Bromomethane	4.454	4.454	0.000	30139781	20.000	20.000
Chloroethane	4.690	4.690	0.000	63606473	20.000	20.000
Trichlorofluoromethane	5.400	5.400	0.000	70268592	20.000	20.000
1,1-Dichloroethene	6.623	6.623	0.000	91304266	20.000	20.000
Methylene Chloride	7.875	7.875	0.000	111940866	20.000	20.000
trans-1,2-Dichloroethene	8.643	8.643	0.000	101539088	20.000	20.000

306704

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.822	9.822	0.000	105001774	20.000	20.000
cis-1,2-Dichloroethene	11.560	11.560	0.000	103441785	20.000	20.000
Chloroform	12.536	12.536	0.000	137323408	20.000	20.000
1,1,1-Trichloroethane	13.054	13.054	0.000	116089787	20.000	20.000
Carbon Tetrachloride	13.566	13.566	0.000	135232634	20.000	20.000
1,2-Dichloroethane	14.168	14.168	0.000	98390308	20.000	20.000
Trichloroethene	16.099	16.099	0.000	118159108	20.000	20.000
1,2-Dichloropropane	16.704	16.704	0.000	95440034	20.000	20.000
Bromodichloromethane	17.565	17.565	0.000	95847142	20.000	20.000
2-Chloroethyl Vinyl Ether	18.509	18.509	0.000	32422056	20.000	20.000
cis-1,3-Dichloropropene	18.913	18.913	0.000	87223351	20.000	20.000
trans-1,3-Dichloropropene	20.591	20.591	0.000	78075994	20.000	20.000
1,1,2-Trichloroethane	21.125	21.125	0.000	101187535	20.000	20.000
Tetrachloroethene	21.610	21.610	0.000	124217862	20.000	20.000
Dibromochloromethane	22.321	22.321	0.000	70542357	20.000	20.000
Chlorobenzene	24.199	24.199	0.000	48179704	20.000	20.000
Bromoform	26.742	26.742	0.000	43334468	20.000	20.000
1,1,2,2-Tetrachloroethane	28.260	28.260	0.000	68843511	20.000	20.000
1,3-Dichlorobenzene	31.289	31.289	0.000	64021701	20.000	20.000
1,4-Dichlorobenzene	31.576	31.576	0.000	67968891	20.000	20.000
1,2-Dichlorobenzene	32.760	32.760	0.000	63449219	20.000	20.000
Bromochloromethane(sur)	12.243	12.243	0.000	74921775	20.000	20.000

306705

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7705.d Page 1
Report Date 02/29/2000 09:47



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : HSTD040
Lab ID : HSTD040
Inj Date : 28-FEB-2000 12:00
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_5

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.205	3.199	0.005	47835207	39.444	39.444
Chloromethane	3.534	3.515	0.018	26208755	40.213	40.213
Vinyl Chloride	3.820	3.806	0.014	74852522	38.830	38.830
Bromomethane	4.463	4.454	0.009	63878067	38.453	38.453
Chloroethane	4.679	4.690	0.011	120925435	37.247	37.247
Trichlorofluoromethane	5.399	5.400	0.001	125344378	40.912	40.912
1,1-Dichloroethene	6.637	6.623	0.013	183669900	37.823	37.823
Methylene Chloride	7.889	7.875	0.015	224522204	36.279	36.279
trans-1,2-Dichloroethene	8.659	8.643	0.016	206964320	38.194	38.194

306706

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.839	9.822	0.017	214260535	38.056	38.056
cis-1,2-Dichloroethene	11.575	11.560	0.016	207620675	37.887	37.887
Chloroform	12.555	12.536	0.019	280636956	37.273	37.273
1,1,1-Trichloroethane	13.073	13.054	0.019	238032434	37.869	37.869
Carbon Tetrachloride	13.584	13.566	0.019	271901219	37.315	37.315
1,2-Dichloroethane	14.187	14.168	0.020	200410813	37.484	37.484
Trichloroethene	16.118	16.099	0.020	238663617	37.423	37.423
1,2-Dichloropropane	16.724	16.704	0.021	197394738	37.930	37.930
Bromodichloromethane	17.586	17.565	0.021	201724359	38.512	38.512
2-Chloroethyl Vinyl Ether	18.527	18.509	0.019	69974587	40.240	40.240
cis-1,3-Dichloropropene	18.934	18.913	0.020	180173597	37.496	37.496
trans-1,3-Dichloropropene	20.610	20.591	0.020	164820717	38.120	38.120
1,1,2-Trichloroethane	21.145	21.125	0.021	210723036	37.150	37.150
Tetrachloroethene	21.631	21.610	0.022	252765776	36.699	36.699
Dibromochloromethane	22.343	22.321	0.021	149290338	38.144	38.144
Chlorobenzene	24.220	24.199	0.021	101722442	37.822	37.822
Bromoform	26.764	26.742	0.022	93159745	40.577	40.577
1,1,2,2-Tetrachloroethane	28.281	28.260	0.021	144249470	38.108	38.108
1,3-Dichlorobenzene	31.313	31.289	0.024	135902259	39.044	39.044
1,4-Dichlorobenzene	31.599	31.576	0.023	140517713	37.779	37.779
1,2-Dichlorobenzene	32.784	32.760	0.024	129249209	37.858	37.858
Bromochloromethane(sur)	12.260	12.243	0.017	158687940	40.134	40.134

306707

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Instrument ID: VOAGC2 Calibration Date: 02/28/00 Time: 2049

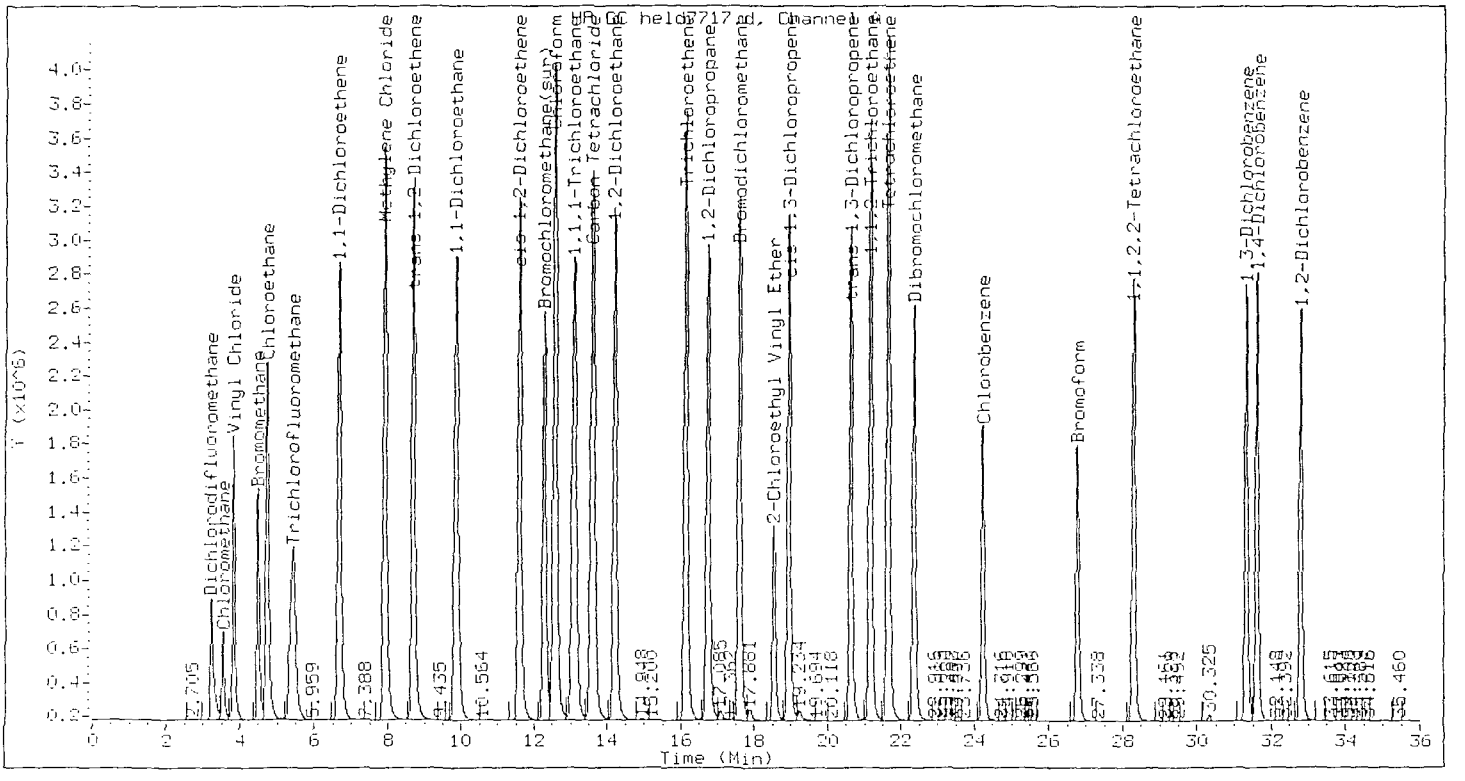
Lab File ID: HELD7717 Init. Calib. Date(s): 02/28/00 02/28/00

Heated Purge: (Y/N) N Init. Calib. Times: 0854 1200

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1212742.3	1108945.4		8.6	15.0
Chloromethane	651752.90	624648.30		4.2	15.0
Vinyl Chloride	1927679.1	1839341.6		4.6	15.0
Bromomethane	1661186.5	1575273.9		5.2	15.0
Chloroethane	3246588.1	3194307.0		1.6	15.0
Trichlorofluoromethane	3063787.7	2787401.7		9.0	15.0
1,1-Dichloroethene	4855975.3	4596522.8		5.3	15.0
Methylene Chloride	6188730.6	5741959.5		7.2	15.0
trans-1,2-Dichloroethene	5418722.9	5107193.1		5.7	15.0
1,1-Dichloroethane	5630158.8	5349812.8		5.0	15.0
cis-1,2-Dichloroethene	5480031.2	5260706.2		4.0	15.0
Chloroform	7529236.6	7198172.5		4.4	15.0
1,1,1-Trichloroethane	6285711.2	5965894.1		5.1	15.0
Carbon Tetrachloride	7286700.1	6858728.2		5.9	15.0
1,2-Dichloroethane	5346530.9	5136811.4		3.9	15.0
Trichloroethene	6377441.9	5931594.3		7.0	15.0
1,2-Dichloropropane	5204216.9	4988997.0		4.1	15.0
Bromodichloromethane	5237998.8	5025625.5		4.0	15.0
2-Chloroethyl Vinyl Ether	1738942.2	1735739.4		0.2	15.0
cis-1,3-Dichloropropene	4805103.3	4501848.9		6.3	15.0
trans-1,3-Dichloropropene	4323714.8	4131184.5		4.4	15.0
1,1,2-Trichloroethane	5672238.0	5506283.2		2.9	15.0
Tetrachloroethene	6887585.1	6401483.6		7.0	15.0
Dibromochloromethane	3913849.4	3742192.3		4.4	15.0
Chlorobenzene	2689496.2	2474639.3		8.0	15.0
Bromoform	2295889.9	2361411.8		-2.8	15.0
1,1,2,2-Tetrachloroethane	3785296.3	3824899.7		-1.0	15.0
1,3-Dichlorobenzene	3480746.5	3495551.0		-0.0	15.0
1,4-Dichlorobenzene	3719428.1	3617568.1		2.7	15.0
1,2-Dichlorobenzene	3414021.2	3368716.1		1.3	15.0
Bromochloromethane(sur)	3953919.7	3844650.0		2.8	15.0

306708

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/held7717.d Page 1
Report Date 02/29/2000 09:48



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00A.b/8021BEHIGH.m
Sample Info : HSTD020A
Lab ID : HSTD020A
Inj Date : 28-FEB-2000 20:49
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CCALIB_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.216	3.217	0.001	22178903	18.288	18.288
Chloromethane	3.532	3.533	0.001	12492966	19.168	19.168
Vinyl Chloride	3.824	3.825	0.001	36786831	19.083	19.083
Bromomethane	4.475	4.476	0.000	31505477	18.966	18.966
Chloroethane	4.720	4.719	0.001	63886140	19.678	19.678
Trichlorofluoromethane	5.421	5.422	0.001	55748034	18.196	18.196
1,1-Dichloroethene	6.656	6.656	0.001	91930457	18.931	18.931
Methylene Chloride	7.910	7.908	0.002	114839191	18.556	18.556
trans-1,2-Dichloroethene	8.682	8.679	0.002	102143862	18.850	18.850

306709

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.860	9.860	0.000	106996257	19.004	19.004
cis-1,2-Dichloroethene	11.598	11.597	0.000	105214123	19.200	19.200
Chloroform	12.573	12.573	0.001	143963450	19.121	19.121
1,1,1-Trichloroethane	13.091	13.090	0.002	119317882	18.982	18.982
Carbon Tetrachloride	13.603	13.602	0.001	137174563	18.825	18.825
1,2-Dichloroethane	14.204	14.203	0.001	102736228	19.215	19.215
Trichloroethene	16.133	16.133	0.000	118631886	18.602	18.602
1,2-Dichloropropane	16.737	16.737	0.001	99779939	19.173	19.173
Bromodichloromethane	17.597	17.596	0.001	100512510	19.189	19.189
2-Chloroethyl Vinyl Ether	18.539	18.539	0.000	34714789	19.963	19.963
cis-1,3-Dichloropropene	18.944	18.944	0.000	90036978	18.738	18.738
trans-1,3-Dichloropropene	20.621	20.622	0.000	82623690	19.109	19.109
1,1,2-Trichloroethane	21.154	21.155	0.000	110125665	19.415	19.415
Tetrachloroethene	21.641	21.641	0.000	128029672	18.588	18.588
Dibromochloromethane	22.351	22.351	0.000	74843846	19.123	19.123
Chlorobenzene	24.229	24.229	0.000	49492786	18.402	18.402
Bromoform	26.772	26.772	0.000	47228236	20.571	20.571
1,1,2,2-Tetrachloroethane	28.288	28.289	0.001	76497994	20.209	20.209
1,3-Dichlorobenzene	31.318	31.319	0.001	69911021	20.085	20.085
1,4-Dichlorobenzene	31.604	31.605	0.001	72351362	19.452	19.452
1,2-Dichlorobenzene	32.788	32.790	0.002	67374322	19.735	19.735
Bromochloromethane(sur)	12.281	12.280	0.001	76892999	19.447	19.447

306710

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: SOIL Level: HIGH Lab Job No: X456

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	HG056A	98			0
02	183832	53*			1
03	HG059	93			0
04	183831	89			0
05	183832R1	48*			1
06	183833	92			0
07	183834	93			0
08	183836	93			0
09	183837	89			0
10	183835	87			0
11	183835MS	85			0
12	183835MSD	89			0
13	HG059A	95			0
14	183838	88			0
15	183840	85			0
16	183843	103			0
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

		QC LIMITS
SMC1	= Bromochloromethane(sur	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

306711

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: WATER Level: MED Lab Job No: X456

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	HG056	102			0
02	183842	100			0
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

QC LIMITS

SMC1 = Bromochloromethane(sur (70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8021

Matrix: SOIL

Level: HIGH

Matrix Spike - Lab Sample No.: 183835

MS Sample from Lab Job No: X456

QA Batch: 6958

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Chloromethane	2400	0.00	1800	75	70-130
Vinyl Chloride	2400	0.00	2100	88	70-130
Bromomethane	2400	0.00	2300	96	70-130
Chloroethane	2400	0.00	1800	75	70-130
Trichlorofluoromethane	2400	0.00	1700	71	70-130
1,1-Dichloroethene	2400	0.00	2100	88	70-130
Methylene Chloride	2400	0.00	2000	83	70-130
trans-1,2-Dichloroethene	2400	0.00	2000	83	70-130
1,1-Dichloroethane	2400	0.00	2000	83	70-130
Chloroform	2400	0.00	2200	92	70-130
1,1,1-Trichloroethane	2400	0.00	2100	88	70-130
Carbon Tetrachloride	2400	0.00	2000	83	70-130
1,2-Dichloroethane	2400	0.00	2000	83	70-130
Trichloroethene	2400	360	2300	81	70-130
1,2-Dichloropropane	2400	0.00	2100	88	70-130
Bromodichloromethane	2400	0.00	2200	92	70-130
2-Chloroethyl Vinyl Ethe	2400	0.00	2300	96	70-130
cis-1,3-Dichloropropene	2400	0.00	2100	88	70-130
trans-1,3-Dichloropropen	2400	0.00	2100	88	70-130
1,1,2-Trichloroethane	2400	0.00	2100	88	70-130
Tetrachloroethene	2400	0.00	2100	88	70-130
Dibromochloromethane	2400	0.00	2300	96	70-130
Chlorobenzene	2400	0.00	2000	83	70-130
Bromoform	2400	0.00	2400	100	70-130
1,1,2,2-Tetrachloroethan	2400	0.00	2100	88	70-130
1,3-Dichlorobenzene	2400	0.00	2100	88	70-130
1,4-Dichlorobenzene	2400	0.00	2100	88	70-130
1,2-Dichlorobenzene	2400	0.00	2000	83	70-130

306713

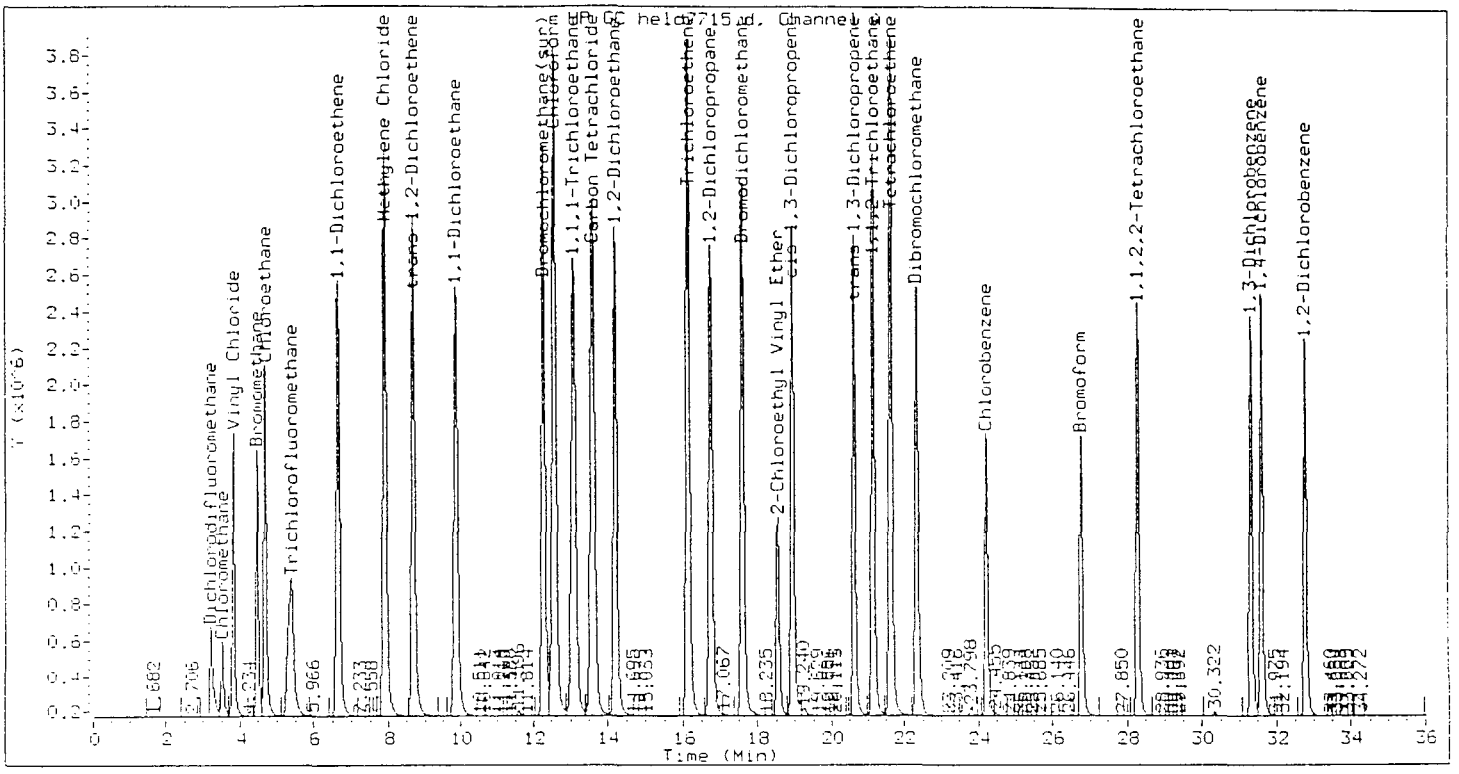
Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	2400	1800	75	0	40	70-130
Vinyl Chloride	2400	2200	92	5	40	70-130
Bromomethane	2400	2300	96	0	40	70-130
Chloroethane	2400	1900	79	5	40	70-130
Trichlorofluoromethane	2400	1800	75	6	40	70-130
1,1-Dichloroethene	2400	2100	88	0	40	70-130
Methylene Chloride	2400	2100	88	5	40	70-130
trans-1,2-Dichloroethene	2400	2000	83	0	40	70-130
1,1-Dichloroethane	2400	2000	83	0	40	70-130
Chloroform	2400	2200	92	0	40	70-130
1,1,1-Trichloroethane	2400	2200	92	5	40	70-130
Carbon Tetrachloride	2400	2100	88	5	40	70-130
1,2-Dichloroethane	2400	2100	88	5	40	70-130
Trichloroethene	2400	2400	85	5	40	70-130
1,2-Dichloropropane	2400	2200	92	5	40	70-130
Bromodichloromethane	2400	2300	96	4	40	70-130
2-Chloroethyl Vinyl Ethe	2400	2300	96	0	40	70-130
cis-1,3-Dichloropropene	2400	2100	88	0	40	70-130
trans-1,3-Dichloropropen	2400	2100	88	0	40	70-130
1,1,2-Trichloroethane	2400	2100	88	0	40	70-130
Tetrachloroethene	2400	2100	88	0	40	70-130
Dibromochloromethane	2400	2300	96	0	40	70-130
Chlorobenzene	2400	2000	83	0	40	70-130
Bromoform	2400	2400	100	0	40	70-130
1,1,2,2-Tetrachloroethan	2400	2100	88	0	40	70-130
1,3-Dichlorobenzene	2400	2100	88	0	40	70-130
1,4-Dichlorobenzene	2400	2100	88	0	40	70-130
1,2-Dichlorobenzene	2400	2100	88	5	40	70-130

Column to be used to flag recovery and RPD values with an asterik
* Values outside of QC limits
RPD: 0 out of 28 outside limits
Spike Recovery: 0 out of 56 outside limits

COMMENTS: _____

306714

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7715.d Page 1
Report Date 02/29/2000 09:49



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183835MS;;50
Lab ID : 183835MS
Inj Date : 28-FEB-2000 19:23
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: MS

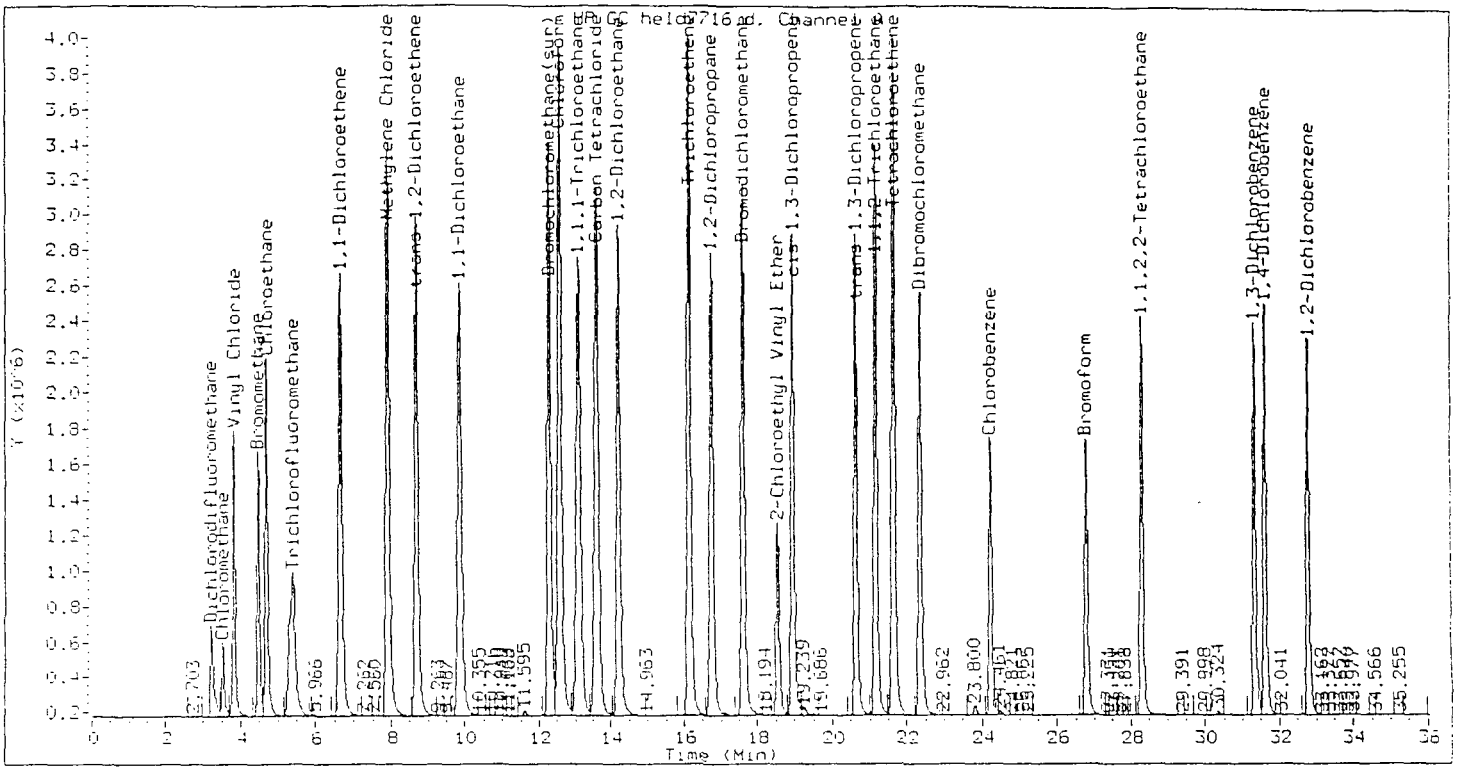
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.212	3.199	0.013	15092618	12.445	1495.610
Chloromethane	3.525	3.515	0.010	9638344	14.788	1777.223
Vinyl Chloride	3.817	3.806	0.011	33334876	17.293	2078.196
Bromomethane	4.463	4.454	0.009	31299833	18.842	2264.363
Chloroethane	4.680	4.690	0.010	49625705	15.285	1836.969
Trichlorofluoromethane	5.385	5.400	0.015	43326037	14.141	1699.467
1,1-Dichloroethene	6.641	6.623	0.017	83279575	17.150	2061.030
Methylene Chloride	7.901	7.875	0.027	105755206	17.088	2053.632
trans-1,2-Dichloroethene	8.671	8.643	0.028	90175114	16.641	1999.918

306715

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.853	9.822	0.031	93011602	16.520	1985.358
Chloroform	12.569	12.536	0.033	137167357	18.218	2189.385
1,1,1-Trichloroethane	13.085	13.054	0.030	111336134	17.713	2128.649
Carbon Tetrachloride	13.598	13.566	0.032	121952218	16.736	2011.320
1,2-Dichloroethane	14.201	14.168	0.033	91426594	17.100	2055.052
Trichloroethene	16.129	16.099	0.030	123010931	19.288	2318.033
1,2-Dichloropropane	16.735	16.704	0.031	92428666	17.760	2134.390
Bromodichloromethane	17.595	17.565	0.030	97187682	18.554	2229.812
2-Chloroethyl Vinyl Ether	18.537	18.509	0.028	33585521	19.314	2321.076
cis-1,3-Dichloropropene	18.942	18.913	0.028	82485149	17.166	2062.982
trans-1,3-Dichloropropene	20.618	20.591	0.027	74746583	17.288	2077.575
1,1,2-Trichloroethane	21.152	21.125	0.027	98125075	17.299	2078.969
Tetrachloroethene	21.637	21.610	0.027	119250332	17.314	2080.727
Dibromochloromethane	22.349	22.321	0.028	74113591	18.936	2275.706
Chlorobenzene	24.225	24.199	0.026	44272558	16.461	1978.272
Bromoform	26.769	26.742	0.026	45156293	19.668	2363.685
1,1,2,2-Tetrachloroethane	28.285	28.260	0.025	66895615	17.672	2123.832
1,3-Dichlorobenzene	31.316	31.289	0.027	60847959	17.481	2100.855
1,4-Dichlorobenzene	31.601	31.576	0.025	64238728	17.271	2075.598
1,2-Dichlorobenzene	32.786	32.760	0.025	58495981	17.134	2059.123
Bromochloromethane(sur)	12.275	12.243	0.032	101386057	25.642	3081.575

306716

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7716.d Page 1
Report Date 02/29/2000 09:49



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 183835MSD;;50
Lab ID : 183835MSD
Inj Date : 28-FEB-2000 20:06
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: MSD

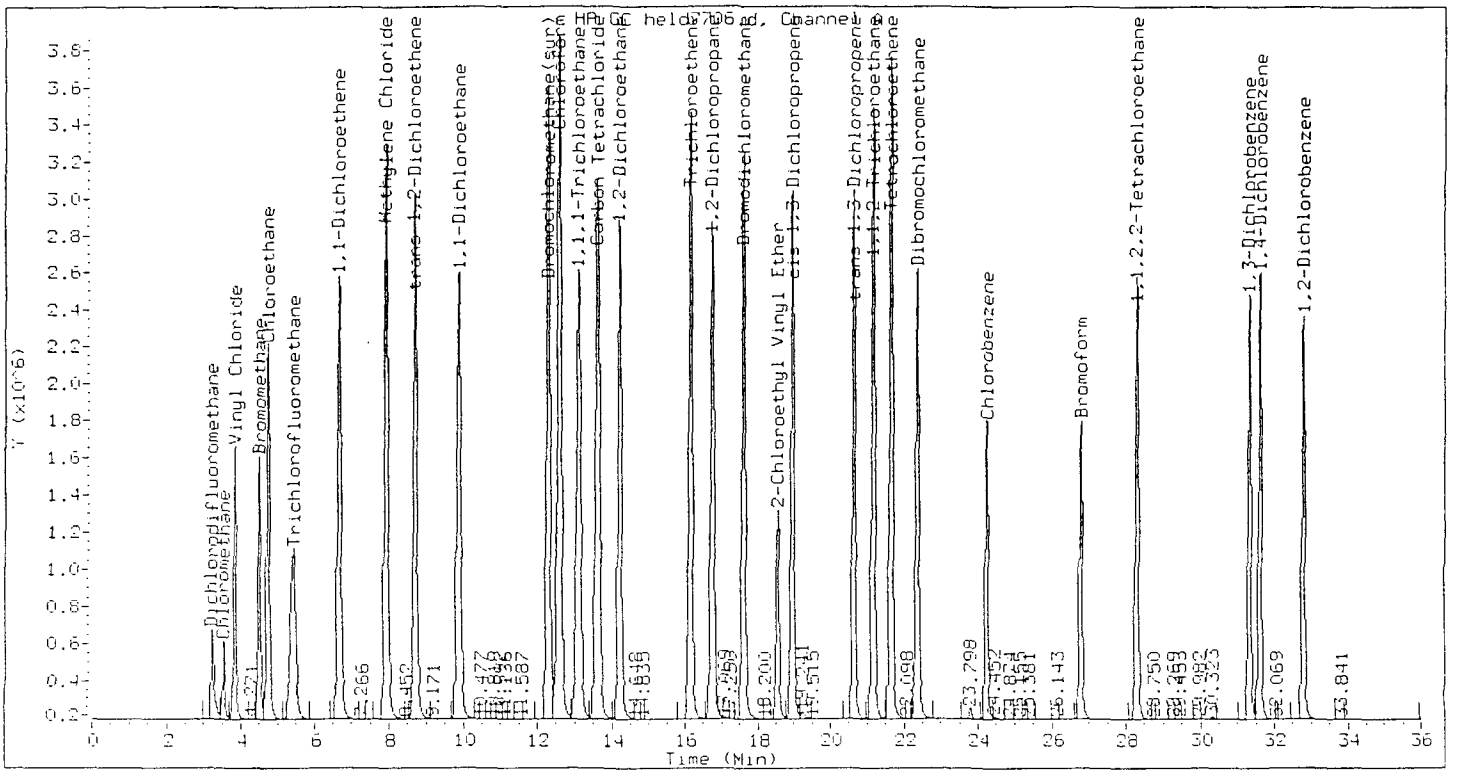
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.211	3.199	0.012	15647540	12.903	1550.601
Chloromethane	3.524	3.515	0.009	9821176	15.069	1810.935
Vinyl Chloride	3.816	3.806	0.010	34602553	17.950	2157.227
Bromomethane	4.462	4.454	0.008	32119626	19.335	2323.670
Chloroethane	4.679	4.690	0.011	52185077	16.074	1931.708
Trichlorofluoromethane	5.385	5.400	0.016	45441298	14.832	1782.438
1,1-Dichloroethene	6.640	6.623	0.017	86772885	17.869	2147.484
Methylene Chloride	7.901	7.875	0.026	108591678	17.547	2108.712
trans-1,2-Dichloroethene	8.672	8.643	0.029	92546727	17.079	2052.516

306717

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.853	9.822	0.031	96061157	17.062	2050.452
Chloroform	12.570	12.536	0.034	141261931	18.762	2254.741
1,1,1-Trichloroethane	13.085	13.054	0.030	114499395	18.216	2189.128
Carbon Tetrachloride	13.596	13.566	0.031	126294105	17.332	2082.930
1,2-Dichloroethane	14.201	14.168	0.034	94754446	17.723	2129.854
Trichloroethene	16.131	16.099	0.032	127633690	20.013	2405.145
1,2-Dichloropropane	16.735	16.704	0.032	94769720	18.210	2188.450
Bromodichloromethane	17.597	17.565	0.031	99298407	18.957	2278.239
2-Chloroethyl Vinyl Ether	18.538	18.509	0.030	33773533	19.422	2334.069
cis-1,3-Dichloropropene	18.943	18.913	0.029	82577478	17.185	2065.291
trans-1,3-Dichloropropene	20.620	20.591	0.029	76293560	17.645	2120.573
1,1,2-Trichloroethane	21.152	21.125	0.028	99406581	17.525	2106.120
Tetrachloroethene	21.638	21.610	0.028	123068198	17.868	2147.342
Dibromochloromethane	22.350	22.321	0.029	75391331	19.263	2314.940
Chlorobenzene	24.227	24.199	0.028	45013300	16.737	2011.372
Bromoform	26.771	26.742	0.028	45916921	20.000	2403.500
1,1,2,2-Tetrachloroethane	28.288	28.260	0.027	66430569	17.550	2109.068
1,3-Dichlorobenzene	31.317	31.289	0.028	60941765	17.508	2104.093
1,4-Dichlorobenzene	31.603	31.576	0.028	64699414	17.395	2090.483
1,2-Dichlorobenzene	32.788	32.760	0.028	59949972	17.560	2110.305
Bromochloromethane(sur)	12.276	12.243	0.033	105214490	26.610	3197.938

306718

Data File: /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/held7706.d Page 1
Report Date 02/29/2000 09:47



Method : /chem/VOAGC2.i/8021EHIGH/02-28-00/28FEB00.b/8021BEHIGH.m
Sample Info : 6958BS
Lab ID : 6958BS
Inj Date : 28-FEB-2000 12:43
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: METHSPIKE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.216	3.199	0.017	14785830	12.192	1524.008
Chloromethane	3.529	3.515	0.014	9215796	14.140	1767.502
Vinyl Chloride	3.822	3.806	0.016	31692500	16.441	2055.094
Bromomethane	4.479	4.454	0.025	34212265	20.595	2574.385
Chloroethane	4.722	4.690	0.032	59181478	18.229	2278.603
Trichlorofluoromethane	5.425	5.400	0.024	50225308	16.393	2049.151
1,1-Dichloroethene	6.653	6.623	0.030	82127378	16.913	2114.080
Methylene Chloride	7.906	7.875	0.032	103810244	16.774	2096.760
trans-1,2-Dichloroethene	8.678	8.643	0.035	90061153	16.620	2077.546

306719

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.859	9.822	0.037	93530398	16.612	2076.549
Chloroform	12.571	12.536	0.035	136508333	18.130	2266.304
1,1,1-Trichloroethane	13.089	13.054	0.035	106212295	16.897	2112.177
Carbon Tetrachloride	13.601	13.566	0.036	121552382	16.681	2085.175
1,2-Dichloroethane	14.202	14.168	0.034	90673217	16.959	2119.908
Trichloroethene	16.132	16.099	0.033	107575870	16.868	2108.523
1,2-Dichloropropane	16.736	16.704	0.032	94700581	18.197	2274.612
Bromodichloromethane	17.596	17.565	0.031	99154711	18.930	2366.236
2-Chloroethyl Vinyl Ether	18.538	18.509	0.030	34071023	19.593	2449.120
cis-1,3-Dichloropropene	18.943	18.913	0.030	85940599	17.885	2235.660
trans-1,3-Dichloropropene	20.620	20.591	0.029	78281982	18.105	2263.158
1,1,2-Trichloroethane	21.153	21.125	0.029	101857884	17.957	2244.658
Tetrachloroethene	21.639	21.610	0.029	113701453	16.508	2063.522
Dibromochloromethane	22.350	22.321	0.028	75039976	19.173	2396.617
Chlorobenzene	24.226	24.199	0.027	45272189	16.833	2104.120
Bromoform	26.769	26.742	0.026	46261727	20.150	2518.725
1,1,2,2-Tetrachloroethane	28.285	28.260	0.024	68925240	18.209	2276.085
1,3-Dichlorobenzene	31.316	31.289	0.027	62366932	17.918	2239.711
1,4-Dichlorobenzene	31.602	31.576	0.026	65592792	17.635	2204.398
1,2-Dichlorobenzene	32.786	32.760	0.025	59581516	17.452	2181.501
Bromochloromethane(sur)	12.278	12.243	0.035	109479665	27.689	3461.112

306720

Sublaboratory: E022500 Analysis: 8021E

Date	Data File ID #	A/S	SAMPLE	Sublist	JOB	QA	LPB	pH	W/V	D.F	Std Lot #	Comments	Analyst
2-25-00	HELD 7670	1	HSTD 020	601							SWA	G	SP
	7671	2	001								Vw 113	G	
	7672	3	005									G	
	7673	4	010								Std	G	
	7674	5	040								Vw 121	G	
	7675	6	BS								00-122	G	
	7676	7	HG056 WATER								00-123	G	
	7677	8	HG056A MOIST								BS	G	
	7678	9	183842		X456	6158	HG056	Y6	50ml	5+	Vw 118 -119	G Water or in soil RA	
	7679	10	183826		X455	6958	HG056A		11.7/25ml	50x		G	
	7680	11	183827						11.0/			G	
	7681	12	183828						11.3/			G	
	7682	13	183829						11.5/			G	
	7683	14	183830						11.5/			G	
	7684	15	183831		X456				11.2/			NG 100X	
	7685	16	183832						10.9/			S	
	7686	17	HSTD 020A									G	
	7687	18	020A									NG	
	7688	19	HG056B				HG056B			50x		G	
	7689	20	183833		X456	6958			11.8/25ml			NG 100X	
	7690	21	183834						10.8/			NG 100X	
	7691	22	183835						11.7/			G	
	7692	23	183836						11.1/			NG 100X	
	7693	24	183837						10.5/			NG 100X	
	7694	25	183838						11.4/			G	
	7695	26	183840						10.8/			G	
	7696	27	183843						11.0/			G	
	7697	28	183837MS						10.5/			NG	

Signed: Sheileen Farrel Date: 2-25-00

Signed: M. Brown Date: 2/28/00

Read and Understood By 306721

Continued on Page

PROJECT

Notebook No. _____

Continued From Page _____

Sublisedaily: E022800 Analysis: 18021E

Date	Data File ID#	A/S	SAMPLE	Sublist	JOB	QN	LPE	f/H	RH W/V	W/W D.F	Std wt #	Comments	Analyst
2-28-00	HELD 7701	1	HG ID 020	601							SURR	G	SP
	7702	2	001				HG 059				V00113	G	
	7703	3	005								STD	G	
	7704	4	010								V00121	G	
	7705	5	040								-122	G	
	7706	6	E958 BS								-123	G	
	7707	7	HG059								BS	G	
	7708	8	183831		X456	6158			11.2/25ml	100	V00118	G	
	7709	9	183832-R1						10.7/	50	-119	↓s (G) Surr comp. for 7685	
	7710	10	183833						11.8/	100		G	
	7711	11	183834						10.8/			G	
	7712	12	183836						11.1/			G	
	7713	13	183837						10.5/			G	
	7714	14	183835						11.7/	50		G	
	7715	15	183835MS									G	
	7716	16	183835MSD									G	
	7717	17	HSTD 020A									G	
	7718	18	020A									NU	
	7719	19	HG059A				HG 059A					G	
	7720	20	183838		X456	6158			11.4/25ml	50x		G	
	7721	21	183840						10.8/			G	
	7722	22	183843						0.0			G	
	7723	23	HSTD020B									G	
	7724	24	020B									NU	

Continued on Page

Read and Understood By

Sharleen Pard — Signed — 2-28-00 Date

Mary Baer — Signed — 2/29/00 Date

306722

PROJECT

Notebook No. _____

Continued From Page _____

1

Client ID: **SSFS-3A**
Site: **Klockner & Klockner**

Lab Sample No: 183839
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: SOLID
Level: LOW
% Moisture: 37.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	841	1.7		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

306723

Client ID: **SSFS-3C**
Site: **Klockner & Klockner**

Lab Sample No: 183841
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: SOLID
Level: LOW
% Moisture: 18.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	373	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

306724

Client ID: **FBA0200**
Site: **Klockner & Klockner**

Lab Sample No: 183842
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	2.1		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

306725

BLANKS

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: _X388 _____ Batch No.: 9151__

Preparation Blank Matrix (soil/water): SOIL_

Preparation Blank Concentration Units (ug/L or mg/kg): 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	58.6	U	58.6	U	58.6	U	58.6	U	5.862	U	P
Antimony	4.5	U	4.5	U	4.5	U	4.5	U	0.454	U	P
Arsenic	3.6	U	3.6	U	3.6	U	3.6	U	0.355	U	P
Barium	1.7	B	1.5	U	1.5	U	1.5	U	0.152	U	P
Beryllium	0.2	B	0.2	B	0.2	U	0.2	U	0.020	U	P
Cadmium	0.4	B	0.4	U	0.4	U	0.4	U	0.037	U	P
Calcium	38.4	U	38.4	U	38.4	U	38.4	U	9.551	B	P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U	0.152	B	P
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	0.098	U	P
Copper	2.7	U	2.7	U	2.7	U	2.7	U	0.270	U	P
Iron	37.1	U	37.1	U	37.1	U	37.1	U	3.709	U	P
Lead	2.1	U	2.1	U	2.1	U	2.1	U	0.207	U	P
Magnesium	31.9	U	31.9	U	31.9	U	31.9	U	3.193	U	P
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	0.102	U	P
Mercury	0.1	U	0.1	U	0.1	U			0.017	U	CV
Nickel	1.4	U	1.4	U	1.4	U	1.4	U	0.139	U	P
Potassium	254.1	U	254.1	U	254.1	U	254.1	U	25.411	U	P
Selenium	4.8	B	4.5	U	5.4		4.5	U	0.453	U	P
Silver	1.1	U	1.1	U	1.1	U	1.1	U	0.112	U	P
Sodium	351.8	U	-475.1	B	351.8	U	-553.1	B	35.182	U	P
Thallium	4.1	U	4.1	U	4.1	U	4.1	U	0.414	U	P
Vanadium	1.3	U	1.3	U	1.3	U	1.3	U	0.127	U	P
Zinc	5.2	U	5.2	U	5.2	U	5.2	U	0.601	B	P
Tin											NR

306726

BLANKS

Lab Name: STL_ENVIROTECH

Lab Code: 12543_ Lab Job No.: _X388 Batch No.: 9151__

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			58.6	U							P
Antimony			4.5	U							P
Arsenic			3.6	U							P
Barium			1.5	U							P
Beryllium			0.2	U							P
Cadmium			0.4	U							P
Calcium			38.4	U							P
Chromium			1.1	U							P
Cobalt			1.0	U							P
Copper			2.7	U							P
Iron			37.1	U							P
Lead			2.1	U							P
Magnesium			31.9	U							P
Manganese			1.0	U							P
Mercury											NR
Nickel			1.4	U							P
Potassium			254.1	U							P
Selenium			4.5	U							P
Silver			1.1	U							P
Sodium			-398.1	B							P
Thallium			4.1	U							P
Vanadium			1.3	U							P
Zinc			5.2	U							P
Tin											NR

306727

BLANKS

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: _X388 _____ Batch No.: 9151__

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	58.6	U	58.6	U	58.6	U	58.6	U			P
Antimony	4.5	U	4.5	U	4.5	U	4.5	U			P
Arsenic	3.6	U	3.6	U	3.6	U	3.6	U			P
Barium	1.5	U	1.5	U	1.5	U	1.5	U			P
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U			P
Cadmium	0.4	B	0.4	U	0.4	U	0.4	U			P
Calcium	38.4	U	38.4	U	38.4	U	38.4	U			P
Chromium	1.1	U	1.1	U	1.1	U	1.1	U			P
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U			P
Copper	2.7	U	2.7	U	2.7	U	2.7	U			P
Iron	37.1	U	37.1	U	37.1	U	37.1	U			P
Lead	2.1	U	2.1	U	2.1	U	2.1	U			P
Magnesium	31.9	U	31.9	U	31.9	U	31.9	U			P
Manganese	1.0	U	1.0	U	1.0	U	1.0	U			P
Mercury											NR
Nickel	1.4	U	1.4	U	1.4	U	1.4	U			P
Potassium	254.1	U	254.1	U	254.1	U	254.1	U			P
Selenium	4.5	U	4.5	U	4.5	U	4.5	U			P
Silver	1.1	U	1.1	U	1.1	U	1.1	U			P
Sodium	-524.2	B	-472.6	B	351.8	U	351.8	U			P
Thallium	4.1	U	4.1	U	4.1	U	4.1	U			P
Vanadium	1.3	U	1.3	U	1.3	U	1.3	U			P
Zinc	5.2	U	5.2	U	5.2	U	5.2	U			P
Tin											NR

306728

BLANKS

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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			60.2	B	58.6	U	58.6	U			P
Antimony			4.5	U	4.5	U	4.5	U			P
Arsenic			3.6	U	3.6	U	3.6	U			P
Barium			1.5	U	1.5	U	1.5	U			P
Beryllium			0.2	U	0.2	U	0.2	U			P
Cadmium			0.4	U	0.4	U	0.4	U			P
Calcium			38.4	U	38.4	U	38.4	U			P
Chromium			1.1	U	1.1	U	1.1	U			P
Cobalt			1.0	U	1.0	U	1.0	U			P
Copper			2.7	U	2.7	U	2.7	U			P
Iron			37.1	U	37.1	U	37.1	U			P
Lead			2.1	U	2.1	U	2.1	U			P
Magnesium			40.1	B	31.9	U	32.6	B			P
Manganese			1.0	U	1.0	U	1.0	U			P
Mercury											NR
Nickel			1.4	U	1.4	U	1.4	U			P
Potassium			254.1	U	254.1	U	254.1	U			P
Selenium			4.5	U	4.5	U	4.5	U			P
Silver			1.1	U	1.1	U	1.1	U			P
Sodium			-395.2	B	-492.0	B	-499.5	B			P
Thallium			4.1	U	4.1	U	4.1	U			P
Vanadium			1.3	U	1.3	U	1.3	U			P
Zinc			5.2	U	5.2	U	5.2	U			P
Tin											NR

306729

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: X388 _____ Batch No.: 9151__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

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	250000.0	246195.6	98.5	250000.0	244209.0	97.7	243515.3	97.4	P
Antimony	1000.0	987.72	98.8	1000.0	977.34	97.7	984.59	98.5	P
Arsenic	5000.0	4916.51	98.3	5000.0	4913.25	98.3	4952.88	99.1	P
Barium	10000.0	9779.93	97.8	10000.0	9778.53	97.8	9760.80	97.6	P
Beryllium	1000.0	980.00	98.0	1000.0	982.62	98.3	994.40	99.4	P
Cadmium	2500.0	2484.04	99.4	2500.0	2487.44	99.5	2529.58	101.2	P
Calcium	125000.0	123689.7	99.0	125000.0	123900.3	99.1	124875.3	99.9	P
Chromium	5000.0	4931.52	98.6	5000.0	4948.80	99.0	4983.21	99.7	P
Cobalt	2500.0	2461.45	98.5	2500.0	2462.24	98.5	2481.61	99.3	P
Copper	12500.0	12269.08	98.2	12500.0	12238.02	97.9	12335.82	98.7	P
Iron	100000.0	98775.16	98.8	100000.0	98725.23	98.7	98868.53	98.9	P
Lead	10000.0	9919.90	99.2	10000.0	9859.09	98.6	10059.09	100.6	P
Magnesium	125000.0	122423.1	97.9	125000.0	122920.8	98.3	123852.9	99.1	P
Manganese	5000.0	4948.14	99.0	5000.0	4958.58	99.2	4992.60	99.9	P
Mercury	5.0	4.98	99.6	5.0	4.99	99.8	4.94	98.8	CV
Nickel	2500.0	2466.84	98.7	2500.0	2469.24	98.8	2493.86	99.8	P
Potassium	50000.0	51094.61	102.2	50000.0	50936.80	101.9	50675.54	101.4	P
Selenium	5000.0	4947.52	99.0	5000.0	4888.94	97.8	4960.09	99.2	P
Silver	1250.0	1221.86	97.7	1250.0	1218.64	97.5	1218.31	97.5	P
Sodium	125000.0	122468.0	98.0	125000.0	121869.4	97.5	121283.3	97.0	P
Thallium	5000.0	4922.55	98.5	5000.0	4910.48	98.2	4901.90	98.0	P
Vanadium	2500.0	2461.69	98.5	2500.0	2467.47	98.7	2495.92	99.8	P
Zinc	2500.0	2468.98	98.8	2500.0	2474.04	99.0	2528.41	101.1	P
Tin									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

306730

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: X388 _____ Batch No.: 9151__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

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				250000.0	244711.0	97.9	247066.5	98.8	P
Antimony				1000.0	983.02	98.3	987.20	98.7	P
Arsenic				5000.0	4914.99	98.3	4966.73	99.3	P
Barium				10000.0	9831.46	98.3	9724.44	97.2	P
Beryllium				1000.0	974.26	97.4	973.70	97.4	P
Cadmium				2500.0	2475.71	99.0	2493.56	99.7	P
Calcium				125000.0	123132.0	98.5	124490.3	99.6	P
Chromium				5000.0	4936.51	98.7	4988.57	99.8	P
Cobalt				2500.0	2468.45	98.7	2522.31	100.9	P
Copper				12500.0	12183.85	97.5	11875.73	95.0	P
Iron				100000.0	99574.42	99.6	103489.8	103.5	P
Lead				10000.0	9865.28	98.7	10057.10	100.6	P
Magnesium				125000.0	122367.3	97.9	124693.3	99.8	P
Manganese				5000.0	4935.51	98.7	4936.82	98.7	P
Mercury									NR
Nickel				2500.0	2464.70	98.6	2498.10	99.9	P
Potassium				50000.0	51110.67	102.2	50714.06	101.4	P
Selenium				5000.0	4942.02	98.8	5008.07	100.2	P
Silver				1250.0	1219.40	97.6	1216.92	97.4	P
Sodium				125000.0	121329.3	97.1	121404.3	97.1	P
Thallium				5000.0	4922.40	98.4	5010.22	100.2	P
Vanadium				2500.0	2447.81	97.9	2396.89	95.9	P
Zinc				2500.0	2465.84	98.6	2465.32	98.6	P
Tin									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

306731

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: X388 _____ Batch No.: 9151__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

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	250000.0	247493.5	99.0	250000.0	246911.9	98.8	247787.8	99.1	P
Antimony	1000.0	965.78	96.6	1000.0	965.56	96.6	962.54	96.3	P
Arsenic	5000.0	4863.06	97.3	5000.0	4853.88	97.1	4867.29	97.3	P
Barium	10000.0	9800.96	98.0	10000.0	9775.82	97.8	9807.56	98.1	P
Beryllium	1000.0	972.28	97.2	1000.0	966.24	96.6	969.50	97.0	P
Cadmium	2500.0	2460.32	98.4	2500.0	2444.89	97.8	2450.40	98.0	P
Calcium	125000.0	122992.9	98.4	125000.0	122610.9	98.1	123071.7	98.5	P
Chromium	5000.0	4904.73	98.1	5000.0	4898.45	98.0	4922.69	98.5	P
Cobalt	2500.0	2446.67	97.9	2500.0	2441.42	97.7	2453.28	98.1	P
Copper	12500.0	12280.20	98.2	12500.0	12177.52	97.4	12201.04	97.6	P
Iron	100000.0	98401.75	98.4	100000.0	99050.20	99.1	99348.47	99.3	P
Lead	10000.0	9783.40	97.8	10000.0	9757.51	97.6	9769.06	97.7	P
Magnesium	125000.0	121621.0	97.3	125000.0	121783.3	97.4	122049.1	97.6	P
Manganese	5000.0	4917.48	98.3	5000.0	4894.84	97.9	4913.14	98.3	P
Mercury									NR
Nickel	2500.0	2449.40	98.0	2500.0	2442.02	97.7	2450.14	98.0	P
Potassium	50000.0	50563.18	101.1	50000.0	50639.09	101.3	50740.18	101.5	P
Selenium	5000.0	4872.12	97.4	5000.0	4855.82	97.1	4858.21	97.2	P
Silver	1250.0	1221.41	97.7	1250.0	1220.65	97.7	1224.70	98.0	P
Sodium	125000.0	123477.6	98.8	125000.0	123836.4	99.1	124190.0	99.4	P
Thallium	5000.0	4847.69	97.0	5000.0	4878.92	97.6	4898.96	98.0	P
Vanadium	2500.0	2441.48	97.7	2500.0	2416.26	96.7	2424.46	97.0	P
Zinc	2500.0	2454.08	98.2	2500.0	2441.61	97.7	2446.12	97.8	P
Tin									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

306732

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

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				250000.0	247515.8	99.0	249148.7	99.7	P
Antimony				1000.0	977.33	97.7	974.84	97.5	P
Arsenic				5000.0	4923.16	98.5	4890.50	97.8	P
Barium				10000.0	9850.89	98.5	9856.44	98.6	P
Beryllium				1000.0	986.03	98.6	975.93	97.6	P
Cadmium				2500.0	2495.01	99.8	2470.98	98.8	P
Calcium				125000.0	124385.3	99.5	123301.2	98.6	P
Chromium				5000.0	4956.68	99.1	4928.29	98.6	P
Cobalt				2500.0	2458.99	98.4	2447.28	97.9	P
Copper				12500.0	12457.68	99.7	12408.28	99.3	P
Iron				100000.0	98054.11	98.1	97950.70	98.0	P
Lead				10000.0	9922.59	99.2	9808.60	98.1	P
Magnesium				125000.0	122509.4	98.0	121628.3	97.3	P
Manganese				5000.0	4977.00	99.5	4945.11	98.9	P
Mercury									NR
Nickel				2500.0	2469.89	98.8	2455.80	98.2	P
Potassium				50000.0	50778.74	101.6	50994.71	102.0	P
Selenium				5000.0	4940.56	98.8	4894.21	97.9	P
Silver				1250.0	1228.58	98.3	1228.42	98.3	P
Sodium				125000.0	124464.3	99.6	124708.8	99.8	P
Thallium				5000.0	4890.32	97.8	4885.94	97.7	P
Vanadium				2500.0	2492.02	99.7	2470.11	98.8	P
Zinc				2500.0	2481.85	99.3	2465.67	98.6	P
Tin									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

306733

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

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				250000.0	248041.9	99.2	250051.8	100.0	P
Antimony				1000.0	975.46	97.5	982.60	98.3	P
Arsenic				5000.0	4915.87	98.3	4953.75	99.1	P
Barium				10000.0	9842.91	98.4	9868.62	98.7	P
Beryllium				1000.0	983.06	98.3	987.99	98.8	P
Cadmium				2500.0	2494.46	99.8	2509.45	100.4	P
Calcium				125000.0	124223.5	99.4	124874.5	99.9	P
Chromium				5000.0	4947.01	98.9	4970.41	99.4	P
Cobalt				2500.0	2455.55	98.2	2467.26	98.7	P
Copper				12500.0	12456.08	99.6	12508.99	100.1	P
Iron				100000.0	97830.94	97.8	98071.24	98.1	P
Lead				10000.0	9876.50	98.8	9993.28	99.9	P
Magnesium				125000.0	122472.5	98.0	122983.6	98.4	P
Manganese				5000.0	4968.59	99.4	4993.94	99.9	P
Mercury									NR
Nickel				2500.0	2468.97	98.8	2481.90	99.3	P
Potassium				50000.0	50778.75	101.6	51030.26	102.1	P
Selenium				5000.0	4916.06	98.3	4959.56	99.2	P
Silver				1250.0	1228.85	98.3	1231.77	98.5	P
Sodium				125000.0	124794.3	99.8	125324.1	100.3	P
Thallium				5000.0	4895.77	97.9	4920.78	98.4	P
Vanadium				2500.0	2488.83	99.6	2501.17	100.0	P
Zinc				2500.0	2479.30	99.2	2492.53	99.7	P
Tin									NR

(1) Control Limits: Mercury 80-120; ICP Metals 90-110; Furnace AA Metals 80-120

306734

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

ICP ID Number: TRACE1 TJA61 ICS Source: INORG VENT

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	494587	490350.7	98.1	496997	496017.0	99.2
Antimony		100		95.9	95.9		93.1	93.1
Arsenic		100		100.0	100.0		99.2	99.2
Barium		100		103.6	103.6		103.2	103.2
Beryllium		100		96.8	96.8		95.4	95.4
Cadmium		100		97.1	97.1		97.6	97.6
Calcium	500000	500000	463251	463802.8	92.8	467501	463945.0	92.8
Chromium		100		100.5	100.5		101.3	101.3
Cobalt		100		94.8	94.8		97.1	97.1
Copper		100		101.1	101.1		97.9	97.9
Iron	200000	200000	193124	193070.6	96.5	201917	202337.0	101.2
Lead		100		93.9	93.9		92.7	92.7
Magnesium	500000	500000	502280	501096.6	100.2	511939	508426.1	101.7
Manganese		100		99.1	99.1		98.2	98.2
Mercury								
Nickel		100		97.6	97.6		98.3	98.3
Potassium		10000		11608.2	116.1		11676.3	116.8
Selenium		100		97.4	97.4		97.7	97.7
Silver		100		102.1	102.1		102.5	102.5
Sodium		10000		9996.6	100.0		10156.0	101.6
Thallium		100		90.3	90.3		89.2	89.2
Vanadium		100		100.1	100.1		97.4	97.4
Zinc		100		98.9	98.9		98.2	98.2

306735

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

ICP ID Number: TRACE1 TJA61 ICS Source: INORG VENT

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	501621	496890.4	99.4	504813	499360.8	99.9
Antimony		100		89.1	89.1		94.5	94.5
Arsenic		100		99.3	99.3		99.9	99.9
Barium		100		104.0	104.0		104.2	104.2
Beryllium		100		95.5	95.5		95.5	95.5
Cadmium		100		94.8	94.8		94.9	94.9
Calcium	500000	500000	459118	458194.1	91.6	469698	458102.7	91.6
Chromium		100		99.2	99.2		99.6	99.6
Cobalt		100		93.7	93.7		93.2	93.2
Copper		100		101.8	101.8		102.3	102.3
Iron	200000	200000	192523	191467.5	95.7	192124	190782.9	95.4
Lead		100		94.9	94.9		93.3	93.3
Magnesium	500000	500000	501563	497806.8	99.6	509123	497351.2	99.5
Manganese		100		97.9	97.9		98.3	98.3
Mercury								
Nickel		100		96.6	96.6		95.1	95.1
Potassium		10000		11209.5	112.1		11344.1	113.4
Selenium		100		99.4	99.4		88.7	88.7
Silver		100		102.8	102.8		102.9	102.9
Sodium		10000		10297.1	103.0		10352.1	103.5
Thallium		100		85.7	85.7		87.3	87.3
Vanadium		100		98.7	98.7		99.2	99.2
Zinc		100		98.3	98.3		98.9	98.9

306736

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

ICP ID Number: TRACE1 TJA61 ICS Source: INORG VENT

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				500699	498466.9	99.7
Antimony		100					93.4	93.4
Arsenic		100					101.5	101.5
Barium		100					104.6	104.6
Beryllium		100					95.2	95.2
Cadmium		100					94.7	94.7
Calcium	500000	500000				465585	456215.4	91.2
Chromium		100					99.1	99.1
Cobalt		100					92.8	92.8
Copper		100					102.8	102.8
Iron	200000	200000				192524	188343.0	94.2
Lead		100					92.5	92.5
Magnesium	500000	500000				506076	493379.2	98.7
Manganese		100					98.2	98.2
Mercury								
Nickel		100					95.4	95.4
Potassium		10000					11338.9	113.4
Selenium		100					93.1	93.1
Silver		100					103.4	103.4
Sodium		10000					10344.7	103.4
Thallium		100					87.6	87.6
Vanadium		100					100.2	100.2
Zinc		100					99.0	99.0

306737

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS021700

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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

% Solids for Sample: 100.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	185.2102		5.8620	U	200.00	92.6		P
Antimony	75-125	44.5366		0.4540	U	50.00	89.1		P
Arsenic	75-125	184.4090		0.3550	U	200.00	92.2		P
Barium	75-125	189.4978		0.1520	U	200.00	94.7		P
Beryllium	75-125	4.8639		0.0200	U	5.00	97.3		P
Cadmium	75-125	4.8060		0.0370	U	5.00	96.1		P
Calcium	75-125	1895.2281		9.5507	B	2000.00	94.3		P
Chromium	75-125	19.5412		0.1518	B	20.00	96.9		P
Cobalt	75-125	47.9285		0.0980	U	50.00	95.9		P
Copper	75-125	23.4235		0.2700	U	25.00	93.7		P
Iron	75-125	95.1124		3.7090	U	100.00	95.1		P
Lead	75-125	47.0522		0.2070	U	50.00	94.1		P
Magnesium	75-125	1882.3777		3.1930	U	2000.00	94.1		P
Manganese	75-125	47.7566		0.1020	U	50.00	95.5		P
Mercury	75-125	0.1683		0.0167	U	0.17	99.0		CV
Nickel	75-125	48.3310		0.1390	U	50.00	96.7		P
Potassium	75-125	1849.9762		25.4110	U	2000.00	92.5		P
Selenium	75-125	185.1634		0.4530	U	200.00	92.6		P
Silver	75-125	4.5690		0.1120	U	5.00	91.4		P
Sodium	75-125	1858.1871		35.1820	U	2000.00	92.9		P
Thallium	75-125	190.5305		0.4140	U	200.00	95.3		P
Vanadium	75-125	47.8190		0.1270	U	50.00	95.6		P
Zinc	75-125	47.6448		0.6014	B	50.00	94.1		P
Tin									NR

Comments:

306738

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

183699MS

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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

% Solids for Sample: 60.2

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		17243.7176		15998.6166		332.23	374.8		P
Antimony	75-125	26.9495		1.5083	U	83.06	32.4	N	P
Arsenic	75-125	294.7223		7.5924		332.23	86.4		P
Barium	75-125	372.2854		76.1711		332.23	89.1		P
Beryllium	75-125	8.4173		0.9342		8.31	90.0		P
Cadmium	75-125	7.3249		0.1229	U	8.31	88.1		P
Calcium	75-125	5732.3721		2749.0767		3322.26	89.8		P
Chromium	75-125	68.9874		37.6116		33.22	94.4		P
Cobalt	75-125	85.6482		10.3867	B	83.06	90.6		P
Copper	75-125	47.8937		11.3568		41.53	88.0		P
Iron		28073.9359		28023.5907		166.11	30.3		P
Lead	75-125	86.1744		13.2774		83.06	87.8		P
Magnesium	75-125	8849.7598		5751.5223		3322.26	93.3		P
Manganese		779.4246		752.8535		83.06	32.0		P
Mercury	75-125	0.2879		0.0428	B	0.28	87.5		CV
Nickel	75-125	99.1166		22.7508		83.06	91.9		P
Potassium	75-125	5090.9561		2212.0555		3322.26	86.7		P
Selenium	75-125	280.5425		1.5050	U	332.23	84.4		P
Silver	75-125	7.0169		0.3721	U	8.31	84.4		P
Sodium	75-125	3137.4625		271.8864	B	3322.26	86.3		P
Thallium	75-125	294.0708		1.3754	U	332.23	88.5		P
Vanadium	75-125	114.3568		40.2558		83.06	89.2		P
Zinc	75-125	137.7143		62.1718		83.06	90.9		P
Tin									NR

Comments:

306739

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

183699MSD

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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

% Solids for Sample: 60.2

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum		17166.0844		15998.6166		332.23	351.4		P
Antimony	75-125	27.8934		1.5083	U	83.06	33.6	N	P
Arsenic	75-125	294.7724		7.5924		332.23	86.4		P
Barium	75-125	373.4352		76.1711		332.23	89.5		P
Beryllium	75-125	8.4140		0.9342		8.31	90.0		P
Cadmium	75-125	7.2565		0.1229	U	8.31	87.3		P
Calcium	75-125	5751.7292		2749.0767		3322.26	90.4		P
Chromium	75-125	69.0741		37.6116		33.22	94.7		P
Cobalt	75-125	85.8691		10.3867	B	83.06	90.9		P
Copper	75-125	48.2203		11.3568		41.53	88.8		P
Iron		28360.7299		28023.5907		166.11	203.0		P
Lead	75-125	92.6196		13.2774		83.06	95.5		P
Magnesium	75-125	8816.0585		5751.5223		3322.26	92.2		P
Manganese		767.2445		752.8535		83.06	17.3		P
Mercury	75-125	0.2813		0.0428	B	0.27	88.3		CV
Nickel	75-125	99.0140		22.7508		83.06	91.8		P
Potassium	75-125	5131.4718		2212.0555		3322.26	87.9		P
Selenium	75-125	286.5814		1.5050	U	332.23	86.3		P
Silver	75-125	6.9980		0.3721	U	8.31	84.2		P
Sodium	75-125	3110.1611		271.8864	B	3322.26	85.4		P
Thallium	75-125	295.2568		1.3754	U	332.23	88.9		P
Vanadium	75-125	114.3239		40.2558		83.06	89.2		P
Zinc	75-125	137.6585		62.1718		83.06	90.9		P
Tin									NR

Comments:

306740

LAB SAMPLE NO.

DUPLICATES

LCSS-242-D

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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

% Solids for Sample: 100.0 % Solids for Duplicate: 100.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		3564.2488		3649.8222		2.4		P
Antimony		57.2506		55.6308		2.9		P
Arsenic		60.6648		57.1864		5.9		P
Barium	20.0	78.9464		74.8150		5.4		P
Beryllium		122.4762		111.2028		9.6		P
Cadmium		209.1456		197.9952		5.5		P
Calcium	500.0	1702.8132		1588.2212		7.0		P
Chromium		53.0076		49.6672		6.5		P
Cobalt		172.7706		156.4706		9.9		P
Copper		67.7860		63.1242		7.1		P
Iron		7720.9922		8169.9000		5.6		P
Lead		61.2050		57.8532		5.6		P
Magnesium	500.0	1273.8200		1268.8744		0.4		P
Manganese		315.0778		296.1496		6.2		P
Mercury		1.1714		1.2433		6.0		CV
Nickel		86.8936		78.8220		9.7		P
Potassium	500.0	1464.4732		1471.7782		0.5		P
Selenium		63.7724		62.5786		1.9		P
Silver		149.1790		150.2552		0.7		P
Sodium		209.2900	B	131.7546	B	45.5		P
Thallium		120.1292		119.4032		0.6		P
Vanadium		107.8436		100.7640		6.8		P
Zinc		68.2332		67.1396		1.6		P
Tin								NR

306741

LAB SAMPLE NO.

DUPLICATES

183699D

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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

% Solids for Sample: 60.2 % Solids for Duplicate: 60.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		15998.6166		16151.1458		0.9		P
Antimony		1.5083	U	1.5083	U			P
Arsenic		7.5924		7.7309		1.8		P
Barium	33.2	76.1711		77.3897		1.6		P
Beryllium	0.3	0.9342		0.9213		1.4		P
Cadmium		0.1229	U	0.1229	U			P
Calcium	830.6	2749.0767		2676.8319		2.7		P
Chromium		37.6116		36.5422		2.9		P
Cobalt	8.3	10.3867	B	10.2777	B	1.1		P
Copper	4.2	11.3568		12.6615		10.9		P
Iron		28023.5907		26933.8844		4.0		P
Lead		13.2774		14.1648		6.5		P
Magnesium		5751.5223		5537.9957		3.8		P
Manganese		752.8535		665.2781		12.4		P
Mercury		0.0428	B	0.0394	B	8.3		CV
Nickel	6.6	22.7508		22.1877		2.5		P
Potassium	830.6	2212.0555		2190.8146		1.0		P
Selenium		1.5050	U	1.5050	U			P
Silver		0.3721	U	0.3721	U			P
Sodium		271.8864	B	236.5877	B	13.9		P
Thallium		1.3754	U	1.3754	U			P
Vanadium	8.3	40.2558		39.0897		2.9		P
Zinc		62.1718		60.9316		2.0		P
Tin								NR

306742

LAB SAMPLE NO.

DUPLICATES

183699MS/MS

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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

% Solids for Sample: 60.2 % Solids for Duplicate: 60.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		17243.7176		17166.0844		0.5		P
Antimony		26.9495		27.8934		3.4		P
Arsenic		294.7223		294.7724		0.0		P
Barium		372.2854		373.4352		0.3		P
Beryllium		8.4173		8.4140		0.0		P
Cadmium		7.3249		7.2565		0.9		P
Calcium		5732.3721		5751.7292		0.3		P
Chromium		68.9874		69.0741		0.1		P
Cobalt		85.6482		85.8691		0.3		P
Copper		47.8937		48.2203		0.7		P
Iron		28073.9359		28360.7299		1.0		P
Lead		86.1744		92.6196		7.2		P
Magnesium		8849.7598		8816.0585		0.4		P
Manganese		779.4246		767.2445		1.6		P
Mercury		0.2879		0.2813		2.3		CV
Nickel		99.1166		99.0140		0.1		P
Potassium		5090.9561		5131.4718		0.8		P
Selenium		280.5425		286.5814		2.1		P
Silver	1.7	7.0169		6.9980		0.3		P
Sodium	830.6	3137.4625		3110.1611		0.9		P
Thallium		294.0708		295.2568		0.4		P
Vanadium		114.3568		114.3239		0.0		P
Zinc		137.7143		137.6585		0.0		P
Tin								NR

306743

LABORATORY CONTROL SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				4130.0	3564.2		2320.0	5940.0	86.3
Antimony				72.1	57.3		14.8	129.0	79.5
Arsenic				58.6	60.7		41.1	76.1	103.6
Barium				73.6	78.9		56.7	90.5	107.2
Beryllium				108.0	122.5		84.6	131.0	113.4
Cadmium				185.0	209.1		143.0	228.0	113.0
Calcium				1600.0	1702.8		1200.0	2000.0	106.4
Chromium				50.7	53.0		35.7	65.7	104.5
Cobalt				151.0	172.8		120.0	182.0	114.4
Copper				63.6	67.8		52.1	75.1	106.6
Iron				8610.0	7721.0		3760.0	13500.0	89.7
Lead				56.6	61.2		43.1	70.1	108.1
Magnesium				1310.0	1273.8		1010.0	1610.0	97.2
Manganese				295.0	315.1		238.0	352.0	106.8
Mercury				1.3	1.2		0.8	1.7	92.3
Nickel				75.4	86.9		59.0	91.7	115.3
Potassium				1520.0	1464.5		981.0	2060.0	96.3
Selenium				61.4	63.8		45.5	77.2	103.9
Silver				149.0	149.2		110.0	188.0	100.1
Sodium				243.0	209.3	B	15.1	472.0	86.1
Thallium				114.0	120.1		60.7	167.0	105.4
Vanadium				101.0	107.8		69.0	133.0	106.7
Zinc				69.6	68.2		51.1	88.1	98.0
Tin									

306744

LAB SAMPLE NO.

ICP SERIAL DILUTION

183699L

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X388 Batch No.: 9151

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	48155.84		49395.64		2.6		P
Antimony	4.54	U	22.70	U			P
Arsenic	22.85		26.26		14.9		P
Barium	229.28		233.78	B	2.0		P
Beryllium	2.81		3.34	B	18.9		P
Cadmium	0.37	U	1.85	U			P
Calcium	8274.72		8613.20	B	4.1		P
Chromium	113.21		119.98		6.0		P
Cobalt	31.26	B	32.74	B	4.7		P
Copper	34.18		32.97	B	3.5		P
Iron	84351.01		87834.46		4.1		P
Lead	39.96		38.80		2.9		P
Magnesium	17312.08		18092.87	B	4.5		P
Manganese	2266.09		2343.11		3.4		P
Mercury							NR
Nickel	68.48		71.73	B	4.7		P
Potassium	6658.29		7637.94	B	14.7		P
Selenium	4.53	U	22.65	U			P
Silver	1.12	U	5.60	U			P
Sodium	818.38	B	1759.10	U	100.0		P
Thallium	4.14	U	20.70	U			P
Vanadium	121.17		124.88	B	3.1		P
Zinc	187.14		209.88		12.2		P

306745

ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9151__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 02/17/00 End Date: 02/17/00

Lab 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	SN
D1-BLANK	1.00	1634		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
STD2	1.00	1639		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
STD3	1.00	1644		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
STD4	1.00	1650		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1657																									
ICV/CCV	1.00	1702		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB/CCB	1.00	1707		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.00	1712		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1718		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1723																									
ZZZZZZ	1.00	1728																									
SS021700	1.00	1738		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
BS021700	1.00	1743		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCSS-242	2.00	1749		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS-242-D	2.00	1754		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183699D	2.00	1759		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183699	2.00	1804		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	1810		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1815		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183699L	2.00	1820		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	
183699MS	2.00	1826		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	
83699MSD	2.00	1831		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	
ZZZZZZ	2.00	1836																									
183701	2.00	1841		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	
ZZZZZZ	2.00	1847																									
183814	2.00	1852				X	X		X		X				X							X					
183815	2.00	1857				X	X		X		X				X							X					
183818	2.00	1902				X	X		X		X				X							X					
183819	2.00	1908				X	X		X		X				X							X					
CCV	1.00	1913		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1918		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183820	2.00	1924				X	X		X		X				X							X					

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ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9151__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 02/17/00 End Date: 02/17/00

Lab 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	SN
183821	2.00	1929				X	X		X		X				X							X					
183823	2.00	1934				X	X		X		X				X							X					
183528	2.00	1939			X	X		X	X		X		X		X				X			X		X		X	
183807	2.00	1945			X	X		X	X		X		X		X				X			X		X		X	
183927	100.00	1950											X														
183928	50.00	1955											X														
183929	100.00	2001											X														
183481	2.00	2006							X				X		X											X	
183482	2.00	2011							X				X		X											X	
CCV	1.00	2016		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2022		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183839	5.00	2027													X												
183841	5.00	2032													X												
183842	1.00	2038													X												
ICSA	1.00	2043		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	2048		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2053		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2059		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

306747

ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9151__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 02/18/00 End Date: 02/18/00

Lab 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	SN
D1-BLANK	1.00	1743		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
STD2	1.00	1748		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
STD3	1.00	1753		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
STD4	1.00	1759		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1806																									
ICV/CCV	1.00	1811		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB/CCB	1.00	1816		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.00	1821		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1827		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1836																									
ZZZZZZ	1.00	1841																									
ZZZZZZ	1.00	1847																									
ZZZZZZ	1.00	1852																									
ZZZZZZ	1.00	1857																									
ZZZZZZ	1.00	1903																									
ZZZZZZ	1.00	1908																									
ZZZZZZ	1.00	1913																									
CCV	1.00	1918		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	1924		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1929																									
ZZZZZZ	1.00	1934																									
ZZZZZZ	1.00	1940																									
ZZZZZZ	2.00	1945																									
ZZZZZZ	2.00	1950																									
ZZZZZZ	2.00	1955																									
ZZZZZZ	2.00	2001																									
ZZZZZZ	2.00	2006																									
ZZZZZZ	2.00	2011																									
ZZZZZZ	1.00	2016																									
CCV	1.00	2022		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2027		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	2.00	2032																									

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ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9151__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 02/18/00 End Date: 02/18/00

Lab 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	SN
ZZZZZZ	1.00	2038																									
ZZZZZZ	1.00	2043																									
ZZZZZZ	1.00	2048																									
ZZZZZZ	1.00	2053																									
ZZZZZZ	1.00	2059																									
ZZZZZZ	1.00	2104																									
ZZZZZZ	1.00	2109																									
ZZZZZZ	1.00	2115																									
ZZZZZZ	1.00	2120																									
CCV	1.00	2125		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2130		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	2136																									
ZZZZZZ	1.00	2141																									
ICSA	1.00	2146		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	2152		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2157		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2202		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183699L	2.00	2207																			X						
183699MS	2.00	2213																			X						
83699MSD	2.00	2218																			X						
183701	2.00	2223																			X						
183703	10.00	2229		X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183703	20.00	2234								X																	
183814	2.00	2239																			X						
183815	2.00	2244																			X						
183818	2.00	2250																			X						
183819	2.00	2255																			X						
CCV	1.00	2300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2306		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
183820	2.00	2311																			X						
183821	2.00	2316																			X						
183823	2.00	2322																			X						

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ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9151__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 02/18/00 End Date: 02/18/00

Lab 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	SN
183528	2.00	2327																			X						
183807	2.00	2332																			X						
ICSA	1.00	2337		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	2343		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	2348		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	2353		X	X	X	X	X	X	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: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9151__

Instrument ID Number: LEEMANPS200-_ Method: CV

Start Date: 02/17/00 End Date: 02/17/00

Lab 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	SN
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
STD1	1.00	1134		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
STD2	1.00	1136		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
STD3	1.00	1139		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
STD4	1.00	1141		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
STD5	1.00	1143		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
STD6	1.00	1145		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
ICV/ACCV	1.00	1149		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
ICB/CCB_	1.00	1151		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
BS021700	1.00	1153		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
SS021700	1.00	1156		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
LCSS-242	2.00	1158		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
SS-242-D	2.00	1201		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183699__	1.00	1203		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183699D_	1.00	1205		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183699MS	1.00	1208		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
83699MSD	1.00	1210		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183701__	1.00	1213		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183703__	1.00	1215		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
CCV	1.00	1217		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
CCB	1.00	1220		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183814__	1.00	1222		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183815__	1.00	1225		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183818__	1.00	1227		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183819__	1.00	1229		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183820__	1.00	1231		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183821__	1.00	1234		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183823__	1.00	1236		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183528__	1.00	1238		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
183807__	1.00	1240		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
CCV	1.00	1243		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
CCB	1.00	1246		_	_	_	_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

306751

File : 9151T1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1-BLANK		3		1.0	02/17/00	16:34:00	
2	STD2		3		1.0	02/17/00	16:39:00	
3	STD3		3		1.0	02/17/00	16:44:00	
4	STD4		3		1.0	02/17/00	16:50:00	
5	HSA		0		1.0	02/17/00	16:57:00	
6	ICV/CCV1		0		1.0	02/17/00	17:02:00	
7	ICB/CCB1		0		1.0	02/17/00	17:07:00	
8	ICSA1		0		1.0	02/17/00	17:12:00	
9	ICSAB1		0		1.0	02/17/00	17:18:00	
10	INT-20		0		1.0	02/17/00	17:23:00	
11	MCL		0		1.0	02/17/00	17:28:00	
12	BSS021700		0		1.0	02/17/00	17:38:00	
13	PBS021700		0		1.0	02/17/00	17:43:00	
14	LCSS-242		0		2.0	02/17/00	17:49:00	
15	LCSS-242-D		0		2.0	02/17/00	17:54:00	
16	183699D		0		2.0	02/17/00	17:59:00	
17	183699		0		2.0	02/17/00	18:04:00	
18	CCV2		0		1.0	02/17/00	18:10:00	
19	CCB2		0		1.0	02/17/00	18:15:00	
20	183699L		0		2.0	02/17/00	18:20:00	
21	183699MS		0		2.0	02/17/00	18:26:00	
22	183699MSD		0		2.0	02/17/00	18:31:00	
23	183699A		0		2.0	02/17/00	18:36:00	
24	183701		0		2.0	02/17/00	18:41:00	
25	183703		0		2.0	02/17/00	18:47:00	
26	183814		0		2.0	02/17/00	18:52:00	
27	183815		0		2.0	02/17/00	18:57:00	
28	183818		0		2.0	02/17/00	19:02:00	
29	183819		0		2.0	02/17/00	19:08:00	
30	CCV3		0		1.0	02/17/00	19:13:00	
31	CCB3		0		1.0	02/17/00	19:18:00	
32	183820		0		2.0	02/17/00	19:24:00	
33	183821		0		2.0	02/17/00	19:29:00	
34	183823		0		2.0	02/17/00	19:34:00	
35	183528		0		2.0	02/17/00	19:39:00	
36	183807		0		2.0	02/17/00	19:45:00	
37	183927		0		100.0	02/17/00	19:50:00	
38	183928		0		50.0	02/17/00	19:55:00	
39	183929		0		100.0	02/17/00	20:01:00	
40	183481		0		2.0	02/17/00	20:06:00	
41	183482		0		2.0	02/17/00	20:11:00	
42	CCV4		0		1.0	02/17/00	20:16:00	
43	CCB4		0		1.0	02/17/00	20:22:00	
44	183839		0		5.0	02/17/00	20:27:00	
45	183841		0		5.0	02/17/00	20:32:00	
46	183842		0		1.0	02/17/00	20:38:00	
47	ICSA2		0		1.0	02/17/00	20:43:00	
48	ICSAB2		0		1.0	02/17/00	20:48:00	
49	CCV5		0		1.0	02/17/00	20:53:00	
50	CCB5		0		1.0	02/17/00	20:59:00	

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HSA	9151T1	1_SW846	02/17/00	16:57		S	CONC
2	ICV/CCV1	9151T1	1_SW846	02/17/00	17:02		S	CONC
3	ICB/CCB1	9151T1	1_SW846	02/17/00	17:07		S	CONC
4	ICSA1	9151T1	1_SW846	02/17/00	17:12		S	CONC
5	ICSAB1	9151T1	1_SW846	02/17/00	17:18		S	CONC
6	INT-20	9151T1	1_SW846	02/17/00	17:23		S	CONC
7	MCL	9151T1	1_SW846	02/17/00	17:28		S	CONC
8	BSS021700	9151T1	1_SW846	02/17/00	17:38		S	CONC
9	PBS021700	9151T1	1_SW846	02/17/00	17:43		S	CONC
10	LCSS-242-2X	9151T1	1_SW846	02/17/00	17:49		S	CONC
11	LCSS-242-D-2X	9151T1	1_SW846	02/17/00	17:54		S	CONC
12	183699D-2X	9151T1	1_SW846	02/17/00	17:59		S	CONC
13	183699-2X	9151T1	1_SW846	02/17/00	18:04		S	CONC
14	CCV2	9151T1	1_SW846	02/17/00	18:10		S	CONC
15	CCB2	9151T1	1_SW846	02/17/00	18:15		S	CONC
16	183699L-2X	9151T1	1_SW846	02/17/00	18:20		S	CONC
17	183699MS-2X	9151T1	1_SW846	02/17/00	18:26		S	CONC
18	183699MSD-2X	9151T1	1_SW846	02/17/00	18:31		S	CONC
19	183699A-2X	9151T1	1_SW846	02/17/00	18:36		S	CONC
20	183701-2X	9151T1	1_SW846	02/17/00	18:41		S	CONC
21	183703-2X	9151T1	1_SW846	02/17/00	18:47		S	CONC
22	183814-2X	9151T1	1_SW846	02/17/00	18:52		S	CONC
23	183815-2X	9151T1	1_SW846	02/17/00	18:57		S	CONC
24	183818-2X	9151T1	1_SW846	02/17/00	19:02		S	CONC
25	183819-2X	9151T1	1_SW846	02/17/00	19:08		S	CONC
26	CCV3	9151T1	1_SW846	02/17/00	19:13		S	CONC
27	CCB3	9151T1	1_SW846	02/17/00	19:18		S	CONC
28	183820-2X	9151T1	1_SW846	02/17/00	19:24		S	CONC
29	183821-2X	9151T1	1_SW846	02/17/00	19:29		S	CONC
30	183823-2X	9151T1	1_SW846	02/17/00	19:34		S	CONC
31	183528-2X	9151T1	1_SW846	02/17/00	19:39		S	CONC
32	183807-2X	9151T1	1_SW846	02/17/00	19:45		S	CONC
33	183927-100X	9151T1	1_SW846	02/17/00	19:50		S	CONC
34	183928-50X	9151T1	1_SW846	02/17/00	19:55		S	CONC
35	183929-100X	9151T1	1_SW846	02/17/00	20:01		S	CONC
36	183481-2X	9151T1	1_SW846	02/17/00	20:06		S	CONC
37	183482-2X	9151T1	1_SW846	02/17/00	20:11		S	CONC
38	CCV4	9151T1	1_SW846	02/17/00	20:16		S	CONC
39	CCB4	9151T1	1_SW846	02/17/00	20:22		S	CONC
40	183839-5X	9151T1	1_SW846	02/17/00	20:27		S	CONC
41	183841-5X	9151T1	1_SW846	02/17/00	20:32		S	CONC
42	183842	9151T1	1_SW846	02/17/00	20:38		S	CONC
43	ICSA2	9151T1	1_SW846	02/17/00	20:43		S	CONC
44	ICSAB2	9151T1	1_SW846	02/17/00	20:48		S	CONC
45	CCV5	9151T1	1_SW846	02/17/00	20:53		S	CONC
46	CCB5	9151T1	1_SW846	02/17/00	20:59		S	CONC

DE
2-18-00

306753

#	Sample Name	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179
1	HSA	493700.	9816.	19410.	1934.	4775.	241600.
2	ICV/CCV1	246200.	4917.	9780.	980.0	2484.	123700.
3	ICB/CCB1	40.97	1.605	1.680	.2486	.4020	20.82
4	ICSA1	494600.	2.974	1.929	.0607	.9322	463300.
5	ICSAB1	490400.	99.99	103.6	96.75	97.10	463800.
6	INT-20	-81.35	-.2317	-2.205	-22.82	-.3248	115.0
7	MCL	227.1	21.26	51.28	5.021	4.967	5066.
8	BSS021700	1852.	1844.	1895.	48.64	48.06	18950.
9	PBS021700	34.49	-.0528	.8287	.0446	-.0739	95.51
10	LCSS-242-2X	17820.	303.3	394.7	612.4	1046.	8514.
11	LCSS-242-D-2X	18250.	285.9	374.1	556.0	990.0	7941.
12	183699D-2X	48610.	23.27	232.9	2.773	-.0196	8057.
13	183699-2X	48160.	22.85	229.3	2.812	-.3014	8275.
14	CCV2	244200.	4913.	9779.	982.6	2487.	123900.
15	CCB2	27.52	-.2663	.8132	.2107	.1308	8.728
16	183699L-2X	9879.	5.251	46.76	.6666	-.1433	1723.
17	183699MS-2X	51900.	887.1	1121.	25.34	22.05	17250.
18	183699MSD-2X	51670.	887.3	1124.	25.33	21.84	17310.
19	183699A-2X	50280.	1885.	2126.	50.71	47.23	27360.
20	183701-2X	32690.	17.33	269.1	1.875	-1.067	9269.
21	183703-2X	258.9	1.714	34.29	.0923	-.2627	H1416e3
22	183814-2X	14990.	7.959	79.54	.7588	-.3619	3793.
23	183815-2X	22750.	29.21	107.1	1.234	-.4575	7485.
24	183818-2X	36100.	20.75	355.8	1.712	.0977	117000.
25	183819-2X	17920.	10.37	281.6	1.036	.4936	114400.
26	CCV3	243500.	4953.	9761.	994.4	2530.	124900.
27	CCB3	20.86	-2.037	.7888	.1506	.1650	16.45
28	183820-2X	22120.	8.802	224.3	1.082	-.0758	5416.
29	183821-2X	17970.	4.472	151.5	.9372	-.2843	4919.
30	183823-2X	19120.	10.77	342.7	1.376	.0715	48100.
31	183528-2X	12850.	4.623	100.5	.4468	-.0545	14230.
32	183807-2X	15220.	10.84	240.9	.6339	1.644	13620.
33	183927-100X	1807.	-.0825	4.099	.1093	.2531	208.3
34	183928-50X	1364.	-1.836	235.6	.0674	.6582	12100.
35	183929-100X	1791.	-.5879	4.652	.1143	.5447	289.3
36	183481-2X	63570.	15.42	329.3	2.567	-.4847	6107.
37	183482-2X	62350.	36.40	186.5	2.936	-.6887	5889.
38	CCV4	244700.	4915.	9831.	974.3	2476.	123100.
39	CCB4	17.44	-.5940	.8097	.1880	.2162	13.32
40	183839-5X	8316.	9.270	781.9	.4953	6.097	14720.
41	183841-5X	14170.	7.706	352.0	.7661	4.024	8840.
42	183842	-12.37	2.358	.1149	.0203	-.1605	27.64
43	ICSA2	497000.	-.3167	1.180	-.0257	1.079	467500.
44	ICSAB2	496000.	99.16	103.2	95.37	97.57	463900.
45	CCV5	247100.	4967.	9724.	973.7	2494.	124500.
46	CCB5	28.12	-.0425	.6702	.1545	.1158	35.85

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#	Sample Name	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576
1	HSA	9717.	4839.	24820.	195900.	245300.	9663.
2	ICV/CCV1	4932.	2461.	12270.	98780.	122400.	4948.
3	ICB/CCB1	.7685	.6411	2.177	23.66	23.70	.8333
4	ICSA1	1.738	-.3132	-1.129	193100.	502300.	1.531
5	ICSAB1	100.5	94.78	101.1	193100.	501100.	99.06
6	INT-20	20780.	20890.	-5.454	194.4	-26.87	19530.
7	MCL	25.13	56.23	51.47	224.0	5220.	24.38
8	BSS021700	195.4	479.3	234.2	951.1	18820.	477.6
9	PBS021700	1.518	.3660	.4829	11.98	16.37	.2564
10	LCSS-242-2X	265.0	863.9	338.9	38600.	6369.	1575.
11	LCSS-242-D-2X	248.3	782.4	315.6	40850.	6344.	1481.
12	183699D-2X	110.0	30.94	38.11	81070.	16670.	2002.
13	183699-2X	113.2	31.26	34.18	84350.	17310.	2266.
14	CCV2	4949.	2462.	12240.	98730.	122900.	4959.
15	CCB2	.3335	.5468	.6510	22.00	12.72	.5947
16	183699I-2X	24.00	6.549	6.594	17570.	3619.	468.6
17	183699MS-2X	207.7	257.8	144.2	84500.	26640.	2346.
18	183699MSD-2X	207.9	258.5	145.1	85370.	26540.	2309.
19	183699A-2X	306.4	513.5	266.9	85720.	36040.	2743.
20	183701-2X	85.86	29.93	143.6	99520.	6301.	993.0
21	183703-2X	12.05	.2300	.0758	216.5	9803.	10.85
22	183814-2X	42.61	13.78	35.11	40780.	5643.	730.7
23	183815-2X	52.86	15.77	44.82	48410.	6138.	918.2
24	183818-2X	64.61	17.41	70.11	49650.	16100.	1015.
25	183819-2X	48.21	17.62	80.33	51130.	40990.	1085.
26	CCV3	4983.	2482.	12340.	98870.	123900.	4993.
27	CCB3	.6637	.5460	.9694	23.70	15.98	.4446
28	183820-2X	46.71	16.28	57.52	44210.	5609.	944.6
29	183821-2X	42.08	18.84	53.24	41330.	5783.	967.9
30	183823-2X	57.49	22.01	81.98	60070.	7834.	1209.
31	183528-2X	29.25	3.844	683.5	16560.	1270.	107.5
32	183807-2X	120.3	8.759	108.1	47710.	4059.	307.8
33	183927-100X	4.019	1.656	9689.	2704.	2121.	26.29
34	183928-50X	5.524	1.073	8523.	2335.	1270.	332.3
35	183929-100X	3.820	1.654	9391.	2637.	2020.	33.76
36	183481-2X	62.70	22.53	38.35	66100.	10650.	1129.
37	183482-2X	62.95	49.23	82.40	122100.	21750.	2364.
38	CCV4	4937.	2468.	12180.	99570.	122400.	4936.
39	CCB4	.8322	.6888	1.170	23.65	13.56	.5048
40	183839-5X	69.65	12.89	177.9	46700.	2019.	638.5
41	183841-5X	56.46	18.40	183.6	42590.	4908.	667.3
42	183842	.0420	-.1947	.7205	6.132	-4.111	.0298
43	ICSA2	1.457	-.7397	-2.132	201900.	511900.	.9300
44	ICSAB2	101.3	97.11	97.87	202300.	508400.	98.16
45	CCV5	4989.	2522.	11880.	103500.	124700.	4937.
46	CCB5	.4664	.5403	.5249	21.12	30.52	.2627

306755

#	Sample Name	Ni2316	K_7664	Ag3280	Na3302	Tl1908	V_2924
1	HSA	4800.	100600.	2526.	250500.	9744.	4863.
2	ICV/CCV1	2467.	51090.	1222.	122500.	4923.	2462.
3	ICB/CCB1	.5186	183.6	.1758	-229.0	-.1947	.5263
4	ICSA1	2.075	141.2	.3751	-319.7	-6.631	1.169
5	ICSAB1	97.63	11610.	102.1	9997.	90.28	100.1
6	INT-20	20900.	190.3	.1913	-1059.	20.34	20000.
7	MCL	57.37	11110.	20.15	10060.	21.79	55.73
8	BSS021700	483.3	18500.	45.69	18580.	1905.	478.2
9	PBS021700	.5759	204.5	.4726	-271.1	-.4120	.1711
10	LCSS-242-2X	434.5	7322.	745.9	1046.	600.6	539.2
11	LCSS-242-D-2X	394.1	7359.	751.3	658.8	597.0	503.8
12	183699D-2X	66.78	6594.	-.0952	712.1	-.5573	117.7
13	183699-2X	68.48	6658.	-.2357	818.4	-1.822	121.2
14	CCV2	2469.	50940.	1219.	121900.	4910.	2467.
15	CCB2	-.1940	202.2	.1510	-475.1	-.6554	.2785
16	183699I-2X	14.35	1528.	-.3023	-71.25	-.5234	24.98
17	183699MS-2X	298.3	15320.	21.12	9444.	885.2	344.2
18	183699MSD-2X	298.0	15450.	21.06	9362.	888.7	344.1
19	183699A-2X	552.6	25310.	44.83	19340.	1900.	595.2
20	183701-2X	38.07	3837.	.2822	-44.46	2.387	162.7
21	183703-2X	1.884	677.9	-.2209	12740.	-.1737	3.325
22	183814-2X	43.88	2284.	-.1010	-48.98	-1.859	49.42
23	183815-2X	47.26	2301.	-.2677	364.8	-.8313	62.67
24	183818-2X	41.66	2667.	.4494	348.3	-1.338	82.98
25	183819-2X	47.81	2931.	.1155	246.1	.9400	74.99
26	CCV3	2494.	50680.	1218.	121300.	4902.	2496.
27	CCB3	.5445	211.6	.4463	-317.8	-.9325	.3462
28	183820-2X	44.67	2116.	-.1815	177.7	-1.453	61.61
29	183821-2X	47.20	2498.	-.1949	11.96	.6239	57.98
30	183823-2X	41.99	3256.	.4330	474.1	-1.895	88.29
31	183528-2X	12.65	1180.	-.1216	173.8	-1.768	22.51
32	183807-2X	110.3	1927.	1.486	361.7	-.8015	39.31
33	183927-100X	3.684	278.1	7.210	-451.5	-1.490	6.066
34	183928-50X	3.080	264.4	6.461	-427.4	-1.460	4.835
35	183929-100X	3.749	284.7	6.060	-433.9	-1.044	5.823
36	183481-2X	57.05	2199.	-.3278	-29.98	.0110	98.29
37	183482-2X	109.9	2307.	-.0590	-43.49	-1.192	79.30
38	CCV4	2465.	51110.	1219.	121300.	4922.	2448.
39	CCB4	.1722	199.6	.0416	-553.1	-2.009	.0882
40	183839-5X	41.18	1758.	.8408	212.4	-2.164	30.54
41	183841-5X	38.92	2258.	.4107	81.78	-.7182	62.51
42	183842	.0353	164.8	-.1853	-413.6	-3.523	-.1443
43	ICSA2	1.678	187.5	.3127	-280.8	-3.863	1.277
44	ICSAB2	98.33	11680.	102.5	10160.	89.23	97.37
45	CCV5	2498.	50710.	1217.	121400.	5010.	2397.
46	CCB5	-.0246	219.2	.0062	-398.1	-.5668	-.1210

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#	Sample Name	Zn2138	Mo2020	Sr4215	Ti3349	Pb2203	Se1960
1	HSA	4831.	4890.	9571.	19880.	19260.	9824.
2	ICV/CCV1	2469.	2509.	4814.	9746.	9920.	4948.
3	ICB/CCB1	1.345	4.200	.7082	2.897	1.063	4.753
4	ICSA1	-2.206	.2317	-1.150	.9407	.1202	-1.609
5	ICSAB1	98.90	96.81	101.8	96.83	93.90	97.41
6	INT-20	4.697	19660.	17780.	20080.	1.985	2.844
7	MCL	54.25	78.39	16.47	54.20	9.567	12.30
8	BSS021700	476.4	487.5	482.0	473.8	470.5	1852.
9	PBS021700	6.014	1.694	.1135	1.130	-.7263	4.083
10	LCSS-242-2X	341.2	371.7	353.8	844.5	306.0	318.9
11	LCSS-242-D-2X	335.7	369.4	323.1	891.4	289.3	312.9
12	183699D-2X	183.4	1.510	73.57	1752.	42.64	4.023
13	183699-2X	187.1	1.438	71.42	1775.	39.97	2.939
14	CCV2	2474.	2508.	4821.	9755.	9859.	4889.
15	CCB2	1.704	3.315	.2710	1.457	-.0350	3.462
16	183699L-2X	41.98	.5591	14.56	366.4	7.761	2.808
17	183699MS-2X	414.5	217.6	300.9	2033.	259.4	862.3
18	183699MSD-2X	414.4	218.6	302.9	2026.	278.8	862.4
19	183699A-2X	664.1	480.7	558.4	2257.	512.9	1876.
20	183701-2X	151.1	3.012	62.35	1422.	280.8	1.073
21	183703-2X	5.723	.6487	H30670.	47.93	.3546	2.708
22	183814-2X	89.62	1.375	28.43	788.5	47.95	2.557
23	183815-2X	125.4	1.761	24.49	769.6	132.4	3.063
24	183818-2X	350.2	4.235	581.7	1315.	568.7	5.649
25	183819-2X	445.2	2.068	243.2	976.5	312.2	2.192
26	CCV3	2528.	2525.	4821.	9770.	10060.	4960.
27	CCB3	1.671	3.341	.2897	2.159	-.2570	H5.365
28	183820-2X	178.1	2.006	36.09	857.9	303.2	4.617
29	183821-2X	151.2	1.353	33.25	823.0	97.72	6.412
30	183823-2X	397.5	2.012	232.8	1029.	369.1	4.726
31	183528-2X	107.7	1.338	33.27	235.5	89.97	2.131
32	183807-2X	931.6	9.022	62.53	424.9	721.0	2.677
33	183927-100X	21.25	.8789	.6570	11.68	2.238	4.039
34	183928-50X	13.48	.5241	11.63	3.879	.7118	3.140
35	183929-100X	24.62	.1704	.9515	12.38	3.088	2.313
36	183481-2X	179.8	1.904	55.60	400.3	100.8	1.471
37	183482-2X	206.9	4.384	57.81	281.2	62.76	4.264
38	CCV4	2466.	2505.	4841.	9801.	9865.	4942.
39	CCB4	1.626	2.742	.2810	1.937	-.8766	3.788
40	183839-5X	3457.	4.630	94.85	190.3	1086.	4.529
41	183841-5X	3303.	3.015	46.25	545.5	630.6	3.833
42	183842	2.704	-.2386	-.1420	-1.072	-.7090	2.111
43	ICSA2	-2.919	-1.092	-1.772	1.572	-2.161	-5.300
44	ICSAB2	98.16	95.51	101.0	98.46	92.72	97.72
45	CCV5	2465.	2510.	4777.	9882.	10060.	5008.
46	CCB5	1.662	3.031	.2241	.3922	-.5909	2.815

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#	Sample Name	Sb2068	B_2496
1	HSA	1996.	1972.
2	ICV/CCV1	987.7	1005.
3	ICB/CCB1	1.432	2.858
4	ICSA1	-5.189	-2.364
5	ICSAB1	95.94	100.5
6	INT-20	-168.4	-4.254
7	MCL	19.37	104.4
8	RSS021700	445.4	483.7
9	PBS021700	3.425	4.216
10	LCSS-242-2X	286.3	188.0
11	LCSS-242-D-2X	278.2	182.3
12	183699D-2X	-.7013	25.82
13	183699-2X	-2.719	25.52
14	CCV2	977.3	1000.
15	CCB2	-.1948	1.360
16	183699L-2X	.1909	5.658
17	183699MS-2X	81.12	235.1
18	183699MSD-2X	83.96	237.4
19	183699A-2X	467.1	510.4
20	183701-2X	-3.963	6.290
21	183703-2X	.3446	112.5
22	183814-2X	-.2039	2.912
23	183815-2X	-1.769	3.317
24	183818-2X	-1.187	35.46
25	183819-2X	-2.522	9.282
26	CCV3	984.6	1008.
27	CCB3	-1.954	.4341
28	183820-2X	-1.013	4.840
29	183821-2X	.6450	2.838
30	183823-2X	-1.034	7.987
31	183528-2X	-2.594	16.49
32	183807-2X	1.988	46.17
33	183927-100X	-.1322	.5598
34	183928-50X	-.7617	.5263
35	183929-100X	-1.582	1.161
36	183481-2X	.2789	2.172
37	183482-2X	-4.391	.8962
38	CCV4	983.0	997.7
39	CCB4	1.521	1.230
40	183839-5X	2.658	12.30
41	183841-5X	-3.882	5.230
42	183842	1.554	5.113
43	ICSA2	-4.555	-3.184
44	ICSAB2	93.13	99.54
45	CCV5	987.2	997.2
46	CCB5	.3897	.9076

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Method: 1_SW846 Standard: STD1-Blank
Run Time: 02/17/00 16:34:10

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	.1955	-.0047	.0013	-.0559	.0309	.2360	.0083
SDev	.0077	.0018	.0006	.0004	.0095	.0030	.0094
%RSD	3.916	38.23	46.81	.7104	30.59	1.263	112.5
#1	.1901	-.0060	.0017	-.0561	.0242	.2339	.0017
#2	.2010	-.0034	.0009	-.0556	.0376	.2381	.0150

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	-.0158	.1305	-.0183	.0120	.0026	-.0188	3.479
SDev	.0024	.0017	.0090	.0061	.0012	.0001	.030
%RSD	14.92	1.293	49.01	50.83	47.47	.3692	.8720
#1	-.0174	.1293	-.0247	.0077	.0017	-.0187	3.457
#2	-.0141	.1317	-.0120	.0162	.0034	-.0188	3.500

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Avge	-.1190	.0111	-.0273	-.0032	.0422	-.0104	.0137
SDev	.0068	.0097	.0097	.0020	.0010	.0003	.0031
%RSD	5.714	87.26	35.70	63.10	2.488	2.517	22.46
#1	-.1238	.0043	-.0204	-.0046	.0430	-.0106	.0115
#2	-.1142	.0180	-.0342	-.0018	.0415	-.0103	.0158

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	-.2939	-.1164	.0644	-.0008	-.0004	-.3822	.1064
SDev	.0644	.2079	.0040	.0217	.0054	.0521	.0877
%RSD	21.91	178.6	6.188	2671.	1303.	13.62	82.35
#1	-.2484	.0306	.0672	-.0162	-.0043	-.3454	.1684
#2	-.3395	-.2634	.0616	.0145	.0034	-.4190	.0445

Elem	B_2496
Avge	-.0030
SDev	.0030
%RSD	101.2
#1	-.0009
#2	-.0051

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1173	--	--	--	--	--	--
SDev	4.328612	--	--	--	--	--	--
%RSD	.3691762	--	--	--	--	--	--
#1	1176	--	--	--	--	--	--
#2	1169	--	--	--	--	--	--

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Method: 1_SW846 Standard: STD4
Run Time: 02/17/00 16:39:31

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	106.8	11.68	44.40	8.458	61.91	85.79	23.32
SDev	.2	.01	.03	.011	.01	.01	.03
%RSD	.2181	.0799	.0600	.1242	.0229	.0125	.1172
#1	106.6	11.67	44.41	8.465	61.92	85.78	23.30
#2	106.9	11.69	44.38	8.450	61.90	85.79	23.34

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280
Avge	15.93	30.90	20.73	47.92	19.90	50.25	3.946
SDev	.03	.04	.02	.03	.00	.08	.003
%RSD	.1912	.1193	.0894	.0616	.0161	.1563	.0722
#1	15.95	30.93	20.75	47.89	19.90	50.20	3.948
#2	15.91	30.88	20.72	47.94	19.90	50.31	3.944

Elem	Tl1908	V_2924	Zn2138	Mo2020	Sr4215	Ti3349	2203/1
Avge	11.48	3.520	13.24	17.25	109.0	160.3	230.6
SDev	.03	.001	.01	.01	.1	.1	.5
%RSD	.2323	.0233	.1045	.0665	.0604	.0483	.2062
#1	11.50	3.520	13.25	17.24	109.1	160.4	230.9
#2	11.46	3.519	13.23	17.26	109.0	160.2	230.3

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Avge	55.77	2.722	.6580	23.71	18.64	2.677
SDev	.14	.018	.0182	.17	.07	.003
%RSD	.2444	.6648	2.770	.7230	.3842	.1297
#1	55.67	2.709	.6708	23.84	18.69	2.679
#2	55.87	2.734	.6451	23.59	18.59	2.674

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1182	--	--	--	--	--	--
SDev	.5808254	--	--	--	--	--	--
%RSD	.0491527	--	--	--	--	--	--
#1	1182	--	--	--	--	--	--
#2	1181	--	--	--	--	--	--

Method: 1_SW846 Standard: STD3
Run Time: 02/17/00 16:44:50

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	533.6	57.30	216.6	41.14	296.7	416.9	113.5
SDev	1.2	.02	.4	.05	.3	.5	.1
%RSD	.2165	.0296	.1921	.1166	.1135	.1235	.0583
#1	534.4	57.29	216.9	41.17	297.0	417.3	113.5
#2	532.8	57.31	216.3	41.10	296.5	416.6	113.4

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280
Avge	77.16	153.4	101.6	233.4	96.59	240.9	20.46
SDev	.00	.4	.1	.2	.12	.1	.02
%RSD	.0040	.2830	.0574	.0645	.1270	.0581	.1174
#1	77.16	153.7	101.6	233.5	96.67	241.0	20.48
#2	77.16	153.1	101.7	233.3	96.50	240.8	20.45

Elem	Tl1908	V_2924	Zn2138	Mo2020	Sr4215	Ti3349	2203/1
Avge	56.04	17.19	64.27	84.74	525.0	799.1	1122.
SDev	.06	.03	.09	.10	.7	.5	.
%RSD	.1021	.1943	.1384	.1151	.1421	.0572	.0186
#1	56.08	17.22	64.33	84.68	525.6	799.4	1122.
#2	56.00	17.17	64.21	84.81	524.5	798.7	1122.

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Avge	268.1	13.71	3.284	118.4	91.17	13.27
SDev	1.5	.10	.019	.1	.88	.01
%RSD	.5478	.6987	.5858	.0910	.9638	.0657
#1	269.2	13.78	3.270	118.3	91.79	13.27
#2	267.1	13.64	3.298	118.4	90.55	13.26

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1152	--	--	--	--	--	--
SDev	2.941934	--	--	--	--	--	--
%RSD	.2554185	--	--	--	--	--	--
#1	1150	--	--	--	--	--	--
#2	1154	--	--	--	--	--	--

Method: 1_SW846 Standard: STD2
Run Time: 02/17/00 16:50:09

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	1043.	114.2	421.0	80.76	576.1	810.3	222.2
SDev	1.	.2	.5	.13	.8	1.5	.2
%RSD	.0853	.1824	.1126	.1590	.1448	.1826	.0924
#1	1044.	114.1	421.3	80.67	575.5	809.2	222.1
#2	1042.	114.4	420.7	80.85	576.7	811.3	222.4

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	150.0	308.0	198.5	463.0	188.0	467.2	173.6
SDev	.2	.4	.0	.9	.2	.7	.0
%RSD	.1594	.1189	.0056	.1987	.0926	.1450	.0047
#1	149.9	308.2	198.5	462.4	187.9	466.7	173.6
#2	150.2	307.7	198.5	463.7	188.1	467.6	173.6

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Avge	41.66	27.46	109.1	33.98	125.2	167.1	1010.
SDev	.06	.04	.1	.02	.2	.5	.

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%RSD	.1375	.1570	.0759	.0534	.1469	.3067	.0049
#1	41.70	27.43	109.1	33.97	125.1	166.7	1010.
#2	41.61	27.49	109.2	34.00	125.3	167.4	1010.

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	1595.	2188.	521.7	27.36	6.560	235.4	180.7
SDev	1.	7.	2.0	.16	.049	.9	.4
%RSD	.0416	.3343	.3852	.5797	.7409	.3644	.2061
#1	1595.	2183.	520.2	27.25	6.526	234.8	180.4
#2	1595.	2194.	523.1	27.47	6.595	236.0	181.0

Elem	K_2496
Avge	26.34
SDev	.02
%RSD	.0933
#1	26.33
#2	26.36

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1132	--	--	--	--	--	--
SDev	.4122488	--	--	--	--	--	--
%RSD	.0364143	--	--	--	--	--	--
#1	1132	--	--	--	--	--	--
#2	1132	--	--	--	--	--	--

Method: 1_SW846 Slope = Conc(STR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	472.595	-95.9005	12/31/99 11:20:10
As1890	189.042	Multiple	Standards	86.7964	.285907	12/31/99 11:20:10
Ba4394	439.409	Multiple	Standards	46.2292	-.526478	12/31/99 11:20:10
Be3130	313.042	Multiple	Standards	24.0628	1.29433	12/31/99 11:20:10
Cd2265	226.502	Multiple	Standards	8.42622	-.429912	12/31/99 11:20:10
Ca3179	317.933	Multiple	Standards	300.163	-76.9222	12/31/99 11:20:10
Cr2677	267.716	Multiple	Standards	43.9911	-.587679	12/31/99 11:20:10
Co2286	228.616	Multiple	Standards	32.5662	.373045	12/31/99 11:20:10
Cu3247	324.753	Multiple	Standards	81.3610	-10.6368	12/31/99 11:20:10
Fe2714	271.441	Multiple	Standards	985.252	14.1542	12/31/99 11:20:10
Mg2790	279.078	Multiple	Standards	532.380	-10.7010	12/31/99 11:20:10
Mn2576	257.610	Multiple	Standards	51.7444	-.390122	12/31/99 11:20:10
Ni2316	231.604	Multiple	Standards	10.3223	.021800	12/31/99 11:20:10
K_7664	766.491	STD2	STD1-Blank	.597572	5.92134	02/17/00 04:50:09
Ag3280	328.068	Multiple	Standards	60.7072	7.25181	12/31/99 11:20:10
Na3302	330.232	STD2	STD1-Blank	.675662	-.006013	02/17/00 04:50:09
Tl1908	190.864	Multiple	Standards	89.4595	2.20657	12/31/99 11:20:10
V_2924	292.402	Multiple	Standards	144.403	.374740	12/31/99 11:20:10
Zn2138	213.856	Multiple	Standards	39.3892	-1.78446	12/31/99 11:20:10
Mo2020	202.030	Multiple	Standards	29.4596	.232243	12/31/99 11:20:10
Sr4215	421.552	Multiple	Standards	9.53231	-.470712	12/31/99 11:20:10

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Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ti3349	334.941	Multiple	Standards	12.5145	3.61253	12/31/99 11:20:10
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
2203/1	220.351	Multiple	Standards	8.99228	.561004	12/31/99 11:20:10
2203/2	220.352	Multiple	Standards	36.9628	-2.99436	12/31/99 11:20:10
2068/1	206.831	Multiple	Standards	78.0626	.070663	12/31/99 11:20:10
2068/2	206.832	Multiple	Standards	308.922	.125205	12/31/99 11:20:10
1960/1	196.021	Multiple	Standards	42.0299	15.9564	12/31/99 11:20:10
1960/2	196.022	Multiple	Standards	54.2687	-5.90342	12/31/99 11:20:10
B_2496	249.678	Multiple	Standards	75.5603	.210203	12/31/99 11:20:10

Method: 1_SW846

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-Blank	.000000	-3.49132	3.49132
		STD4	50000.0	50363.1	-363.070
		STD3	250000.	252084.	-2084.27
		STD2	500000.	492780.	7219.72

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-Blank	.000000	-.120951	.120951
		STD4	1000.00	1014.14	-14.1441
		STD3	5000.00	4973.97	26.0322
		STD2	10000.0	9914.04	85.9590

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4394	439.409	STD1-Blank	.000000	-.467387	.467387
		STD4	2000.00	2051.84	-51.8411
		STD3	10000.0	10011.8	-11.8398
		STD2	20000.0	19462.6	537.438

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD1-Blank	.000000	-.049875	.049875
		STD4	200.000	204.810	-4.81004
		STD3	1000.00	991.125	8.87488
		STD2	2000.00	1944.57	55.4303

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD1-Blank	.000000	-.169254	.169254
		STD4	500.000	521.275	-21.2746
		STD3	2500.00	2499.82	.184082
		STD2	5000.00	4854.16	145.836

CorCoef: 0.99988

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD1-Blank	.000000	-6.07206	6.07206
		STD4	25000.0	25673.2	-673.170
		STD3	125000.	125068.	-67.6797
		STD2	250000.	243133.	6867.06

CorCoef: 0.99989

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD1-Blank	.000000	-.221109	.221109
		STD4	1000.00	1025.12	-25.1211
		STD3	5000.00	4992.10	7.90381
		STD2	10000.0	9774.80	225.203

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD1-Blank	.000000	-.140648	.140648
		STD4	500.000	519.205	-19.2049
		STD3	2500.00	2513.12	-13.1194
		STD2	5000.00	4886.17	113.828

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	STD1-Blank	.000000	-.019739	.019739
		STD4	2500.00	2503.67	-3.67480
		STD3	12500.0	12469.0	31.0215
		STD2	25000.0	25046.7	-46.6875

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD1-Blank	.000000	-3.89585	3.89585
		STD4	20000.0	20442.5	-442.486
		STD3	100000.	100164.	-163.703
		STD2	200000.	195616.	4383.92

CorCoef: 0.99992

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD1-Blank	.000000	-4.33825	4.33825
		STD4	25000.0	25498.3	-498.324
		STD3	125000.	124267.	733.313
		STD2	250000.	246483.	3516.59

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD1-Blank	.000000	-.257612	.257612
		STD4	1000.00	1029.29	-29.2870
		STD3	5000.00	4997.37	2.62744
		STD2	10000.0	9728.72	271.278

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD1-Blank	.000000	-.171880	.171880
		STD4	500.000	518.740	-18.7402
		STD3	2500.00	2486.22	13.7827
		STD2	5000.00	4822.24	177.762

CorCoef: 0.99987

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD1-Blank	8.00000	3.47850	4.52150
		STD2	109.636	173.560	-63.9240

Known Measured Residual

306764

Element	Wavelength	Standard	Concentration	Concentration	Concentration
Ag3280	328.068	STD1-Blank	.000000	.029875	-.029875
		STD4	250.000	246.808	3.19180
		STD3	1250.00	1249.53	.466553
		STD2	2500.00	2536.02	-36.0161

CorCoef: 0.99997

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	STD1-Blank	.001490	.011105	-.009615
		STD2	18.5458	27.4572	-8.91143

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD1-Blank	.000000	-.236568	.236568
		STD4	1000.00	1029.30	-29.3047
		STD3	5000.00	5015.88	-15.8799
		STD2	10000.0	9766.24	233.758

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD1-Blank	.000000	-.087704	.087704
		STD4	500.000	508.646	-8.64615
		STD3	2500.00	2482.94	17.0566
		STD2	5000.00	4907.75	92.2485

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2138	213.856	STD1-Blank	.000000	-.121635	.121635
		STD4	500.000	519.799	-19.7993
		STD3	2500.00	2529.83	-29.8313
		STD2	5000.00	4929.92	70.0806

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-Blank	.000000	-.075529	.075529
		STD4	500.000	508.464	-8.46368
		STD3	2500.00	2496.78	3.22290
		STD2	5000.00	4921.81	78.1914

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	STD1-Blank	.000000	-.340580	.340580
		STD4	1000.00	1038.72	-38.7181
		STD3	5000.00	5004.33	-4.33057
		STD2	10000.0	9630.41	369.594

CorCoef: 0.99979

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	STD1-Blank	.000000	-.065913	.065913
		STD4	2000.00	2009.66	-9.65991
		STD3	10000.0	10003.6	-3.59082
		STD2	20000.0	19964.3	35.7188

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD1-Blank	.000000	-.485469	.485469
		STD4	2000.00	2074.18	-74.1777
		STD3	10000.0	10089.4	-89.3945
		STD2	20000.0	19679.5	320.541

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD1-Blank	.000000	-.614520	.614520
		STD4	2000.00	2058.46	-58.4551
		STD3	10000.0	9907.88	92.1182
		STD2	20000.0	19279.1	720.861

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/1	206.831	STD1-Blank	.000000	.007213	-.007213
		STD4	200.000	212.523	-12.5230
		STD3	1000.00	1070.40	-70.3988
		STD2	2000.00	2135.97	-135.972

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/2	206.832	STD1-Blank	.000000	-.003437	.003437
		STD4	200.000	203.384	-3.38382
		STD3	1000.00	1014.61	-14.6078
		STD2	2000.00	2026.76	-26.7633

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD1-Blank	.000000	-.106696	.106696
		STD4	1000.00	1012.68	-12.6781
		STD3	5000.00	4990.96	9.03516
		STD2	10000.0	9908.09	91.9092

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	STD1-Blank	.000000	-.126661	.126661
		STD4	1000.00	1005.85	-5.85089
		STD3	5000.00	4941.76	58.2373
		STD2	10000.0	9801.02	198.984

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD1-Blank	.000000	-.015771	.015771

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STD4	200.000	202.463	-2.46310
STD3	1000.00	1002.76	-2.76434
STD2	2000.00	1990.69	9.30994

CorCoef: 0.99999

Method: 1_SW846 Sample Name: HSA Operator:
Run Time: 02/17/00 16:57:02
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493700.	9816.	19410.	1934.	4775.	241600.	9717.
SDev	716.	12.	37.	4.	12.	287.	14.
%RSD	.1451	.1249	.1890	.1846	.2499	.1189	.1477
#1	494200.	9825.	19440.	1937.	4784.	241800.	9727.
#2	493200.	9808.	19390.	1932.	4767.	241400.	9707.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	527200.	10540.	21080.	2108.	5272.	263600.	10540.
Low	472800.	9460.	18920.	1892.	4728.	236400.	9460.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4839.	24820.	195900.	245300.	9663.	4800.	100600.
SDev	5.	49.	136.	283.	12.	6.	38.
%RSD	.1002	.1955	.0692	.1154	.1280	.1340	.0377
#1	4842.	24860.	196000.	245500.	9672.	4805.	100600.
#2	4835.	24790.	195800.	245100.	9654.	4796.	100500.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5272.	26360.	210800.	263600.	10540.	5272.	105400.
Low	4728.	23640.	189200.	236400.	9460.	4728.	94600.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2526.	250500.	9744.	4863.	4831.	4890.	9571.
SDev	3.	304.	27.	11.	8.	2.	8.
%RSD	.1129	.1215	.2789	.2336	.1726	.0330	.0799
#1	2528.	250700.	9764.	4871.	4837.	4889.	9577.
#2	2524.	250300.	9725.	4855.	4825.	4891.	9566.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	263600.	10540.	5272.	5272.	5272.	10540.
Low	2364.	236400.	9460.	4728.	4728.	4728.	9460.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	19880.	19260.	9824.	1996.	19410.	19190.	2001.
SDev	19.	20.	24.	9.	28.	16.	4.
%RSD	.0972	.1029	.2450	.4293	.1460	.0811	.2061
#1	19900.	19280.	9841.	2002.	19430.	19200.	2004.
#2	19870.	19250.	9807.	1990.	19390.	19170.	1998.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	21080.	21080.	10540.	2108.			
Low	18920.	18920.	9460.	1892.			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	1988.	9848.	9813.	1972.			
SDev	17.	28.	22.	6.			
%RSD	.8792	.2817	.2266	.2921			
#1	2000.	9868.	9828.	1976.			
#2	1976.	9828.	9797.	1968.			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				2108.			
Low				1892.			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1126	--	--	--	--	--	--
SDev	.4497966	--	--	--	--	--	--
%RSD	.0399310	--	--	--	--	--	--
#1	1126	--	--	--	--	--	--
#2	1127	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICV/CCV1 Operator:
Run Time: 02/17/00 17:02:18
Comment: 503ITI
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	246200.	4917.	9780.	980.0	2484.	123700.	4932.
SDev	753.	5.	5.	1.7	3.	152.	7.
%RSD	.3059	.0982	.0561	.1741	.1319	.1228	.1358
#1	246700.	4913.	9784.	978.8	2482.	123600.	4927.
#2	245700.	4920.	9776.	981.2	2486.	123800.	4936.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2461.	12270.	98780.	122400.	4948.	2467.	51090.
SDev	2.	12.	44.	136.	3.	3.	203.
%RSD	.0751	.0986	.0442	.1109	.0573	.1104	.3974
#1	2460.	12280.	98810.	122300.	4946.	2469.	51240.
#2	2463.	12260.	98740.	122500.	4950.	2465.	50950.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

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High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1222.	122500.	4923.	2462.	2469.	2509.	4814.
SDev	2.	506.	4.	3.	2.	4.	1.
%RSD	.1322	.4134	.0839	.1254	.0677	.1419	.0269
#1	1223.	122800.	4925.	2460.	2468.	2507.	4813.
#2	1221.	122100.	4920.	2464.	2470.	2512.	4815.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	5520.
Low	1120.	112000.	4478.	2239.	2239.	2239.	4478.
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9746.	9920.	4948.	987.7	9938.	9911.	992.1
SDev	1.	27.	4.	.1	17.	32.	.4
%RSD	.0065	.2713	.0875	.0145	.1759	.3190	.0388
#1	9746.	9901.	4951.	987.6	9926.	9888.	992.3
#2	9746.	9939.	4944.	987.8	9950.	9933.	991.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	11040.	11040.	5520.	1104.			
Low	8960.	8960.	4478.	896.0			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	979.0	4956.	4943.	1005.			
SDev	1.2	4.	5.	2.			
%RSD	.1229	.0803	.0911	.1537			
#1	978.2	4959.	4947.	1006.			
#2	979.9	4953.	4940.	1004.			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				1104.			
Low				896.0			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1156	--	--	--	--	--	--
SDev	1.236746	--	--	--	--	--	--
%RSD	.1069939	--	--	--	--	--	--
#1	1155	--	--	--	--	--	--
#2	1157	--	--	--	--	--	--

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Method: 1_SW846 Sample Name: ICB/CCB1 Operator:
Run Time: 02/17/00 17:07:35
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40.97	1.605	1.680	.2486	.4020	20.82	.7685
SDev	4.12	.206	.141	.0134	.0173	2.27	.2643
%RSD	10.07	12.81	8.376	5.401	4.313	10.90	34.40
#1	38.06	1.750	1.580	.2391	.3897	19.21	.5816
#2	43.89	1.459	1.779	.2581	.4143	22.42	.9554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6411	2.177	23.66	23.70	.8333	.5186	183.6
SDev	.0263	.259	11.19	3.54	.1250	.0220	5.0
%RSD	4.107	11.91	47.31	14.93	15.00	4.249	2.720
#1	.6224	1.994	15.74	21.20	.7448	.5341	180.1
#2	.6597	2.360	31.58	26.20	.9217	.5030	187.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1758	-229.0	-.1947	.5263	1.345	4.200	.7082
SDev	.1001	221.1	1.4840	.2155	.155	1.561	.0754
%RSD	56.96	96.54	762.3	40.94	11.53	37.17	10.64
#1	.1050	-385.3	-1.244	.3739	1.235	5.304	.6549
#2	.2465	-72.67	.8547	.6786	1.454	3.096	.7615
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2.897	1.063	4.753	1.432	5.759	-1.294	.6723
SDev	.484	.417	.361	1.254	.632	.310	.8517
%RSD	16.72	39.23	7.600	87.57	10.98	23.95	126.7
#1	2.555	.7684	4.498	2.319	5.312	-1.513	1.274
#2	3.240	1.358	H5.009	.5452	6.206	-1.075	.0700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	2.933	4.205	5.017	2.858
SDev	2.060	.789	.148	.319
%RSD	70.22	18.77	2.941	11.16
#1	4.390	3.647	4.912	2.633
#2	1.477	4.764	5.121	3.084
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1184	--	--	--	--	--	--
SDev	1.424140	--	--	--	--	--	--
%RSD	.1202935	--	--	--	--	--	--
#1	1185	--	--	--	--	--	--
#2	1183	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICSAI Operator:
Run Time: 02/17/00 17:12:52
Comment: 5031TI
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494600.	2.974	1.929	.0607	.9322	463300.	1.738
SDev	833.	3.356	.124	.0038	.0666	1354.	.143
%RSD	.1685	112.8	6.435	6.192	7.149	.2922	8.256
#1	495200.	5.348	1.841	.0634	.9793	462300.	1.839
#2	494000.	.6012	2.016	.0581	.8851	464200.	1.636
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3132	-1.129	193100.	502300.	1.531	2.075	141.2
SDev	.0732	.449	201.	1210.	.017	.498	11.4
%RSD	23.36	39.74	.1041	.2410	1.088	24.00	8.077
#1	-.3649	-1.446	193000.	501400.	1.543	2.427	133.1
#2	-.2614	-.8119	193300.	503100.	1.520	1.723	149.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3751	-319.7	-6.631	1.169	-2.206	.2317	-1.150

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SDev	.0905	134.2	4.606	.621	.263	.3318	.048
%RSD	24.11	41.98	69.47	53.10	11.92	143.2	4.173
#1	.3112	-414.7	-3.374	.7303	-2.020	.4663	-1.116
#2	.4391	-224.8	-9.888	1.609	-2.392	-.0030	-1.184
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	50.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-50.00
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.9407	.1202	-1.609	-5.189	-12.03	6.173	-4.633
SDev	2.187	.1342	1.402	5.066	.39	.394	11.742
%RSD	232.4	111.6	87.14	97.64	3.267	6.377	253.4
#1	2.487	.2151	-2.601	-8.771	-12.31	6.451	-12.94
#2	-.6054	.0253	-.6177	-1.606	-11.75	5.895	3.670
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	20.00	5.000	10.00	10.00			
Low	-20.00	-5.000	-10.00	-10.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-6.323	1.796	-3.320	-2.364
SDev	8.305	7.316	5.755	.228
%RSD	131.3	407.4	173.3	9.628
#1	-.4506	6.969	-7.389	-2.525
#2	-12.20	-3.378	.7494	-2.203
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-15.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1130	--	--	--	--	--	--
SDev	3.860085	--	--	--	--	--	--
%RSD	.3416045	--	--	--	--	--	--
#1	1133	--	--	--	--	--	--
#2	1127	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICSAB1 Operator:
Run Time: 02/17/00 17:18:08
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	490400.	99.99	103.6	96.75	97.10	463800.	100.5
SDev	55.	.17	.0	.08	.10	746.	.2

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%RSD	.0113	.1745	.0142	.0833	.1012	.1609	.2038
#1	490400.	99.86	103.6	96.70	97.03	463300.	100.3
#2	490300.	100.1	103.6	96.81	97.16	464300.	100.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94.78	101.1	193100.	501100.	99.06	97.63	11610.
SDev	.25	.2	53.	501.	.18	.00	10.
%RSD	.2689	.1808	.0272	.1000	.1844	.0026	.0864
#1	94.60	101.0	193100.	500700.	98.93	97.63	11600.
#2	94.96	101.2	193000.	501500.	99.19	97.63	11620.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102.1	9997.	90.28	100.1	98.90	96.81	101.8
SDev	.0	194.	.23	.2	.06	.48	.1
%RSD	.0445	1.943	.2499	.2168	.0566	.4980	.0610
#1	102.1	9859.	90.44	100.3	98.86	97.15	101.7
#2	102.1	10130.	90.12	99.95	98.94	96.47	101.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	96.83	93.90	97.41	95.94	83.80	98.93	98.79
SDev	.34	.83	2.73	1.89	4.72	3.60	4.40
%RSD	.3527	.8864	2.798	1.970	5.631	3.643	4.455
#1	97.08	94.49	99.34	97.28	80.46	101.5	101.9
#2	96.59	93.31	95.49	94.61	87.14	96.38	95.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	120.0	120.0	120.0	120.0			
Low	80.00	80.00	80.00	80.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	90.22	96.39	97.91	100.5
SDev	3.14	1.57	4.87	1.2
%RSD	3.480	1.633	4.977	1.243
#1	88.00	95.28	101.4	101.3
#2	92.44	97.50	94.47	99.58

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				120.0
Low				80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1123	--	--	--	--	--	--
SDev	1.723918	--	--	--	--	--	--
%RSD	.1535114	--	--	--	--	--	--
#1	1122	--	--	--	--	--	--
#2	1124	--	--	--	--	--	--

Method: 1_SW846 Sample Name: INT-20 Operator:
Run Time: 02/17/00 17:23:24
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-81.35	-.2317	-2.205	-22.82	-.3248	115.0	20780.
SDev	6.81	2.2102	.004	.23	.0893	.3	28.
%RSD	8.369	954.0	.1994	1.019	27.50	.2969	.1335
#1	-86.17	1.331	-2.202	-22.98	-.2616	114.8	20800.
#2	-76.54	-1.795	-2.208	-22.66	-.3879	115.2	20760.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20890.	-5.454	194.4	-26.87	19530.	20900.	190.3
SDev	30.	.084	4.6	1.00	16.	25.	9.4
%RSD	.1441	1.545	2.390	3.722	.0837	.1191	4.942
#1	20910.	-5.395	197.7	-27.58	19550.	20920.	197.0
#2	20870.	-5.514	191.1	-26.16	19520.	20880.	183.7

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1913	-1059.	20.34	20000.	4.697	19660.	17780.
SDev	.3488	69.	2.90	17.	.114	24.	2.
%RSD	182.4	6.482	14.27	.0842	2.433	.1221	.0134
#1	.4379	-1107.	22.40	19990.	4.616	19640.	17780.
#2	-.0554	-1010.	18.29	20010.	4.778	19670.	17780.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	20080.	1.985	2.844	-168.4	-9.465	7.689	-251.7
SDev	25.	.424	.030	1.4	1.625	.176	.3
%RSD	.1242	21.34	1.043	.8402	17.17	2.292	.1276
#1	20090.	2.284	2.864	-167.4	-8.316	7.565	-251.5
#2	20060.	1.685	2.823	-169.4	-10.61	7.814	-251.9

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	-1.682	7.597	.4602	-4.254
SDev	3.606	2.618	1.351	1.120
%RSD	214.4	34.46	293.7	26.34
#1	.8682	5.746	1.416	-5.047
#2	-4.232	9.448	-.4954	-3.462

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1202	--	--	--	--	--	--
SDev	4.497189	--	--	--	--	--	--
%RSD	.3741710	--	--	--	--	--	--
#1	1199	--	--	--	--	--	--
#2	1205	--	--	--	--	--	--

Method: 1_SW846 Sample Name: MCI Operator:
Run Time: 02/17/00 17:28:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	227.1	21.26	51.28	5.021	4.967	5066.	25.13
SDev	3.2	1.76	.14	.021	.037	20.	.56
%RSD	1.425	8.272	.2824	.4196	.7412	.3891	2.222
#1	229.4	20.01	51.38	5.036	4.941	5080.	25.53
#2	224.8	22.50	51.18	5.006	4.993	5052.	24.74

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	56.23	51.47	224.0	5220.	24.38	57.37	11110.
SDev	.22	.20	4.6	19.	.47	.56	19.
%RSD	.3877	.3823	2.066	.3576	1.921	.9758	.1670
#1	56.39	51.33	220.8	5233.	24.71	57.77	11120.
#2	56.08	51.61	227.3	5206.	24.05	56.97	11100.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.15	10060.	21.79	55.73	54.25	78.39	16.47
SDev	.03	97.	.28	.49	.35	11.65	.39
%RSD	.1294	.9692	1.302	.8711	.6493	14.86	2.350
#1	20.17	9986.	21.99	56.08	54.50	86.63	16.74
#2	20.13	10120.	21.59	55.39	54.00	70.15	16.20

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	54.20	9.567	12.30	19.37	10.75	8.967	18.88
SDev	.39	1.135	.62	.76	1.53	.938	.31
%RSD	.7165	11.86	5.060	3.941	14.22	10.45	1.643

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#1	54.47	10.37	12.74	18.83	11.83	9.630	18.66
#2	53.93	8.764	11.86	19.91	9.665	8.304	19.10

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	20.34	17.70	9.589	104.4
SDev	1.67	1.10	.384	.5
%RSD	8.215	6.209	4.006	.4648
#1	19.16	18.47	9.861	104.7
#2	21.52	16.92	9.318	104.1

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1185	--	--	--	--	--	--
SDev	2.679617	--	--	--	--	--	--
%RSD	.2260850	--	--	--	--	--	--
#1	1187	--	--	--	--	--	--
#2	1183	--	--	--	--	--	--

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Method: 1_SW846 Sample Name: BSS021700 Operator:
Run Time: 02/17/00 17:38:31
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1852.	1844.	1895.	48.64	48.06	18950.	195.4
SDev	1.	1.	2.	.06	.26	54.	.1
%RSD	.0638	.0509	.0902	.1280	.5414	.2839	.0315
#1	1851.	1843.	1896.	48.60	47.88	18910.	195.5
#2	1853.	1845.	1894.	48.68	48.24	18990.	195.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2400.	2400.	2400.	60.00	60.00	24000.	240.0
Low	1600.	1600.	1600.	40.00	40.00	16000.	160.0

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	479.3	234.2	951.1	18820.	477.6	483.3	18500.
SDev	.2	.3	1.7	31.	.7	1.4	13.
%RSD	.0358	.1286	.1775	.1660	.1551	.2935	.0705
#1	479.2	234.0	949.9	18800.	477.0	482.3	18490.
#2	479.4	234.4	952.3	18850.	478.1	484.3	18510.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	300.0	1200.	24000.	600.0	600.0	24000.
Low	400.0	200.0	800.0	16000.	400.0	400.0	16000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45.69	18580.	1905.	478.2	476.4	487.5	482.0
SDev	.35	50.	5.	2.0	.7	1.9	.2
%RSD	.7648	.2690	.2583	.4082	.1380	.3880	.0475
#1	45.44	18550.	1909.	476.8	476.0	488.9	482.2
#2	45.94	18620.	1902.	479.6	476.9	486.2	481.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60.00	24000.	2400.	600.0	600.0	600.0	600.0
Low	40.00	16000.	1600.	400.0	400.0	400.0	400.0

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	473.8	470.5	1852.	445.4	473.9	468.8	446.9
SDev	.1	2.7	2.	4.0	1.2	3.4	4.4
%RSD	.0126	.5743	.1195	.8949	.2608	.7330	.9957
#1	473.8	468.6	1853.	442.5	473.0	466.4	443.8
#2	473.8	472.4	1850.	448.2	474.8	471.3	450.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	600.0	600.0	2400.	600.0			
Low	400.0	400.0	1600.	400.0			

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	442.3	1853.	1851.	483.7
SDev	3.1	6.	6.	1.1
%RSD	.6911	.3436	.3508	.2373
#1	440.1	1848.	1856.	482.9
#2	444.4	1857.	1846.	484.5
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				600.0
Low				400.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1154	--	--	--	--.	--	--
SDev	2.342291	--	--	--	--	--	--
%RSD	.2029747	--	--	--	--	--	--
#1	1152	--	--	--	--	--	--
#2	1156	--	--	--	--	--	--

Method: J_SW846 Sample Name: P8S021700 Operator:
Run Time: 02/17/00 17:43:47
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34.49	-.0528	.8287	.0446	-.0739	95.51	1.518
SDev	7.55	.6896	.0064	.0140	.1913	.37	.144
%RSD	21.88	1306.	.7774	31.26	259.0	.3879	9.496
#1	39.82	-.5404	.8333	.0348	-.2091	95.24	1.620
#2	29.15	.4348	.8242	.0545	.0614	95.77	1.416
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	5.000	20.00	4.900	4.900	500.0	9.900
Low	-199.0	-5.000	-20.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3660	.4829	11.98	16.37	.2564	.5759	204.5
SDev	.0281	.8958	3.00	3.12	.0284	.4752	5.4
%RSD	7.673	185.5	25.01	19.04	11.07	82.51	2.620
#1	.3461	1.116	14.10	14.17	.2364	.2399	208.3
#2	.3859	-.1505	9.862	18.58	.2765	.9119	200.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	9.900	99.00	500.0	9.900	9.900	1000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb.	ppb	ppb	ppb	ppb
Avge	.4726	-271.1	-.4120	.1711	6.014	1.694	.1135

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SDev	.3653	36.1	.8805	.5188	.027	.384	.0321
%RSD	77.28	13.30	213.7	303.1	.4445	22.68	28.25
#1	.2144	-245.6	-1.035	-.1957	6.032	1.965	.0908
#2	.7309	-296.6	.2106	.5380	5.995	1.422	.1362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	4.900	1000.	9.900	9.900	20.00	10.00	10.00
Low	-4.900	-1000.	-9.900	-9.900	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.130	-.7263	4.083	3.425	.1406	-1.169	3.455
SDev	.523	.0084	.790	.606	.8177	.396	.794
%RSD	46.23	1.150	19.34	17.70	581.4	33.84	22.99
#1	.7607	-.7204	3.525	3.853	.7188	-1.449	2.893
#2	1.500	-.7322	4.641	2.996	-.4375	-.8896	4.016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	10.00	2.900	4.900	9.900			
Low	-5.000	-2.900	-4.900	-9.900			

Elem	2068/2	1960/1	1960/2	8_2496
Units				ppb
Avge	3.344	3.818	4.205	4.216
SDev	3.411	.711	1.539	.211
%RSD	102.0	18.63	36.60	5.013
#1	5.756	4.321	3.117	4.066
#2	.9323	3.315	5.293	4.365
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1160	--	--	--	--	--	--
SDev	5.509080	--	--	--	--	--	--
%RSD	.4750030	--	--	--	--	--	--
#1	1156	--	--	--	--	--	--
#2	1164	--	--	--	--	--	--

Method: 1_SW846 Sample Name: LCSS-242-2X Operator:
Run Time: 02/17/00 17:49:04
Comment: 5062_W
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17820.	303.3	394.7	612.4	1046.	8514.	265.0
SDev	29.	1.6	.3	.9	2.	23.	.3

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%RSD	.1637	.5195	.0827	.1490	.2006	.2707	.1147
#1	17800.	304.4	395.0	611.7	1044.	8498.	264.8
#2	17840.	302.2	394.5	613.0	1047.	8530.	265.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	29700.	380.5	452.5	655.0	1140.	10000.	328.5
Low	11600.	205.5	283.5	423.0	715.0	6000.	178.5

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	863.9	338.9	38600.	6369.	1575.	434.5	7322.
SDev	.5	.2	4.	7.	2.	.0	16.
%RSD	.0553	.0488	.0101	.1042	.1241	.0102	.2169
#1	863.5	338.8	38610.	6364.	1574.	434.4	7311.
#2	864.2	339.0	38600.	6374.	1577.	434.5	7334.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	910.0	375.5	67500.	8050.	1760.	458.5	10300.
Low	600.0	260.5	18800.	5050.	1190.	295.0	4905.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	745.9	1046.	600.6	539.2	341.2	371.7	353.8
SDev	.8	74.	3.8	1.5	.4	.8	.0
%RSD	.1019	7.036	.6325	.2699	.1073	.2196	.0068
#1	746.4	994.4	603.3	538.2	340.9	371.2	353.8
#2	745.4	1099.	598.0	540.2	341.4	372.3	353.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	940.0	2360.	835.0	665.0	440.5	449.5	411.5
Low	550.0	75.50	303.5	345.0	255.5	278.5	234.5

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	844.5	306.0	318.9	286.3	309.4	304.3	285.8
SDev	1.7	1.4	3.5	.7	2.0	1.1	.0
%RSD	.2026	.4593	1.086	.2383	.6371	.3696	.0111
#1	843.3	305.0	321.3	286.7	308.0	303.5	285.8
#2	845.8	307.0	316.4	285.8	310.8	305.1	285.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	1565.	350.5	386.0	645.0			
Low	625.0	215.5	277.5	74.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	287.2	320.3	318.2	188.0
SDev	2.1	.6	4.9	.3
%RSD	.7355	.1752	1.544	.1627
#1	288.7	320.7	321.6	187.8
#2	285.7	319.9	314.7	188.2

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				359.0
Low				93.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1216	--	--	--	--	--	--
SDev	3.691422	--	--	--	--	--	--
%RSD	.3034670	--	--	--	--	--	--
#1	1214	--	--	--	--	--	--
#2	1219	--	--	--	--	--	--

Method: 1_SW846 Sample Name: LCSS-242-D-2X Operator:
Run Time: 02/17/00 17:54:21
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18250.	285.9	374.1	556.0	990.0	7941.	248.3
SDev	42.	.0	.2	1.2	2.9	13.	.6
%RSD	.2327	.0161	.0562	.2173	.2891	.1608	.2403
#1	18280.	286.0	374.2	556.9	992.0	7950.	248.8
#2	18220.	285.9	373.9	555.2	988.0	7932.	247.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	29700.	380.5	452.5	655.0	1140.	10000.	328.5
Low	11600.	205.5	283.5	423.0	715.0	6000.	178.5

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	782.4	315.6	40850.	6344.	1481.	394.1	7359.
SDev	.9	1.0	2.	19.	2.	1.0	22.
%RSD	.1194	.3129	.0051	.3032	.1374	.2524	.2971
#1	783.0	316.3	40850.	6358.	1482.	394.8	7374.
#2	781.7	314.9	40850.	6331.	1479.	393.4	7343.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	910.0	375.5	67500.	8050.	1760.	458.5	10300.
Low	600.0	260.5	18800.	5050.	1190.	295.0	4905.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	751.3	658.8	597.0	503.8	335.7	369.4	323.1
SDev	1.3	30.7	1.4	1.6	1.1	.8	.3
%RSD	.1704	4.654	.2283	.3123	.3407	.2035	.1029
#1	752.2	637.1	598.0	504.9	336.5	370.0	323.4
#2	750.4	680.5	596.1	502.7	334.9	368.9	322.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	940.0	2360.	835.0	665.0	440.5	449.5	411.5

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Low	550.0	75.50	303.5	345.0	255.5	278.5	234.5

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	891.4	289.3	312.9	278.2	290.7	288.5	278.7
SDev	1.6	1.2	1.9	.9	1.6	1.0	1.4
%RSD	.1828	.4088	.5930	.3247	.5383	.3442	.5033
#1	890.3	290.1	311.6	277.5	291.8	289.3	277.8
#2	892.6	288.4	314.2	278.8	289.6	287.8	279.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	1565.	350.5	386.0	645.0			
Low	625.0	215.5	227.5	74.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	276.9	312.9	312.9	182.3
SDev	.1	.4	2.6	1.3
%RSD	.0353	.1123	.8330	.7139
#1	277.0	312.6	311.0	183.2
#2	276.9	313.1	314.7	181.4
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				359.0
Low				93.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1210	--	--	--	--	--	--
SDev	2.773271	--	--	--	--	--	--
%RSD	.2292330	--	--	--	--	--	--
#1	1208	--	--	--	--	--	--
#2	1212	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 1836990-2X Operator:
Run Time: 02/17/00 17:59:38
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48610.	23.27	232.9	2.773	-.0196	8057.	110.0
SDev	216.	1.66	.3	.006	.1940	5.	.1
%RSD	.4434	7.141	.1455	.2309	988.4	.0582	.0744
#1	48770.	22.09	233.2	2.769	.1176	8054.	109.9
#2	48460.	24.44	232.7	2.778	-.1568	8061.	110.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30.94	38.11	81070.	16670.	2002.	66.78	6594.
SDev	.03	.05	140.	9.	.	.06	21.
%RSD	.1042	.1413	.1726	.0557	.0125	.0877	.3256
#1	30.96	38.15	81170.	16680.	2003.	66.83	6610.
#2	30.91	38.07	80970.	16660.	2002.	66.74	6579.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0952	712.1	-.5573	117.7	183.4	1.510	73.57
SDev	.2635	39.3	1.1559	.2	.2	.146	.11
%RSD	276.8	5.519	207.4	.1646	.1020	9.658	.1432
#1	.0911	684.3	.2601	117.8	183.5	1.614	73.64
#2	-.2815	739.9	-1.375	117.5	183.3	1.407	73.49
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1752.	42.64	4.023	-.7013	42.68	42.60	.6701
SDev	1.	.68	.091	1.1293	.29	1.16	3.580
%RSD	.0732	1.587	2.255	161.0	.6894	2.726	534.2
#1	1753.	42.16	4.087	.0973	42.89	41.78	3.201
#2	1751.	43.11	3.959	-1.500	42.47	43.42	-1.861
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-3.468	2.631	4.708	25.82
SDev	3.779	.342	.307	.36
%RSD	109.0	13.01	6.517	1.380
#1	-6.140	2.389	4.925	26.07
#2	-.7957	2.873	4.491	25.57
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

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Avge	1216	--	--	--	--	--	--
SDev	.2248551	--	--	--	--	--	--
%RSD	.0184941	--	--	--	--	--	--
#1	1216	--	--	--	--	--	--
#2	1216	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699-2X Operator:
Run Time: 02/17/00 18:04:54
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48160.	22.85	229.3	2.812	-.3014	8275.	113.2
SDev	17.	.01	.2	.029	.0910	33.	.5
%RSD	.0355	.0370	.0883	1.018	30.19	.3958	.4066
#1	48170.	22.85	229.4	2.832	-.2371	8298.	113.5
#2	48140.	22.86	229.1	2.791	-.3657	8252.	112.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31.26	34.18	84350.	17310.	2266.	68.48	6658.
SDev	.33	.05	182.	42.	7.	.74	1.
%RSD	1.050	.1552	.2155	.2437	.3114	1.085	.0127
#1	31.50	34.22	84480.	17340.	2271.	69.01	6658.
#2	31.03	34.15	84220.	17280.	2261.	67.95	6659.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2357	818.4	-1.822	121.2	187.1	1.438	71.42
SDev	.1500	78.8	.781	.2	.5	.142	.07
%RSD	63.63	9.630	42.85	.1610	.2466	9.912	.0937
#1	-.3417	874.1	-1.270	121.3	187.5	1.538	71.47
#2	-.1296	762.7	-2.374	121.0	186.8	1.337	71.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1775.	39.97	2.939	-2.719	43.47	38.20	-4.186
SDev	4.	.44	.067	.434	.59	.95	1.109
%RSD	.2403	1.098	2.270	15.98	1.351	2.486	26.49

306784

2.986	-3.026	43.89	37.53	-4.970
2.891	-2.412	43.06	38.88	-3.402
LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
.0000.	2000.			
-4.900	-15.00			
1960/2	B_2496			
	ppb			
4.022	25.52			
.598	.20			
19.80	.7881			
3.445	25.66			
2.599	25.38			
NOCHECK	LC Pass			
	5000.			
	-4.900			

3	4	5	6	7
NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
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e: CCV2 Operator:

Ba4394	Be3130	Cd2265	Ca3179	Cr2677
ppb	ppb	ppb	ppb	ppb
9779.	982.6	2487.	123900.	4949.
7.	1.5	2.	27.	8.
.0749	.1515	.0686	.0216	.1628
9784.	983.7	2489.	123900.	4954.
9773.	981.6	2486.	123900.	4943.
LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
11040.	1104.	2760.	138000.	5520.
8960.	896.0	2239.	112000.	4478.

Fe2714	Mg2790	Mn2576	Ni2316	K_7664
ppb	ppb	ppb	ppb	ppb
98730.	122900.	4959.	2469.	50940.
242.	182.	6.	6.	179.
.2449	.1482	.1218	.2398	.3518
98900.	123000.	4963.	2473.	50810.
98550.	122800.	4954.	2465.	51060.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1219.	121900.	4910.	2467.	2474.	2508.	4821.
SDev	.	524.	9.	2.	.	.	1.
%RSD	.0390	.4299	.1859	.0990	.0194	.0106	.0132
#1	1219.	121500.	4917.	2469.	2474.	2508.	4822.
#2	1218.	122200.	4904.	2466.	2474.	2508.	4821.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	5520.
Low	1120.	112000.	4478.	2239.	2239.	2239.	4478.
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9755.	9859.	4889.	977.3	9904.	9837.	975.2
SDev	13.	23.	18.	1.8	35.	17.	2.1
%RSD	.1359	.2337	.3622	.1829	.3551	.1726	.2137
#1	9765.	9875.	4901.	976.1	9929.	9849.	973.7
#2	9746.	9843.	4876.	978.6	9879.	9825.	976.7

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	11040.	11040.	5520.	1104.			
Low	8960.	8960.	4478.	896.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	981.6	4913.	4877.	1000.
SDev	1.2	27.	13.	1.
%RSD	.1216	.5517	.2669	.0551
#1	980.8	4932.	4886.	1001.
#2	982.5	4894.	4868.	1000.0

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1104.
Low				896.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1148	--	--	--	--	--	--
SDev	5.321686	--	--	--	--	--	--
%RSD	.4634305	--	--	--	--	--	--
#1	1145	--	--	--	--	--	--
#2	1152	--	--	--	--	--	--

306786

Method: 1_SW846 Sample Name: CCB2 Operator:
Run Time: 02/17/00 18:15:28
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27.52	-.2663	.8132	.2107	.1308	8.728	.3335
SDev	.45	.8836	.0717	.0092	.0541	.104	.1992
%RSD	1.653	331.8	8.822	4.363	41.31	1.188	59.72
#1	27.84	.3585	.7625	.2172	.1690	8.801	.1927
#2	27.20	-.8911	.8639	.2042	.0926	8.655	.4744
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5468	.6510	22.00	12.72	.5947	-.1940	202.2
SDev	.1096	.8018	2.93	.59	.0329	.0546	5.4
%RSD	20.05	123.2	13.30	4.651	5.529	28.15	2.681
#1	.6243	.0840	24.07	13.14	.5715	-.1553	198.3
#2	.4693	1.218	19.93	12.30	.6180	-.2326	206.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1510	-475.1	-.6554	.2785	1.704	3.315	.2710
SDev	.0769	76.3	.7650	.0644	.122	1.695	.0100
%RSD	50.94	16.07	116.7	23.14	7.183	51.12	3.678
#1	.0966	-421.1	-.1144	.2329	1.790	4.514	.2780
#2	.2054	-529.1	-1.196	.3241	1.617	2.117	.2639
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.457	-.0350	3.462	-.1948	2.932	-1.529	-1.176
SDev	.213	1.3879	.521	1.8237	.844	1.659	2.350
%RSD	14.60	3968.	15.04	936.0	28.79	108.5	199.8
#1	1.306	-1.016	3.094	1.095	2.335	-2.702	.4854
#2	1.607	.9464	3.830	-1.484	3.529	-.3555	-2.838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	1.750	4.844	2.762	1.360
SDev	.770	.557	.502	.179
%RSD	44.01	11.50	18.19	13.13
#1	2.295	4.450	2.406	1.487
#2	1.206	5.238	3.117	1.234
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1182	--	--	--	--	--	--
SDev	2.286099	--	--	--	--	--	--
%RSD	.1934258	--	--	--	--	--	--
#1	1184	--	--	--	--	--	--
#2	1180	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699L-2X Operator:
Run Time: 02/17/00 18:20:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9879.	5.251	46.76	.6666	-.1433	1723.	24.00
SDev	1.	.376	.09	.0124	.0384	.	.24
%RSD	.0128	7.167	.2027	1.855	26.82	.0213	.9915
#1	9878.	4.985	46.69	.6579	-.1705	1723.	23.83
#2	9880.	5.517	46.82	.6753	-.1161	1722.	24.16
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.549	6.594	17570.	3619.	468.6	14.35	1528.
SDev	.211	.355	1.	5.	.4	.47	11.
%RSD	3.216	5.385	.0052	.1517	.0802	3.288	.7435
#1	6.400	6.343	17570.	3615.	468.9	14.68	1536.
#2	6.698	6.846	17570.	3622.	468.4	14.01	1520.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3023	-71.25	-.5234	24.98	41.98	.5591	14.56

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SDev	.2530	106.02	.1878	.06	.02	.2864	.02
%RSD	83.67	148.8	35.88	.2403	.0486	51.22	.1330
#1	-.4812	-146.2	-.3906	24.93	41.99	.3566	14.57
#2	-.1235	3.715	-.6562	25.02	41.96	.7616	14.54
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	366.4	7.761	2.808	.1909	8.302	7.480	.2234
SDev	.2	.372	1.928	.9764	.543	.285	1.826
%RSD	.0634	4.791	68.67	511.4	6.542	3.816	817.4
#1	366.2	7.498	4.171	.8814	7.918	7.278	1.515
#2	366.5	8.024	1.445	-.4995	8.686	7.682	-1.068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.1057	6.072	1.168	5.658
SDev	.7256	3.443	4.609	.220
%RSD	686.4	56.70	394.5	3.881
#1	-.4074	3.637	4.428	5.813
#2	.6188	8.506	-2.091	5.502
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1190	--	--	--	--	--	--
SDev	8.675869	--	--	--	--	--	--
%RSD	.7288724	--	--	--	--	--	--
#1	1184	--	--	--	--	--	--
#2	1196	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699MS-2X Operator:
Run Time: 02/17/00 18:26:01
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51900.	887.1	1121.	25.34	22.05	17250.	207.7
SDev	99.	4.9	1.	.02	.03	19.	.2

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%RSD	.1898	.5562	.1107	.0955	.1284	.1078	.0849
#1	51970.	890.6	1121.	25.32	22.07	17240.	207.5
#2	51830.	883.6	1120.	25.35	22.03	17270.	207.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	257.8	144.2	84500.	26640.	2346.	298.3	15320.
SDev	.2	.0	102.	24.	1.	.8	29.
%RSD	.0748	.0187	.1207	.0893	.0451	.2578	.1904
#1	257.9	144.2	84570.	26620.	2345.	297.8	15340.
#2	257.7	144.1	84430.	26650.	2347.	298.9	15300.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.12	9444.	885.2	344.2	414.5	217.6	300.9
SDev	.32	1.	3.0	.9	.2	1.0	.1
%RSD	1.524	.0142	.3417	.2708	.0451	.4700	.0273
#1	21.35	9443.	887.3	343.6	414.4	218.3	301.0
#2	20.89	9445.	883.0	344.9	414.7	216.9	300.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2033.	259.4	862.3	81.12	261.8	258.2	80.95
SDev	1.	.9	1.1	2.48	.7	1.7	4.28
%RSD	.0517	.3501	.1223	3.056	.2686	.6633	5.283
#1	2034.	258.7	861.6	79.37	262.3	257.0	77.93
#2	2032.	260.0	863.0	82.87	261.3	259.4	83.98
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	81.43	862.6	862.2	235.1
SDev	1.12	8.6	2.7	.0
%RSD	1.380	1.002	.3170	.0118
#1	82.22	856.5	864.1	235.1
#2	80.63	868.7	860.2	235.0

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1227	--	--	--	--	--	--
SDev	.5996425	--	--	--	--	--	--
%RSD	.0488578	--	--	--	--	--	--
#1	1227	--	--	--	--	--	--
#2	1228	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699MSD-2X Operator:
Run Time: 02/17/00 18:31:17
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51670.	887.3	1124.	25.33	21.84	17310.	207.9
SDev	26.	7.5	2.	.14	.23	46.	.9
%RSD	.0497	.8504	.1894	.5593	1.063	.2680	.4418
#1	51650.	892.6	1126.	25.43	22.01	17350.	208.6
#2	51690.	881.9	1123.	25.23	21.68	17280.	207.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	258.5	145.1	85370.	26540.	2309.	298.0	15450.
SDev	.7	.9	89.	53.	6.	1.4	27.
%RSD	.2887	.6489	.1039	.2010	.2751	.4796	.1758
#1	259.0	145.8	85430.	26570.	2314.	299.0	15430.
#2	257.9	144.5	85300.	26500.	2305.	297.0	15460.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.06	9362.	888.7	344.1	414.4	218.6	302.9
SDev	.47	65.	1.8	1.1	1.4	.4	.7
%RSD	2.215	.6951	.2068	.3338	.3275	.1824	.2249
#1	21.39	9316.	887.4	344.9	415.3	218.9	303.4
#2	20.73	9408.	890.0	343.3	413.4	218.3	302.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.

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Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2026.	278.8	862.4	83.96	279.8	278.3	85.32
SDev	4.	1.5	8.3	.37	1.7	1.4	.02
%RSD	.1843	.5351	.9681	.4457	.6205	.4919	.0249
#1	2029.	279.8	868.3	84.22	281.1	279.2	85.30
#2	2023.	277.7	856.5	83.69	278.6	277.3	85.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	81.22	866.0	860.6	237.4
SDev	1.17	5.7	9.6	1.0
%RSD	1.436	.6634	1.121	.4223
#1	82.05	870.0	867.4	238.1
#2	80.40	861.9	853.8	236.7
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1224	--	--	--	--	--	--
SDev	4.047479	--	--	--	--	--	--
%RSD	.3306239	--	--	--	--	--	--
#1	1221	--	--	--	--	--	--
#2	1227	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699A-2X Operator:
Run Time: 02/17/00 18:36:33
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50280.	1885.	2126.	50.71	47.23	27360.	306.4
SDev	315.	.	3.	.09	.24	14.	.4
%RSD	.6268	.0227	.1518	.1816	.5006	.0499	.1232
#1	50500.	1885.	2129.	50.65	47.40	27350.	306.6
#2	50060.	1885.	2124.	50.78	47.06	27370.	306.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	513.5	266.9	85720.	36040.	2743.	552.6	25310.
SDev	.5	.8	112.	25.	.	1.0	164.
%RSD	.1056	.2837	.1304	.0702	.0085	.1860	.6496
#1	513.9	267.4	85800.	36060.	2743.	551.8	25420.
#2	513.1	266.3	85640.	36020.	2743.	553.3	25190.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44.83	19340.	1900.	595.2	664.1	480.7	558.4
SDev	.36	237.	3.	.3	.7	1.8	.7
%RSD	.8056	1.226	.1407	.0445	.1070	.3777	.1222
#1	45.08	19510.	1898.	595.4	664.6	482.0	558.8
#2	44.57	19180.	1902.	595.0	663.6	479.4	557.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2257.	512.9	1876.	467.1	513.6	512.5	471.0
SDev	3.	.2	5.	1.3	.8	.1	.2
%RSD	.1239	.0360	.2515	.2698	.1486	.0203	.0466
#1	2259.	513.0	1879.	467.9	514.1	512.4	471.2
#2	2255.	512.7	1872.	466.2	513.1	512.6	470.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	459.1	1875.	1876.	510.4
SDev	3.3	10.	2.	1.3
%RSD	.7287	.5094	.1228	.2638
#1	461.5	1882.	1877.	511.4
#2	456.8	1869.	1874.	509.5
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

306793

Avge	1219	--	--	--	--	--	--
SDev	3.110597	--	--	--	--	--	--
%RSD	.2551872	--	--	--	--	--	--
#1	1217	--	--	--	--	--	--
#2	1221	--	--	--	--	--	--

Method: I_SW846 Sample Name: 183701-2X Operator:
Run Time: 02/17/00 18:41:50
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	32690.	17.33	269.1	1.875	-1.067	9269.	85.86
SDev	1690.	1.71	14.2	.112	.019	487.	4.99
%RSD	5.171	9.878	5.285	5.962	1.791	5.256	5.814
#1	33890.	18.54	279.1	1.954	-1.054	9614.	89.39
#2	31500.	16.12	259.0	1.796	-1.081	8925.	82.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.93	143.6	99520.	6301.	993.0	38.07	3837.
SDev	1.52	7.5	5470.	335.	52.5	2.76	171.
%RSD	5.067	5.232	5.497	5.315	5.287	7.258	4.445
#1	31.01	148.9	103400.	6538.	1030.	40.02	3958.
#2	28.86	138.3	95650.	6065.	955.9	36.11	3717.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2822	-44.46	2.387	162.7	151.1	3.012	62.35
SDev	.4004	113.97	1.371	8.9	7.2	1.139	3.34
%RSD	141.9	256.3	57.43	5.458	4.780	37.82	5.363
#1	.5653	36.13	1.418	169.0	156.2	3.817	64.72
#2	-.0009	-125.1	3.356	156.4	146.0	2.206	59.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1422.	280.8	1.073	-3.963	276.2	283.0	-2.852
SDev	79.	13.7	1.362	.277	17.1	12.1	.083
%RSD	5.538	4.897	127.0	7.000	6.178	4.273	2.915

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#1	1478.	290.5	.1097	-3.766	288.3	291.6	-2.911
#2	1367.	271.0	2.036	-4.159	264.2	274.5	-2.793
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-6.207	-.2896	1.743	6.290			
SDev	.999	1.6436	1.222	.056			
%RSD	16.10	567.4	70.09	.8877			
#1	-5.501	-1.452	.8794	6.329			
#2	-6.914	.8725	2.607	6.250			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1214	--	--	--	--	--	--
SDev	2.885741	--	--	--	--	--	--
%RSD	.2376550	--	--	--	--	--	--
#1	1212	--	--	--	--	--	--
#2	1216	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183703-2X Operator:
Run Time: 02/17/00 18:47:07
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	258.9	1.714	34.29	.0923	-.2627	H1416000.	12.05
SDev	26.6	4.255	3.13	.0205	.0442	99675.	1.17
%RSD	10.27	248.3	9.114	22.19	16.82	7.037	9.713
#1	277.8	4.722	36.50	.1068	-.2940	H1487000.	12.88
#2	240.1	-1.295	32.08	.0778	-.2315	H1346000.	11.22
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2300	.0758	216.5	9803.	10.85	1.884	677.9
SDev	.0267	.0337	9.5	858.	.94	.398	32.3
%RSD	11.60	44.48	4.376	8.755	8.653	21.15	4.772
#1	.2111	.0520	223.2	10410.	11.51	2.165	700.7
#2	.2488	.0997	209.8	9196.	10.18	1.602	655.0

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2209	12740.	-.1737	3.325	5.723	.6487	H30670.
SDev	.4047	1273.	1.9718	.223	.130	.2096	2204.
%RSD	183.2	9.994	1135.	6.708	2.265	32.32	7.187
#1	-.5071	13640.	1.221	3.482	5.631	.7969	H32230.
#2	.0652	11840.	-1.568	3.167	5.814	.5005	H29110.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Li3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	47.93	.3546	2.708	.3446	-11.43	6.226	.5816
SDev	7.21	.2678	.914	.8419	2.54	.867	.9591
%RSD	15.04	75.52	33.75	244.3	22.22	13.92	164.9
#1	42.83	.5440	2.062	-.2508	-9.635	5.613	-.0966
#2	53.03	.1652	3.355	.9399	-13.23	6.839	1.260

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.1522	6.241	.9334	112.5
SDev	.6071	2.339	2.538	9.6
%RSD	398.9	37.48	271.9	8.531
#1	-.5815	7.896	-.8613	119.3
#2	.2771	4.587	2.728	105.7

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1097	--	--	--	--	--	--
SDev	1.948773	--	--	--	--	--	--
%RSD	.1776467	--	--	--	--	--	--
#1	1096	--	--	--	--	--	--
#2	1098	--	--	--	--	--	--

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Method: 1_SW846 Sample Name: 183814-2X Operator:
Run Time: 02/17/00 18:52:23
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14990.	7.959	79.54	.7588	-.3619	3793.	42.61
SDev	195.	.840	1.09	.0070	.1445	44.	.10
%RSD	1.303	10.55	1.375	.9297	39.92	1.168	.2294
#1	15120.	8.552	80.32	.7638	-.4641	3825.	42.68
#2	14850.	7.365	78.77	.7538	-.2598	3762.	42.55
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.78	35.11	40780.	5643.	730.7	43.88	2284.
SDev	.03	.13	515.	52.	8.0	.22	23.
%RSD	.2357	.3766	1.262	.9236	1.092	.5121	1.019
#1	13.76	35.20	41150.	5680.	736.3	43.72	2300.
#2	13.81	35.01	40420.	5606.	725.0	44.04	2268.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1010	-48.98	-1.859	49.42	89.62	1.375	28.43
SDev	.2139	194.35	.073	.39	.26	.181	.41
%RSD	211.7	396.8	3.923	.7904	.2910	13.18	1.443
#1	-.2522	88.44	-1.808	49.70	89.81	1.247	28.72
#2	.0502	-186.4	-1.911	49.14	89.44	1.503	28.14
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	788.5	47.95	2.557	-.2039	49.21	47.30	1.114
SDev	6.8	.38	2.780	.9050	.63	.26	1.702
%RSD	.8675	.7909	108.7	443.9	1.274	.5420	152.7
#1	793.4	47.68	4.523	-.8438	48.77	47.12	-.0889
#2	783.7	48.21	.5907	.4361	49.66	47.48	2.318
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496

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Units				ppb
Avge	-2.864	2.808	2.421	2.912
SDev	.691	5.637	1.354	.353
%RSD	24.12	200.7	55.94	12.13
#1	-2.376	6.794	3.379	2.662
#2	-3.353	-1.177	1.463	3.162
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1192	--	--	--	--	--	--
SDev	2.398484	--	--	--	--	--	--
%RSD	.2012336	--	--	--	--	--	--
#1	1190	--	--	--	--	--	--
#2	1194	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183815-2X Operator:
Run Time: 02/17/00 18:57:40
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22750.	29.21	107.1	1.234	-.4575	7485.	52.86
SDev	429.	.37	1.9	.030	.0583	127.	.84
%RSD	1.884	1.283	1.735	2.422	12.75	1.692	1.587
#1	23050.	28.95	108.4	1.255	-.4988	7575.	53.45
#2	22450.	29.48	105.7	1.213	-.4163	7396.	52.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.77	44.82	48410.	6138.	918.2	47.26	2301.
SDev	.44	.96	884.	103.	15.4	.71	51.
%RSD	2.759	2.147	1.826	1.683	1.680	1.493	2.197
#1	16.08	45.50	49030.	6211.	929.1	47.76	2337.
#2	15.47	44.14	47780.	6065.	907.3	46.76	2265.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2677	364.8	-.8313	62.67	125.4	1.761	24.49

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SDev	.2129	139.5	1.7049	.97	2.0	.183	.44
%RSD	79.53	38.24	205.1	1.551	1.581	10.40	1.787
#1	-.1171	463.5	.3742	63.36	126.8	1.631	24.80
#2	-.4182	266.2	-2.037	61.99	124.0	1.890	24.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	769.6	132.4	3.063	-1.769	133.9	131.6	-1.404
SDev	12.5	1.8	.731	3.129	5.8	.2	4.837
%RSD	1.618	1.389	23.87	176.9	4.366	.1226	344.5
#1	778.4	133.7	2.546	-3.982	138.1	131.5	-4.824
#2	760.8	131.1	3.580	.4435	129.8	131.7	2.016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	8_2496
Units				ppb
Avge	-2.521	3.958	2.607	3.317
SDev	.291	3.458	.630	.518
%RSD	11.54	87.37	24.17	15.63
#1	-2.315	1.512	3.052	2.951
#2	-2.726	6.403	2.161	3.684
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1204	--	--	--	--	--	--
SDev	5.602734	--	--	--	--	--	--
%RSD	.4652457	--	--	--	--	--	--
#1	1200	--	--	--	--	--	--
#2	1208	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183818-2X Operator:
Run Time: 02/17/00 19:02:57
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36100.	20.75	355.8	1.712	.0977	117000.	64.61
SDev	999.	1.03	10.8	.058	.0890	3404.	2.45

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%RSD	2.766	4.944	3.022	3.413	91.14	2.909	3.792
#1	36810.	21.47	363.4	1.753	.1607	119400.	66.34
#2	35400.	20.02	348.2	1.670	.0347	114600.	62.87
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.41	70.11	49650.	16100.	1015.	41.66	2667.
SDev	.54	2.23	1462.	465.	29.	1.53	74.
%RSD	3.074	3.186	2.946	2.887	2.894	3.679	2.777
#1	17.79	71.69	50680.	16420.	1036.	42.74	2719.
#2	17.03	68.53	48610.	15770.	994.7	40.57	2614.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4494	348.3	-1.338	82.98	350.2	4.235	581.7
SDev	.3413	159.9	1.245	2.80	9.8	.420	17.1
%RSD	75.94	45.90	93.05	3.370	2.785	9.921	2.944
#1	.6907	461.4	-2.218	84.96	357.1	4.532	593.8
#2	.2081	235.3	-.4575	81.00	343.3	3.938	569.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1315.	568.7	5.649	-1.187	562.3	571.8	-.0613
SDev	38.	17.5	1.901	3.835	21.3	15.6	6.4192
%RSD	2.923	3.084	33.65	323.1	3.794	2.736	10480.
#1	1342.	581.1	6.993	-3.899	577.4	582.9	-4.600
#2	1288.	556.3	4.305	1.525	547.2	560.8	4.478
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-3.462	8.237	4.347	35.46
SDev	1.340	.937	3.318	.71
%RSD	38.72	11.37	76.32	1.992
#1	-2.514	7.574	6.693	35.96
#2	-4.409	8.899	2.001	34.96

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1191	--	--	--	--	--	--
SDev	2.679617	--	--	--	--	--	--
%RSD	.2250584	--	--	--	--	--	--
#1	1189	--	--	--	--	--	--
#2	1193	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183819-2X Operator:
Run Time: 02/17/00 19:08:14
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17920.	10.37	281.6	1.036	.4936	114400.	48.21
SDev	441.	.87	7.7	.005	.0894	2927.	1.16
%RSD	2.458	8.375	2.724	.4700	18.11	2.560	2.406
#1	18230.	10.98	287.1	1.039	.5568	116400.	49.03
#2	17610.	9.756	276.2	1.032	.4304	112300.	47.39
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.62	80.33	51130.	40990.	1085.	47.81	2931.
SDev	.46	2.07	1396.	1054.	29.	.95	70.
%RSD	2.583	2.574	2.730	2.571	2.672	1.985	2.372
#1	17.94	81.79	52120.	41730.	1106.	48.49	2980.
#2	17.30	78.87	50140.	40240.	1065.	47.14	2881.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1155	246.1	.9400	74.99	445.2	2.068	243.2
SDev	.4050	74.3	1.758	2.87	11.2	.108	6.6
%RSD	350.6	30.20	187.0	3.830	2.512	5.201	2.720
#1	.4019	193.5	2.183	77.02	453.1	1.992	247.8
#2	-.1709	298.6	-.3028	72.96	437.3	2.144	238.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.

306801

Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	976.5	312.2	2.192	-2.522	309.2	313.7	-3.254
SDev	26.1	8.4	.869	1.769	11.7	6.7	1.969
%RSD	2.676	2.675	39.66	70.16	3.773	2.135	60.51
#1	995.0	318.1	2.807	-1.271	317.4	318.5	-1.862
#2	958.0	306.3	1.577	-3.773	300.9	309.0	-4.647
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	8_2496
Units				ppb
Avge	-1.075	2.819	1.869	9.282
SDev	1.369	1.562	.524	.440
%RSD	127.3	55.40	28.02	4.737
#1	-.1076	3.923	2.239	9.593
#2	-2.043	1.714	1.499	8.971
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1183	--	--	--	--	--	--
SDev	4.422180	--	--	--	--	--	--
%RSD	.3737395	--	--	--	--	--	--
#1	1180	--	--	--	--	--	--
#2	1186	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV3 Operator:
Run Time: 02/17/00 19:13:31
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	243500.	4953.	9761.	994.4	2530.	124900.	4983.
SDev	892.	28.	25.	4.4	15.	542.	22.
%RSD	.3665	.5579	.2583	.4430	.5981	.4344	.4398
#1	244100.	4972.	9779.	997.5	2540.	125300.	4999.
#2	242900.	4933.	9743.	991.3	2519.	124500.	4968.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2482.	12340.	98870.	123900.	4993.	2494.	50680.
SDev	11.	49.	376.	550.	20.	10.	178.
%RSD	.4296	.4003	.3800	.4438	.4048	.4010	.3508
#1	2489.	12370.	99130.	124200.	5007.	2501.	50800.
#2	2474.	12300.	98600.	123500.	4978.	2487.	50550.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1218.	121300.	4902.	2496.	2528.	2525.	4821.
SDev	5.	838.	35.	10.	10.	4.	13.
%RSD	.3939	.6907	.7051	.3841	.4098	.1531	.2772
#1	1222.	121900.	4926.	2503.	2536.	2528.	4831.
#2	1215.	120700.	4877.	2489.	2521.	2522.	4812.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	5520.
Low	1120.	112000.	4478.	2239.	2239.	2239.	4478.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9770.	10060.	4960.	984.6	10000.	10090.	987.1
SDev	27.	75.	59.	4.0	76.	74.	6.8
%RSD	.2803	.7427	1.180	.4047	.7643	.7319	.6926
#1	9790.	10110.	5001.	987.4	10060.	10140.	992.0
#2	9751.	10010.	4919.	981.8	9950.	10030.	982.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	11040.	11040.	5520.	1104.			
Low	8960.	8960.	4478.	896.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	979.5	4942.	4969.	1008.
SDev	1.7	54.	61.	3.
%RSD	.1764	1.092	1.224	.3002
#1	978.2	4980.	5012.	1010.
#2	980.7	4904.	4926.	1006.
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1104.
Low				896.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

306803

Avge	1161	--	--	--	--	--	--
SDev	7.663978	--	--	--	--	--	--
%RSD	.6603873	--	--	--	--	--	--
#1	1155	--	--	--	--	--	--
#2	1166	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB3 Operator:
Run Time: 02/17/00 19:18:48
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.86	-2.037	.7888	.1506	.1650	16.45	.6638
SDev	2.33	.678	.0559	.0134	.0294	1.38	.2639
%RSD	11.18	33.29	7.084	8.870	17.81	8.374	39.75
#1	19.21	-1.557	.7493	.1411	.1442	15.47	.8503
#2	22.51	-2.516	.8283	.1600	.1858	17.42	.4772
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5460	.9694	23.70	15.98	.4446	.5445	211.6
SDev	.1054	.1991	10.07	2.56	.0623	.6063	.1
%RSD	19.30	20.54	42.49	16.05	14.02	111.4	.0488
#1	.4715	.8286	16.58	14.16	.4005	.9732	211.7
#2	.6206	1.110	30.83	17.79	.4886	.1157	211.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4463	-317.8	-.9325	.3462	1.671	3.341	.2897
SDev	.2897	162.1	1.3376	.7048	.144	1.140	.0459
%RSD	64.97	51.00	143.4	203.6	8.635	34.13	15.86
#1	.2414	-203.2	-1.878	.8445	1.569	4.147	.2572
#2	.6512	-432.4	.0133	-.1522	1.773	2.535	.3222
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2.159	-.2570	H5.365	-1.954	1.724	-1.259	-2.178
SDev	.339	.4202	1.802	2.514	1.052	1.155	3.851
%RSD	15.69	163.5	33.59	128.6	60.99	91.75	176.8

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#1	1.919	.0402	4.091	-.1767	.9808	-.4422	.5452
#2	2.398	-.5541	H6.639	-3.731	2.468	-2.076	-4.901
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-1.526	7.908	4.085	.4341			
SDev	.166	5.071	.170	.4991			
%RSD	10.86	64.13	4.160	115.0			
#1	-1.643	4.322	3.965	.7870			
#2	-1.409	11.49	4.206	.0812			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-9.900			
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1177	--	--	--	--	--	--
SDev	.3185951	--	--	--	--	--	--
%RSD	.0270584	--	--	--	--	--	--
#1	1178	--	--	--	--	--	--
#2	1177	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183820-2X Operator:
Run Time: 02/17/00 19:24:05
Comment: 502711
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22120.	8.802	224.3	1.082	-.0758	5416.	46.71
SDev	1055.	.950	10.7	.023	.1261	235.	1.73
%RSD	4.770	10.79	4.758	2.128	166.5	4.345	3.696
#1	22870.	9.474	231.8	1.099	-.1649	5583.	47.93
#2	21380.	8.131	216.7	1.066	.0134	5250.	45.49
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.28	57.52	44210.	5609.	944.6	44.67	2116.
SDev	.75	3.13	2058.	250.	42.2	1.39	76.
%RSD	4.607	5.451	4.656	4.450	4.467	3.114	3.591
#1	16.81	59.73	45660.	5786.	974.5	45.65	2170.
#2	15.75	55.30	42750.	5433.	914.8	43.68	2063.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1815	177.7	-1.453	61.61	178.1	2.006	36.09
SDev	.3626	46.9	1.576	2.34	7.3	.256	1.70
%RSD	199.8	26.40	108.4	3.797	4.101	12.78	4.697
#1	-.4379	210.8	-.3390	63.26	183.2	1.824	37.29
#2	.0749	144.5	-2.567	59.96	172.9	2.187	34.89

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	857.9	303.2	4.617	-1.013	298.5	305.5	-.4641
SDev	40.9	13.6	1.702	2.510	18.3	11.3	3.8539
%RSD	4.773	4.490	36.86	247.9	6.117	3.696	830.4
#1	886.9	312.8	3.414	-2.788	311.4	313.4	-3.189
#2	829.0	293.5	5.820	.7624	285.6	297.5	2.261

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-2.131	4.948	4.442	4.840
SDev	.181	1.401	1.851	.521
%RSD	8.505	28.32	41.69	10.76
#1	-2.003	3.957	3.132	5.209
#2	-2.259	5.939	5.751	4.472

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1200	--	--	--	--	--	--
SDev	3.147972	--	--	--	--	--	--
%RSD	.2622442	--	--	--	--	--	--
#1	1203	--	--	--	--	--	--
#2	1198	--	--	--	--	--	--

306806

Method: 1_SW846 Sample Name: 183821-2X Operator:
Run Time: 02/17/00 19:29:21
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17970.	4.472	151.5	.9372	-.2843	4919.	42.08
SDev	1832.	1.221	15.6	.0310	.0072	485.	3.91
%RSD	10.19	27.31	10.27	3.307	2.525	9.856	9.301
#1	19270.	5.336	162.5	.9592	-.2894	5262.	44.85
#2	16680.	3.609	140.5	.9153	-.2792	4576.	39.32
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.84	53.24	41330.	5783.	967.9	47.20	2498.
SDev	1.95	5.65	4093.	547.	96.2	4.96	235.
%RSD	10.35	10.61	9.904	9.452	9.941	10.50	9.420
#1	20.21	57.23	44220.	6170.	1036.	50.70	2665.
#2	17.46	49.24	38430.	5397.	899.9	43.69	2332.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1949	11.96	.6239	57.98	151.2	1.353	33.25
SDev	.0871	221.1	.3662	5.92	14.3	.190	3.47
%RSD	44.66	1848.	58.69	10.21	9.445	14.03	10.44
#1	-.2565	168.3	.3650	62.16	161.3	1.487	35.71
#2	-.1334	-144.4	.8828	53.79	141.1	1.219	30.80
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	823.0	97.72	6.412	.6450	94.96	99.08	2.409
SDev	81.4	10.11	1.530	.2268	12.28	9.02	2.331
%RSD	9.896	10.34	23.86	35.16	12.94	9.105	96.76
#1	880.6	104.9	7.494	.4847	103.7	105.5	.7609
#2	765.4	90.57	5.330	.8054	86.28	92.70	4.058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	-2.909	4.711	7.252	2.838
SDev	3.988	5.307	.356	1.195
%RSD	137.1	112.7	4.907	42.11
#1	-.0885	8.463	7.000	1.993
#2	-5.729	.9581	7.503	3.683
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1209	--	--	--	--	--	--
SDev	.3185088	--	--	--	--	--	--
%RSD	.0263397	--	--	--	--	--	--
#1	1209	--	--	--	--	--	--
#2	1209	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183823-2X Operator:
Run Time: 02/17/00 19:34:38
Comment: 502711
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19120.	10.77	342.7	1.376	.0715	48100.	57.49
SDev	481.	1.59	8.3	.049	.0742	1097.	1.50
%RSD	2.516	14.76	2.419	3.542	103.9	2.281	2.609
#1	19460.	11.90	348.6	1.410	.0190	48880.	58.55
#2	18780.	9.649	336.8	1.341	.1239	47320.	56.42
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.01	81.98	60070.	7834.	1209.	41.99	3256.
SDev	.50	2.47	1210.	159.	28.	.93	71.
%RSD	2.255	3.011	2.014	2.033	2.301	2.205	2.177
#1	22.36	83.73	60920.	7947.	1229.	42.65	3306.
#2	21.66	80.24	59210.	7722.	1189.	41.34	3206.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4330	474.1	-1.895	88.29	397.5	2.012	232.8

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SDev	.1828	10.5	2.185	2.44	9.7	.362	5.7
%RSD	42.22	2.206	115.3	2.766	2.448	17.97	2.457
#1	.5623	466.7	-3.440	90.01	404.4	1.757	236.9
#2	.3037	481.5	-.3502	86.56	390.6	2.268	228.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1029.	369.1	4.726	-1.034	367.1	370.1	-.1618
SDev	23.	4.6	1.644	1.633	12.6	.5	1.5711
%RSD	2.254	1.233	34.80	157.8	3.435	.1419	971.1
#1	1045.	372.3	5.888	-2.189	376.1	370.5	-1.273
#2	1013.	365.9	3.563	.1200	358.2	369.7	.9492
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-2.802	5.845	4.157	7.987
SDev	1.755	6.828	.944	.520
%RSD	62.65	116.8	22.70	6.511
#1	-4.043	10.67	3.490	7.619
#2	-1.561	1.017	4.824	8.355
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1204	--	--	--	--	--	--
SDev	4.815784	--	--	--	--	--	--
%RSD	.3998541	--	--	--	--	--	--
#1	1208	--	--	--	--	--	--
#2	1201	--	--	--	--	--	--

Method: I_SW846 Sample Name: 183528-2X Operator:
Run Time: 02/17/00 19:39:55
Comment: 5031TI
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12850.	4.623	100.5	.4468	-.0545	14230.	29.25
SDev	475.	1.911	3.8	.0095	.0204	502.	.79

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%RSD	3.698	41.33	3.794	2.116	37.47	3.530	2.714
#1	13180.	3.272	103.2	.4534	-.0689	14590.	29.81
#2	12510.	5.974	97.82	.4401	-.0400	13880.	28.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.844	683.5	16560.	1270.	107.5	12.65	1180.
SDev	.040	27.5	609.	44.	4.1	.28	28.
%RSD	1.046	4.021	3.678	3.471	3.835	2.228	2.361
#1	3.872	703.0	16990.	1301.	110.4	12.85	1200.
#2	3.816	664.1	16130.	1239.	104.5	12.45	1161.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1216	173.8	-1.768	22.51	107.7	1.338	33.27
SDev	.6749	20.2	1.118	.29	3.7	.374	1.37
%RSD	555.0	11.60	63.24	1.280	3.431	27.97	4.118
#1	-.5988	188.0	-.9772	22.72	110.4	1.602	34.23
#2	.3556	159.5	-2.558	22.31	105.1	1.073	32.30
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	235.5	89.97	2.131	-2.594	92.44	88.72	-1.706
SDev	6.2	4.35	.518	1.010	6.27	3.39	1.584
%RSD	2.639	4.833	24.31	38.94	6.781	3.822	92.88
#1	239.8	93.04	1.765	-3.309	96.87	91.12	-2.826
#2	231.1	86.89	2.498	-1.880	88.01	86.33	-.5856
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-4.394	2.843	1.766	16.49
SDev	.140	3.738	1.089	.38
%RSD	3.183	131.5	61.69	2.308
#1	-4.295	.2002	2.536	16.22
#2	-4.493	5.487	.9955	16.76

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1192	--	--	--	--	--	--
SDev	1.592803	--	--	--	--	--	--
%RSD	.1336055	--	--	--	--	--	--
#1	1193	--	--	--	--	--	--
#2	1191	--	--	--	--	--	--

Method: I_SW846 Sample Name: 183807-2X Operator:
Run Time: 02/17/00 19:45:12
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15220.	10.84	240.9	.6339	1.644	13620.	120.3
SDev	770.	3.02	12.4	.0170	.057	652.	5.9
%RSD	5.059	27.89	5.135	2.690	3.485	4.787	4.934
#1	15760.	12.98	249.6	.6459	1.685	14080.	124.5
#2	14670.	8.702	232.1	.6218	1.604	13160.	116.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.759	108.1	47710.	4059.	307.8	110.3	1927.
SDev	.402	5.4	2330.	192.	15.0	5.0	87.
%RSD	4.592	5.023	4.882	4.743	4.878	4.569	4.525
#1	9.043	112.0	49360.	4195.	318.4	113.8	1989.
#2	8.475	104.3	46070.	3923.	297.1	106.7	1865.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.486	361.7	-.8015	39.31	931.6	9.022	62.53
SDev	.237	132.7	1.8429	2.02	44.1	.442	3.11
%RSD	15.93	36.68	229.9	5.142	4.737	4.903	4.981
#1	1.653	455.6	-2.105	40.74	962.8	9.335	64.73
#2	1.318	267.9	.5017	37.88	900.4	8.709	60.32
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.

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Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	424.9	721.0	2.677	1.988	712.1	725.4	4.294
SDev	17.9	36.9	.848	1.507	36.3	37.2	1.913
%RSD	4.222	5.118	31.68	75.78	5.099	5.127	44.56
#1	437.6	747.1	3.276	3.054	737.8	751.7	5.647
#2	412.2	694.9	2.077	.9229	686.5	699.1	2.941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-2.650	3.917	2.047	46.17
SDev	.693	1.149	1.845	.43
%RSD	26.14	29.34	90.12	.9220
#1	-2.160	3.105	3.352	46.47
#2	-3.139	4.730	.7427	45.87
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1188	--	--	--	--	--	--
SDev	2.923203	--	--	--	--	--	--
%RSD	.2460125	--	--	--	--	--	--
#1	1186	--	--	--	--	--	--
#2	1190	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183927-100X Operator:
Run Time: 02/17/00 19:50:28
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1807.	-.0825	4.099	.1093	.2531	208.3	4.019
SDev	13.	1.3489	.102	.0026	.1905	.0	.321
%RSD	.7170	1635.	2.479	2.331	75.25	.0025	7.981
#1	1816.	-1.036	4.171	.1111	.3878	208.3	4.246
#2	1798.	.8713	4.027	.1075	.1184	208.3	3.792
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.656	9689.	2704.	2121.	26.29	3.684	278.1
SDev	.275	49.	2.	10.	.08	.074	5.2
%RSD	16.62	.5043	.0747	.4836	.2949	2.008	1.860
#1	1.851	9723.	2703.	2128.	26.34	3.631	281.8
#2	1.462	9654.	2705.	2114.	26.23	3.736	274.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.210	-451.5	-1.490	6.066	21.25	.8789	.6570
SDev	.127	126.8	.835	.074	.00	.0326	.0502
%RSD	1.757	28.09	56.02	1.217	.0038	3.703	7.633
#1	7.299	-541.2	-.9001	6.118	21.25	.8559	.6924
#2	7.120	-361.8	-2.081	6.014	21.26	.9019	.6215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	11.68	2.238	4.039	-.1327	4.059	1.318	-.3512
SDev	1.05	.230	2.003	.2427	.109	.399	.2729
%RSD	8.978	10.27	49.58	183.7	2.697	30.30	77.72
#1	12.42	2.076	2.623	.0395	4.136	1.036	-.1582
#2	10.94	2.401	5.455	-.3038	3.981	1.600	-.5442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.2863	6.923	2.589	.5598
SDev	.1821	1.845	3.924	.5876
%RSD	63.60	26.65	151.5	105.0
#1	.4150	8.228	-.1852	.9753
#2	.1575	5.618	5.364	.1443
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

306813

Avge	1184	--	--	--	--	--	--
SDev	4.815784	--	--	--	--	--	--
%RSD	.4066270	--	--	--	--	--	--
#1	1181	--	--	--	--	--	--
#2	1188	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183928-50X Operator:
Run Time: 02/17/00 19:55:45
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1364.	-1.836	235.6	.0674	.6582	12100.	5.524
SDev	.	.413	.2	.0066	.0945	29.	.043
%RSD	.0306	22.49	.0937	9.850	14.36	.2409	.7724
#1	1365.	-2.128	235.5	.0627	.7250	12070.	5.494
#2	1364.	-1.544	235.8	.0721	.5914	12120.	5.554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.073	8523.	2335.	1270.	332.3	3.080	264.4
SDev	.048	1.	20.	1.	1.0	.105	4.9
%RSD	4.518	.0102	.8633	.0410	.2907	3.412	1.855
#1	1.039	8522.	2321.	1271.	331.6	3.006	260.9
#2	1.107	8523.	2349.	1270.	333.0	3.154	267.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.461	-427.4	-1.460	4.835	13.48	.5241	11.63
SDev	.108	25.3	.637	.156	.19	.2898	.01
%RSD	1.672	5.931	43.64	3.224	1.430	55.28	.0924
#1	6.384	-409.5	-1.911	4.725	13.62	.7290	11.64
#2	6.537	-445.3	-1.010	4.945	13.35	.3193	11.63
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	3.879	.7118	3.140	-.7617	1.519	.2985	-1.166
SDev	.036	.1407	1.012	1.6395	.424	.0005	1.075
%RSD	.9403	19.77	32.24	215.3	27.88	.1776	92.12

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#1	3.854	.8113	2.425	.3977	1.819	.2981	-.4066
#2	3.905	.6123	3.856	-1.921	1.220	.2988	-1.926
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.0289	4.837	2.283	.5263
SDev	2.771	3.728	.344	.0900
%RSD	9602.	77.08	15.05	17.10
#1	1.988	2.201	2.526	.5899
#2	-1.931	7.474	2.040	.4626
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1186	--	--	--	--	--	--
SDev	.6932961	--	--	--	--	--	--
%RSD	.0584805	--	--	--	--	--	--
#1	1186	--	--	--	--	--	--
#2	1185	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183929-100X Operator:
Run Time: 02/17/00 20:01:02
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1791.	-.5879	4.652	.1143	.5447	289.3	3.820
SDev	2.	.7201	.054	.0091	.0904	.1	.015
%RSD	.1089	122.5	1.168	7.999	16.59	.0490	.3908
#1	1792.	-.0788	4.690	.1078	.6086	289.2	3.809
#2	1790.	-1.097	4.613	.1208	.4808	289.4	3.831
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.654	9391.	2637.	2020.	33.76	3.749	284.7
SDev	.181	6.	4.	1.	.04	.287	3.4
%RSD	10.95	.0649	.1631	.0584	.1076	7.654	1.177
#1	1.526	9387.	2640.	2019.	33.74	3.952	287.1
#2	1.782	9395.	2634.	2021.	33.79	3.546	282.3

306815

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.060	-433.9	-1.044	5.823	24.62	.1704	.9515
SDev	.346	50.4	.329	.840	.01	.0349	.0178
%RSD	5.707	11.60	31.51	14.43	.0290	20.46	1.871
#1	5.815	-469.5	-1.277	6.418	24.62	.1950	.9641
#2	6.304	-398.3	-.8116	5.229	24.63	.1457	.9390

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	12.38	3.088	2.313	-1.582	6.987	1.130	-2.714
SDev	.27	.090	1.137	1.547	.993	.362	1.953
%RSD	2.217	2.903	49.13	97.78	14.21	32.04	71.97
#1	12.57	3.025	1.510	-2.675	6.285	1.386	-4.095
#2	12.19	3.152	3.117	-.4880	7.689	.8739	-1.333

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.6665	5.007	.9587	1.161
SDev	.7321	1.702	.8547	.721
%RSD	109.8	33.99	89.15	62.09
#1	.1489	3.803	.3543	1.671
#2	1.184	6.210	1.563	.6515

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1190	--	--	--	--	--	--
SDev	3.016857	--	--	--	--	--	--
%RSD	.2536086	--	--	--	--	--	--
#1	1187	--	--	--	--	--	--
#2	1192	--	--	--	--	--	--

306816

Method: 1_SW846 Sample Name: 183481-2X Operator:
Run Time: 02/17/00 20:06:19
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	63570.	15.42	329.3	2.567	-.4847	6107.	62.70
SDev	35.	2.71	1.2	.023	.1118	28.	.32
%RSD	.0558	17.56	.3681	.8822	23.07	.4659	.5043
#1	63550.	17.33	330.1	2.583	-.5638	6127.	62.92
#2	63600.	13.51	328.4	2.550	-.4056	6087.	62.48
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.53	38.35	66100.	10650.	1129.	57.05	2199.
SDev	.11	.06	157.	50.	6.	.23	9.
%RSD	.5055	.1649	.2370	.4690	.5209	.4031	.4319
#1	22.61	38.30	66210.	10690.	1133.	57.21	2205.
#2	22.45	38.39	65990.	10620.	1125.	56.88	2192.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3278	-29.98	.0110	98.29	179.8	1.904	55.60
SDev	.0542	91.11	.5196	.51	.6	.404	.18
%RSD	16.53	303.9	4736.	.5238	.3430	21.20	.3308
#1	-.3661	34.45	.3784	98.65	180.3	1.618	55.73
#2	-.2895	-94.41	-.3565	97.92	179.4	2.189	55.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	400.3	100.8	1.471	.2789	101.2	100.5	1.072
SDev	1.9	.8	.733	1.102	3.0	.3	3.342
%RSD	.4641	.8026	49.81	394.9	2.935	.2698	311.7
#1	401.7	101.3	.9531	-.5000	103.3	100.3	-1.291
#2	399.0	100.7	1.989	1.058	99.13	100.7	3.435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	-1.329	.0618	2.165	2.172
SDev	3.386	4.304	1.050	.203
%RSD	254.7	6967.	48.50	9.362
#1	1.065	-2.982	2.908	2.028
#2	-3.724	3.105	1.423	2.316
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1228	--	--	--	--	--	--
SDev	8.825715	--	--	--	--	--	--
%RSD	.7185377	--	--	--	--	--	--
#1	1222	--	--	--	--	--	--
#2	1235	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183482-2X Operator:
Run Time: 02/17/00 20:11:35
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	62350.	36.40	186.5	2.936	-.6887	5889.	62.95
SDev	2570.	2.05	7.3	.130	.0061	224.	2.74
%RSD	4.122	5.640	3.908	4.425	.8812	3.804	4.356
#1	64160.	37.85	191.6	3.028	-.6930	6047.	64.89
#2	60530.	34.95	181.3	2.844	-.6844	5730.	61.01
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.23	82.40	122100.	21750.	2364.	109.9	2307.
SDev	2.05	3.34	4777.	845.	91.	4.2	89.
%RSD	4.170	4.057	3.911	3.885	3.848	3.829	3.860
#1	50.69	84.77	125500.	22340.	2428.	112.9	2370.
#2	47.78	80.04	118800.	21150.	2300.	107.0	2244.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0590	-43.49	-1.192	79.30	206.9	4.384	57.81

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SDev	.2162	95.11	1.528	3.43	7.0	.289	2.24
%RSD	366.5	218.7	128.3	4.320	3.385	6.596	3.871
#1	-.2119	-110.7	-.1109	81.72	211.8	4.589	59.40
#2	.0939	23.76	-2.272	76.88	201.9	4.180	56.23
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	281.2	62.76	4.264	-4.391	66.32	60.97	-5.379
SDev	12.2	2.08	.456	1.459	1.46	2.39	1.560
%RSD	4.351	3.315	10.68	33.22	2.198	3.922	29.00
#1	289.9	64.23	4.586	-3.359	67.35	62.66	-4.276
#2	272.6	61.29	3.942	-5.422	65.29	59.28	-6.483
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-2.431	3.859	4.456	.8962
SDev	1.256	.810	1.087	.0880
%RSD	51.66	20.98	24.39	9.821
#1	-1.543	3.286	5.225	.9584
#2	-3.319	4.431	3.687	.8340
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1221	--	--	--	--	--	--
SDev	4.740775	--	--	--	--	--	--
%RSD	.3884129	--	--	--	--	--	--
#1	1217	--	--	--	--	--	--
#2	1224	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV4 Operator:
Run Time: 02/17/00 20:16:53
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	244700.	4915.	9831.	974.3	2476.	123100.	4937.
SDev	650.	8.	22.	.7	5.	162.	3.

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%RSD	.2655	.1689	.2275	.0714	.1892	.1317	.0521
#1	245200.	4921.	9847.	973.8	2472.	123000.	4935.
#2	244300.	4909.	9816.	974.8	2479.	123200.	4938.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2468.	12180.	99570.	122400.	4936.	2465.	51110.
SDev	1.	33.	11.	127.	3.	1.	117.
%RSD	.0395	.2741	.0112	.1037	.0563	.0377	.2281
#1	2468.	12210.	99570.	122300.	4934.	2464.	51190.
#2	2469.	12160.	99580.	122500.	4937.	2465.	51030.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1219.	121300.	4922.	2448.	2466.	2505.	4841.
SDev	2.	454.	7.	1.	1.	4.	5.
%RSD	.1516	.3745	.1386	.0472	.0232	.1468	.1075
#1	1221.	121700.	4918.	2447.	2465.	2503.	4845.
#2	1218.	121000.	4927.	2449.	2466.	2508.	4838.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	5520.
Low	1120.	112000.	4478.	2239.	2239.	2239.	4478.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9801.	9865.	4942.	983.0	9903.	9846.	988.1
SDev	9.	61.	17.	8.0	44.	69.	7.1
%RSD	.0922	.6174	.3393	.8160	.4423	.7053	.7228
#1	9808.	9822.	4930.	977.3	9872.	9797.	983.0
#2	9795.	9908.	4954.	988.7	9934.	9895.	993.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	11040.	11040.	5520.	1104.			
Low	8960.	8960.	4478.	896.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	972.9	4956.	4935.	997.7
SDev	9.8	22.	14.	3.4
%RSD	1.006	.4524	.2826	.3407
#1	966.0	4940.	4925.	1000.
#2	979.8	4972.	4945.	995.3

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1104.
Low				896.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1134	--	--	--	--	--	--
SDev	2.342291	--	--	--	--	--	--
%RSD	.2065317	--	--	--	--	--	--
#1	1136	--	--	--	--	--	--
#2	1132	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB4 Operator:
Run Time: 02/17/00 20:22:10
Comment: 506771
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.44	-.5940	.8097	.1880	.2162	13.32	.8322
SDev	2.87	.7261	.0709	.0018	.1083	.22	.0940
%RSD	16.45	122.2	8.760	.9745	50.09	1.669	11.29
#1	15.41	-.0806	.7595	.1893	.2928	13.16	.7657
#2	19.46	-1.107	.8598	.1867	.1397	13.47	.8986
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6888	1.170	23.65	13.56	.5048	.1723	199.6
SDev	.1007	.310	10.03	5.12	.0321	.3896	.6
%RSD	14.62	26.46	42.40	37.74	6.363	226.2	.2984
#1	.7601	.9514	16.56	9.944	.4820	-.1032	200.0
#2	.6176	1.389	30.74	17.18	.5275	.4477	199.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0416	-553.1	-2.009	.0882	1.626	2.742	.2810
SDev	.2247	220.5	.838	.2485	.010	1.772	.0295
%RSD	539.7	39.87	41.72	281.8	.6318	64.62	10.51
#1	-.1173	-709.0	-2.602	.2638	1.633	3.995	.2601
#2	.2005	-397.1	-1.417	-.0875	1.619	1.489	.3018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000

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Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.937	-.8766	3.788	1.521	.2614	-1.457	2.707
SDev	.707	1.2357	3.831	1.659	.5286	1.589	2.506
%RSD	36.48	141.0	101.1	109.1	202.2	109.0	92.59
#1	1.438	-1.750	H6.497	.3470	-.1124	-2.581	.9348
#2	2.437	-.0029	1.079	2.694	.6351	-.3341	4.479
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.8765	1.291	5.025	1.230
SDev	.0368	.455	5.971	.813
%RSD	4.203	35.26	118.8	66.09
#1	-.8505	.9688	9.247	.6553
#2	-.9026	1.612	.8029	1.805
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1185	--	--	--	--	--	--
SDev	1.742649	--	--	--	--	--	--
%RSD	.1470573	--	--	--	--	--	--
#1	1186	--	--	--	--	--	--
#2	1184	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183839-5X Operator:
Run Time: 02/17/00 20:27:27
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8316.	9.270	781.9	.4953	6.097	14720.	69.65
SDev	5.	1.091	1.0	.0161	.216	.	.30
%RSD	.0635	11.77	.1316	3.251	3.542	.0008	.4245
#1	8320.	10.04	782.6	.5067	6.249	14720.	69.86
#2	8313.	8.498	781.1	.4839	5.944	14720.	69.44
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.89	177.9	46700.	2019.	638.5	41.18	1758.
SDev	.33	.7	70.	5.	.1	.39	8.
%RSD	2.546	.3729	.1501	.2314	.0112	.9481	.4558
#1	13.13	178.4	46650.	2023.	638.6	41.45	1763.
#2	12.66	177.4	46750.	2016.	638.5	40.90	1752.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8408	212.4	-2.164	30.54	3457.	4.630	94.85
SDev	.4149	38.0	.207	.37	2.	.211	.09
%RSD	49.34	17.90	9.547	1.202	.0640	4.565	.0903
#1	1.134	185.5	-2.018	30.28	3459.	4.780	94.91
#2	.5474	239.2	-2.310	30.80	3456.	4.481	94.79
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	190.3	1086.	4.529	2.658	1095.	1081.	2.284
SDev	1.5	6.	1.177	1.174	4.	7.	2.247
%RSD	.7768	.5592	25.98	44.18	.3279	.6759	98.35
#1	191.3	1090.	5.362	1.827	1098.	1086.	.6958
#2	189.2	1082.	3.697	3.488	1093.	1076.	3.873
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	3.385	5.508	4.031	12.30
SDev	.974	5.329	.896	.52
%RSD	28.76	96.75	22.23	4.262
#1	4.074	9.276	3.397	12.67
#2	2.697	1.740	4.665	11.93
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

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Avge	1184	--	--	--	--	--	--
SDev	7.176806	--	--	--	--	--	--
%RSD	.6060914	--	--	--	--	--	--
#1	1179	--	--	--	--	--	--
#2	1189	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183841-5X Operator:
Run Time: 02/17/00 20:32:44
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14170.	7.706	352.0	.7661	4.024	8840.	56.46
SDev	43.	2.021	1.2	.0024	.006	21.	.30
%RSD	.3046	26.22	.3439	.3176	.1498	.2350	.5345
#1	14200.	9.135	352.9	.7644	4.020	8855.	56.24
#2	14140.	6.278	351.2	.7678	4.028	8825.	56.67
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.40	183.6	42590.	4908.	667.3	38.92	2258.
SDev	.10	.9	133.	15.	1.1	.05	4.
%RSD	.5399	.4698	.3129	.3043	.1660	.1284	.1953
#1	18.47	184.2	42690.	4918.	668.1	38.89	2261.
#2	18.33	183.0	42500.	4897.	666.5	38.96	2255.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4107	81.78	-.7182	62.51	3303.	3.015	46.25
SDev	.2618	45.11	.6478	.23	8.	.204	.10
%RSD	63.75	55.16	90.19	.3673	.2518	6.764	.2134
#1	.2255	113.7	-1.176	62.67	3309.	2.870	46.32
#2	.5958	49.89	-.2602	62.35	3297.	3.159	46.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	545.5	630.6	3.833	-3.882	636.5	627.6	-5.614
SDev	2.1	1.5	.515	1.476	3.0	.7	2.124
%RSD	.3923	.2351	13.44	38.02	.4755	.1134	37.83

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#1	547.1	631.6	3.469	-4.925	638.6	628.1	-7.116
#2	544.0	629.5	4.197	-2.838	634.4	627.1	-4.113
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.4314	4.714	3.384	5.230
SDev	.1778	.691	.427	.156
%RSD	41.21	14.66	12.63	2.974
#1	-.5571	4.225	3.081	5.340
#2	-.3057	5.202	3.686	5.120
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1204	--	--	--	--	--	--
SDev	5.340417	--	--	--	--	--	--
%RSD	.4434827	--	--	--	--	--	--
#1	1200	--	--	--	--	--	--
#2	1208	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183842 Operator:
Run Time: 02/17/00 20:38:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-12.37	2.358	.1149	.0203	-.1605	27.64	.0420
SDev	3.44	1.774	.0162	.0195	.1845	1.28	.3342
%RSD	27.83	75.25	14.12	96.01	114.9	4.622	795.8
#1	-9.935	1.103	.1264	.0065	-.0301	28.54	.2783
#2	-14.80	3.612	.1035	.0341	-.2910	26.73	-.1943
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1947	.7205	6.132	-4.111	.0298	.0353	164.8
SDev	.1558	.0892	3.007	.298	.0952	.4547	2.6
%RSD	80.00	12.39	49.03	7.249	319.0	1287.	1.571
#1	-.0846	.7836	4.006	-4.322	.0971	-.2862	163.0
#2	-.3049	.6574	8.258	-3.900	-.0375	.3568	166.7

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1853	-413.6	-3.523	-.1443	2.704	-.2386	-.1420
SDev	.1935	8.0	1.963	.3726	.066	.3985	.0241
%RSD	104.4	1.944	55.71	258.2	2.449	167.0	17.00
#1	-.0485	-419.2	-4.911	-.4078	2.751	.0431	-.1250
#2	-.3221	-407.9	-2.135	.1192	2.657	-.5204	-.1591

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-1.072	-.7090	2.111	1.554	.2876	-1.217	1.469
SDev	.067	.2641	.244	.004	1.024	.907	.001
%RSD	6.259	37.25	11.54	.2575	356.0	74.56	.0736
#1	-1.024	-.8957	1.939	1.556	1.012	-1.858	1.470
#2	-1.119	-.5222	2.284	1.551	-.4365	-.5752	1.468

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	1.702	-.2839	3.297	5.113			
SDev	.010	1.9101	.588	.200			
%RSD	.5743	672.8	17.85	3.904			
#1	1.709	-1.635	3.713	5.255			
#2	1.695	1.067	2.881	4.972			

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1171	--	--	--	--	--	--
SDev	4.159863	--	--	--	--	--	--
%RSD	.3551492	--	--	--	--	--	--
#1	1168	--	--	--	--	--	--
#2	1174	--	--	--	--	--	--

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Method: 1_SW846 Sample Name: ICSA2 Operator:
Run Time: 02/17/00 20:43:18
Comment: 5037T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	497000.	-.3167	1.180	-.0257	1.079	467500.	1.457
SDev	809.	1.3096	.090	.0090	.129	455.	.017
%RSD	.1628	413.6	7.645	35.05	11.95	.0973	1.201
#1	496400.	-1.243	1.117	-.0193	.9883	467200.	1.444
#2	497600.	.6094	1.244	-.0321	1.171	467800.	1.469
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7397	-2.132	201900.	511900.	.9300	1.678	187.5
SDev	.2929	.472	573.	942.	.1286	.448	8.1
%RSD	39.60	22.14	.2838	.1841	13.82	26.72	4.328
#1	-.9469	-2.466	201500.	511300.	1.021	1.361	181.8
#2	-.5326	-1.799	202300.	512600.	.8391	1.995	193.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3127	-280.8	-3.863	1.277	-2.919	-1.092	-1.772
SDev	.3313	44.2	2.695	.710	.049	.799	.016
%RSD	106.0	15.74	69.76	55.62	1.685	73.19	.9194
#1	.0784	-249.6	-1.957	.7745	-2.885	-.5268	-1.760
#2	.5470	-312.1	-5.768	1.779	-2.954	-1.657	-1.783
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	50.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-50.00

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.572	-2.161	-5.300	-4.555	-11.25	2.363	.6755
SDev	.437	.762	3.902	.587	3.47	.589	.3278
%RSD	27.80	35.25	73.61	12.90	30.85	24.93	48.52
#1	1.263	-1.623	-8.059	-4.971	-8.793	1.947	.4437
#2	1.881	-2.700	-2.542	-4.140	-13.70	2.780	.9073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	20.00	5.000	10.00	10.00			
Low	-20.00	-5.000	-10.00	-10.00			

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	-15.05	-7.121	-4.402	-3.184
SDev	1.11	5.991	2.858	.231
%RSD	7.357	84.13	64.93	7.268
#1	-15.84	-11.36	-6.423	-3.347
#2	-14.27	-2.885	-2.381	-3.020
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-15.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1124	--	--	--	--	--	--
SDev	1.986321	--	--	--	--	--	--
%RSD	.1766902	--	--	--	--	--	--
#1	1126	--	--	--	--	--	--
#2	1123	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICSAB2 Operator:
Run Time: 02/17/00 20:48:35
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496000.	99.16	103.2	95.37	97.57	463900.	101.3
SDev	1666.	.83	.3	.00	.13	151.	.5
%RSD	.3359	.8402	.2462	.0005	.1287	.0326	.5082
#1	497200.	98.57	103.4	95.37	97.66	464100.	101.7
#2	494800.	99.75	103.1	95.37	97.48	463800.	101.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97.11	97.87	202300.	508400.	98.16	98.33	11680.
SDev	.05	.10	321.	508.	.17	.20	44.
%RSD	.0538	.1056	.1587	.1000	.1689	.2081	.3804
#1	97.15	97.94	202600.	508800.	98.28	98.48	11710.
#2	97.08	97.79	202100.	508100.	98.05	98.19	11640.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102.5	10160.	89.23	97.37	98.16	95.51	101.0

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SDev	.4	153.	1.63	.31	.21	1.83	.1
%RSD	.3712	1.510	1.824	.3143	.2156	1.915	.0776
#1	102.8	10260.	88.08	97.15	98.31	94.22	101.0
#2	102.2	10050.	90.38	97.59	98.01	96.81	100.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	98.46	92.72	97.72	93.13	85.18	96.47	95.39
SDev	3.01	1.39	8.09	3.67	2.40	.89	6.64
%RSD	3.057	1.502	8.284	3.945	2.823	.9218	6.959
#1	96.33	93.71	92.00	95.73	86.88	97.10	100.1
#2	100.6	91.74	103.4	90.53	83.48	95.85	90.70
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	120.0	120.0	120.0	120.0			
Low	80.00	80.00	80.00	80.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	88.59	96.42	98.36	99.54
SDev	2.26	14.09	5.10	.81
%RSD	2.554	14.61	5.189	.8180
#1	86.99	86.46	94.75	100.1
#2	90.19	106.4	102.0	98.97
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				120.0
Low				80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1112	--	--	--	--	--	--
SDev	12.32983	--	--	--	--	--	--
%RSD	1.109069	--	--	--	--	--	--
#1	1103	--	--	--	--	--	--
#2	1120	--	--	--	--	--	--

Method: I_SW846 Sample Name: CCV5 Operator:
Run Time: 02/17/00 20:53:53
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	247100.	4967.	9724.	973.7	2494.	124500.	4989.
SDev	744.	.	28.	.7	2.	65.	7.

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%RSD	.3012	.0067	.2879	.0693	.0664	.0525	.1369
#1	247600.	4967.	9744.	974.2	2495.	124500.	4993.
#2	246500.	4966.	9705.	973.2	2492.	124400.	4984.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2522.	11880.	103500.	124700.	4937.	2498.	50710.
SDev	4.	33.	116.	48.	7.	3.	155.
%RSD	.1710	.2800	.1122	.0386	.1393	.1247	.3047
#1	2525.	11900.	103600.	124700.	4942.	2500.	50820.
#2	2519.	11850.	103400.	124700.	4932.	2496.	50600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1217.	121400.	5010.	2397.	2465.	2510.	4777.
SDev	1.	300.	14.	5.	3.	.	10.
%RSD	.1113	.2475	.2813	.2056	.1334	.0029	.2094
#1	1218.	121600.	5020.	2400.	2468.	2510.	4784.
#2	1216.	121200.	5000.	2393.	2463.	2510.	4770.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	5520.
Low	1120.	112000.	4478.	2239.	2239.	2239.	4478.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9882.	10060.	5008.	987.2	10150.	10010.	990.3
SDev	15.	13.	9.	5.6	6.	22.	5.6
%RSD	.1545	.1251	.1799	.5707	.0583	.2179	.5703
#1	9892.	10050.	5002.	983.2	10150.	9996.	986.3
#2	9871.	10070.	5014.	991.2	10140.	10030.	994.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	11040.	11040.	5520.	1104.			
Low	8960.	8960.	4478.	896.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	981.0	5050.	4987.	997.2
SDev	5.6	2.	13.	1.8
%RSD	.5718	.0380	.2516	.1804
#1	977.1	5049.	4978.	998.5
#2	985.0	5051.	4996.	995.9

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				1104.			
Low				896.0			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1157	--	--	--	--	--	--
SDev	4.328526	--	--	--	--	--	--
%RSD	.3742267	--	--	--	--	--	--
#1	1154	--	--	--	--	--	--
#2	1160	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCR5 Operator:
Run Time: 02/17/00 20:59:10
Comment: 503311
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28.12	-.0425	.6702	.1545	.1158	35.85	.4664
SDev	2.05	.3599	.0901	.0126	.0133	3.43	.5707
%RSD	7.283	845.9	13.44	8.184	11.52	9.578	122.4
#1	26.67	.2119	.6065	.1456	.1064	33.42	.0628
#2	29.57	-.2970	.7339	.1635	.1252	38.28	.8699
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5403	.5249	21.12	30.52	.2627	-.0246	219.2
SDev	.2670	.9110	12.28	7.39	.0581	.6591	1.3
%RSD	49.42	173.6	58.15	24.22	22.11	2680.	.5951
#1	.3515	-.1193	12.44	25.29	.2216	-.4906	220.2
#2	.7291	1.169	29.81	35.75	.3037	.4415	218.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0062	-398.1	-.5668	-.1210	1.662	3.031	.2241
SDev	.0919	168.3	1.1809	.5045	.117	.795	.0672
%RSD	1487.	42.28	208.4	416.9	7.052	26.23	29.98
#1	-.0588	-517.2	-1.402	.2357	1.745	3.593	.1766
#2	.0711	-279.1	.2682	-.4777	1.579	2.469	.2716
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000

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Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.3922	-.5909	2.815	.3897	1.619	-1.707	.8136
SDev	1.149	.5101	.720	2.445	.951	1.239	4.667
%RSD	292.9	86.33	25.57	627.4	58.73	72.62	573.6
#1	-.4200	-.2302	2.306	2.119	.9466	-.8304	4.113
#2	1.204	-.9516	3.324	-1.339	2.291	-2.583	-2.486
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.4796	4.130	2.148	.9076
SDev	2.0044	2.364	.101	.7158
%RSD	417.9	57.23	4.709	78.86
#1	-1.897	2.459	2.220	.4015
#2	.9377	5.802	2.077	1.414
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1188	--	--	--	--	--	--
SDev	6.183645	--	--	--	--	--	--
%RSD	.5206621	--	--	--	--	--	--
#1	1183	--	--	--	--	--	--
#2	1192	--	--	--	--	--	--

Method: 1_S#846 Standard: STD1-Blank
Run Time: 02/17/00 21:04:27

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	.1874	-.0072	.0108	-.0515	.0386	.2968	.0137
SDev	.0012	.0125	.0015	.0014	.0038	.0039	.0074
%RSD	.6534	174.9	13.57	2.620	9.746	1.307	54.14
#1	.1866	.0017	.0097	-.0525	.0360	.2940	.0085
#2	.1883	-.0160	.0118	-.0506	.0413	.2995	.0190

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	-.0013	.1347	-.0038	.0317	.0068	.0011	3.621
SDev	.0072	.0038	.0125	.0019	.0012	.0015	.006
%RSD	570.3	2.801	328.6	5.959	17.38	141.4	.1538
#1	.0038	.1320	-.0127	.0330	.0059	.0000	3.625
#2	-.0063	.1373	.0051	.0303	.0076	.0021	3.617

DF
2-18-00

306832

9151T2.WSL

File : ~~9158T1~~.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
					306833			
1	STD1-BLANK		3		1.0	02/18/00	17:43:00	
2	STD2		3		1.0	02/18/00	17:48:00	
3	STD3		3		1.0	02/18/00	17:53:00	
4	STD4		3		1.0	02/18/00	17:59:00	
5	HSA		0		1.0	02/18/00	18:06:00	
6	ICV/CCV1		0		1.0	02/18/00	18:11:00	
7	ICB/CCB1		0		1.0	02/18/00	18:16:00	
8	ICSA1		0		1.0	02/18/00	18:21:00	
9	ICSAB1		0		1.0	02/18/00	18:27:00	
10	INT-20		0		1.0	02/18/00	18:36:00	
11	MCL		0		1.0	02/18/00	18:41:00	
12	BSW021800		0		1.0	02/18/00	18:47:00	
13	PBW021800		0		1.0	02/18/00	18:52:00	
14	LCSW		0		1.0	02/18/00	18:57:00	
15	184106D		0		1.0	02/18/00	19:03:00	
16	184106		0		1.0	02/18/00	19:08:00	
17	184106L		0		1.0	02/18/00	19:13:00	
18	CCV2		0		1.0	02/18/00	19:18:00	
19	CCB2		0		1.0	02/18/00	19:24:00	
20	184106MS		0		1.0	02/18/00	19:29:00	
21	184106MSD		0		1.0	02/18/00	19:34:00	
22	184106A		0		1.0	02/18/00	19:40:00	
23	184050		0		2.0	02/18/00	19:45:00	
24	184051		0		2.0	02/18/00	19:50:00	
25	184052		0		2.0	02/18/00	19:55:00	
26	184053		0		2.0	02/18/00	20:01:00	
27	184054		0		2.0	02/18/00	20:06:00	
28	184055		0		2.0	02/18/00	20:11:00	
29	184056		0		1.0	02/18/00	20:16:00	
30	CCV3		0		1.0	02/18/00	20:22:00	
31	CCB3		0		1.0	02/18/00	20:27:00	
32	184105		0		2.0	02/18/00	20:32:00	
33	184107		0		1.0	02/18/00	20:38:00	
34	184111		0		1.0	02/18/00	20:43:00	
35	183850		0		1.0	02/18/00	20:48:00	
36	183851		0		1.0	02/18/00	20:53:00	
37	184018		0		1.0	02/18/00	20:59:00	
38	184155		0		1.0	02/18/00	21:04:00	
39	184156		0		1.0	02/18/00	21:09:00	
40	184157		0		1.0	02/18/00	21:15:00	
41	184158		0		1.0	02/18/00	21:20:00	
42	CCV4		0		1.0	02/18/00	21:25:00	
43	CCB4		0		1.0	02/18/00	21:30:00	
44	184165		0		1.0	02/18/00	21:36:00	
45	184166		0		1.0	02/18/00	21:41:00	
46	ICSA2		0		1.0	02/18/00	21:46:00	
47	ICSAB2		0		1.0	02/18/00	21:52:00	
48	CCV5		0		1.0	02/18/00	21:57:00	
49	CCB5		0		1.0	02/18/00	22:02:00	
50	183699L		0		2.0	02/18/00	22:07:00	
51	183699MS		0		2.0	02/18/00	22:13:00	
52	183699MSD		0		2.0	02/18/00	22:18:00	
53	183701		0		2.0	02/18/00	22:23:00	
54	183703		0		10.0	02/18/00	22:29:00	
55	183703-20		0		20.0	02/18/00	22:34:00	
56	183814		0		2.0	02/18/00	22:39:00	
57	183815		0		2.0	02/18/00	22:44:00	

61	CCB6	0	1.0	02/18/00	23:06:00
62	183820	0	2.0	02/18/00	23:11:00
63	183821	0	2.0	02/18/00	23:16:00
64	183823	0	2.0	02/18/00	23:22:00
65	183528	0	2.0	02/18/00	23:27:00
66	183807	0	2.0	02/18/00	23:32:00
67	ICSA3	0	1.0	02/18/00	23:37:00
68	ICSAB3	0	1.0	02/18/00	23:43:00
69	CCV7	0	1.0	02/18/00	23:48:00
70	CCB7	0	1.0	02/18/00	23:53:00

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HSA	9158T1	1_SW846	02/18/00	18:06		S	CONC
2	ICV/CCV1	9158T1	1_SW846	02/18/00	18:11		S	CONC
3	ICB/CCB1	9158T1	1_SW846	02/18/00	18:16		S	CONC
4	ICSA1	9158T1	1_SW846	02/18/00	18:21		S	CONC
5	ICSAB1	9158T1	1_SW846	02/18/00	18:27		S	CONC
6	INT-20	9158T1	1_SW846	02/18/00	18:36		S	CONC
7	MCL	9158T1	1_SW846	02/18/00	18:41		S	CONC
8	RSW021800	9158T1	1_SW846	02/18/00	18:47		S	CONC
9	PRW021800	9158T1	1_SW846	02/18/00	18:52		S	CONC
10	LCSW	9158T1	1_SW846	02/18/00	18:57		S	CONC
11	184106D	9158T1	1_SW846	02/18/00	19:03		S	CONC
12	184106	9158T1	1_SW846	02/18/00	19:08		S	CONC
13	184106L	9158T1	1_SW846	02/18/00	19:13		S	CONC
14	CCV2	9158T1	1_SW846	02/18/00	19:18		S	CONC
15	CCB2	9158T1	1_SW846	02/18/00	19:24		S	CONC
16	184106MS	9158T1	1_SW846	02/18/00	19:29		S	CONC
17	184106MSD	9158T1	1_SW846	02/18/00	19:34		S	CONC
18	184106A	9158T1	1_SW846	02/18/00	19:40		S	CONC
19	184050-2X	9158T1	1_SW846	02/18/00	19:45		S	CONC
20	184051-2X	9158T1	1_SW846	02/18/00	19:50		S	CONC
21	184052-2X	9158T1	1_SW846	02/18/00	19:55		S	CONC
22	184053-2X	9158T1	1_SW846	02/18/00	20:01		S	CONC
23	184054-2X	9158T1	1_SW846	02/18/00	20:06		S	CONC
24	184055-2X	9158T1	1_SW846	02/18/00	20:11		S	CONC
25	184056	9158T1	1_SW846	02/18/00	20:16		S	CONC
26	CCV3	9158T1	1_SW846	02/18/00	20:22		S	CONC
27	CCB3	9158T1	1_SW846	02/18/00	20:27		S	CONC
28	184105-2X	9158T1	1_SW846	02/18/00	20:32		S	CONC
29	184107	9158T1	1_SW846	02/18/00	20:38		S	CONC
30	184111	9158T1	1_SW846	02/18/00	20:43		S	CONC
31	183850	9158T1	1_SW846	02/18/00	20:48		S	CONC
32	183851	9158T1	1_SW846	02/18/00	20:53		S	CONC
33	184018	9158T1	1_SW846	02/18/00	20:59		S	CONC
34	184155	9158T1	1_SW846	02/18/00	21:04		S	CONC
35	184156	9158T1	1_SW846	02/18/00	21:09		S	CONC
36	184157	9158T1	1_SW846	02/18/00	21:15		S	CONC
37	184158	9158T1	1_SW846	02/18/00	21:20		S	CONC
38	CCV4	9158T1	1_SW846	02/18/00	21:25		S	CONC
39	CCB4	9158T1	1_SW846	02/18/00	21:30		S	CONC
40	184165	9158T1	1_SW846	02/18/00	21:36		S	CONC
41	184166	9158T1	1_SW846	02/18/00	21:41		S	CONC
42	ICSA2	9158T1	1_SW846	02/18/00	21:46		S	CONC
43	ICSAB2	9158T1	1_SW846	02/18/00	21:52		S	CONC
44	CCV5	9158T1	1_SW846	02/18/00	21:57		S	CONC
45	CCB5	9158T1	1_SW846	02/18/00	22:02		S	CONC
46	183699L-2X	9158T1	1_SW846	02/18/00	22:07		S	CONC
47	183699MS-2X	9158T1	1_SW846	02/18/00	22:13		S	CONC
48	183699MSD-2X	9158T1	1_SW846	02/18/00	22:18		S	CONC
49	183701-2X	9158T1	1_SW846	02/18/00	22:23		S	CONC
50	183703-10X	9158T1	1_SW846	02/18/00	22:29		S	CONC
51	183703-20X	9158T1	1_SW846	02/18/00	22:34		S	CONC
52	183814-2X	9158T1	1_SW846	02/18/00	22:39		S	CONC
53	183815-2X	9158T1	1_SW846	02/18/00	22:44		S	CONC

306835

DE
2-22-00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	183818-2X	9158T1	1_SW846	02/18/00	22:50		S	CONC
55	183819-2X	9158T1	1_SW846	02/18/00	22:55		S	CONC
56	CCV6	9158T1	1_SW846	02/18/00	23:00		S	CONC
57	CC86	9158T1	1_SW846	02/18/00	23:06		S	CONC
58	183820-2X	9158T1	1_SW846	02/18/00	23:11		S	CONC
59	183821-2X	9158T1	1_SW846	02/18/00	23:16		S	CONC
60	183823-2X	9158T1	1_SW846	02/18/00	23:22		S	CONC
61	183528-2X	9158T1	1_SW846	02/18/00	23:27		S	CONC
62	183807-2X	9158T1	1_SW846	02/18/00	23:32		S	CONC
63	ICSA3	9158T1	1_SW846	02/18/00	23:37		S	CONC
64	ICSAB3	9158T1	1_SW846	02/18/00	23:43		S	CONC
65	CCV7	9158T1	1_SW846	02/18/00	23:48		S	CONC
66	CCB7	9158T1	1_SW846	02/18/00	23:53		S	CONC

306836

#	Sample Name	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179
1	HSA	502900.	9922.	19730.	1964.	4843.	244700.
2	ICV/CCV1	247500.	4863.	9801.	972.3	2460.	123000.
3	ICB/CCB1	43.51	1.421	1.421	.1977	.4458	14.43
4	ICSA1	501600.	3.059	1.814	.0336	-.0669	459100.
5	ICSAB1	496900.	99.27	104.0	95.51	94.76	458200.
6	INT-20	-143.2	2.246	-2.337	-21.27	-.1414	48.37
7	MCL	246.2	22.96	50.96	4.933	5.155	5065.
8	BSW021800	1999.	1981.	2035.	51.62	50.95	20130.
9	PBW021800	-6.305	.5215	.4442	-.0138	-.0851	12.89
10	LCSW	953.3	987.7	1010.	988.4	1031.	1007.
11	184106D	347.3	1.299	50.81	.1331	.0387	11220.
12	184106	537.8	.7041	51.43	.0294	-.0166	11190.
13	184106L	120.1	.7316	9.563	.0057	-.1138	2198.
14	CCV2	246900.	4854.	9776.	966.2	2445.	122600.
15	CCB2	19.14	.0031	.6831	.0995	.1116	7.713
16	184106MS	2483.	1996.	2076.	51.47	51.00	31180.
17	184106MSD	2533.	2012.	2112.	52.14	51.44	31660.
18	184106A	2481.	1944.	2034.	50.14	49.34	30580.
19	184050-2X	14870.	8.562	302.1	1.859	-.2081	185500.
20	184051-2X	36640.	16.42	738.1	2.835	-.0449	203100.
21	184052-2X	8870.	12.56	177.4	.8190	-.2409	118800.
22	184053-2X	32550.	19.94	548.6	3.345	-.3581	229400.
23	184054-2X	36250.	7.035	380.0	2.747	.2155	137000.
24	184055-2X	46540.	15.26	520.2	4.394	.3511	216300.
25	184056	17.94	.2575	.4453	.0050	-.1285	48.66
26	CCV3	247800.	4867.	9808.	969.5	2450.	123100.
27	CCB3	26.16	2.635	.8380	.1187	.2876	13.09
28	184105-2X	982.3	8.222	17.95	.0153	-.3588	16610.
29	184107	82.91	-.5542	72.43	-.0061	.0779	8753.
30	184111	8.750	.4204	.1849	-.0843	-.1211	31.25
31	183850	1068.	2.339	32.77	-.0026	.2528	118200.
32	183851	-1.720	.4086	.3720	-.0137	-.1410	47.25
33	184018	108.2	15.87	77.85	-.0257	-.1708	98470.
34	184155	16.59	3.458	523.7	-.0177	-.5325	121800.
35	184156	2.508	2.405	424.0	-.0403	-.3706	179100.
36	184157	68.16	2.941	337.9	-.0432	-.0036	175400.
37	184158	1148.	2.801	183.8	-.0725	-.0188	58080.
38	CCV4	247500.	4923.	9851.	986.0	2495.	124400.
39	CCB4	24.97	2.220	.7740	.1021	.1919	11.67
40	184165	3.742	1.222	321.5	-.0402	.1572	180500.
41	184166	346.9	1.101	161.1	-.0097	-.0326	31400.
42	ICSA2	504800.	.0920	1.307	-.0047	-.9942	469700.
43	ICSAB2	499400.	99.92	104.2	95.49	94.88	458100.
44	CCV5	249100.	4891.	9856.	975.9	2471.	123300.
45	CCB5	60.20	2.106	.8950	.0929	.2167	33.10
46	183699L-2X	10050.	6.136	47.32	.5662	-.0626	1732.
47	183699MS-2X	52540.	881.5	1126.	24.80	21.24	17060.
48	183699MSD-2X	52630.	884.9	1143.	24.98	21.80	17160.
49	183701-2X	34720.	17.80	283.9	1.828	-1.398	9596.
50	183703-10X	64.76	.9912	5.981	-.0100	-.1062	8323200.
51	183703-20X	35.90	.9943	2.837	-.0353	-.0246	164600.
52	183814-2X	14870.	8.536	78.90	.6544	-.4246	3617.
53	183815-2X	24060.	29.07	113.0	1.180	-.4676	7740.

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#	Sample Name	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179
54	183818-2X	35560.	21.36	348.8	1.566	-.0335	114000.
55	183819-2X	17350.	11.38	271.8	.9141	.3583	109600.
56	CCV6	248000.	4916.	9843.	983.1	2494.	124200.
57	CCB6	40.82	1.879	.9352	.1225	.2591	13.98
58	183820-2X	21980.	10.83	224.1	.9668	-.0735	5302.
59	183821-2X	17570.	6.750	147.7	.8138	-.2390	4694.
60	183823-2X	18330.	12.53	329.9	1.242	-.1443	45180.
61	183528-2X	12720.	5.046	99.17	.4339	-.0745	13990.
62	183807-2X	15580.	10.09	246.1	.5367	1.567	13650.
63	ICSA3	500700.	1.848	1.275	-.0616	-.4133	465600.
64	ICSAB3	498500.	101.5	104.6	95.19	94.68	456200.
65	CCV7	250100.	4954.	9869.	988.0	2509.	124900.
66	CCB7	44.60	-1.072	.7710	.1129	.1540	29.33

#	Sample Name	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576
1	HSA	9850.	4892.	25300.	197500.	249100.	9791.
2	ICV/CCV1	4905.	2447.	12280.	98400.	121600.	4917.
3	ICB/CCB1	.3644	.1385	2.094	16.90	17.63	.5955
4	ICSA1	1.252	-1.019	-.8541	192500.	501600.	1.318
5	ICSAB1	99.21	93.72	101.8	191500.	497800.	97.91
6	INT-20	20770.	20850.	-4.481	199.0	-89.68	19500.
7	MCI	24.75	55.95	51.26	212.4	5222.	23.79
8	BSW021800	207.7	513.6	249.5	1008.	20070.	511.3
9	PBW021800	.4446	.2383	.4392	13.65	5.374	1.560
10	LCSW	1021.	1020.	974.4	1027.	1010.	1007.
11	184106D	.9835	1.307	.2607	356.6	3742.	32.77
12	184106	1.363	1.528	.3259	534.9	3743.	32.80
13	184106I	-.1143	.0758	-.1725	101.0	730.5	6.178
14	CCV2	4898.	2441.	12180.	99050.	121800.	4895.
15	CCB2	.2210	-.1905	1.055	7.117	7.788	.2444
16	184106MS	207.9	516.3	249.0	1465.	23670.	543.6
17	184106MSD	210.6	524.2	252.4	1508.	24080.	552.1
18	184106A	203.0	504.9	242.3	1525.	23190.	531.3
19	184050-2X	171.0	23.46	118.0	65330.	77520.	2032.
20	184051-2X	417.2	54.62	212.1	165100.	107500.	6906.
21	184052-2X	149.6	14.42	95.32	40350.	54730.	1008.
22	184053-2X	83.73	39.59	189.4	82820.	79890.	5220.
23	184054-2X	129.2	47.82	199.3	81750.	67030.	2131.
24	184055-2X	129.6	70.74	202.6	97800.	104600.	2406.
25	184056	.0428	-.3017	.1075	32.99	56.34	2.066
26	CCV3	4923.	2453.	12200.	99350.	122000.	4913.
27	CCB3	.7017	.2237	1.470	21.68	12.43	.4790
28	184105-2X	3.355	-.0395	1.869	35570.	5178.	385.8
29	184107	.2638	1.552	2.157	58.38	5000.	11.55
30	184111	-.2823	-.4707	-.1361	10.41	.1763	1.317
31	183850	1.704	.9066	10.83	1931.	10840.	79.94
32	183851	.1206	-.1939	-.1126	5.433	2.775	1.724
33	184018	.1874	.0073	.9555	3.516	24790.	37.00
34	184155	-.3537	.6900	2.775	37270.	34110.	714.7
35	184156	-.1052	1.405	2.451	31130.	95840.	3100.
36	184157	.0866	1.200	.2105	12040.	95570.	3073.
37	184158	.9827	.6887	1.447	470.1	102500.	965.6

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#	Sample Name	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576
38	CCV4	4957.	2459.	12460.	98050.	122500.	4977.
39	CCB4	.1531	-.1616	1.239	1.859	12.46	.3939
40	184165	.1026	1.250	.3085	3843.	97220.	3158.
41	184166	.8480	.3850	1.086	135.3	96600.	215.0
42	ICSA2	1.308	-.8491	-1.883	192100.	509100.	1.301
43	ICSAB2	99.57	93.18	102.3	190800.	497400.	98.30
44	CCV5	4928.	2447.	12410.	97950.	121600.	4945.
45	CCB5	.3078	.1684	1.438	26.98	40.13	.3277
46	183699I-2X	23.98	6.526	7.522	17540.	3614.	470.2
47	183699MS-2X	205.0	255.1	144.3	84280.	26260.	2324.
48	183699MSD-2X	206.4	256.0	148.1	84510.	26150.	2303.
49	183701-2X	88.98	30.25	152.7	103300.	6491.	1032.
50	183703-10X	2.207	-.0602	-.3574	54.56	1905.	2.077
51	183703-20X	.9340	.0036	-.0177	27.66	956.1	.8601
52	183814-2X	41.06	13.11	35.53	39850.	5492.	717.4
53	183815-2X	54.83	16.00	48.54	50290.	6344.	953.3
54	183818-2X	62.11	16.55	69.64	48270.	15590.	988.1
55	183819-2X	45.86	16.64	78.73	48790.	39040.	1040.
56	CCV6	4947.	2456.	12460.	97830.	122500.	4969.
57	CCB6	.4215	-.1892	1.310	11.22	14.26	.4370
58	183820-2X	45.73	15.52	58.01	43150.	5446.	927.4
59	183821-2X	40.36	17.61	52.83	39520.	5495.	927.2
60	183823-2X	93.61	20.24	79.28	55500.	7275.	1143.
61	183528-2X	28.51	3.385	681.8	15900.	1234.	105.7
62	183807-2X	120.3	8.204	111.0	47840.	4035.	309.1
63	ICSA3	1.199	-.9277	-1.851	192500.	506100.	1.102
64	ICSAB3	99.07	92.77	102.8	188300.	493400.	98.21
65	CCV7	4970.	2467.	12510.	98070.	123000.	4994.
66	CCB7	.1725	-.0654	.8404	24.45	32.61	.3157

#	Sample Name	Ni2316	K_7664	Ag3280	Na3302	Tl1908	V_2924
1	HSA	4864.	101300.	2564.	252500.	9774.	4944.
2	ICV/CCV1	2449.	50560.	1221.	123500.	4848.	2441.
3	ICB/CCB1	.0623	167.0	-.1334	-524.2	.4109	.3532
4	ICSA1	1.308	110.3	-.0805	-269.8	-5.254	.5550
5	ICSAB1	96.55	11210.	102.8	10300.	85.73	98.67
6	INT-20	20870.	166.6	.1673	-1256.	14.55	20020.
7	MCL	56.65	10580.	20.74	10050.	18.06	55.32
8	BSW021800	514.9	20160.	48.61	20040.	2030.	510.4
9	PBW021800	.0861	164.7	.3272	-272.6	2.161	.5222
10	LCSW	1037.	9941.	937.5	1797.2	1013.	989.0
11	184106D	3.344	4082.	.1770	19040.	.3349	1.186
12	184106	3.492	4104.	.5183	19080.	-.4794	.9940
13	184106L	.3190	917.0	-.2500	3550.	-.0083	.1714
14	CCV2	2442.	50640.	1221.	123800.	4879.	2416.
15	CCB2	-.6141	149.5	.2249	-472.6	-1.292	.2832
16	184106MS	520.2	23850.	48.72	39050.	2027.	506.8
17	184106MSD	527.8	24360.	49.56	39750.	2057.	513.2
18	184106A	507.3	23460.	47.61	38330.	1993.	492.7
19	184050-2X	94.59	9284.	-.1871	23660.	.8212	61.96
20	184051-2X	141.8	9831.	.2099	32600.	.1608	205.8
21	184052-2X	56.34	6018.	-.0098	35880.	-.5447	36.93

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#	Sample Name	Ni2316	K_7664	Ag3280	Na3302	Tl1908	V_2924
22	184053-2X	65.01	11830.	.0335	33530.	1.636	137.4
23	184054-2X	80.37	9147.	.8450	34410.	-.4218	178.6
24	184055-2X	107.6	15380.	.2945	43710.	.2432	174.2
25	184056	-.4559	174.1	.0774	-576.8	-.6453	.4077
26	CCV3	2450.	50740.	1225.	124200.	4899.	2424.
27	CCB3	-.2727	155.7	.7084	-272.8	-.2177	.4995
28	184105-2X	.5825	6435.	.3757	6300.	-.8459	3.783
29	184107	1.764	2690.	.2664	9429.	-1.456	.5331
30	184111	-.0224	151.0	-.0899	-608.2	-.1585	-.0728
31	183850	3.172	5305.	.2713	13440.	-.7072	5.179
32	183851	-.6038	162.0	.3811	-497.2	-2.368	.4346
33	184018	.6080	6469.	.3184	20430.	-3.351	7.190
34	184155	1.513	27320.	-.1307	H711400.	-2.344	1.129
35	184156	3.074	41080.	.0997	H912000.	-3.450	.6142
36	184157	2.084	41090.	-.1005	H906700.	-3.435	-.1520
37	184158	2.010	45450.	.2118	H1097e3	-2.417	.3313
38	CCV4	2470.	50780.	1229.	124500.	4890.	2492.
39	CCB4	-.0868	134.7	-.2583	-343.4	-.4485	.4961
40	184165	2.714	41820.	-.2710	H915400.	-3.584	-.4443
41	184166	1.209	43600.	-.0410	H1062e3	-2.552	-.0773
42	ICSA2	1.391	114.9	.3725	-27.53	-6.632	.7381
43	ICSAB2	95.10	11340.	102.9	10350.	87.30	99.24
44	CCV5	2456.	50990.	1228.	124700.	4886.	2470.
45	CCB5	-.2465	132.8	.2664	-395.2	.6509	.2972
46	183699L-2X	14.09	1448.	.2426	-16.57	-2.101	25.24
47	183699MS-2X	294.0	15290.	21.47	9559.	878.0	338.3
48	183699MSD-2X	295.5	15540.	21.89	9812.	883.2	344.4
49	183701-2X	38.86	3858.	.0955	66.20	.9637	169.0
50	183703-10X	-.0504	194.1	.3384	2311.	-1.448	.7029
51	183703-20X	-.0295	153.7	.5141	884.5	-.9699	.0625
52	183814-2X	42.71	2141.	-.0900	103.9	-2.958	47.75
53	183815-2X	48.40	2290.	.1113	435.9	1.125	65.28
54	183818-2X	40.22	2493.	.7570	212.0	-.0259	80.71
55	183819-2X	45.67	2715.	.6237	149.5	-1.994	71.87
56	CCV6	2469.	50780.	1229.	124800.	4896.	2489.
57	CCB6	.0135	144.4	.1968	-492.0	-1.734	.1556
58	183820-2X	42.60	1970.	.2713	-83.00	-1.224	60.55
59	183821-2X	45.05	2320.	.4887	47.63	-.8631	54.96
60	183823-2X	39.11	2941.	.5585	524.3	-1.385	83.50
61	183528-2X	11.80	1080.	-.1527	131.8	-1.655	22.73
62	183807-2X	110.0	1841.	1.487	172.6	-1.849	39.41
63	ICSA3	1.276	105.3	.3402	-402.3	-8.773	.4511
64	ICSAB3	95.44	11340.	103.4	10340.	87.65	100.2
65	CCV7	2482.	51030.	1232.	125300.	4921.	2501.
66	CCB7	-.3577	63.43	.5586	-499.5	-.0186	.5238

#	Sample Name	Zn2138	Mo2020	Sr4215	Ti3349	Pb2203	Se1960
1	HSA	4903.	4953.	9714.	20120.	19480.	9922.
2	ICV/CCV1	2454.	2495.	4817.	9714.	9783.	4872.
3	ICB/CCB1	1.462	4.618	.5837	1.597	1.408	.0678
4	ICSA1	-1.938	.6521	-.9661	.5363	-.2450	2.715
5	ICSAB1	98.31	95.46	102.2	95.36	94.90	99.35

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#	Sample Name	Zn2138	Mo2020	Sr4215	Ti3349	Pb2203	Se1960
6	INT-20	7.171	19660.	17900.	20120.	1.594	-3.136
7	MCL	54.30	76.83	15.87	53.74	9.967	9.568
8	BSW021800	510.2	523.3	516.1	506.5	502.0	1980.
9	PUW021800	3.600	2.868	.0796	.9671	-.5981	-.5415
10	LCSW	1001.	994.2	L-.0756	970.7	998.5	983.9
11	184106D	6.553	1.838	63.72	9.569	-.0410	1.041
12	184106	6.259	1.011	63.89	15.02	-.6579	-.8728
13	184106L	3.489	.7105	12.20	2.313	-.6639	-1.404
14	CCV2	2442.	2474.	4799.	9705.	9758.	4856.
15	CCB2	1.556	3.271	.2122	1.030	1.059	.3678
16	184106MS	514.5	516.6	577.4	516.5	500.4	1968.
17	184106MSD	523.1	524.5	587.1	525.3	507.5	1998.
18	184106A	502.5	506.3	565.9	510.9	484.9	1910.
19	184050-2X	1171.	38.72	163.5	936.5	44.23	1.157
20	184051-2X	588.6	45.40	201.2	2604.	51.81	-.2091
21	184052-2X	357.0	20.19	115.4	520.8	18.70	-.1472
22	184053-2X	202.6	2.163	245.4	2164.	43.31	2.015
23	184054-2X	246.6	1.904	152.3	2605.	50.96	4.458
24	184055-2X	369.1	2.263	245.0	3690.	54.43	2.707
25	184056	6.354	.2901	-.1836	2.026	-.8185	.1777
26	CCV3	2446.	2487.	4819.	9774.	9769.	4858.
27	CCB3	1.919	3.332	.3230	1.543	.9176	-1.748
28	184105-2X	9.078	1.881	90.37	22.96	1.123	1.216
29	184107	15.15	.6050	80.69	.1066	3.799	-.2506
30	184111	6.068	.7192	-.2256	-.8335	-1.016	-.5007
31	183850	25.32	1.314	797.9	50.85	18.27	-2.149
32	183851	8.933	.5105	-.1186	.2283	-.4576	-1.067
33	184018	12.07	24.74	1309.	-.5342	.6744	.4639
34	184155	89.26	1.494	865.6	-3.133	-.5174	-.7358
35	184156	105.8	4.113	1355.	-3.152	-1.369	1.436
36	184157	71.08	3.728	1322.	-2.143	-.9707	-.5964
37	184158	21.36	4.673	808.4	-4.572	-2.222	-.8736
38	CCV4	2482.	2507.	4865.	9776.	9923.	4941.
39	CCB4	1.842	2.826	.3400	.0206	.6810	-.4371
40	184165	64.07	4.541	1359.	-3.628	-1.081	-1.691
41	184166	7.526	4.930	644.1	-4.161	-1.546	.1703
42	ICSA2	-.8611	-.8030	-1.220	.8720	-.3360	-5.087
43	ICSAB2	98.90	95.81	102.9	95.58	93.27	88.74
44	CCV5	2466.	2492.	4860.	9766.	9809.	4894.
45	CCB5	1.596	2.732	.3147	1.352	.9177	-.0494
46	183699L-2X	41.25	1.315	14.73	367.6	8.093	2.363
47	183699MS-2X	410.6	216.8	301.5	2027.	255.0	844.4
48	183699MSD-2X	412.6	218.6	307.5	2030.	277.0	862.6
49	183701-2X	156.8	2.858	65.68	1485.	286.7	.1560
50	183703-10X	3.278	.2029	7051.	2.133	1.421	-.9308
51	183703-20X	2.820	.3048	3601.	1.149	.1223	-1.075
52	183814-2X	87.60	1.576	25.79	773.7	47.46	-2.177
53	183815-2X	129.8	2.063	24.84	800.9	136.9	2.371
54	183818-2X	340.2	4.094	571.2	1282.	549.5	.1108
55	183819-2X	425.9	2.227	234.5	934.8	296.5	-.1221
56	CCV6	2479.	2506.	4863.	9773.	9877.	4916.
57	CCB6	1.942	3.323	.3402	1.517	1.768	.7775
58	183820-2X	174.1	2.060	35.98	844.3	289.8	-1.510
59	183821-2X	144.7	1.008	32.36	794.5	91.52	-1.929

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#	Sample Name	Zn2138	Mo2020	Sr4215	Ti3349	Pb2203	Se1960
60	183823-2X	375.1	2.499	224.1	971.6	349.9	.1715
61	183528-2X	110.2	2.323	33.00	217.9	90.59	-1.166
62	183807-2X	931.5	9.609	63.83	427.1	708.5	-.6364
63	ICSA3	-1.734	-.5485	-1.448	.5333	-2.485	-4.247
64	ICSAB3	99.01	95.67	103.5	95.42	92.53	93.09
65	CCV7	2493.	2515.	4882.	9808.	9993.	4960.
66	CCB7	1.724	3.433	.2716	2.041	-.6316	1.303

#	Sample Name	Sb2068	B_2496
1	BSA	2002.	2003.
2	ICV/CCV1	965.8	1003.
3	ICB/CCB1	2.537	1.927
4	ICSA1	-3.220	-1.114
5	ICSAB1	89.07	100.8
6	INT-20	-163.7	-4.060
7	MCL	19.82	103.6
8	BSW021800	497.0	517.6
9	PBW021800	.7589	10.95
10	LCSW	968.8	1001.
11	184106D	2.387	128.8
12	184106	2.882	126.7
13	184106I	-.4140	25.25
14	CCV2	965.6	992.7
15	CCB2	1.968	1.297
16	184106MS	495.1	642.7
17	184106MSD	504.0	651.6
18	184106A	479.6	625.1
19	184050-2X	-1.972	48.39
20	184051-2X	-7.595	49.44
21	184052-2X	-.4481	41.25
22	184053-2X	-2.676	40.07
23	184054-2X	-3.235	45.04
24	184055-2X	-4.082	41.15
25	184056	.8994	3.861
26	CCV3	962.5	995.7
27	CCB3	1.169	1.257
28	184105-2X	.1150	25.41
29	184107	.4577	273.3
30	184111	1.378	3.548
31	183850	.2672	75.68
32	183851	1.562	2.878
33	184018	5.033	351.5
34	184155	.3998	312.0
35	184156	-1.687	616.6
36	184157	-.9395	614.6
37	184158	.3189	668.2
38	CCV4	977.3	1007.
39	CCB4	2.262	1.390
40	184165	-.7983	620.8
41	184166	-.0340	646.4
42	ICSA2	-6.226	-.9681
43	ICSAB2	94.53	100.1

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#	Sample Name	Sb2068	B_2496
44	CCV5	974.8	1004.
45	CCB5	1.758	1.354
46	183699L-2X	-.3777	6.460
47	183699MS-2X	83.25	233.5
48	183699MSD-2X	82.95	238.3
49	183701-2X	-3.175	6.100
50	183703-10X	.2065	21.44
51	183703-20X	.6623	11.04
52	183814-2X	-2.364	2.631
53	183815-2X	-2.021	3.327
54	183818-2X	-1.527	33.58
55	183819-2X	1.299	8.864
56	CCV6	975.5	1005.
57	CCB6	2.019	.8672
58	183820-2X	1.966	4.255
59	183821-2X	-1.139	2.439
60	183823-2X	.1246	7.048
61	183528-2X	-.0044	15.73
62	183807-2X	.2904	45.90
63	ICSA3	-9.622	-2.594
64	ICSAB3	93.39	99.92
65	CCV7	982.6	1011.
66	CCB7	1.502	.9012

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Method: 1_SW846 Standard: STD1-Blank
Run Time: 02/18/00 17:43:15

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	.1473	-.0217	.0013	-.0410	.0144	.2449	.0119
SDev	.0002	.0083	.0012	.0000	.0103	.0001	.0015
%RSD	.1567	38.03	94.26	.0439	71.77	.0439	12.36
#1	.1475	-.0276	.0021	-.0409	.0071	.2448	.0130
#2	.1472	-.0159	.0004	-.0410	.0217	.2450	.0109

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	-.0023	.1020	-.0159	.0117	.0025	.0125	3.412
SDev	.0098	.0035	.0047	.0059	.0012	.0242	.007
%RSD	423.9	3.434	29.73	50.47	47.10	193.3	.2171
#1	.0046	.1044	-.0192	.0159	.0033	.0297	3.407
#2	-.0092	.0995	-.0125	.0075	.0017	-.0046	3.417

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Avge	-.1197	.0096	-.0230	-.0017	.0430	-.0226	.0142
SDev	.0008	.0006	.0136	.0021	.0006	.0095	.0000
%RSD	.6966	6.193	59.18	125.7	1.329	41.94	.0438
#1	-.1203	.0092	-.0134	-.0002	.0434	-.0159	.0142
#2	-.1191	.0100	-.0326	-.0032	.0426	-.0293	.0142

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	-.2579	-.0112	.0109	-.0138	-.0025	-.3385	.1843
SDev	.0385	.2417	.0508	.0041	.0059	.0708	.0338
%RSD	14.94	2152.	468.2	30.04	235.8	20.91	18.32
#1	-.2306	-.1822	.0468	-.0109	-.0067	-.3885	.1604
#2	-.2851	.1597	-.0251	-.0167	.0017	-.2884	.2082

Elem	B_2496
Avge	.0017
SDev	.0000
%RSD	.0438
#1	.0017
#2	.0017

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1196	--	--	--	--	--	--
SDev	.5246332	--	--	--	--	--	--
%RSD	.0438502	--	--	--	--	--	--
#1	1197	--	--	--	--	--	--
#2	1196	--	--	--	--	--	--

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Method: 1_SW846 Standard: STD4
Run Time: 02/18/00 17:48:37

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	100.7	11.09	45.10	8.421	61.69	85.36	23.32
SDev	.0	.02	.04	.020	.20	.10	.01
%RSD	.0071	.2076	.0919	.2350	.3186	.1192	.0430
#1	100.7	11.10	45.13	8.435	61.83	85.43	23.33
#2	100.7	11.07	45.08	8.407	61.55	85.29	23.32

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280
Avge	15.92	29.42	21.09	47.18	19.85	49.64	3.855
SDev	.01	.07	.02	.02	.03	.06	.002
%RSD	.0598	.2405	.1008	.0386	.1597	.1304	.0619
#1	15.93	29.47	21.08	47.19	19.87	49.59	3.857
#2	15.91	29.37	21.11	47.17	19.83	49.68	3.854

Elem	Tl1908	V_2924	Zn2138	Mo2020	Sr4215	Ti3349	2203/1
Avge	11.42	3.470	12.74	17.04	109.6	161.4	230.0
SDev	.01	.013	.02	.02	.1	.0	.6
%RSD	.1017	.3660	.1767	.1399	.1183	.0192	.2426
#1	11.43	3.479	12.76	17.06	109.6	161.5	229.6
#2	11.42	3.461	12.73	17.02	109.5	161.4	230.4

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Avge	55.30	2.682	.6269	22.99	17.39	2.577
SDev	.29	.009	.0174	.11	.03	.025
%RSD	.5234	.3305	2.773	.4601	.1855	.9885
#1	55.09	2.676	.6146	22.91	17.37	2.595
#2	55.50	2.688	.6392	23.06	17.42	2.559

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1203	--	--	--	--	--	--
SDev	2.923117	--	--	--	--	--	--
%RSD	.2428851	--	--	--	--	--	--
#1	1206	--	--	--	--	--	--
#2	1201	--	--	--	--	--	--

Method: 1_SW846 Standard: STD3
Run Time: 02/18/00 17:53:55

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	505.1	54.33	219.9	40.76	294.7	413.3	113.1
SDev	.3	.07	.0	.03	.5	.7	.1
%RSD	.0653	.1313	.0133	.0717	.1660	.1651	.0686
#1	504.9	54.28	219.8	40.74	294.4	412.8	113.0
#2	505.4	54.38	219.9	40.78	295.1	413.8	113.1

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280
Avge	76.73	146.3	102.7	229.0	96.00	237.4	19.96
SDev	.04	.0	.1	.3	.13	.4	.00
%RSD	.0549	.0212	.1226	.1164	.1306	.1823	.0192
#1	76.70	146.2	102.7	228.8	95.92	237.1	19.96
#2	76.76	146.3	102.8	229.2	96.09	237.7	19.96

Elem	Ti1908	V_2924	Zn2138	Mo2020	Sr4215	Ti3349	2203/1
Avge	55.12	16.94	61.69	83.68	527.7	803.6	1112.
SDev	.10	.02	.04	.28	.4	.7	2.
%RSD	.1770	.1067	.0579	.3333	.0834	.0895	.2190
#1	55.05	16.93	61.67	83.48	527.4	803.1	1114.
#2	55.19	16.96	61.72	83.88	528.1	804.2	1110.

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Avge	265.5	13.32	3.138	114.2	85.30	12.74
SDev	.6	.00	.004	.8	.42	.00
%RSD	.2340	.0036	.1208	.6617	.4879	.0289
#1	265.9	13.32	3.135	114.7	85.59	12.73
#2	265.1	13.32	3.140	113.6	85.00	12.74

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1173	--	--	--	--	--	--
SDev	3.991286	--	--	--	--	--	--
%RSD	.3401990	--	--	--	--	--	--
#1	1170	--	--	--	--	--	--
#2	1176	--	--	--	--	--	--

Method: I_SW846 Standard: STD2
Run Time: 02/18/00 17:59:14

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	999.3	107.7	430.1	79.90	570.3	802.6	221.1
SDev	2.6	.0	.4	.12	.7	1.1	.2
%RSD	.2593	.0100	.1027	.1461	.1174	.1384	.0957
#1	1001.	107.7	429.8	79.81	569.8	801.8	221.0
#2	997.4	107.7	430.4	79.98	570.7	803.4	221.3

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	148.6	296.7	199.3	454.2	187.0	459.0	161.0
SDev	.0	.5	.0	.3	.2	.2	.7
%RSD	.0168	.1745	.0166	.0730	.1211	.0470	.4159
#1	148.6	297.0	199.3	453.9	186.9	458.8	161.4
#2	148.6	296.3	199.2	454.4	187.2	459.1	160.5

Elem	Ag3280	Na3302	Ti1908	V_2924	Zn2138	Mo2020	Sr4215
Avge	40.71	25.06	106.7	33.71	120.3	164.6	1021.
SDev	.08	.10	.1	.05	.0	.3	.

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%RSD	.1983	.4028	.0668	.1546	.0083	.1841	.0274
#1	40.77	25.13	106.6	33.67	120.3	164.4	1021.
#2	40.66	24.98	106.7	33.75	120.3	164.9	1021.

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	1601.	2161.	516.9	26.76	6.328	227.0	168.8
SDev	.	.	.2	.09	.033	.3	.2
%RSD	.0042	.0004	.0426	.3275	.5182	.1222	.1290
#1	1601.	2161.	517.1	26.82	6.305	227.2	169.0
#2	1601.	2161.	516.7	26.70	6.351	226.9	168.7

Elem	8_2496
Avge	25.34
SDev	.03
%RSD	.0987
#1	25.36
#2	25.32

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1137	--	--	--	--	--	--
SDev	4.834428	--	--	--	--	--	--
%RSD	.4251387	--	--	--	--	--	--
#1	1134	--	--	--	--	--	--
#2	1141	--	--	--	--	--	--

Method: 1_SW846 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	497.729	-73.9311	12/31/99 11:20:10
As1890	189.042	Multiple	Standards	91.6068	1.83909	12/31/99 11:20:10
Ba4394	439.409	Multiple	Standards	45.4329	-.491855	12/31/99 11:20:10
Be3130	313.042	Multiple	Standards	24.2764	.939471	12/31/99 11:20:10
Cd2265	226.502	Multiple	Standards	8.48256	-.307024	12/31/99 11:20:10
Ca3179	317.933	Multiple	Standards	302.501	-80.7340	12/31/99 11:20:10
Cr2677	267.716	Multiple	Standards	44.1155	-.773200	12/31/99 11:20:10
Co2286	228.616	Multiple	Standards	32.7501	-.083786	12/31/99 11:20:10
Cu3247	324.753	Multiple	Standards	85.0536	-8.59266	12/31/99 11:20:10
Fe2714	271.441	Multiple	Standards	974.945	10.3973	12/31/99 11:20:10
Mg2790	279.078	Multiple	Standards	542.009	-11.2053	12/31/99 11:20:10
Mn2576	257.610	Multiple	Standards	51.9824	-.405738	12/31/99 11:20:10
Ni2316	231.604	Multiple	Standards	10.4788	-.313081	12/31/99 11:20:10
K_7664	766.491	STD2	STD1-Blank	.645086	5.79907	02/18/00 05:59:14
Ag3280	328.068	Multiple	Standards	62.1390	7.46818	12/31/99 11:20:10
Na3302	330.232	STD2	STD1-Blank	.740411	-.005627	02/18/00 05:59:14
Tl1908	190.864	Multiple	Standards	90.7955	1.76472	12/31/99 11:20:10
V_2924	292.402	Multiple	Standards	146.219	.167604	12/31/99 11:20:10
Zn2138	213.856	Multiple	Standards	40.9873	-1.89119	12/31/99 11:20:10
Mo2020	202.030	Multiple	Standards	29.8424	.592494	12/31/99 11:20:10
Sr4215	421.552	Multiple	Standards	9.46863	-.456965	12/31/99 11:20:10

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Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ti3349	334.941	Multiple	Standards	12.4459	3.11898	12/31/99 11:20:10
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
2203/1	220.351	Multiple	Standards	9.06507	-.474899	12/31/99 11:20:10
2203/2	220.352	Multiple	Standards	37.2880	-1.03891	12/31/99 11:20:10
2068/1	206.831	Multiple	Standards	79.6182	1.08796	12/31/99 11:20:10
2068/2	206.832	Multiple	Standards	322.123	.810073	12/31/99 11:20:10
1960/1	196.021	Multiple	Standards	43.4918	14.5936	12/31/99 11:20:10
1960/2	196.022	Multiple	Standards	58.1469	-10.8087	12/31/99 11:20:10
B_2496	249.678	Multiple	Standards	78.6476	-.147331	12/31/99 11:20:10

Method: 1_SW846

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-Blank	.000000	-.608546	.608546
		STD4	50000.0	50059.2	-59.1836
		STD3	250000.	251345.	-1345.34
		STD2	500000.	497297.	2702.97

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-Blank	.000000	-.151494	.151494
		STD4	1000.00	1017.43	-17.4292
		STD3	5000.00	4978.85	21.1460
		STD2	10000.0	9871.42	128.581

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4394	439.409	STD1-Blank	.000000	-.434906	.434906
		STD4	2000.00	2048.75	-48.7493
		STD3	10000.0	9988.56	11.4375
		STD2	20000.0	19540.0	459.965

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD1-Blank	.000000	-.054779	.054779
		STD4	200.000	205.372	-5.37224
		STD3	1000.00	990.345	9.65472
		STD2	2000.00	1940.51	59.4928

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD1-Blank	.000000	-.184704	.184704
		STD4	500.000	522.990	-22.9903
		STD3	2500.00	2499.86	.143799
		STD2	5000.00	4836.93	163.074

CorCoef: 0.99984

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD1-Blank	.000000	-6.65250	6.65250
		STD4	25000.0	25740.3	-740.316
		STD3	125000.	124948.	51.8672
		STD2	250000.	242701.	7299.47

CorCoef: 0.99988

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD1-Blank	.000000	-.247776	.247776
		STD4	1000.00	1028.19	-28.1898
		STD3	5000.00	4987.34	12.6631
		STD2	10000.0	9753.63	246.370

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD1-Blank	.000000	-.159133	.159133
		STD4	500.000	521.265	-21.2651
		STD3	2500.00	2512.83	-12.8347
		STD2	5000.00	4866.14	133.861

CorCoef: 0.99985

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	STD1-Blank	.000000	.080246	-.080246
		STD4	2500.00	2493.40	6.59863
		STD3	12500.0	12431.4	68.6455
		STD2	25000.0	25224.7	-224.666

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD1-Blank	.000000	-5.08452	5.08452
		STD4	20000.0	20574.2	-574.236
		STD3	100000.	100178.	-178.352
		STD2	200000.	194269.	5730.78

CorCoef: 0.99987

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD1-Blank	.000000	-4.86362	4.86362
		STD4	25000.0	25559.9	-559.863
		STD3	125000.	124124.	875.742
		STD2	250000.	246153.	3847.14

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD1-Blank	.000000	-.275407	.275407
		STD4	1000.00	1031.42	-31.4247
		STD3	5000.00	4990.15	9.85059
		STD2	10000.0	9721.79	278.210

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD1-Blank	.000000	-.181760	.181760
		STD4	500.000	519.814	-19.8139
		STD3	2500.00	2487.30	12.7017
		STD2	5000.00	4809.34	190.661

CorCoef: 0.99984

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD1-Blank	8.00000	3.41184	4.58816
		STD2	109.636	160.966	-51.3299

			Known	Measured	Residual

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Element	Wavelength	Standard	Concentration	Concentration	Concentration
Ag3280	328.068	STD1-Blank	.000000	.028158	-.028158
		STD4	250.000	247.041	2.95934
		STD3	1250.00	1247.66	2.34277
		STD2	2500.00	2537.44	-37.4438

CorCoef: 0.99996

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	STD1-Blank	.001490	.009612	-.008122
		STD2	18.5458	25.0556	-6.50978

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al1908	190.864	STD1-Blank	.000000	-.322500	.322500
		STD4	1000.00	1039.07	-39.0676
		STD3	5000.00	5006.21	-6.20898
		STD2	10000.0	9687.96	312.044

CorCoef: 0.99985

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD1-Blank	.000000	-.076891	.076891
		STD4	500.000	507.564	-7.56366
		STD3	2500.00	2477.59	22.4099
		STD2	5000.00	4929.28	70.7158

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2138	213.856	STD1-Blank	.000000	-.126902	.126902
		STD4	500.000	520.454	-20.4539
		STD3	2500.00	2526.71	-26.7068
		STD2	5000.00	4929.62	70.3779

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-Blank	.000000	-.081029	.081029
		STD4	500.000	509.053	-9.05338
		STD3	2500.00	2497.74	2.25537
		STD2	5000.00	4913.98	86.0229

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	STD1-Blank	.000000	-.322425	.322425
		STD4	1000.00	1036.87	-36.8744
		STD3	5000.00	4996.53	3.47363
		STD2	10000.0	9664.45	335.548

CorCoef: 0.99984

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	STD1-Blank	.000000	-.090332	.090332
		STD4	2000.00	2012.34	-12.3379
		STD3	10000.0	10005.2	-5.17578
		STD2	20000.0	19934.3	65.6738

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD1-Blank	.000000	-.576705	.576705
		STD4	2000.00	2084.50	-84.5044
		STD3	10000.0	10080.9	-80.8779
		STD2	20000.0	19593.2	406.773

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD1-Blank	.000000	-.634168	.634168
		STD4	2000.00	2060.83	-60.8333
		STD3	10000.0	9899.09	100.913
		STD2	20000.0	19272.9	727.059

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/1	206.831	STD1-Blank	.000000	-.010139	.010139
		STD4	200.000	214.639	-14.6394
		STD3	1000.00	1061.92	-61.9211
		STD2	2000.00	2131.76	-131.763

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/2	206.832	STD1-Blank	.000000	.002773	-.002773
		STD4	200.000	202.763	-2.76338
		STD3	1000.00	1011.48	-11.4753
		STD2	2000.00	2039.23	-39.2324

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD1-Blank	.000000	-.128148	.128148
		STD4	1000.00	1014.41	-14.4074
		STD3	5000.00	4979.40	20.5986
		STD2	10000.0	9889.33	110.675

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	STD1-Blank	.000000	-.091773	.091773
		STD4	1000.00	1000.55	-.546875
		STD3	5000.00	4949.01	50.9941
		STD2	10000.0	9805.37	194.630

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD1-Blank	.000000	-.015860	.015860

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STD4	200.000	202.498	-2.49815
STD3	1000.00	1001.63	-1.63263
STD2	2000.00	1992.60	7.39673

CorCoef: 1.00000

Method: 1_SW846 Sample Name: HSA Operator:
Run Time: 02/18/00 18:06:07
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	502900.	9922.	19730.	1964.	4843.	244700.	9850.
SDev	149.	2.	15.	3.	10.	227.	7.
%RSD	.0296	.0163	.0742	.1465	.2078	.0927	.0675
#1	502800.	9923.	19720.	1966.	4850.	244900.	9854.
#2	503000.	9921.	19740.	1962.	4836.	244600.	9845.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	527200.	10540.	21080.	2108.	5272.	263600.	10540.
Low	472800.	9460.	18920.	1892.	4728.	236400.	9460.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4892.	25300.	197500.	249100.	9791.	4864.	101300.
SDev	4.	26.	108.	276.	7.	10.	201.
%RSD	.0769	.1017	.0549	.1107	.0699	.2069	.1981
#1	4895.	25320.	197400.	249300.	9796.	4871.	101100.
#2	4890.	25280.	197500.	248900.	9787.	4857.	101400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5272.	26360.	210800.	263600.	10540.	5272.	105400.
Low	4728.	23640.	189200.	236400.	9460.	4728.	94600.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2564.	252500.	9774.	4944.	4903.	4953.	9714.
SDev	1.	26.	7.	10.	6.	1.	15.
%RSD	.0373	.0103	.0742	.1976	.1191	.0128	.1529
#1	2563.	252500.	9779.	4951.	4907.	4953.	9703.
#2	2564.	252500.	9769.	4937.	4899.	4954.	9724.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	263600.	10540.	5272.	5272.	5272.	10540.
Low	2364.	236400.	9460.	4728.	4728.	4728.	9460.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	20120.	19480.	9922.	2002.	19590.	19430.	1997.
SDev	8.	18.	11.	3.	59.	2.	18.
%RSD	.0383	.0939	.1090	.1697	.3031	.0114	.9115
#1	20110.	19490.	9930.	2000.	19630.	19420.	1985.
#2	20120.	19470.	9914.	2005.	19550.	19430.	2010.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	21080.	21080.	10540.	2108.			
Low	18920.	18920.	9460.	1892.			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	2012.	9926.	9920.	2003.			
SDev	26.	52.	10.	2.			
%RSD	1.305	.5228	.0977	.1057			
#1	2031.	9963.	9913.	2005.			
#2	1994.	9889.	9927.	2002.			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				2108.			
Low				1892.			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1138	--	--	--	--	--	--
SDev	2.529685	--	--	--	--	--	--
%RSD	.2222295	--	--	--	--	--	--
#1	1137	--	--	--	--	--	--
#2	1140	--	--	--	--	--	--

Method: I_SWR46 Sample Name: ICV/CCV1 Operator:
Run Time: 02/18/00 18:11:24
Comment: 503111
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	247500.	4863.	9801.	972.3	2460.	123000.	4905.
SDev	865.	2.	18.	.3	2.	132.	3.
%RSD	.3495	.0481	.1794	.0291	.0730	.1074	.0656
#1	248100.	4865.	9813.	972.1	2459.	122900.	4902.
#2	246900.	4861.	9789.	972.5	2462.	123100.	4907.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2447.	12280.	98400.	121600.	4917.	2449.	50560.
SDev	.	45.	32.	75.	1.	3.	225.
%RSD	.0062	.3701	.0330	.0620	.0109	.1149	.4453
#1	2447.	12310.	98420.	121600.	4917.	2451.	50720.
#2	2447.	12250.	98380.	121700.	4918.	2447.	50400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

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High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Ti1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1221.	123500.	4848.	2441.	2454.	2495.	4817.
SDev	2.	599.	20.	1.	1.	1.	5.
%RSD	.1637	.4852	.4065	.0304	.0509	.0572	.0959
#1	1223.	123900.	4862.	2442.	2455.	2496.	4821.
#2	1220.	123100.	4834.	2441.	2453.	2494.	4814.
Errors	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	5272.
Low	1182.	118200.	4728.	2364.	2364.	2364.	4728.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9714.	9783.	4872.	965.8	9804.	9773.	966.1
SDev	10.	27.	2.	.9	4.	38.	.8
%RSD	.1061	.2740	.0317	.0939	.0456	.3884	.0810
#1	9721.	9764.	4871.	965.1	9801.	9746.	966.6
#2	9707.	9802.	4873.	966.4	9808.	9800.	965.5
Errors	IC Pass	LC Pass	IC Pass	IC Pass	NOCHECK	NOCHECK	NOCHECK
High	10540.	10540.	5272.	1054.			
Low	9455.	9455.	4728.	946.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	965.2	4868.	4874.	1003.
SDev	4.3	4.	4.	1.
%RSD	.4446	.0799	.0874	.0865
#1	962.1	4871.	4871.	1004.
#2	968.2	4865.	4877.	1003.
Errors	NOCHECK	NOCHECK	NOCHECK	IC Pass
High				1054.
Low				946.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1172	--	--	--	--	--	--
SDev	.8432283	--	--	--	--	--	--
%RSD	.0719737	--	--	--	--	--	--
#1	1171	--	--	--	--	--	--
#2	1172	--	--	--	--	--	--

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Method: I_SW846 Sample Name: ICB/CCB1 Operator:
Run Time: 02/18/00 18:16:40
Comment: 503171
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	43.51	1.421	1.421	.1977	.4458	14.43	.3644
SDev	1.61	1.245	.053	.0056	.0829	.03	.3611
%RSD	3.703	87.66	3.760	2.860	18.59	.1844	99.08
#1	42.37	.5400	1.458	.2017	.5044	14.45	.1091
#2	44.65	2.301	1.383	.1937	.3872	14.41	.6197
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1385	2.094	16.90	17.63	.5955	.0623	167.0
SDev	.0982	.280	3.52	1.17	.0073	.0296	14.7
%RSD	70.86	13.38	20.85	6.649	1.219	47.53	8.826
#1	.2079	1.895	14.41	16.80	.5904	.0833	156.6
#2	.0691	2.292	19.39	18.46	.6007	.0414	177.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1334	-524.2	.4109	.3532	1.462	4.618	.5837
SDev	.3130	83.3	1.848	.2481	.060	1.712	.0047
%RSD	234.7	15.89	449.6	70.26	4.124	37.08	.8134
#1	.0879	-583.1	1.717	.5286	1.420	5.828	.5804
#2	-.3547	-465.3	-.8956	.1777	1.505	3.407	.5871
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.597	1.408	.0678	2.537	.9453	1.629	1.867
SDev	.180	.684	.5656	1.367	.6727	.690	1.661
%RSD	11.26	48.58	834.2	53.89	71.16	42.34	88.96
#1	1.470	1.891	.4678	3.503	1.421	2.116	3.041
#2	1.724	.9242	-.3322	1.570	.4696	1.141	.6975
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			

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Elem	2068/2	1960/1	1960/2	B_2496

Units				ppb
Avge	3.858	3.914	-1.862	1.927
SDev	.778	1.211	.244	.311
%RSD	20.18	30.94	13.08	16.15
#1	4.409	4.770	-1.690	2.147
#2	3.308	3.057	-2.034	1.707
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1194	--	--	--	--	--	--
SDev	8.657138	--	--	--	--	--	--
%RSD	.7252885	--	--	--	--	--	--
#1	1200	--	--	--	--	--	--
#2	1187	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICSA1 Operator:
Run Time: 02/18/00 18:21:57
Comment: 50311
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	501600.	3.059	1.814	.0336	-.0669	459100.	1.252
SDev	578.	.343	.045	.0318	.0160	81.	.121
%RSD	.1152	11.20	2.494	94.72	23.95	.0176	9.650
#1	502000.	3.302	1.846	.0111	-.0783	459100.	1.166
#2	501200.	2.817	1.782	.0561	-.0556	459200.	1.337
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.019	-.8541	192500.	501600.	1.318	1.308	110.3
SDev	.102	.1710	62.	27.	.083	.128	1.4
%RSD	9.965	20.02	.0320	.0055	6.288	9.770	1.298
#1	-1.091	-.7332	192600.	501500.	1.259	1.218	111.4
#2	-.9476	-.9750	192500.	501600.	1.377	1.398	109.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0805	-269.8	-5.254	.5550	-1.938	.6521	-.9661

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SDev	.3761	77.0	.248	.4578	.015	.9179	.0101
%RSD	467.1	28.56	4.716	82.48	.7593	140.8	1.041
#1	-.3465	-324.3	-5.429	.2313	-1.927	1.301	-.9733
#2	.1854	-215.3	-5.079	.8787	-1.948	.0030	-.9590
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	50.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-50.00
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.5363	-.2450	2.715	-3.220	-21.83	10.52	-1.425
SDev	.0118	1.5690	.510	.648	1.27	1.72	.360
%RSD	2.195	640.5	18.79	20.12	5.798	16.36	25.29
#1	.5280	-1.354	3.075	-2.762	-22.72	9.299	-1.170
#2	.5446	.8645	2.354	-3.678	-20.93	11.73	-1.679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	20.00	5.000	10.00	10.00			
Low	-20.00	-5.000	-10.00	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-6.837	11.89	-1.875	-1.114			
SDev	1.223	3.74	2.634	.001			
%RSD	17.89	31.49	140.4	.0983			
#1	-5.972	9.241	-.0133	-1.115			
#2	-7.702	14.53	-3.738	-1.114			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-15.00			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1138	--	--	--	--	--	--
SDev	1.424140	--	--	--	--	--	--
%RSD	.1251336	--	--	--	--	--	--
#1	1137	--	--	--	--	--	--
#2	1139	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICSAB1 Operator:
Run Time: 02/18/00 18:27:13
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496900.	99.27	104.0	95.51	94.76	458200.	99.21
SDev	1059.	.71	.1	.07	.48	456.	.21

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%RSD	.2130	.7126	.1413	.0710	.5082	.0995	.2159
#1	497600.	98.77	104.1	95.56	95.10	458500.	99.37
#2	496100.	99.77	103.9	95.46	94.42	457900.	99.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	93.72	101.8	191500.	497800.	97.91	96.55	11210.
SDev	.62	.2	502.	744.	.03	.20	1.
%RSD	.6604	.1778	.2623	.1494	.0327	.2059	.0102
#1	94.16	101.7	191800.	498300.	97.94	96.69	11210.
#2	93.28	102.0	191100.	497300.	97.89	96.41	11210.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102.8	10300.	85.73	98.67	98.31	95.46	102.2
SDev	.6	23.	3.98	.00	.30	.22	.1
%RSD	.6074	.2230	4.637	.0010	.3074	.2253	.1208
#1	103.2	10280.	88.54	98.67	98.52	95.61	102.3
#2	102.3	10310.	82.92	98.67	98.10	95.31	102.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	95.36	94.90	99.35	89.07	72.98	105.8	92.00
SDev	.50	1.61	.39	2.29	.46	2.2	.06
%RSD	.5239	1.693	.3912	2.571	.6368	2.057	.0679
#1	95.71	93.76	99.08	87.45	72.65	104.3	91.96
#2	95.01	96.03	99.63	90.69	73.31	107.4	92.04
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	120.0	120.0	120.0	120.0			
Low	80.00	80.00	80.00	80.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	83.19	109.1	94.47	100.8			
SDev	6.75	2.9	.84	.3			
%RSD	8.117	2.614	.8906	.3000			
#1	78.41	107.1	95.07	101.0			
#2	87.96	111.1	93.88	100.6			

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Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				120.0
Low				80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1135	--	--	--	--	--	--
SDev	8.357360	--	--	--	--	--	--
%RSD	.7361283	--	--	--	--	--	--
#1	1129	--	--	--	--	--	--
#2	1141	--	--	--	--	--	--

306859

Method: I_SW846 Sample Name: INT-20 Operator:
Run Time: 02/18/00 18:36:41
Comment: S031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-143.2	2.246	-2.337	-21.27	-.1414	48.37	20770.
SDev	2.9	1.773	.016	.83	.0609	3.10	98.
%RSD	1.994	78.96	.6672	3.915	43.10	6.414	.4709
#1	-141.1	.9918	-2.348	-20.68	-.1845	50.56	20700.
#2	-145.2	3.499	-2.326	-21.86	-.0983	46.17	20840.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20850.	-4.481	199.0	-89.68	19500.	20870.	166.6
SDev	105.	.014	7.8	5.61	86.	85.	.3
%RSD	.5033	.3033	3.897	6.258	.4420	.4075	.1850
#1	20780.	-4.490	193.5	-85.71	19440.	20810.	166.4
#2	20930.	-4.471	204.4	-93.64	19560.	20930.	166.8

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1673	-1256.	14.55	20020.	7.171	19660.	17900.
SDev	.4597	66.	1.46	72.	.137	112.	86.
%RSD	274.7	5.260	10.06	.3619	1.915	.5722	.4789
#1	-.1577	-1210.	13.51	19970.	7.268	19580.	17840.
#2	.4924	-1303.	15.58	20070.	7.074	19740.	17960.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	20120.	1.594	-3.136	-163.7	-10.58	7.661	-239.0
SDev	110.	.262	1.439	.7	.63	.710	3.1
%RSD	.5482	16.44	45.89	.4255	5.980	9.273	1.299
#1	20040.	1.408	-2.119	-163.2	-10.13	7.159	-236.8
#2	20190.	1.779	-4.154	-164.2	-11.03	8.163	-241.2

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-12.94	1.989	-5.705	-4.060
SDev	4.12	2.461	3.386	.255
%RSD	31.86	123.8	59.36	6.270
#1	-15.86	.2484	-3.311	-3.880
#2	-10.03	3.729	-8.100	-4.240

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1198	--	--	--	--	--	--
SDev	2.679617	--	--	--	--	--	--
%RSD	.2235854	--	--	--	--	--	--

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#1	1200	--	--	--	--	--	--
#2	1197	--	--	--	--	--	--

Method: 1_SW846 Sample Name: MCL Operator:
Run Time: 02/18/00 18:41:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	246.2	22.96	50.96	4.933	5.155	5065.	24.25
SDev	7.4	2.79	.01	.008	.112	9.	.66
%RSD	2.988	12.13	.0273	.1526	2.171	.1769	2.652
#1	241.0	20.99	50.95	4.927	5.234	5071.	25.22
#2	251.4	24.93	50.97	4.938	5.075	5059.	24.29

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	55.95	51.26	212.4	5222.	23.79	56.65	10580.
SDev	.72	.09	12.1	8.	.51	.02	3.
%RSD	1.284	.1846	5.690	.1542	2.141	.0396	.0319
#1	56.46	51.32	220.9	5228.	24.15	56.67	10580.
#2	55.44	51.19	203.8	5217.	23.43	56.63	10580.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.74	10050.	18.06	55.32	54.30	76.83	15.87
SDev	.50	68.	2.56	.38	.15	10.10	.50
%RSD	2.421	.6730	14.20	.6787	.2802	13.15	3.119
#1	21.09	10100.	16.24	55.59	54.40	83.97	16.22
#2	20.38	10010.	19.87	55.06	54.19	69.69	15.52

Elem	Li3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	53.74	9.967	9.568	19.82	10.55	9.665	19.83
SDev	1.97	.102	.682	.41	.58	.443	.27
%RSD	3.671	1.023	7.129	2.086	5.526	4.583	1.354
#1	55.14	10.04	9.086	19.53	10.14	9.978	19.64
#2	52.35	9.895	10.05	20.11	10.96	9.351	20.01

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	19.79	15.23	6.729	103.6
SDev	.70	3.30	2.671	.2
%RSD	3.558	21.67	39.69	.2026
#1	19.29	17.57	4.841	103.8
#2	20.28	12.90	8.617	103.5

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

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Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1203	--	--	--	--	--	--
SDev	4.047479	--	--	--	--	--	--
%RSD	.3365691	--	--	--	--	--	--
#1	1200	--	--	--	--	--	--
#2	1205	--	--	--	--	--	--

Method: 1_SW846 Sample Name: BSW021800 Operator:
Run Time: 02/18/00 18:47:13
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1999.	1981.	2035.	51.62	50.95	20130.	207.7
SDev	1.	9.	.	.03	.18	10.	.3
%RSD	.0391	.4417	.0239	.0565	.3551	.0490	.1588
#1	1999.	1988.	2036.	51.64	51.08	20130.	207.9
#2	1998.	1975.	2035.	51.60	50.82	20140.	207.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2400.	2400.	2400.	60.00	60.00	24000.	240.0
Low	1600.	1600.	1600.	40.00	40.00	16000.	160.0

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	513.6	249.5	1008.	20070.	511.3	514.9	20160.
SDev	.1	.6	9.	3.	.1	.4	28.
%RSD	.0253	.2454	.8912	.0156	.0169	.0775	.1393
#1	513.5	250.0	1015.	20060.	511.2	514.6	20180.
#2	513.7	249.1	1002.	20070.	511.4	515.2	20140.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	300.0	1200.	24000.	600.0	600.0	24000.
Low	400.0	200.0	800.0	16000.	400.0	400.0	16000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.61	20040.	2030.	510.4	510.2	523.3	516.1
SDev	.63	3.	1.	1.3	.4	.6	.4
%RSD	1.292	.0140	.0519	.2595	.0770	.1114	.0695
#1	48.16	20040.	2030.	511.3	510.5	523.8	516.4
#2	49.05	20040.	2029.	509.4	510.0	522.9	515.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60.00	24000.	2400.	600.0	600.0	600.0	600.0
Low	40.00	16000.	1600.	400.0	400.0	400.0	400.0

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	506.5	502.0	1980.	497.0	500.2	502.9	500.0
SDev	1.0	.8	.	3.9	2.1	.2	4.5

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%RSD	.1896	.1619	.0093	.7832	.4119	.0378	.8986
#1	505.8	501.4	1980.	494.2	498.8	502.8	496.8
#2	507.2	502.6	1980.	499.7	501.7	503.0	503.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	600.0	600.0	2400.	600.0			
Low	400.0	400.0	1600.	400.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	490.9	1975.	1982.	517.6
SDev	2.7	2.	1.	1.8
%RSD	.5477	.0971	.0344	.3429
#1	489.0	1973.	1983.	518.9
#2	492.8	1976.	1982.	516.3
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				600.0
Low				400.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1188	--	--	--	--	--	--
SDev	3.747614	--	--	--	--	--	--
%RSD	.3154149	--	--	--	--	--	--
#1	1186	--	--	--	--	--	--
#2	1191	--	--	--	--	--	--

Method: 1_SW846 Sample Name: P8W021800 Operator:
Run Time: 02/18/00 18:52:30
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-6.305	.3215	.4442	-.0138	-.0851	12.89	.4446
SDev	.819	1.154	.0670	.0065	.0713	.58	.0546
%RSD	12.98	358.9	15.09	46.93	83.76	4.473	12.28
#1	-5.726	-.4944	.4916	-.0184	-.1355	12.48	.4060
#2	-6.884	1.137	.3969	-.0092	-.0347	13.30	.4832
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	5.000	20.00	4.900	4.900	500.0	9.900
Low	-199.0	-5.000	-20.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2383	.4392	13.65	5.374	1.560	.0861	164.7
SDev	.0990	.5228	3.51	.022	.034	.3115	8.2
%RSD	41.53	119.0	25.69	.4028	2.166	361.9	4.968

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#1	.1683	.0695	11.17	5.359	1.536	.3063	158.9
#2	.3083	.8089	16.13	5.390	1.584	-.1342	170.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	9.900	99.00	500.0	9.900	9.900	1000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-500.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3272	-272.6	2.161	.5222	3.600	2.868	.0796
SDev	.1587	65.1	2.401	.3843	.078	.114	.0192
%RSD	48.49	23.89	111.1	73.60	2.170	3.960	24.16
#1	.2150	-226.6	3.858	.2504	3.655	2.949	.0932
#2	.4394	-318.7	.4632	.7939	3.545	2.788	.0660
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	4.900	1000.	9.900	9.900	20.00	10.00	10.00
Low	-4.900	-1000.	-9.900	-9.900	-9.900	-10.00	-3.000
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.9671	-.5981	-.5415	.7589	-.2855	-.7669	-.1892
SDev	.1303	.4820	2.3309	.5131	1.6717	.1119	.6723
%RSD	13.48	80.60	430.4	67.61	585.6	14.59	355.4
#1	1.059	-.2572	1.107	1.122	.8966	-.8460	.2862
#2	.8750	-.9389	-2.190	.3961	-1.468	-.6878	-.6645
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	10.00	2.900	4.900	9.900			
Low	-5.000	-2.900	-4.900	-9.900			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	2.637	.5488	-1.096	10.95			
SDev	.194	1.220	2.885	.39			
%RSD	7.365	222.4	263.2	3.585			
#1	2.775	1.412	.9442	10.67			
#2	2.500	-.3142	-3.136	11.22			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-9.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1177	--	--	--	--	--	--
SDev	1.536611	--	--	--	--	--	--
%RSD	.1305652	--	--	--	--	--	--
#1	1178	--	--	--	--	--	--
#2	1176	--	--	--	--	--	--

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Method: 1_SW846 Sample Name: LCSW Operator:
Run Time: 02/18/00 18:57:46
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	953.3	987.7	1010.	988.4	1031.	1007.	1021.
SDev	3.2	.2	1.	2.5	2.	1.	1.
%RSD	.3376	.0241	.0865	.2487	.1637	.1209	.1446
#1	955.6	987.6	1011.	986.6	1030.	1006.	1020.
#2	951.0	987.9	1009.	990.1	1032.	1008.	1022.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1200.	1200.	1200.	1200.	1200.	1200.	1200.
Low	800.0	800.0	800.0	800.0	800.0	800.0	800.0

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1020.	974.4	1027.	1010.	1007.	1037.	9941.
SDev	1.	2.1	11.	3.	2.	1.	43.
%RSD	.1078	.2134	1.082	.2882	.1683	.1414	.4304
#1	1019.	975.8	1019.	1008.	1006.	1036.	9971.
#2	1021.	972.9	1035.	1012.	1009.	1039.	9911.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1200.	1200.	1200.	1200.	1200.	1200.	12000.
Low	800.0	800.0	800.0	800.0	800.0	800.0	8000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	937.5	L797.2	1013.	989.0	1001.	994.2	L-.0756
SDev	1.3	62.0	3.	3.0	1.	.5	.0130
%RSD	.1360	7.776	.3336	.3030	.0849	.0497	17.20
#1	938.4	L841.0	1011.	986.9	1000.	993.8	L-.0848
#2	936.6	L753.3	1016.	991.1	1002.	994.5	L-.0664
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	1200.	12000.	1200.	1200.	1200.	1200.	1200.
Low	800.0	8000.	800.0	800.0	800.0	800.0	800.0

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	970.7	998.5	983.9	968.8	1003.	996.1	969.3
SDev	.4	5.4	2.9	3.6	5.	5.4	3.8
%RSD	.0362	.5376	.2911	.3717	.5348	.5391	.3957
#1	970.5	994.7	981.9	966.3	999.5	992.3	966.5
#2	970.9	1002.	986.0	971.4	1007.	999.9	972.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	1200.	1200.	1200.	1200.			
Low	800.0	800.0	800.0	800.0			

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Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	967.9	986.1	982.9	1001.
SDev	3.1	2.9	2.8	2.
%RSD	.3236	.2971	.2880	.1827
#1	965.7	984.0	980.9	1002.
#2	970.2	988.1	984.9	999.5
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1200.
Low				800.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1187	--	--	--	--	--	--
SDev	2.998126	--	--	--	--	--	--
%RSD	.2524812	--	--	--	--	--	--
#1	1185	--	--	--	--	--	--
#2	1190	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184106D Operator:
Run Time: 02/18/00 19:03:03
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	347.3	1.299	50.81	.1331	.0387	11220.	.9835
SDev	3.9	.874	.02	.0008	.0051	6.	.0292
%RSD	1.128	67.28	.0311	.6308	13.16	.0490	2.971
#1	350.0	.6808	50.80	.1337	.0423	11220.	.9628
#2	344.5	1.916	50.82	.1325	.0351	11230.	1.004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.307	.2607	356.6	3742.	32.77	3.344	4082.
SDev	.020	.0657	5.8	1.	.07	.174	1.
%RSD	1.560	25.18	1.623	.0182	.2133	5.190	.0276
#1	1.293	.2143	352.5	3742.	32.82	3.466	4081.
#2	1.322	.3072	360.7	3741.	32.72	3.221	4083.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215

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Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1770	19040.	.3349	1.186	6.553	1.838	63.72
SDev	.0119	96.	.7117	.395	.023	.888	.07
%RSD	6.739	.5021	212.5	33.26	.3485	48.32	.1145
#1	.1854	19110.	.8382	.9074	6.569	2.466	63.77
#2	.1686	18970.	-.1683	1.465	6.537	1.210	63.67
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9.569	-.0410	1.041	2.387	-.2210	.0362	3.438
SDev	.108	.5106	1.847	1.565	.4636	.5341	1.379
%RSD	1.126	1245.	177.4	65.58	209.8	1475.	40.09
#1	9.493	.3200	2.347	3.494	.1068	.4139	4.413
#2	9.646	-.4021	-.2649	1.280	-.5489	-.3415	2.463
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.2622	3.619	-.2564	128.8
SDev	1.940	.112	2.8245	.8
%RSD	740.0	3.095	1102.	.6002
#1	1.634	3.540	1.741	128.2
#2	-1.110	3.698	-2.254	129.3
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1185	--	--	--	--	--	--
SDev	1.930042	--	--	--	--	--	--
%RSD	.1628199	--	--	--	--	--	--
#1	1187	--	--	--	--	--	--
#2	1184	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184106 Operator:
Run Time: 02/18/00 19:08:20
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

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Avge	537.8	.7041	51.43	.0294	-.0166	11190.	1.363
SDev	1.9	2.813	.03	.0188	.0239	24.	.102
%RSD	.3487	399.5	.0650	63.82	144.3	.2182	7.452
#1	539.1	-1.285	51.45	.0427	.0003	11170.	1.434
#2	536.5	2.693	51.41	.0162	-.0335	11210.	1.291
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.528	.3259	534.9	3743.	32.80	3.492	4104.
SDev	.085	.3941	3.9	4.	.05	.150	15.
%RSD	5.579	120.9	.7214	.1061	.1593	4.292	.3715
#1	1.589	.6046	537.6	3741.	32.76	3.386	4115.
#2	1.468	.0473	532.2	3746.	32.84	3.598	4094.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5183	19080.	-.4794	.9940	6.259	1.011	63.89
SDev	.2706	23.	1.6269	.5079	.003	.052	.00
%RSD	52.21	.1203	339.3	51.09	.0541	5.155	.0013
#1	.7096	19100.	.6710	1.353	6.257	.9741	63.89
#2	.3270	19070.	-1.630	.6349	6.262	1.048	63.89
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	15.02	-.6579	-.8728	2.882	.4591	-1.226	2.145
SDev	.05	.7919	1.7627	1.703	.4009	.987	1.774
%RSD	.3360	120.4	202.0	59.10	87.32	80.53	82.70
#1	15.06	-1.218	.3736	4.086	.1756	-1.924	3.400
#2	14.99	-.0980	-2.119	1.678	.7425	-.5278	.8909
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	4.337	.4562	-1.547	126.7
SDev	1.561	2.766	1.262	.7
%RSD	35.99	606.3	81.59	.5632
#1	5.440	2.412	-.6543	126.2

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#2	3.233	-1.500	-2.439	127.2
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1176	--	--	--	--	--	--
SDev	4.778322	--	--	--	--	--	--
%RSD	.4061631	--	--	--	--	--	--
#1	1173	--	--	--	--	--	--
#2	1180	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184106L Operator:
Run Time: 02/18/00 19:13:37
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	120.1	.7316	9.563	.0057	-.1138	2198.	-.1143
SDev	1.6	2.751	.068	.0055	.1387	6.	.2605
%RSD	1.341	375.9	.7117	96.80	121.9	.2506	227.9
#1	119.0	-1.213	9.611	.0095	-.0157	2194.	.0699
#2	121.3	2.677	9.515	.0018	-.2119	2202.	-.2986
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0758	-.1725	101.0	730.5	6.178	.3190	917.0
SDev	.0170	.3123	11.6	1.4	.040	.0803	.6
%RSD	22.40	181.0	11.49	.1909	.6492	25.16	.0704
#1	.0878	.0483	109.2	731.5	6.206	.3758	917.4
#2	.0638	-.3933	92.79	729.5	6.149	.2622	916.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2500	3550.	-.0083	.1714	3.489	.7105	12.20
SDev	.0802	57.	.4840	.3884	.079	.0089	.04
%RSD	32.08	1.603	5847.	226.6	2.259	1.260	.3036
#1	-.1933	3510.	-.3505	-.1032	3.434	.7168	12.18
#2	-.3067	3591.	.3340	.4460	3.545	.7041	12.23

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2.313	-.6639	-1.404	-.4140	-.8495	-.5825	-.8379
SDev	1.215	.3754	.194	.9459	.9804	1.0523	1.3215
%RSD	52.53	56.54	13.83	228.5	115.4	180.6	157.7
#1	3.172	-.9294	-1.267	-1.083	-.1562	-1.327	-1.772
#2	1.454	-.3985	-1.542	.2548	-1.543	.1616	.0965

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.4149	1.524	-2.876	25.25
SDev	.1936	.684	.633	.15
%RSD	46.67	44.89	22.00	.5878
#1	.2780	1.040	-2.429	25.14
#2	.5519	2.008	-3.324	25.35

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1202	--	--	--	--	--	--
SDev	1.742735	--	--	--	--	--	--
%RSD	.1450182	--	--	--	--	--	--
#1	1201	--	--	--	--	--	--
#2	1203	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV2 Operator:
Run Time: 02/18/00 19:18:54
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	246900.	4854.	9776.	966.2	2445.	122600.	4898.
SDev	509.	6.	11.	1.4	5.	99.	5.
%RSD	.2060	.1331	.1126	.1416	.2052	.0804	.0938
#1	247300.	4858.	9784.	967.2	2448.	122700.	4902.
#2	246600.	4849.	9768.	965.3	2441.	122500.	4895.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

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High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2441.	12180.	99050.	121800.	4895.	2442.	50640.
SDev	3.	42.	20.	145.	5.	4.	80.
%RSD	.1256	.3463	.0202	.1188	.1010	.1800	.1582
#1	2444.	12210.	99060.	121900.	4898.	2445.	50700.
#2	2439.	12150.	99040.	121700.	4891.	2439.	50580.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1221.	123800.	4879.	2416.	2442.	2474.	4799.
SDev	1.	712.	2.	6.	6.	3.	4.
%RSD	.1149	.5747	.0479	.2289	.2451	.1119	.0735
#1	1222.	124300.	4877.	2420.	2446.	2472.	4801.
#2	1220.	123300.	4881.	2412.	2437.	2476.	4796.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	5272.
Low	1182.	118200.	4728.	2364.	2364.	2364.	4728.
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9705.	9758.	4856.	965.6	9783.	9745.	966.9
SDev	4.	17.	2.	4.0	6.	28.	6.5
%RSD	.0406	.1722	.0419	.4157	.0588	.2880	.6700
#1	9708.	9769.	4857.	962.7	9779.	9765.	962.3
#2	9702.	9746.	4854.	968.4	9787.	9725.	971.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	10540.	10540.	5272.	1054.			
Low	9455.	9455.	4728.	946.0			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	962.8	4845.	4861.	992.7			
SDev	.9	14.	4.	3.5			
%RSD	.0958	.2790	.0760	.3512			
#1	963.4	4854.	4859.	995.2			
#2	962.1	4835.	4864.	990.2			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				1054.			
Low				946.0			

IntStd	1	2	3	4	5	6	7

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Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1178	--	--	--	--	--	--
SDev	.3935180	--	--	--	--	--	--
%RSD	.0333931	--	--	--	--	--	--
#1	1179	--	--	--	--	--	--
#2	1178	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB2 Operator:
Run Time: 02/18/00 19:24:11
Comment: 503111
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.14	.0031	.6831	.0995	.1116	7.713	.2210
SDev	.32	.5498	.0328	.0185	.0695	.087	.2393
%RSD	1.652	17760.	4.795	18.64	62.33	1.133	108.3
#1	19.37	-.3857	.7063	.0863	.1607	7.651	.3901
#2	18.92	.3919	.6599	.1126	.0624	7.775	.0518
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1905	1.055	7.117	7.788	.2444	-.6141	149.5
SDev	.0005	.249	1.129	1.375	.0581	.4968	8.8
%RSD	.2658	23.58	15.86	17.66	23.76	80.90	5.902
#1	-.1909	1.231	7.915	8.761	.2033	-.2628	155.8
#2	-.1901	.8791	6.319	6.816	.2855	-.9653	143.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2249	-472.6	-1.292	.2832	1.556	3.271	.2122
SDev	.2383	28.0	2.100	.0393	.124	1.087	.0106
%RSD	106.0	5.922	162.5	13.89	7.940	33.24	4.982
#1	.3934	-452.8	-2.777	.2554	1.643	4.040	.2047
#2	.0564	-492.4	.1926	.3110	1.468	2.503	.2196
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.030	1.059	.3678	1.968	.9160	1.120	1.634

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SDev	.671	.860	1.762	.831	.5278	1.552	.568
%RSD	65.13	81.22	479.1	42.22	57.63	138.7	34.80
#1	1.505	1.667	1.614	2.556	.5427	2.218	2.036
#2	.5559	.4506	-.8782	1.381	1.289	.0219	1.232
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	2.619	6.823	-2.865	1.297			
SDev	1.357	2.553	3.917	.286			
%RSD	51.81	37.42	136.7	22.02			
#1	3.578	5.017	-.0955	1.499			
#2	1.660	8.628	-5.634	1.095			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-9.900			
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1199	--	--	--	--	--	--
SDev	6.071261	--	--	--	--	--	--
%RSD	.5064643	--	--	--	--	--	--
#1	1194	--	--	--	--	--	--
#2	1203	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184106MS Operator:
Run Time: 02/18/00 19:29:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2483.	1996.	2076.	51.47	51.00	31180.	207.9
SDev	.	2.	.	.03	.00	39.	.1
%RSD	.0048	.1188	.0189	.0632	.0006	.1252	.0532
#1	2483.	1994.	2076.	51.45	51.00	31150.	208.0
#2	2483.	1998.	2075.	51.50	51.00	31210.	207.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	X_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	516.3	249.0	1465.	23670.	543.6	520.2	23850.
SDev	.4	.1	10.	20.	.4	.7	5.
%RSD	.0842	.0378	.6784	.0848	.0800	.1409	.0194

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#1	516.0	248.9	1458.	23660.	543.3	520.7	23860.
#2	516.7	249.1	1472.	23690.	543.9	519.7	23850.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48.72	39050.	2027.	506.8	514.5	516.6	577.4
SDev	.28	15.	5.	.1	.1	.0	.2
%RSD	.5765	.0377	.2455	.0294	.0277	.0045	.0261
#1	48.92	39060.	2023.	506.7	514.4	516.7	577.3
#2	48.52	39040.	2030.	506.9	514.6	516.6	577.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	516.5	500.4	1968.	495.1	501.8	499.7	494.9
SDev	.4	1.6	12.	2.3	2.9	1.0	2.3
%RSD	.0748	.3260	.6239	.4686	.5847	.1964	.4685
#1	516.2	501.5	1977.	496.8	503.9	500.4	496.5
#2	516.8	499.2	1959.	493.5	499.7	499.0	493.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	495.6	1971.	1967.	642.7			
SDev	2.3	9.	14.	1.3			
%RSD	.4688	.4401	.7159	.2032			
#1	497.2	1977.	1977.	643.7			
#2	493.9	1964.	1957.	641.8			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1180	--	--	--	--	--	--
SDev	7.495315	--	--	--	--	--	--
%RSD	.6350008	--	--	--	--	--	--
#1	1175	--	--	--	--	--	--

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#2	1186	--	--	--	--	--	--

Method: I_SW846 Sample Name: 184106MSD Operator:
Run Time: 02/18/00 19:34:44
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2533.	2012.	2112.	52.14	51.44	31660.	210.6
SDev	11.	15.	3.	.05	.31	26.	.7
%RSD	.4326	.7386	.1341	.1037	.6058	.0817	.3249
#1	2541.	2022.	2114.	52.18	51.66	31680.	210.1
#2	2526.	2001.	2110.	52.11	51.22	31640.	211.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	524.2	252.4	1508.	24080.	552.1	527.8	24360.
SDev	.1	1.5	7.	17.	.8	1.8	124.
%RSD	.0126	.6087	.4824	.0695	.1424	.3377	.5107
#1	524.3	253.5	1503.	24090.	552.6	529.1	24450.
#2	524.2	251.3	1513.	24070.	551.5	526.5	24270.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	49.56	39750.	2057.	513.2	523.1	524.5	587.1
SDev	.08	375.	3.	1.6	1.8	2.0	.9
%RSD	.1712	.9422	.1347	.3145	.3475	.3800	.1611
#1	49.62	40020.	2055.	514.3	524.4	525.9	587.8
#2	49.50	39490.	2059.	512.0	521.8	523.1	586.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	525.3	507.5	1998.	504.0	507.6	507.5	505.4
SDev	.8	.3	11.	2.1	.4	.6	2.9
%RSD	.1470	.0514	.5503	.4069	.0760	.1153	.5749
#1	524.8	507.3	2005.	505.4	507.8	507.1	507.4
#2	525.9	507.7	1990.	502.5	507.3	507.9	503.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			

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Low	-10.00	-2.900	-4.900	-15.00
Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	501.1	1989.	2002.	651.6
SDev	.3	3.	15.	2.7
%RSD	.0676	.1638	.7422	.4143
#1	501.4	1992.	2012.	653.5
#2	500.9	1987.	1991.	649.7
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1177	--	--	--	--	--	--
SDev	3.935008	--	--	--	--	--	--
%RSD	.3342055	--	--	--	--	--	--
#1	1175	--	--	--	--	--	--
#2	1180	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184106A Operator:
Run Time: 02/18/00 19:40:01
Comment: 503111
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2481.	1944.	2034.	50.14	49.34	30580.	203.0
SDev	7.	1.	3.	.03	.16	29.	.3
%RSD	.2905	.0550	.1639	.0663	.3242	.0946	.1721
#1	2486.	1943.	2037.	50.11	49.23	30560.	202.8
#2	2476.	1945.	2032.	50.16	49.45	30600.	203.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504.9	242.3	1525.	23190.	531.3	507.3	23460.
SDev	.0	.3	3.	11.	.4	.2	75.
%RSD	.0094	.1222	.1762	.0476	.0831	.0435	.3194
#1	504.9	242.5	1523.	23190.	531.0	507.2	23510.
#2	504.8	242.1	1527.	23180.	531.6	507.5	23400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

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Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.61	38330.	1993.	492.7	502.5	506.3	565.9
SDev	.00	229.	1.	.1	.2	.8	.5
%RSD	.0030	.5967	.0454	.0186	.0351	.1543	.0880
#1	47.61	38490.	1993.	492.6	502.4	505.7	566.3
#2	47.61	38170.	1994.	492.8	502.6	506.8	565.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	510.9	484.9	1910.	479.6	486.7	483.9	479.8
SDev	1.2	1.0	6.	.2	1.8	.6	2.5
%RSD	.2365	.2034	.3332	.0458	.3748	.1174	.5249
#1	511.8	485.6	1915.	479.4	488.0	484.3	478.1
#2	510.1	484.2	1906.	479.7	485.4	483.5	481.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	479.1	1910.	1910.	625.1
SDev	4.4	8.	5.	.3
%RSD	.9154	.4402	.2798	.0495
#1	482.2	1916.	1914.	625.3
#2	476.0	1904.	1907.	624.9
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1183	--	--	--	--	--	--
SDev	3.785076	--	--	--	--	--	--
%RSD	.3200310	--	--	--	--	--	--
#1	1180	--	--	--	--	--	--
#2	1185	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184050-2X Operator:
Run Time: 02/18/00 19:45:17
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677

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Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14870.	8.562	302.1	1.859	-.2081	185500.	171.0
SDev	665.	.773	13.4	.054	.1071	7888.	7.6
%RSD	4.475	9.026	4.432	2.898	51.49	4.252	4.433
#1	15340.	8.016	311.6	1.897	-.1323	191100.	176.3
#2	14400.	9.109	292.6	1.821	-.2838	179900.	165.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.46	118.0	65330.	77520.	2032.	94.59	9284.
SDev	1.30	5.2	2944.	3472.	89.	3.30	401.
%RSD	5.528	4.404	4.506	4.478	4.392	3.484	4.318
#1	24.37	121.7	67410.	79980.	2095.	96.92	9567.
#2	22.54	114.3	63250.	75070.	1969.	92.26	9000.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1871	23660.	.8212	61.96	1171.	38.72	163.5
SDev	.4111	1292.	1.496	2.63	50.	2.10	7.2
%RSD	219.8	5.460	182.1	4.239	4.261	5.434	4.403
#1	.1036	24580.	1.879	63.81	1206.	40.21	168.6
#2	-.4778	22750.	-.2365	60.10	1135.	37.23	158.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	936.5	44.23	1.157	-1.972	43.71	44.48	-1.747
SDev	44.5	3.04	1.376	.637	1.72	3.70	.050
%RSD	4.751	6.873	118.9	32.29	3.939	8.318	2.879
#1	967.9	46.38	.1842	-1.522	44.93	47.10	-1.711
#2	905.0	42.08	2.131	-2.422	42.49	41.87	-1.782
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-2.443	2.829	.3128	48.39
SDev	1.811	.109	2.009	3.58
%RSD	74.15	3.841	642.4	7.390

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#1	-1.162	2.752	-1.108	50.92
#2	-3.724	2.906	1.734	45.86
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1214	--	--	--	--	--	--
SDev	4.703313	--	--	--	--	--	--
%RSD	.3875651	--	--	--	--	--	--
#1	1210	--	--	--	--	--	--
#2	1217	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184051-2X Operator:
Run Time: 02/18/00 19:50:34
Comment: 503111
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36640.	16.42	738.1	2.835	-.0449	203100.	417.2
SDev	1395.	3.07	28.7	.115	.0429	7867.	16.7
%RSD	3.807	18.73	3.884	4.065	95.55	3.873	4.009
#1	37620.	18.59	758.4	2.917	-.0146	208700.	429.0
#2	35650.	14.24	717.9	2.754	-.0753	197600.	405.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.62	212.1	165100.	107500.	6906.	141.8	9831.
SDev	2.29	8.8	6156.	4136.	270.	5.6	382.
%RSD	4.187	4.135	3.729	3.846	3.910	3.927	3.883
#1	56.24	218.3	169400.	110500.	7097.	145.8	10100.
#2	53.01	205.9	160700.	104600.	6715.	137.9	9561.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2099	32600.	.1608	205.8	588.6	45.40	201.2
SDev	.0704	1460.	4.629	8.7	22.8	1.13	7.7
%RSD	33.56	4.477	2879.	4.232	3.866	2.482	3.833
#1	.1601	33630.	-3.113	211.9	604.6	46.20	206.7
#2	.2597	31570.	3.434	199.6	572.5	44.60	195.8

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2604.	51.81	-.2091	-7.595	47.35	54.03	-5.320
SDev	96.	1.28	2.8125	.676	3.16	.34	1.257
%RSD	3.703	2.468	1345.	8.897	6.670	.6336	23.62
#1	2672.	52.72	1.780	-8.073	49.58	54.28	-6.209
#2	2535.	50.91	-2.198	-7.117	45.11	53.79	-4.432

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-12.17	-6.449	2.897	49.44			
SDev	.49	3.718	2.360	1.54			
%RSD	4.009	57.65	81.49	3.109			
#1	-11.83	-3.820	4.566	50.53			
#2	-12.52	-9.078	1.227	48.35			

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1236	--	--	--	--	--	--
SDev	2.585877	--	--	--	--	--	--
%RSD	.2092201	--	--	--	--	--	--
#1	1234	--	--	--	--	--	--
#2	1238	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184052-2X Operator:
Run Time: 02/18/00 19:55:50
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8870.	12.56	177.4	.8190	-.2409	118800.	149.6
SDev	224.	1.14	4.4	.0229	.0865	2553.	3.2
%RSD	2.523	9.044	2.493	2.793	35.92	2.149	2.166
#1	9028.	11.76	180.5	.8351	-.1797	120600.	151.9
#2	8712.	13.36	174.3	.8028	-.3021	117000.	147.3

306880

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14.42	95.32	40350.	54730.	1008.	56.34	6018.
SDev	.06	2.11	915.	1145.	22.	1.96	149.
%RSD	.4026	2.216	2.267	2.093	2.150	3.488	2.478
#1	14.47	96.81	40990.	55540.	1023.	57.73	6123.
#2	14.38	93.83	39700.	53920.	992.5	54.95	5913.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0098	35880.	-.5447	36.93	357.0	20.19	115.4
SDev	.1146	927.	.4289	.03	7.1	.32	2.8
%RSD	1174.	2.585	78.75	.0907	1.985	1.589	2.422
#1	-.0908	36540.	-.8479	36.96	362.1	20.42	117.4
#2	.0713	35230.	-.2414	36.91	352.0	19.97	113.4

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	520.8	18.70	-.1472	-.4481	18.93	18.58	-.8323
SDev	10.6	.98	.8902	.5516	.31	1.31	.3978
%RSD	2.044	5.235	604.7	123.1	1.630	7.072	47.80
#1	528.3	19.39	-.7766	-.8382	19.15	19.51	-1.114
#2	513.3	18.01	.4822	-.0581	18.71	17.65	-.5510

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.3012	4.170	-2.313	41.25
SDev	.8598	.138	1.266	.56
%RSD	285.4	3.315	54.72	1.367
#1	-.3067	4.073	-3.208	41.65
#2	.9092	4.268	-1.418	40.86

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1195	--	--	--	--	--	--
SDev	.1873936	--	--	--	--	--	--
%RSD	.0156806	--	--	--	--	--	--
#1	1195	--	--	--	--	--	--
#2	1195	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184053-2X Operator:
Run Time: 02/18/00 20:01:07
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	32550.	19.94	548.6	3.345	-.3581	229400.	83.73
SDev	1920.	3.33	32.9	.185	.0167	12738.	5.20
%RSD	5.899	16.70	6.003	5.517	4.660	5.553	6.208
#1	33910.	22.30	571.8	3.476	-.3463	238400.	87.40
#2	31200.	17.59	525.3	3.215	-.3699	220400.	80.05
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39.59	189.4	82820.	79890.	5220.	65.01	11830.
SDev	2.26	10.8	4734.	4515.	294.	3.82	762.
%RSD	5.701	5.720	5.716	5.652	5.623	5.883	6.441
#1	41.19	197.1	86170.	83080.	5427.	67.71	12370.
#2	38.00	181.7	79470.	76690.	5012.	62.30	11290.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0335	33530.	1.636	137.4	202.6	2.163	245.4
SDev	.3519	2189.	5.886	7.5	10.9	.482	14.5
%RSD	1051.	6.527	359.8	5.463	5.394	22.30	5.925
#1	.2823	35080.	-2.526	142.7	210.3	1.822	255.7
#2	-.2154	31990.	5.798	132.1	194.8	2.504	235.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			

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Avge	2164.	43.31	2.015	-2.676	41.40	44.25	-2.187
SDev	120.	2.44	.111	2.918	3.69	1.82	2.730
%RSD	5.537	5.638	5.528	109.0	8.913	4.107	124.8
#1	2249.	45.04	2.094	-.6133	44.01	45.54	-.2564
#2	2079.	41.58	1.936	-4.740	38.79	42.97	-4.117
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-3.677	-2.696	4.358	40.07
SDev	3.294	.937	.635	1.58
%RSD	89.59	34.74	14.56	3.945
#1	-1.348	-3.358	4.806	41.18
#2	-6.006	-2.034	3.909	38.95
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1226	--	--	--	--	--	--
SDev	.1312015	--	--	--	--	--	--
%RSD	.0107057	--	--	--	--	--	--
#1	1226	--	--	--	--	--	--
#2	1225	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184054-2X Operator:
Run Time: 02/18/00 20:06:24
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36250.	7.035	300.0	2.747	.2155	137000.	129.2
SDev	1540.	2.138	12.2	.126	.1275	5379.	5.0
%RSD	4.249	30.39	4.072	4.589	59.19	3.927	3.837
#1	37340.	8.546	308.6	2.837	.1253	140800.	132.7
#2	35160.	5.523	291.4	2.658	.3057	133200.	125.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	47.82	199.3	81750.	67030.	2131.	80.37	9147.
SDev	1.86	9.0	3183.	2705.	86.	3.31	392.

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%RSD	3.887	4.523	3.894	4.036	4.019	4.116	4.282
#1	49.13	205.7	84000.	68940.	2192.	82.71	9424.
#2	46.50	193.0	79500.	65120.	2071.	78.03	8870.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Ti1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8450	34410.	-.4218	178.6	246.6	1.904	152.3
SDev	.0993	1717.	.6196	7.7	9.9	.113	6.2
%RSD	11.75	4.989	146.9	4.327	3.997	5.955	4.083
#1	.7748	35620.	-.8600	184.1	253.6	1.824	156.7
#2	.9152	33190.	.0163	173.1	239.7	1.984	147.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2605.	50.96	4.458	-3.235	49.21	51.82	-3.206
SDev	101.	1.46	.296	.013	3.69	.35	1.878
%RSD	3.872	2.872	6.641	.3895	7.502	.6704	58.59
#1	2677.	51.99	4.248	-3.226	51.82	52.06	-4.534
#2	2534.	49.92	4.667	-3.244	46.60	51.57	-1.878
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-3.314	6.892	3.233	45.04
SDev	3.800	4.133	2.507	1.14
%RSD	114.7	59.98	77.56	2.529
#1	-.6264	9.814	1.460	45.84
#2	-6.001	3.969	5.006	44.23
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1229	--	--	--	--	--	--
SDev	6.427318	--	--	--	--	--	--
%RSD	.5231728	--	--	--	--	--	--

306884

#1	1224	--	--	--	--	--	--
#2	1233	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184055-2X Operator:
Run Time: 02/18/00 20:11:41
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46540.	15.26	520.2	4.394	.3511	216300.	129.6
SDev	2989.	1.09	32.4	.236	.2895	11635.	7.6
%RSD	6.422	7.139	6.238	5.379	82.45	5.378	5.886
#1	48660.	16.03	543.1	4.561	.5558	224600.	135.0
#2	44430.	14.49	497.2	4.227	.1464	208100.	124.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	70.74	202.6	97800.	104600.	2406.	107.6	15380.
SDev	4.01	12.5	5667.	5962.	137.	6.1	1017.
%RSD	5.675	6.157	5.795	5.698	5.695	5.656	6.612
#1	73.58	211.4	101800.	108800.	2503.	111.9	16090.
#2	67.90	193.7	93790.	100400.	2309.	103.3	14660.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2945	43710.	.2432	174.2	369.1	2.263	245.0
SDev	.3154	2854.	2.030	9.5	20.1	.365	14.9
%RSD	107.1	6.531	834.9	5.477	5.442	16.14	6.063
#1	.0715	45730.	-1.193	180.9	383.3	2.521	255.5
#2	.5175	41690.	1.679	167.4	354.9	2.005	234.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	3690.	54.43	2.707	-4.082	50.71	56.28	-3.592
SDev	215.	2.08	2.504	1.208	4.40	.93	3.396
%RSD	5.820	3.823	92.51	29.59	8.675	1.644	94.55
#1	3842.	55.91	.9363	-4.936	53.82	56.94	-5.994
#2	3538.	52.96	4.477	-3.228	47.60	55.63	-1.190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK

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High	100000.	20000.	10000.	2000.
Low	-10.00	-2.900	-4.900	-15.00
Elem	2068/2	1960/1	1960/2	8_2496
Units				ppb
Avge	-5.082	-.6616	4.379	41.15
SDev	3.176	1.8290	2.841	1.66
%RSD	62.51	276.4	64.88	4.040
#1	-2.836	-1.955	2.370	42.33
#2	-7.328	.6317	6.388	39.98
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1237	--	--	--	--	--	--
SDev	1.218016	--	--	--	--	--	--
%RSD	.0984816	--	--	--	--	--	--
#1	1238	--	--	--	--	--	--
#2	1236	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184056 Operator:
Run Time: 02/18/00 20:16:58
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.94	.2575	.4453	.0050	-.1285	48.66	.0428
SDev	1.16	.1706	.0499	.0263	.0868	.40	.2328
%RSD	6.480	66.26	11.21	528.3	67.55	.8130	544.2
#1	18.76	.1368	.4100	-.0136	-.0671	48.94	-.1218
#2	17.12	.3781	.4806	.0236	-.1899	48.38	.2074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3017	.1075	32.99	56.34	2.066	-.4559	174.1
SDev	.2048	.1129	1.62	.30	.104	.0452	3.2
%RSD	67.89	105.0	4.923	.5334	5.025	9.908	1.843
#1	-.4465	.0276	31.85	56.55	2.140	-.4239	176.3
#2	-.1569	.1873	34.14	56.13	1.993	-.4878	171.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

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Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0774	-576.8	-.6453	.4077	6.354	.2901	-.1836
SDev	.0514	27.9	.1726	.3381	.012	.3922	.0012
%RSD	66.41	4.837	26.76	82.94	.1898	135.2	.6590
#1	.0411	-596.6	-.7673	.1686	6.346	.0127	-.1828
#2	.1138	-557.1	-.5232	.6467	6.363	.5674	-.1845
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2.026	-.8185	.1777	.8994	-2.796	.1585	2.420
SDev	.701	.2786	1.040	.8801	.205	.3152	2.268
%RSD	34.62	34.04	585.2	97.85	7.343	198.8	93.72
#1	1.530	-.6215	-.5576	.2771	-2.651	.3814	.8163
#2	2.522	-1.016	.9130	1.522	-2.941	-.0644	4.024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-2.167	2.081	-.7829	3.861
SDev	1.900	2.308	.4065	.627
%RSD	87.69	110.9	51.92	16.24
#1	-.8233	.4491	-1.070	4.304
#2	-3.510	3.714	-.4955	3.417
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1188	--	--	--	--	--	--
SDev	5.284225	--	--	--	--	--	--
%RSD	.4449310	--	--	--	--	--	--
#1	1184	--	--	--	--	--	--
#2	1191	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV3 Operator:
Run Time: 02/18/00 20:22:15
Comment: 5031T1
Mode: CONC Corr. Factor: 1

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Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	247800.	4867.	9808.	969.5	2450.	123100.	4923.
SDev	255.	5.	5.	.5	1.	83.	2.
%RSD	.1029	.1050	.0495	.0548	.0282	.0672	.0446
#1	248000.	4864.	9811.	969.1	2450.	123000.	4921.
#2	247600.	4871.	9804.	969.9	2451.	123100.	4924.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2453.	12200.	99350.	122000.	4913.	2450.	50740.
SDev	2.	11.	51.	159.	2.	1.	157.
%RSD	.0851	.0925	.0513	.1304	.0374	.0372	.3085
#1	2452.	12210.	99310.	121900.	4912.	2449.	50850.
#2	2455.	12190.	99380.	122200.	4914.	2451.	50630.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1225.	124200.	4899.	2424.	2446.	2487.	4819.
SDev	.	77.	9.	1.	1.	8.	1.
%RSD	.0092	.0624	.1888	.0378	.0464	.3118	.0275
#1	1225.	124100.	4892.	2425.	2445.	2482.	4819.
#2	1225.	124200.	4905.	2424.	2447.	2493.	4820.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	5272.
Low	1182.	118200.	4728.	2364.	2364.	2364.	4728.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9774.	9769.	4858.	962.5	9821.	9743.	963.5
SDev	3.	23.	19.	3.6	1.	35.	7.9
%RSD	.0317	.2380	.3833	.3769	.0081	.3619	.8187
#1	9772.	9753.	4845.	960.0	9821.	9718.	958.0
#2	9776.	9786.	4871.	965.1	9820.	9768.	969.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	10540.	10540.	5272.	1054.			
Low	9455.	9455.	4728.	946.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	960.5	4860.	4857.	995.7
SDev	4.9	14.	21.	2.3
%RSD	.5110	.2836	.4331	.2321

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#1	964.0	4851.	4842.	994.1
#2	957.1	4870.	4872.	997.4
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1054.
Low				946.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1178	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	1178	--	--	--	--	--	--
#2	1178	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB3 Operator:
Run Time: 02/18/00 20:27:32
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26.16	2.635	.8380	.1187	.2876	13.09	.7017
SDev	.55	2.742	.0375	.0227	.0389	.89	.4561
%RSD	2.121	104.1	4.474	19.10	13.52	6.780	65.01
#1	25.76	.6958	.8115	.1027	.3151	12.47	1.024
#2	26.55	H4.574	.8646	.1347	.2601	13.72	.3791
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2237	1.470	21.68	12.43	.4790	-.2727	155.7
SDev	.0258	.431	3.42	1.00	.0322	.0749	.9
%RSD	11.52	29.31	15.76	8.045	6.718	27.45	.5723
#1	.2055	1.165	19.26	13.13	.5017	-.3257	156.3
#2	.2419	1.774	24.09	11.72	.4562	-.2198	155.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7084	-272.8	-.2177	.4995	1.919	3.332	.3230
SDev	.0602	237.2	.5866	.3099	.040	.636	.0068
%RSD	8.497	86.95	269.4	62.05	2.079	19.09	2.114
#1	.7509	-440.5	.1971	.7186	1.891	3.781	.3182

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#2	.6658	-105.1	-.6325	.2803	1.947	2.882	.3278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.543	.9176	-1.748	1.169	1.945	.3939	-.7589
SDev	.741	1.163	1.043	1.248	.953	1.267	1.4070
%RSD	48.06	126.8	59.64	106.8	48.99	321.7	185.4
#1	1.018	.0952	-1.011	.2858	1.271	-.5021	-1.754
#2	2.067	1.740	-2.486	2.051	2.619	1.290	.2360
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	5.009	3.685	-4.471	1.257			
SDev	.931	.583	1.854	.326			
%RSD	18.58	15.81	41.47	25.92			
#1	4.351	3.273	-3.160	1.487			
#2	5.667	4.097	-5.782	1.026			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-9.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1204	--	--	--	--	--	--
SDev	2.286099	--	--	--	--	--	--
%RSD	.1898501	--	--	--	--	--	--
#1	1203	--	--	--	--	--	--
#2	1206	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184105-2X Operator:
Run Time: 02/18/00 20:32:48
Comment: 503111
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	982.3	8.222	17.95	.0153	-.3588	16610.	3.355
SDev	42.9	2.839	.72	.0182	.0003	600.	.131
%RSD	4.370	34.53	4.031	119.2	.0826	3.611	3.910
#1	1013.	10.23	18.46	.0024	-.3586	17040.	3.448
#2	952.0	6.214	17.44	.0282	-.3590	16190.	3.262

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0395	1.869	35570.	5178.	385.8	.5825	6435.
SDev	.3170	.226	1264.	184.	13.6	.3777	245.
%RSD	803.5	12.07	3.555	3.558	3.522	64.84	3.813
#1	.1847	2.028	36460.	5308.	395.4	.8495	6609.
#2	-.2636	1.709	34670.	5048.	376.2	.3154	6262.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3757	6300.	-.8459	3.783	9.078	1.881	90.37
SDev	.0146	377.	.3637	.059	.025	.003	3.25
%RSD	3.880	5.988	42.99	1.551	.2760	.1671	3.601
#1	.3654	6566.	-.5887	3.824	9.096	1.878	92.67
#2	.3860	6033.	-1.103	3.741	9.060	1.883	88.07

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	22.96	1.123	1.216	.1150	.3324	1.505	.8883
SDev	.99	.814	.992	.6427	.9635	.739	1.391
%RSD	4.312	72.49	81.64	558.9	289.9	49.12	156.6
#1	23.66	1.698	1.917	-.3395	1.014	2.027	-.0951
#2	22.26	.5472	.5139	.5694	-.3489	.9822	1.872

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-1.454	3.232	.1991	25.41
SDev	.855	6.518	1.766	1.09
%RSD	58.83	201.7	887.2	4.275
#1	-.8491	7.841	-1.050	26.17
#2	-2.059	-1.378	1.448	24.64

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1199	--	--	--	--	--	--
SDev	5.265408	--	--	--	--	--	--
%RSD	.4391867	--	--	--	--	--	--
#1	1195	--	--	--	--	--	--
#2	1203	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184107 Operator:
Run Time: 02/18/00 20:38:06
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	82.91	-.5542	72.43	-.0061	.0779	8753.	.2638
SDev	.72	.1094	.04	.0217	.0585	14.	.1053
%RSD	.8678	19.75	.0517	358.7	75.11	.1626	39.91
#1	83.42	-.4768	72.40	-.0214	.1192	8743.	.1894
#2	82.40	-.6315	72.46	.0093	.0365	8764.	.3383
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.552	2.157	58.38	5000.	11.55	1.764	2690.
SDev	.127	.404	3.49	6.	.06	.189	1.
%RSD	8.188	18.71	5.981	.1149	.5522	10.71	.0484
#1	1.642	2.442	55.91	5004.	11.51	1.631	2691.
#2	1.462	1.872	60.85	4996.	11.60	1.898	2689.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2664	9429.	-1.456	.5331	15.15	.6050	80.69
SDev	.5173	76.	.214	.1640	.05	.5335	.04
%RSD	194.2	.8090	14.66	30.76	.3152	88.17	.0492
#1	-.0994	9375.	-1.607	.4171	15.19	.9823	80.72
#2	.6322	9483.	-1.305	.6490	15.12	.2278	80.66
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

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Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1

Units	ppb	ppb	ppb	ppb			
Avge	.1066	3.799	-.2506	.4577	5.024	3.177	1.557
SDev	.1566	.296	.9787	1.646	1.690	.400	1.420
%RSD	146.9	7.779	390.5	359.6	33.63	12.58	91.18
#1	.2173	4.008	.4414	-.7062	6.219	2.895	.5532
#2	-.0042	3.590	-.9426	1.622	3.829	3.460	2.561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-1.764	2.966	-1.867	273.3
SDev	2.100	1.552	.690	1.0
%RSD	119.0	52.48	36.97	.3744
#1	-3.249	4.067	-1.379	272.6
#2	-.2798	1.865	-2.355	274.0
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1187	--	--	--	--	--	--
SDev	.1686629	--	--	--	--	--	--
%RSD	.0142133	--	--	--	--	--	--
#1	1187	--	--	--	--	--	--
#2	1187	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184111 Operator:
Run Time: 02/18/00 20:43:23
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.750	.4204	.1849	-.0843	-.1211	31.25	-.2823
SDev	2.638	.9137	.0452	.0427	.0990	.16	.2782
%RSD	30.15	217.3	24.45	50.66	81.73	.5252	98.57
#1	10.61	1.067	.2168	-.1145	-.0511	31.36	-.0855
#2	6.884	-.2256	.1529	-.0541	-.1911	31.13	-.4790
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4707	-.1361	10.41	.1763	1.317	-.0224	151.0

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SDev	.5302	.5135	4.59	3.939	.043	.6537	12.5
%RSD	112.6	377.4	44.16	2234.	3.260	2917.	8.291
#1	-.0958	.2270	13.65	2.962	1.347	-.4847	159.9
#2	-.8456	-.4992	7.156	-2.609	1.287	.4398	142.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0899	-608.2	-.1585	-.0728	6.068	.7192	-.2256
SDev	.2783	332.2	3.4860	.3685	.014	.4258	.0325
%RSD	309.7	54.63	2199.	506.2	.2340	59.20	14.42
#1	.1069	-373.3	2.306	.1878	6.058	1.020	-.2026
#2	-.2867	-843.1	-2.624	-.3334	6.078	.4181	-.2486
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-.8335	-1.016	-.5007	1.378	-.8625	-1.106	.0234
SDev	.9905	1.118	1.7939	.627	.1708	1.591	1.144
%RSD	118.8	110.0	358.3	45.49	19.80	143.9	4896.
#1	-.1332	-1.807	-1.769	.9345	-.9833	-2.231	-.7858
#2	-1.534	-.2258	.7678	1.821	-.7418	.0193	.8325
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	4.070	1.767	-1.643	3.548			
SDev	.410	.271	2.554	.068			
%RSD	10.07	15.37	155.5	1.907			
#1	4.360	1.575	-3.449	3.500			
#2	3.781	1.959	.1632	3.596			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1192	--	--	--	--	--	--
SDev	8.432282	--	--	--	--	--	--
%RSD	.7074084	--	--	--	--	--	--

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#1	1186	--	--	--	--	--	--
#2	1198	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183850 Operator:
Run Time: 02/18/00 20:48:40
Comment: S031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1068.	2.339	32.77	-.0026	.2528	118200.	1.704
SDev	7.	.597	.03	.0245	.0078	68.	.148
%RSD	.6635	25.53	.0954	935.3	3.084	.0576	8.683
#1	1063.	1.917	32.79	-.0200	.2473	118200.	1.599
#2	1073.	2.762	32.75	.0147	.2583	118300.	1.808
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9066	10.83	1931.	10840.	79.94	3.172	5305.
SDev	.2648	.17	6.	3.	.16	.090	11.
%RSD	29.21	1.611	.3116	.0243	.2005	2.835	.2032
#1	1.094	10.95	1935.	10840.	79.83	3.109	5298.
#2	.7194	10.70	1926.	10840.	80.06	3.236	5313.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2713	13440.	-.7072	5.179	25.32	1.314	797.9
SDev	.0838	37.	1.6867	.521	.10	.166	.5
%RSD	30.89	.2735	238.5	10.06	.4074	12.63	.0598
#1	.3306	13410.	-1.900	5.547	25.40	1.196	797.6
#2	.2120	13470.	.4855	4.811	25.25	1.431	798.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	50.85	18.27	-2.149	.2672	17.81	18.48	-.4161
SDev	.96	.02	.878	.7343	1.27	.67	.2411
%RSD	1.884	.1360	40.86	274.9	7.107	3.620	57.93
#1	51.53	18.28	-1.528	-.2521	16.91	18.96	-.5866
#2	50.18	18.25	-2.770	.7864	18.70	18.01	-.2457

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	1.616	.4808	-3.472	75.68			
SDev	1.722	2.820	2.724	.51			
%RSD	106.6	586.5	78.46	.6734			
#1	.3976	-1.513	-1.546	75.32			
#2	2.834	2.475	-5.399	76.04			

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1189	--	--	--	--	--	--
SDev	4.478458	--	--	--	--	--	--
%RSD	.3766275	--	--	--	--	--	--
#1	1186	--	--	--	--	--	--
#2	1192	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183851 Operator:
Run Time: 02/18/00 20:53:57
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.720	.4086	.3720	-.0137	-.1410	47.25	.1206
SDev	1.963	.5954	.0583	.0105	.0283	.51	.0749
%RSD	114.1	145.7	15.67	76.29	20.05	1.070	62.11
#1	-.3318	.8295	.4132	-.0063	-.1210	47.61	.0676
#2	-3.108	-.0124	.3307	-.0211	-.1610	46.89	.1735
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1939	-.1126	5.433	2.775	1.724	-.6038	162.0
SDev	.0770	.4459	3.467	5.570	.021	.1429	12.9
%RSD	39.72	396.2	63.81	200.7	1.232	23.67	7.996
#1	-.1395	.2028	7.884	6.713	1.709	-.5027	171.1
#2	-.2484	-.4279	2.982	-1.164	1.739	-.7048	152.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.

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Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3811	-497.2	-2.368	.4346	6.933	.5105	-.1186
SDev	.2640	307.3	3.777	.3054	.027	.0271	.0072
%RSD	69.28	61.81	159.5	70.28	.3959	5.313	6.089
#1	.5677	-279.9	.3022	.6506	6.952	.4913	-.1135
#2	.1944	-714.5	-5.039	.2186	6.914	.5297	-.1237
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Li3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.2283	-.4576	-1.067	1.562	-1.370	-.0145	2.667
SDev	.3126	.0691	2.155	.235	.352	.0721	1.085
%RSD	136.9	15.10	201.9	15.05	25.68	495.7	40.70
#1	.4494	-.5064	-2.592	1.728	-1.619	.0364	1.899
#2	.0072	-.4087	.4566	1.396	-1.122	-.0655	3.435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-.6722	1.651	-2.435	2.878			
SDev	2.8797	2.866	1.800	.907			
%RSD	428.4	173.6	73.94	31.50			
#1	1.364	-.3756	-3.708	3.519			
#2	-2.708	3.678	-1.162	2.237			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1184	--	--	--	--	--	--
SDev	5.509080	--	--	--	--	--	--
%RSD	.4654528	--	--	--	--	--	--
#1	1180	--	--	--	--	--	--
#2	1187	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184018 Operator:
Run Time: 02/18/00 20:59:14
Comment: 5031T1

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Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	108.2	15.87	77.85	-.0257	-.1708	98470.	.1874
SDev	1.3	3.29	.15	.0104	.0856	121.	.2354
%RSD	1.209	20.70	.1932	40.39	50.13	.1233	125.6
#1	109.2	18.20	77.96	-.0330	-.2313	98380.	.0209
#2	107.3	13.55	77.75	-.0184	-.1102	98560.	.3538
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0073	.9555	3.516	24790.	37.00	.6080	6469.
SDev	.0975	.0225	4.779	10.	.14	.4431	27.
%RSD	1332.	2.351	135.9	.0412	.3714	72.88	.4119
#1	-.0616	.9396	.1363	24790.	36.90	.9213	6488.
#2	.0762	.9714	6.895	24800.	37.10	.2946	6450.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3184	20430.	-3.351	7.190	12.07	24.74	1309.
SDev	.1703	86.	1.347	.123	.05	.29	1.
%RSD	53.48	.4218	40.19	1.709	.4108	1.159	.0588
#1	.1980	20490.	-2.399	7.103	12.10	24.54	1310.
#2	.4389	20370.	-4.303	7.277	12.03	24.94	1309.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-.5342	.6744	.4639	5.033	1.011	.4937	5.395
SDev	.5444	.0679	2.463	.502	.658	.2268	.988
%RSD	101.9	10.06	530.9	9.971	65.09	45.93	18.32
#1	-.9191	.6265	2.205	5.388	.5457	.6540	4.696
#2	-.1493	.7224	-1.278	4.678	1.476	.3333	6.093
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	4.288	4.650	-1.636	351.5
SDev	3.486	2.300	4.841	.3

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%RSD	81.30	49.46	295.8	.0800
#1	6.753	3.024	1.787	351.3
#2	1.823	6.276	-5.059	351.7
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1178	--	--	--	--	--	--
SDev	3.485384	--	--	--	--	--	--
%RSD	.2958120	--	--	--	--	--	--
#1	1176	--	--	--	--	--	--
#2	1181	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184155 Operator:
Run Time: 02/18/00 21:04:31
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.59	3.458	523.7	-.0177	-.5325	121800.	-.3537
SDev	3.11	2.009	.3	.0295	.1101	222.	.3621
%RSD	18.73	58.11	.0662	166.7	20.67	.1826	102.4
#1	18.79	4.878	523.9	-.0385	-.4546	121600.	-.0976
#2	14.39	2.037	523.4	.0032	-.6103	121900.	-.6097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6900	2.775	37270.	34110.	714.7	1.513	27320.
SDev	.0483	.289	20.	31.	.8	.165	143.
%RSD	6.993	10.43	.0547	.0918	.1157	10.90	.5234
#1	.7241	2.979	37250.	34090.	714.1	1.396	27420.
#2	.6559	2.570	37280.	34130.	715.3	1.629	27220.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1307	H711400.	-2.344	1.129	89.26	1.494	865.6
SDev	.1832	4012.	1.914	.440	.15	.089	.4
%RSD	140.1	.5639	81.64	39.02	.1641	5.988	.0424

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#1	-.2602	H714200.	-3.698	.8173	89.36	1.557	865.8
#2	-.0012	H708600.	-.9911	1.440	89.16	1.431	865.3

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Li3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-3.133	-.5174	-.7358	.3998	.9029	-1.240	-.0719
SDev	1.125	1.5395	1.6080	.0462	.3818	2.503	1.5836
%RSD	35.89	297.6	218.5	11.56	42.29	201.9	2202.
#1	-3.929	-1.606	-1.873	.3671	1.173	-3.009	-1.192
#2	-2.338	.5712	.4013	.4325	.6329	.5299	1.048

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	1.323	-1.367	-.4314	312.0
SDev	3.033	1.673	1.5758	.7
%RSD	229.2	122.4	365.3	.2120
#1	3.468	-2.550	-1.546	312.5
#2	-.8213	-.1839	.6829	311.5

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1134	--	--	--	--	--	--
SDev	7.214267	--	--	--	--	--	--
%RSD	.6361781	--	--	--	--	--	--
#1	1129	--	--	--	--	--	--
#2	1139	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184156 Operator:
Run Time: 02/18/00 21:09:48
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.508	2.405	424.0	-.0404	-.3706	179100.	-.1052
SDev	1.762	.989	.6	.0291	.1263	137.	.3946
%RSD	70.28	41.13	.1527	72.15	34.09	.0765	375.2
#1	3.754	1.705	424.4	-.0609	-.4599	179000.	-.3842

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#2	1.261	3.104	423.5	-.0198	-.2813	179200.	.1739
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.405	2.451	31130.	95840.	3100.	3.074	41080.
SDev	.198	.395	49.	78.	.	.220	186.
%RSD	14.09	16.12	.1582	.0810	.0085	7.168	.4517
#1	1.265	2.172	31100.	95780.	3101.	2.918	41210.
#2	1.545	2.731	31170.	95890.	3100.	3.230	40950.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0997	H912000.	-3.450	.6142	105.8	4.113	1355.
SDev	.5017	3314.	1.503	.2092	.2	.184	1.
%RSD	503.4	.3634	43.57	34.06	.2355	4.469	.0707
#1	-.2551	H914300.	-2.387	.7620	105.9	4.243	1355.
#2	.4544	H909600.	-4.513	.4663	105.6	3.983	1354.
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-3.152	-1.369	1.436	-1.687	-.2059	-1.963	-1.168
SDev	.728	.151	.730	1.397	.3518	.402	1.577
%RSD	23.09	11.01	50.79	82.81	170.9	20.46	135.0
#1	-3.666	-1.475	.9205	-.6992	.0429	-2.247	-.0530
#2	-2.637	-1.262	1.952	-2.675	-.4546	-1.679	-2.284
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-2.747	3.149	.5704	616.6			
SDev	1.035	1.559	.3155	.4			
%RSD	37.69	49.50	55.32	.0673			
#1	-2.015	2.047	.3473	616.3			
#2	-3.479	4.252	.7934	616.9			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1115	--	--	--	--	--	--
SDev	1.742649	--	--	--	--	--	--
%RSD	.1563582	--	--	--	--	--	--
#1	1116	--	--	--	--	--	--
#2	1113	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184157 Operator:
Run Time: 02/18/00 21:15:05
Comment: 503111
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	68.16	2.941	337.9	-.0433	-.0036	175400.	.0866
SDev	2.83	2.439	9.8	.0219	.1371	4942.	.1798
%RSD	4.156	82.94	2.904	50.68	3794.	2.817	207.6
#1	70.17	4.666	344.9	-.0588	.0933	178900.	.2137
#2	66.16	1.216	331.0	-.0278	-.1006	172000.	-.0405
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.200	.2105	12040.	95570.	3073.	2.084	41090.
SDev	.021	.6982	345.	2860.	91.	.134	1275.
%RSD	1.747	331.6	2.867	2.993	2.951	6.442	3.103
#1	1.215	.7042	12290.	97590.	3137.	2.179	41990.
#2	1.185	-.2832	11800.	93550.	3009.	1.989	40190.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1005	H906700.	-3.435	-.1520	71.08	3.728	1322.
SDev	.1946	23813.	1.351	.8357	2.23	.144	38.
%RSD	193.7	2.626	39.33	550.0	3.144	3.853	2.895
#1	-.2381	H923600.	-4.391	.4390	72.66	3.829	1349.
#2	.0371	H889900.	-2.480	-.7429	69.50	3.626	1295.
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1

306902

Units	ppb	ppb	ppb	ppb			
Avge	-2.143	-.9707	-.5964	-.9395	-1.019	-.9598	-1.110
SDev	.873	.3056	1.8245	1.3313	1.998	.5389	2.822
%RSD	40.72	31.48	305.9	141.7	196.1	56.14	254.1
#1	-2.760	-1.187	-1.887	.0019	-2.432	-.5787	.8848
#2	-1.526	-.7546	.6937	-1.881	.3937	-1.341	-3.106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.6182	4.548	-3.175	614.6
SDev	1.6546	.688	2.392	17.4
%RSD	267.6	15.13	75.34	2.830
#1	-1.788	4.061	-4.867	626.9
#2	.5518	5.034	-1.484	602.3
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1131	--	--	--	--	--	--
SDev	34.98444	--	--	--	--	--	--
%RSD	3.092995	--	--	--	--	--	--
#1	1106	--	--	--	--	--	--
#2	1156	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184158 Operator:
Run Time: 02/18/00 21:20:22
Comment: 5031TI
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1148.	2.801	183.8	-.0725	-.0188	58080.	.9827
SDev	75.	1.990	11.7	.0670	.1632	3628.	.0882
%RSD	6.539	71.07	6.356	92.47	867.7	6.246	8.970
#1	1201.	1.393	192.0	-.1199	.0966	60640.	1.045
#2	1095.	4.208	175.5	-.0251	-.1342	55510.	.9204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6887	1.447	470.1	102500.	965.6	2.010	45450.

306903

SDev	.3690	.370	42.3	6480.	60.9	.153	2724.
%RSD	53.58	25.59	9.005	6.321	6.306	7.606	5.994
#1	.9496	1.708	500.0	107100.	1009.	1.902	47370.
#2	.4278	1.185	440.2	97930.	922.6	2.118	43520.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2118	H1097000.	-2.417	.3313	21.36	4.673	808.4
SDev	.1213	52559.	.848	.7434	1.32	.330	50.6
%RSD	57.30	4.790	35.09	224.4	6.186	7.057	6.256
#1	.2976	H1134000.	-3.017	.8570	22.30	4.906	844.2
#2	.1260	H1060000.	-1.817	-.1944	20.43	4.440	772.6
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-4.572	-2.222	-.8736	.3189	-1.792	-2.448	-.7171
SDev	.397	.796	4.4285	2.317	1.823	.282	.5740
%RSD	8.676	35.81	506.9	726.6	101.7	11.51	80.05
#1	-4.852	-1.659	-4.005	1.958	-.5028	-2.248	-.3112
#2	-4.291	-2.784	2.258	-1.320	-3.081	-2.647	-1.123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	2.372	-1.081	-.7812	668.2			
SDev	5.808	7.534	2.8788	37.7			
%RSD	244.9	696.9	368.5	5.641			
#1	6.479	-6.408	-2.817	694.8			
#2	-1.735	4.246	1.254	641.5			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1076	--	--	--	--	--	--
SDev	63.67284	--	--	--	--	--	--
%RSD	5.918392	--	--	--	--	--	--

306904

#1	1031	--	--	--	--	--	--
#2	1121	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV4 Operator:
Run Time: 02/18/00 21:25:40
Comment: 9158T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	247500.	4923.	9851.	986.0	2495.	124400.	4957.
SDev	34.	7.	5.	1.4	4.	170.	5.
%RSD	.0136	.1497	.0467	.1408	.1513	.1365	.0950
#1	247500.	4928.	9848.	987.0	2498.	124500.	4960.
#2	247500.	4918.	9854.	985.1	2492.	124300.	4953.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2459.	12460.	98050.	122500.	4977.	2470.	50780.
SDev	4.	5.	33.	180.	5.	5.	9.
%RSD	.1659	.0384	.0335	.1466	.0935	.1882	.0184
#1	2462.	12460.	98080.	122600.	4980.	2473.	50770.
#2	2456.	12450.	98030.	122400.	4974.	2467.	50790.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1229.	124500.	4890.	2492.	2482.	2507.	4865.
SDev	1.	435.	10.	3.	4.	6.	1.
%RSD	.0934	.3492	.2050	.1016	.1553	.2503	.0274
#1	1228.	124800.	4897.	2494.	2485.	2503.	4864.
#2	1229.	124200.	4883.	2490.	2479.	2512.	4866.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	5272.
Low	1182.	118200.	4728.	2364.	2364.	2364.	4728.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9776.	9923.	4941.	977.3	9899.	9934.	978.6
SDev	.	42.	25.	.7	31.	48.	1.3
%RSD	.0023	.4238	.5068	.0748	.3090	.4809	.1296
#1	9776.	9952.	4958.	977.9	9920.	9968.	979.5
#2	9776.	9893.	4923.	976.8	9877.	9901.	977.7

306905

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	10540.	10540.	5272.	1054.			
Low	9455.	9455.	4728.	946.0			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	974.8	4925.	4948.	1007.			
SDev	.3	30.	23.	2.			
%RSD	.0353	.6010	.4600	.1706			
#1	974.5	4946.	4964.	1006.			
#2	975.0	4904.	4932.	1008.			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				1054.			
Low				946.0			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1181	--	--	--	--	--	--
SDev	5.096831	--	--	--	--	--	--
%RSD	.4317439	--	--	--	--	--	--
#1	1177	--	--	--	--	--	--
#2	1184	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB4 Operator:
Run Time: 02/18/00 21:30:57
Comment: 9158T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24.97	2.220	.7740	.1021	.1919	11.67	.1531
SDev	3.23	.862	.0269	.0004	.1031	.10	.2983
%RSD	12.95	38.83	3.472	.3805	53.71	.8613	194.8
#1	27.26	2.829	.7930	.1018	.2648	11.74	-.0578
#2	22.69	1.610	.7550	.1024	.1190	11.60	.3640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1616	1.239	1.859	12.46	.3939	-.0868	134.7
SDev	.0379	.201	6.309	.96	.0306	.5032	.1
%RSD	23.43	16.21	339.3	7.697	7.778	579.5	.0610
#1	-.1348	1.381	-2.602	13.14	.4155	.2690	134.6
#2	-.1883	1.097	6.320	11.78	.3722	-.4426	134.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.

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Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2583	-343.4	-.4485	.4961	1.842	2.826	.3400
SDev	.6204	64.1	1.1178	.3426	.071	1.053	.0140
%RSD	240.2	18.66	249.2	69.06	3.864	37.27	4.123
#1	.1804	-388.7	-1.239	.2538	1.892	3.571	.3499
#2	-.6969	-298.1	.3419	.7383	1.791	2.082	.3301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.0206	.6810	-.4371	2.262	-.1709	1.094	3.553
SDev	.9583	.0759	2.5034	.945	2.1067	1.166	2.257
%RSD	4643.	11.15	572.8	41.79	1233.	106.6	63.52
#1	.6983	.7346	-2.207	2.930	-1.661	1.918	5.148
#2	-.6570	.6273	1.333	1.593	1.319	.2696	1.957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.3440	4.139	-2.732	1.390
SDev	1.6815	5.322	1.096	.694
%RSD	488.8	128.6	40.13	49.93
#1	-1.533	.3757	-3.507	1.881
#2	.8450	7.902	-1.956	.8992
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1202	--	--	--	--	--	--
SDev	.1499322	--	--	--	--	--	--
%RSD	.0124704	--	--	--	--	--	--
#1	1202	--	--	--	--	--	--
#2	1202	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184165 Operator:
Run Time: 02/18/00 21:36:15
Comment: 5069T1 & 5062T3

306907

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.742	1.222	321.5	-.0402	.1572	180500.	.1026
SDev	.945	.758	.1	.0073	.0270	362.	.3399
%RSD	25.25	62.03	.0328	18.08	17.16	.2005	331.3
#1	4.410	1.759	321.5	-.0454	.1381	180200.	.3430
#2	3.074	.6863	321.4	-.0351	.1762	180700.	-.1377
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.250	.3085	3843.	97220.	3158.	2.714	41820.
SDev	.095	.1198	15.	20.	2.	.646	11.
%RSD	7.564	38.84	.3967	.0202	.0673	23.82	.0269
#1	1.317	.3933	3832.	97210.	3157.	3.170	41830.
#2	1.183	.2238	3854.	97230.	3160.	2.257	41810.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2710	H915400.	-3.584	-.4443	64.07	4.541	1359.
SDev	.2061	598.	.189	.0988	.10	.468	2.
%RSD	76.05	.0653	5.265	22.23	.1607	10.32	.1595
#1	-.1253	H915000.	-3.718	-.5142	64.14	4.873	1357.
#2	-.4168	H915900.	-3.451	-.3745	64.00	4.210	1360.
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-3.628	-1.081	-1.691	-.7983	-.6930	-1.288	-1.877
SDev	.223	1.463	3.650	.2103	2.9511	.720	.836
%RSD	6.133	135.2	215.8	26.34	425.8	55.91	44.56
#1	-3.785	-.0473	-4.272	-.9470	1.394	-.7790	-2.468
#2	-3.471	-2.116	.8897	-.6495	-2.780	-1.798	-1.285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	1.340	-3.421	-.8387	620.8
SDev	1.043	1.671	6.3067	1.1

306908

%RSD	77.86	48.86	752.0	.1725
#1	2.078	-2.239	-5.298	620.0
#2	.6023	-4.603	3.621	621.5
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1104	--	--	--	--	--	--
SDev	8.038678	--	--	--	--	--	--
%RSD	.7282614	--	--	--	--	--	--
#1	1098	--	--	--	--	--	--
#2	1110	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 184166 Operator:
Run Time: 02/18/00 21:41:32
Comment: 5069T1 & 5062T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	346.9	1.101	161.1	-.0097	-.0326	31400.	.8480
SDev	.7	.464	.3	.0241	.1798	51.	.1422
%RSD	.2032	42.13	.2133	248.5	552.2	.1639	16.77
#1	347.4	.7733	160.8	-.0267	.0946	31360.	.9485
#2	346.4	1.429	161.3	.0073	-.1597	31440.	.7474
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3850	1.086	135.3	96600.	215.0	1.209	43600.
SDev	.0198	.467	1.1	144.	.2	.538	21.
%RSD	5.139	42.99	.8469	.1488	.0724	44.52	.0473
#1	.3710	.7559	136.1	96490.	214.9	1.589	43590.
#2	.3990	1.416	134.5	96700.	215.1	.8283	43620.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0410	H1062000.	-2.552	-.0771	7.526	4.930	644.1
SDev	.0070	2098.	.123	.4711	.039	.322	.1
%RSD	17.02	.1974	4.837	611.2	.5197	6.541	.0105

306909

#1	-.0361	H1061000.	-2.639	.2560	7.554	4.702	644.1
#2	-.0459	H1064000.	-2.465	-.4102	7.499	5.158	644.0

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	-4.161	-1.546	.1703	-.0340	-2.456	-1.104	-.0724
SDev	.321	.237	1.260	.4400	.288	.211	.8582
%RSD	7.720	15.33	739.8	1294.	11.72	19.07	1186.

#1	-4.388	-1.713	-.7204	-.3451	-2.660	-1.253	-.6792
#2	-3.934	-1.378	1.061	.2771	-2.253	-.9549	.5345

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.0214	1.704	-.6063	646.4
SDev	.3976	.006	1.8916	1.7
%RSD	1862.	.3582	312.0	.2612

#1	.3025	1.709	-1.944	645.2
#2	-.2598	1.700	.7312	647.6

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1120	--	--	--	--	--	--
SDev	1.892581	--	--	--	--	--	--
%RSD	.1690230	--	--	--	--	--	--

#1	1118	--	--	--	--	--	--
#2	1121	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICSA2 Operator:
Run Time: 02/18/00 21:46:49
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	504800.	.0920	1.307	-.0047	-.9942	469700.	1.308
SDev	359.	.6759	.056	.0070	.1609	251.	.068
%RSD	.0711	734.6	4.269	150.2	16.19	.0534	5.175

#1	504600.	-.3859	1.346	.0003	-1.108	469500.	1.356

306910

#2	505100.	.5699	1.267	-.0097	-.8804	469900.	1.261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.8491	-1.883	192100.	509100.	1.301	1.391	114.9
SDev	.1327	.106	110.	516.	.023	.363	2.0
%RSD	15.62	5.639	.0574	.1014	1.792	26.10	1.744
#1	-.7553	-1.808	192000.	508800.	1.284	1.648	116.3
#2	-.9428	-1.958	192200.	509500.	1.317	1.134	113.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3725	-27.53	-6.632	.7381	-.8611	-.8030	-1.220
SDev	.6694	346.53	3.918	.3231	.1010	.1743	.004
%RSD	179.7	1259.	59.08	43.77	11.73	21.71	.3195
#1	.8458	217.5	-9.402	.5097	-.7897	-.9262	-1.223
#2	-.1009	-272.6	-3.861	.9666	-.9325	-.6797	-1.217
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	50.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-50.00
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.8720	-.3360	-5.087	-6.226	-20.07	9.503	-6.668
SDev	.9344	.6200	1.539	.919	2.15	2.005	.104
%RSD	107.2	184.5	30.26	14.77	10.73	21.10	1.559
#1	.2112	-.7744	-3.998	-6.876	-18.55	8.085	-6.594
#2	1.533	.1024	-6.176	-5.576	-21.59	10.92	-6.741
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	20.00	5.000	10.00	10.00			
Low	-20.00	-5.000	-10.00	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-5.361	-.2104	-7.532	-.9681			
SDev	2.969	7.4379	1.405	.2904			
%RSD	55.37	3535.	18.66	29.99			
#1	-7.461	5.049	-8.526	-1.173			
#2	-3.262	-5.470	-6.538	-.7628			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-15.00			

306911

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1149	--	--	--	--	--	--
SDev	.0749229	--	--	--	--	--	--
%RSD	.0065182	--	--	--	--	--	--
#1	1149	--	--	--	--	--	--
#2	1149	--	--	--	--	--	--

Method: I_SW846 Sample Name: ICSA82 Operator:
Run Time: 02/18/00 21:52:06
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	499400.	99.92	104.2	95.49	94.88	458100.	99.57
SDev	270.	1.15	.2	.17	.09	110.	.47
%RSD	.0541	1.154	.1922	.1782	.0936	.0240	.4683
#1	499600.	100.7	104.3	95.61	94.94	458200.	99.90
#2	499200.	99.10	104.1	95.37	94.82	458000.	99.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	93.18	102.3	190800.	497400.	98.30	95.10	11340.
SDev	.04	.9	21.	120.	.06	.21	12.
%RSD	.0470	.8548	.0108	.0242	.0659	.2163	.1062
#1	93.21	102.9	190800.	497300.	98.26	95.24	11350.
#2	93.14	101.7	190800.	497400.	98.35	94.95	11340.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	102.9	10350.	87.30	99.24	98.90	95.81	102.9
SDev	.7	117.	2.53	.69	.18	.36	.2
%RSD	.6364	1.127	2.893	.6987	.1821	.3757	.1715
#1	103.4	10430.	89.08	99.73	99.02	96.07	103.0
#2	102.5	10270.	85.51	98.75	98.77	95.56	102.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1

306912

Units	ppb	ppb	ppb	ppb			
Avge	95.58	93.27	88.74	94.53	69.60	105.1	96.99
SDev	.52	2.45	.25	.02	2.39	2.5	3.71
%RSD	.5454	2.624	.2784	.0263	3.434	2.357	3.823
#1	95.95	95.00	88.57	94.51	71.29	106.8	94.37
#2	95.21	91.53	88.92	94.55	67.91	103.3	99.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	120.0	120.0	120.0	120.0			
Low	80.00	80.00	80.00	80.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	89.57	93.34	86.43	100.1
SDev	7.35	.07	.40	.1
%RSD	8.208	.0727	.4677	.1417
#1	94.77	93.39	86.15	99.98
#2	84.37	93.30	86.72	100.2
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				120.0
Low				80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1132	--	--	--	--	--	--
SDev	3.391644	--	--	--	--	--	--
%RSD	.2997379	--	--	--	--	--	--
#1	1129	--	--	--	--	--	--
#2	1134	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV5 Operator:
Run Time: 02/18/00 21:57:23
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	249100.	4891.	9856.	975.9	2471.	123300.	4928.
SDev	212.	2.	3.	.2	1.	134.	2.
%RSD	.0852	.0312	.0276	.0167	.0431	.1089	.0397
#1	249300.	4889.	9858.	975.8	2470.	123200.	4927.
#2	249000.	4892.	9855.	976.0	2472.	123400.	4930.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2447.	12410.	97950.	121600.	4945.	2456.	50990.

306913

SDev	1.	13.	53.	31.	3.	1.	85.
%RSD	.0344	.1020	.0538	.0258	.0581	.0257	.1665
#1	2448.	12420.	97990.	121600.	4943.	2456.	51050.
#2	2447.	12400.	97910.	121700.	4947.	2455.	50930.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1228.	124700.	4886.	2470.	2466.	2492.	4860.
SDev	1.	299.	2.	4.	1.	3.	2.
%RSD	.1045	.2401	.0395	.1448	.0254	.1332	.0375
#1	1229.	124900.	4887.	2468.	2466.	2490.	4859.
#2	1228.	124500.	4885.	2473.	2465.	2494.	4861.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	5272.
Low	1182.	118200.	4728.	2364.	2364.	2364.	4728.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9766.	9809.	4894.	974.8	9828.	9799.	975.1
SDev	12.	1.	7.	.6	17.	7.	.7
%RSD	.1255	.0088	.1433	.0652	.1752	.0745	.0733
#1	9757.	9808.	4899.	975.3	9815.	9804.	975.6
#2	9774.	9809.	4889.	974.4	9840.	9794.	974.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	10540.	10540.	5272.	1054.			
Low	9455.	9455.	4728.	946.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	974.3	4894.	4894.	1004.
SDev	.5	14.	18.	.
%RSD	.0489	.2919	.3606	.0328
#1	974.7	4884.	4907.	1003.
#2	974.0	4904.	4882.	1004.
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1054.
Low				946.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1174	--	--	--	--	--	--
SDev	4.309795	--	--	--	--	--	--
%RSD	.3669700	--	--	--	--	--	--

306914

#1	1171	--	--	--	--	--	--
#2	1177	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB5 Operator:
Run Time: 02/18/00 22:02:40
Comment: 5032T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	60.20	2.106	.8950	.0929	.2167	33.10	.3078
SDev	5.01	.270	.0876	.0172	.0053	1.83	.0214
%RSD	8.323	12.83	9.785	18.55	2.423	5.533	6.943
#1	56.66	2.297	.8331	.0807	.2204	31.81	.2927
#2	63.75	1.915	.9569	.1051	.2130	34.40	.3229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1684	1.438	26.98	40.13	.3277	-.2465	132.8
SDev	.2574	.258	5.08	.22	.0031	.2391	9.0
%RSD	152.8	17.93	18.84	.5377	.9403	97.00	6.787
#1	-.0136	1.256	23.39	40.28	.3298	-.4156	139.1
#2	.3504	1.620	30.57	39.97	.3255	-.0774	126.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2664	-395.2	.6509	.2972	1.596	2.732	.3147
SDev	.2492	64.7	1.918	.5198	.065	.579	.0273
%RSD	93.55	16.37	294.7	174.9	4.065	21.18	8.669
#1	.0902	-349.5	2.007	.6648	1.642	3.141	.2954
#2	.4427	-441.0	-.7053	-.0703	1.550	2.323	.3340
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.352	.9177	-.0494	1.758	2.771	-.0176	1.329
SDev	.213	.1319	.3690	1.107	.432	.0177	.988
%RSD	15.73	14.37	747.1	62.93	15.57	100.8	74.36
#1	1.201	1.011	-.3103	2.541	3.076	-.0302	2.028
#2	1.502	.8244	.2116	.9759	2.466	-.0051	.6301

306915

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	2.599	4.325	-2.243	1.354			
SDev	1.343	3.365	1.126	.363			
%RSD	51.70	77.79	50.21	26.81			
#1	3.549	1.946	-1.447	1.098			
#2	1.649	6.704	-3.040	1.611			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-9.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1204	--	--	--	--	--	--
SDev	5.059370	--	--	--	--	--	--
%RSD	.4203149	--	--	--	--	--	--
#1	1200	--	--	--	--	--	--
#2	1207	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699L-2X Operator:
Run Time: 02/18/00 22:07:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10050.	6.136	47.32	.5662	-.0626	1732.	23.98
SDev	26.	.866	.07	.0009	.0017	1.	.08
%RSD	.2558	14.11	.1582	.1667	2.719	.0802	.3400
#1	10070.	5.524	47.37	.5668	-.0614	1733.	24.04
#2	10030.	6.748	47.26	.5655	-.0639	1731.	23.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.526	7.522	17540.	3614.	470.2	14.09	1448.
SDev	.300	.204	18.	8.	.7	.13	9.
%RSD	4.592	2.710	.1009	.2279	.1475	.9168	.6519
#1	6.314	7.378	17530.	3608.	470.7	14.19	1441.
#2	6.737	7.666	17550.	3620.	469.7	14.00	1454.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.

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Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2426	-16.57	-2.101	25.24	41.25	1.315	14.73
SDev	.0660	278.72	.701	.45	.04	.153	.05
%RSD	27.19	1682.	33.37	1.765	.0886	11.67	.3193
#1	.1959	-213.7	-1.605	24.92	41.27	1.424	14.77
#2	.2892	180.5	-2.596	25.55	41.22	1.207	14.70
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	367.6	8.093	2.363	-.3777	8.568	7.843	-.2022
SDev	.5	.115	1.106	1.2001	.477	.066	2.1745
%RSD	.1268	1.417	46.80	317.8	5.567	.8442	1075.
#1	367.3	8.012	1.581	-1.226	8.231	7.890	-1.740
#2	367.9	8.174	3.145	.4709	8.906	7.796	1.335
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-.7488	3.805	1.633	6.460			
SDev	.7516	.717	2.016	.206			
%RSD	100.4	18.85	123.5	3.189			
#1	-.2173	4.312	.2074	6.605			
#2	-1.280	3.298	3.058	6.314			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1218	--	--	--	--	--	--
SDev	4.141132	--	--	--	--	--	--
%RSD	.3400667	--	--	--	--	--	--
#1	1221	--	--	--	--	--	--
#2	1215	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699MS-2X Operator:
Run Time: 02/18/00 22:13:15
Comment: 5064S(PB)

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Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52540.	881.5	1126.	24.80	21.24	17060.	205.0
SDev	28.	1.4	.	.05	.23	27.	.5
%RSD	.0535	.1568	.0408	.1982	1.070	.1572	.2542
#1	52520.	882.4	1126.	24.76	21.08	17040.	205.4
#2	52560.	880.5	1125.	24.83	21.40	17080.	204.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	255.1	144.3	84280.	26260.	2324.	294.0	15290.
SDev	.5	.4	20.	39.	2.	.4	17.
%RSD	.1940	.2441	.0235	.1485	.0899	.1478	.1130
#1	254.8	144.1	84260.	26230.	2323.	293.7	15300.
#2	255.5	144.6	84290.	26280.	2326.	294.3	15280.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.47	9559.	878.0	338.3	410.6	216.8	301.5
SDev	.20	25.	3.5	.9	.3	1.3	.2
%RSD	.9196	.2636	.4018	.2716	.0756	.5893	.0550
#1	21.33	9542.	875.5	337.7	410.4	215.9	301.7
#2	21.61	9577.	880.5	339.0	410.8	217.7	301.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2027.	255.0	844.4	83.25	252.3	256.4	84.23
SDev	.	2.8	7.5	.20	4.2	2.0	.01
%RSD	.0205	1.081	.8830	.2378	1.669	.7920	.0092
#1	2028.	253.1	839.2	83.11	249.3	254.9	84.22
#2	2027.	257.0	849.7	83.39	255.3	257.8	84.23
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	81.27	842.0	845.6	233.5
SDev	.58	10.0	6.2	1.9

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%RSD	.7123	1.189	.7309	.8175
#1	80.86	834.9	841.3	232.1
#2	81.68	849.1	850.0	234.8
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1259	--	--	--	--	--	--
SDev	2.567146	--	--	--	--	--	--
%RSD	.2039377	--	--	--	--	--	--
#1	1257	--	--	--	--	--	--
#2	1261	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183699MSD-2X Operator:
Run Time: 02/18/00 22:18:32
Comment: 5064S(P8)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52630.	884.9	1143.	24.98	21.80	17160.	206.4
SDev	465.	7.5	7.	.02	.10	31.	.1
%RSD	.8826	.8515	.6268	.0758	.4359	.1835	.0413
#1	52960.	890.2	1148.	24.99	21.87	17190.	206.5
#2	52300.	879.5	1138.	24.97	21.73	17140.	206.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	256.0	148.1	84510.	26150.	2303.	295.5	15540.
SDev	.9	.8	321.	68.	7.	.1	154.
%RSD	.3541	.5539	.3802	.2590	.3028	.0364	.9893
#1	256.6	148.7	84740.	26200.	2308.	295.6	15650.
#2	255.3	147.5	84280.	26110.	2298.	295.4	15430.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.89	9812.	883.2	344.4	412.6	218.6	307.5
SDev	.37	88.	6.2	.3	1.1	.9	1.7
%RSD	1.704	.9015	.7021	.0835	.2740	.4040	.5454

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#1	21.63	9749.	887.6	344.6	413.4	219.2	308.7
#2	22.15	9874.	878.8	344.2	411.8	218.0	306.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2030.	277.0	862.6	82.95	275.5	277.8	83.78
SDev	8.	1.2	5.8	2.20	.7	1.4	2.77
%RSD	.3821	.4190	.6779	2.652	.2578	.4982	3.302
#1	2035.	276.2	866.7	81.40	275.0	276.8	81.83
#2	2025.	277.9	858.5	84.51	276.0	278.8	85.74
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	81.27	856.3	865.8	238.3
SDev	1.07	1.4	8.1	.6
%RSD	1.311	.1664	.9305	.2652
#1	80.52	857.3	871.5	238.7
#2	82.03	855.3	860.1	237.8
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1236	--	--	--	--	--	--
SDev	6.071175	--	--	--	--	--	--
%RSD	.4912113	--	--	--	--	--	--
#1	1232	--	--	--	--	--	--
#2	1240	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183701-2X Operator:
Run Time: 02/18/00 22:23:49
Comment: 5064S(P8)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34720.	17.80	283.9	1.828	-1.398	9596.	88.98
SDev	1199.	1.10	10.1	.042	.285	307.	2.81
%RSD	3.455	6.158	3.551	2.320	20.41	3.195	3.162
#1	35570.	18.58	291.0	1.858	-1.196	9812.	90.97

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#2	33870.	17.03	276.8	1.798	-1.600	9379.	86.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30.25	152.7	103300.	6491.	1032.	38.86	3858.
SDev	.99	5.5	3263.	197.	33.	1.43	168.
%RSD	3.258	3.623	3.160	3.042	3.151	3.669	4.361
#1	30.95	156.6	105600.	6631.	1055.	39.86	3977.
#2	29.56	148.7	101000.	6352.	1009.	37.85	3740.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Ti1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0955	66.20	.9637	169.0	156.8	2.858	65.68
SDev	.4060	11.51	2.100	4.9	4.5	.044	2.19
%RSD	425.2	17.39	217.9	2.925	2.875	1.531	3.339
#1	-.1916	58.06	-.5214	172.5	160.0	2.827	67.23
#2	.3826	74.34	2.449	165.5	153.6	2.889	64.13
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1485.	286.7	.1560	-3.125	282.3	288.9	-2.632
SDev	46.	9.5	1.202	.646	13.3	7.6	1.481
%RSD	3.071	3.310	770.2	20.69	4.700	2.632	56.28
#1	1518.	293.4	1.006	-3.582	291.7	294.3	-3.680
#2	1453.	280.0	-.6938	-2.668	272.9	283.5	-1.585
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-4.131	-4.368	2.405	6.100			
SDev	1.026	.617	2.110	.939			
%RSD	24.84	14.12	87.71	15.40			
#1	-3.406	-4.804	3.897	5.436			
#2	-4.857	-3.932	.9134	6.764			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1248	--	--	--	--	--	--
SDev	8.488475	--	--	--	--	--	--
%RSD	.6801784	--	--	--	--	--	--
#1	1242	--	--	--	--	--	--
#2	1254	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183703-10X Operator:
Run Time: 02/18/00 22:29:07
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	64.76	.9912	5.981	-.0100	-.1062	H323200.	2.207
SDev	.29	1.963	.035	.0013	.0594	457.	.405
%RSD	.4470	198.1	.5831	13.28	55.90	.1413	18.35
#1	64.55	-.3969	6.005	-.0091	-.0642	H323600.	2.494
#2	64.96	2.379	5.956	-.0110	-.1481	H322900.	1.921
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0602	-.3574	54.56	1905.	2.077	-.0504	194.1
SDev	.0978	.1964	9.83	4.	.029	.0017	1.2
%RSD	162.4	54.96	18.02	.2336	1.400	3.310	.6377
#1	.0089	-.2185	61.51	1908.	2.097	-.0492	193.2
#2	-.1293	-.4962	47.61	1902.	2.056	-.0516	195.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3384	2311.	-1.448	.7029	3.278	.2029	7051.
SDev	.0606	59.	.754	.5549	.030	.2313	2.
%RSD	17.90	2.549	52.05	78.94	.9039	114.0	.0302
#1	.3813	2270.	-1.981	1.095	3.257	.3664	7052.
#2	.2956	2353.	-.9152	.3105	3.299	.0394	7049.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Li3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1

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Units	ppb	ppb	ppb	ppb			
Avge	2.133	1.421	-.9308	.2065	-.5039	2.369	.6517
SDev	.034	.667	.2065	1.590	.0011	.999	1.331
%RSD	1.606	46.94	22.18	770.1	.2108	42.18	204.2
#1	2.157	1.892	-.7848	-.9179	-.5032	3.076	-.2893
#2	2.108	.9492	-1.077	1.331	-.5047	1.662	1.593
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.7055	3.093	-2.950	21.44
SDev	2.1096	1.597	1.107	.55
%RSD	299.0	51.64	37.53	2.548
#1	-2.197	1.964	-2.167	21.83
#2	.7863	4.223	-3.733	21.06
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1188	--	--	--	--	--	--
SDev	.8432283	--	--	--	--	--	--
%RSD	.0710068	--	--	--	--	--	--
#1	1188	--	--	--	--	--	--
#2	1187	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183703-20X Operator:
Run Time: 02/18/00 22:34:24
Comment: 9158T2
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	35.90	.9943	2.837	-.0353	-.0246	164600.	.9340
SDev	.98	1.519	.049	.0019	.0329	18.	.3037
%RSD	2.723	152.8	1.722	5.247	134.1	.0110	32.51
#1	36.59	-.0799	2.872	-.0366	-.0478	164700.	1.149
#2	35.21	2.069	2.802	-.0340	-.0013	164600.	.7192
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0036	-.0177	27.66	956.1	.8601	-.0295	153.7

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SDev	.2018	.3702	8.10	.7	.0334	.1776	5.5
%RSD	5609.	2086.	29.28	.0752	3.884	601.2	3.608
#1	.1463	.2440	33.38	956.6	.8837	.0960	157.7
#2	-.1391	-.2795	21.93	955.6	.8364	-.1551	149.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Ti1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5141	884.5	-.9699	.0625	2.820	.3048	3601.
SDev	.1064	163.2	.4392	.0858	.032	.5126	3.
%RSD	20.69	18.45	45.29	137.3	1.127	168.2	.0875
#1	.4389	999.8	-1.280	.1231	2.843	-.0577	3599.
#2	.5893	769.1	-.6593	.0018	2.798	.6673	3603.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1.149	.1223	-1.075	.6623	.3882	-.0230	-.2252
SDev	.527	.4637	.067	.0813	1.966	.2863	.5076
%RSD	45.82	379.2	6.192	12.28	506.5	1245.	225.4
#1	1.521	.4502	-1.078	.7198	1.778	-.2255	.1338
#2	.7767	-.2056	-1.122	.6048	-1.002	.1795	-.5841
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	2.420	4.151	-3.693	11.04			
SDev	.773	1.265	.532	.58			
%RSD	31.93	30.48	14.40	5.265			
#1	1.874	5.045	-4.069	11.45			
#2	2.966	3.256	-3.317	10.63			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1195	--	--	--	--	--	--
SDev	2.473493	--	--	--	--	--	--
%RSD	.2069563	--	--	--	--	--	--

306924

#1	1193	--	--	--	--	--	--
#2	1197	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183814-2X Operator:
Run Time: 02/18/00 22:39:42
Comment: 5064S(P8)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14870.	8.536	78.90	.6544	-.4246	3617.	41.06
SDev	803.	.707	4.21	.0334	.1439	173.	2.19
%RSD	5.398	8.283	5.330	5.107	33.88	4.792	5.345
#1	15440.	8.036	81.88	.6781	-.5264	3739.	42.61
#2	14300.	9.036	75.93	.6308	-.3229	3494.	39.51
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.11	35.53	39850.	5492.	717.4	42.71	2141.
SDev	.69	2.11	2053.	275.	35.8	2.57	113.
%RSD	5.298	5.940	5.152	5.007	4.994	6.019	5.280
#1	13.60	37.02	41300.	5687.	742.8	44.52	2221.
#2	12.62	34.03	38400.	5298.	692.1	40.89	2061.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0900	103.9	-2.958	47.75	87.60	1.576	25.79
SDev	.4749	232.3	1.798	2.28	4.05	.021	1.18
%RSD	527.9	223.6	60.77	4.768	4.619	1.326	4.590
#1	-.4258	-60.40	-1.687	49.36	90.46	1.561	26.63
#2	.2459	268.2	-4.230	46.14	84.73	1.590	24.95
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	773.7	47.46	-2.177	-2.364	47.35	47.49	-1.992
SDev	39.3	1.87	.994	1.993	1.71	1.95	1.775
%RSD	5.083	3.943	45.68	84.31	3.621	4.100	89.12
#1	801.5	48.78	-1.474	-.9546	48.57	48.87	-.7366
#2	745.9	46.13	-2.880	-3.773	46.14	46.12	-3.247

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	8_2496			
Units				ppb			
Avge	-3.128	2.251	-4.398	2.631			
SDev	2.429	1.944	.521	.423			
%RSD	77.64	86.35	11.84	16.07			
#1	-1.411	3.625	-4.030	2.930			
#2	-4.846	.8765	-4.766	2.332			

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1222	--	--	--	--	--	--
SDev	6.239838	--	--	--	--	--	--
%RSD	.5107658	--	--	--	--	--	--
#1	1217	--	--	--	--	--	--
#2	1226	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183815-2X Operator:
Run Time: 02/18/00 22:44:59
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24060.	29.07	113.0	1.180	-.4676	7740.	54.83
SDev	1614.	4.25	7.1	.061	.1122	492.	3.27
%RSD	6.707	14.61	6.324	5.127	23.99	6.360	5.970
#1	25200.	32.07	118.0	1.223	-.5469	8088.	57.14
#2	22920.	26.07	107.9	1.137	-.3882	7392.	52.52
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.00	48.54	50290.	6344.	953.3	48.40	2290.
SDev	.82	3.62	3193.	407.	61.6	3.26	145.
%RSD	5.135	7.467	6.348	6.415	6.464	6.742	6.322
#1	16.58	51.10	52550.	6632.	996.8	50.71	2392.
#2	15.42	45.98	48040.	6056.	909.7	46.09	2187.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.

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Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1113	435.9	1.125	65.28	129.8	2.063	24.84
SDev	.3985	76.4	.468	4.18	8.0	.072	1.52
%RSD	357.9	17.52	41.61	6.410	6.191	3.468	6.102
#1	-.1704	489.9	1.456	68.24	135.5	2.012	25.91
#2	.3931	381.9	.7940	62.32	124.1	2.113	23.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	800.9	136.9	2.371	-2.021	132.3	139.2	.2360
SDev	49.9	7.6	2.520	.387	11.1	5.9	.0744
%RSD	6.225	5.562	106.3	19.17	8.420	4.207	31.53
#1	836.1	142.3	.5884	-1.747	140.1	143.4	.2886
#2	765.6	131.5	4.153	-2.295	124.4	135.1	.1834
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-6.560	-3.095	5.089	3.327			
SDev	1.014	2.454	2.554	.669			
%RSD	15.46	79.29	50.18	20.12			
#1	-5.843	-4.830	3.284	2.854			
#2	-7.277	-1.360	6.895	3.800			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1223	--	--	--	--	--	--
SDev	5.096831	--	--	--	--	--	--
%RSD	.4168200	--	--	--	--	--	--
#1	1219	--	--	--	--	--	--
#2	1226	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183818-2X Operator:
Run Time: 02/18/00 22:50:16
Comment: 5064S(PB)

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Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	35560.	21.36	348.8	1.566	-.0335	114000.	62.11
SDev	2551.	.09	24.9	.108	.1637	7625.	4.10
%RSD	7.175	.4419	7.125	6.922	488.6	6.689	6.603
#1	37360.	21.29	366.4	1.643	-.1493	119400.	65.01
#2	33760.	21.43	331.2	1.490	.0823	108600.	59.21
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.55	69.64	48270.	15590.	988.1	40.22	2493.
SDev	.94	4.81	3235.	1046.	67.3	2.09	166.
%RSD	5.662	6.909	6.703	6.709	6.811	5.187	6.658
#1	17.21	73.04	50550.	16330.	1036.	41.70	2610.
#2	15.89	66.23	45980.	14850.	940.5	38.75	2375.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7570	212.0	-.0259	80.71	340.2	4.094	571.2
SDev	.3735	81.9	2.4466	5.01	21.8	.235	39.9
%RSD	49.34	38.62	9445.	6.208	6.416	5.748	6.983
#1	.4928	154.1	1.704	84.26	355.6	4.261	599.4
#2	1.021	269.9	-1.756	77.17	324.8	3.928	543.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	1282.	549.5	.1108	-1.527	544.5	552.0	-1.773
SDev	88.	31.0	.1586	1.229	36.6	28.3	2.820
%RSD	6.865	5.646	143.1	80.52	6.717	5.119	159.0
#1	1344.	571.4	-.0013	-2.396	570.4	571.9	-3.767
#2	1220.	527.5	.2229	-.6575	518.7	532.0	.2206
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-1.053	-1.349	.8296	33.58
SDev	1.956	1.733	1.103	2.84

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%RSD	185.8	128.5	133.0	8.462
#1	.3303	-.1229	.0495	35.59
#2	-2.436	-2.574	1.610	31.57
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1221	--	--	--	--	--	--
SDev	.6932961	--	--	--	--	--	--
%RSD	.0567908	--	--	--	--	--	--
#1	1220	--	--	--	--	--	--
#2	1221	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183819-2X Operator:
Run Time: 02/18/00 22:55:34
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17350.	11.38	271.8	.9141	.3583	109600.	45.86
SDev	390.	1.46	5.3	.0253	.1450	1879.	.79
%RSD	2.245	12.83	1.965	2.764	40.47	1.714	1.730
#1	17620.	12.41	275.5	.9320	.4608	111000.	46.42
#2	17070.	10.34	268.0	.8963	.2557	108300.	45.30
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.64	78.73	48790.	39040.	1040.	45.67	2715.
SDev	.45	1.79	974.	749.	19.	.95	45.
%RSD	2.675	2.278	1.995	1.918	1.870	2.078	1.673
#1	16.96	80.00	49480.	39570.	1054.	46.34	2747.
#2	16.33	77.46	48100.	38510.	1026.	45.00	2683.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6237	149.5	-1.994	71.87	425.9	2.227	234.5
SDev	.5388	60.1	.922	1.62	7.4	.133	4.7
%RSD	86.38	40.16	46.23	2.259	1.745	5.976	1.984

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#1	.2427	107.1	-2.645	73.02	431.2	2.321	237.8
#2	1.005	192.0	-1.342	70.73	420.7	2.133	231.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	934.8	296.5	-.1221	-1.299	293.4	298.0	-.2332
SDev	19.2	6.4	.5326	.552	4.8	7.1	.8824
%RSD	2.056	2.145	436.0	42.51	1.643	2.392	378.4
#1	948.4	301.0	.2545	-1.690	296.8	303.0	-.8571
#2	921.2	292.0	-.4988	-.9089	290.0	292.9	.3907
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-3.455	-.6653	.1391	8.864
SDev	.109	2.5671	.4831	.472
%RSD	3.145	385.9	347.3	5.321
#1	-3.378	1.150	-.2025	9.197
#2	-3.532	-2.480	.4807	8.530
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1210	--	--	--	--	--	--
SDev	1.667639	--	--	--	--	--	--
%RSD	.1378724	--	--	--	--	--	--
#1	1208	--	--	--	--	--	--
#2	1211	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV6 Operator:
Run Time: 02/18/00 23:00:51
Comment: 915872
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	248000.	4916.	9843.	983.1	2494.	124200.	4947.
SDev	264.	16.	7.	.1	1.	27.	3.
%RSD	.1066	.3235	.0730	.0103	.0396	.0216	.0627
#1	248200.	4927.	9848.	983.0	2495.	124200.	4949.

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#2	247900.	4905.	9838.	983.1	2494.	124200.	4945.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Ca2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2456.	12460.	97830.	122500.	4969.	2469.	50780.
SDev	1.	2.	113.	32.	.	3.	50.
%RSD	.0590	.0153	.1154	.0264	.0029	.1131	.0977
#1	2457.	12450.	97910.	122500.	4969.	2471.	50810.
#2	2455.	12460.	97750.	122400.	4968.	2467.	50740.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1229.	124800.	4896.	2489.	2479.	2506.	4863.
SDev	1.	57.	10.	.	1.	3.	1.
%RSD	.0565	.0453	.1995	.0163	.0367	.1338	.0110
#1	1229.	124800.	4903.	2489.	2480.	2504.	4864.
#2	1228.	124800.	4889.	2489.	2479.	2509.	4863.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	5520.
Low	1120.	112000.	4478.	2239.	2239.	2239.	4478.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9773.	9877.	4916.	975.5	9875.	9877.	971.9
SDev	8.	33.	5.	.9	34.	33.	.0
%RSD	.0776	.3373	.0974	.0875	.3467	.3326	.0027
#1	9779.	9853.	4913.	974.9	9851.	9854.	971.9
#2	9768.	9900.	4919.	976.1	9899.	9901.	971.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	11040.	11040.	5520.	1104.			
Low	8960.	8960.	4478.	896.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	982.6	4908.	4920.	1005.
SDev	2.5	9.	3.	.
%RSD	.2555	.1804	.0561	.0473
#1	980.9	4902.	4918.	1006.
#2	984.4	4914.	4922.	1005.
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1104.
Low				896.0

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1184	--	--	--	--	--	--
SDev	3.316635	--	--	--	--	--	--
%RSD	.2801321	--	--	--	--	--	--
#1	1182	--	--	--	--	--	--
#2	1186	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB6 Operator:
Run Time: 02/18/00 23:06:09
Comment: 915812
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40.82	1.879	.9352	.1225	.2591	13.98	.4215
SDev	6.86	.377	.1652	.0188	.2186	2.46	.4303
%RSD	16.81	20.08	17.66	15.32	84.39	17.58	102.1
#1	45.67	2.146	1.052	.1357	.4136	15.72	.7258
#2	35.97	1.612	.8184	.1092	.1045	12.24	.1173
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1892	1.310	11.22	14.26	.4370	.0135	144.4
SDev	.3061	.726	5.71	.01	.0413	.4164	25.0
%RSD	161.8	55.42	50.89	.0521	9.454	3077.	17.30
#1	.0272	1.824	15.26	14.26	.4663	.3080	162.0
#2	-.4057	.7968	7.184	14.25	.4078	-.2809	126.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1968	-492.0	-1.734	.1556	1.942	3.323	.3402
SDev	.0714	55.8	.630	.4823	.142	1.079	.0797
%RSD	36.25	11.34	36.31	309.9	7.331	32.47	23.43
#1	.2473	-452.6	-2.179	.4966	2.042	4.086	.3965
#2	.1464	-531.4	-1.289	-.1854	1.841	2.560	.2838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1

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Units	ppb	ppb	ppb	ppb			
Avge	1.517	1.768	.7775	2.019	1.761	1.762	1.978
SDev	.994	.195	2.707	1.008	.127	.356	2.189
%RSD	65.54	11.01	348.2	49.94	7.223	20.18	110.7
#1	2.221	1.630	2.692	1.306	1.851	1.510	.4297
#2	.8143	1.906	-1.137	2.732	1.671	2.013	3.525
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	2.081	5.855	-1.767	.8677
SDev	1.357	1.934	3.093	.1513
%RSD	65.17	33.03	175.0	17.45
#1	3.041	7.222	.4198	.9742
#2	1.122	4.487	-3.954	.7602
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				15.00
Low				-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1203	--	--	--	--	--	--
SDev	15.40288	--	--	--	--	--	--
%RSD	1.280689	--	--	--	--	--	--
#1	1192	--	--	--	--	--	--
#2	1214	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183820-2X Operator:
Run Time: 02/18/00 23:11:26
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21980.	10.83	224.1	.9668	-.0735	5302.	45.73
SDev	409.	.97	3.9	.0026	.0044	75.	.99
%RSD	1.862	8.927	1.761	.2709	6.032	1.407	2.167
#1	22270.	11.51	226.8	.9687	-.0703	5355.	46.43
#2	21690.	10.15	221.3	.9650	-.0766	5249.	45.03
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.52	58.01	43150.	5446.	927.4	42.60	1970.

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SDev	.27	1.03	636.	69.	13.8	.26	31.
%RSD	1.717	1.783	1.473	1.261	1.489	.6007	1.558
#1	15.71	58.74	43600.	5494.	937.2	42.78	1992.
#2	15.33	57.28	42700.	5397.	917.7	42.42	1948.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2713	-83.00	-1.224	60.55	174.1	2.060	35.98
SDev	.0319	62.12	2.760	1.04	2.5	.252	.56
%RSD	11.76	74.84	225.4	1.710	1.433	12.24	1.570
#1	.2488	-126.9	-3.176	61.29	175.9	2.238	36.38
#2	.2939	-39.08	.7272	59.82	172.4	1.882	35.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	844.3	289.8	-1.510	1.966	285.7	291.9	3.337
SDev	13.3	4.4	.729	1.779	13.1	.0	1.529
%RSD	1.579	1.505	48.30	90.48	4.578	.0045	45.82
#1	853.8	292.9	-2.026	.7082	294.9	291.9	2.256
#2	834.9	286.8	-.9942	3.224	276.4	291.9	4.418
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-.7981	-2.855	-.8479	4.255			
SDev	2.2807	2.543	.1763	.370			
%RSD	285.8	89.06	20.79	8.697			
#1	-2.411	-4.654	-.7233	4.516			
#2	.8146	-1.057	-.9725	3.993			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1226	--	--	--	--	--	--
SDev	2.079888	--	--	--	--	--	--
%RSD	.1697167	--	--	--	--	--	--

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#1	1224	--	--	--	--	--	--
#2	1227	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183821-2X Operator:
Run Time: 02/18/00 23:16:44
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17570.	6.750	147.7	.8138	-.2390	4694.	40.36
SDev	859.	2.671	8.0	.0216	.0235	243.	2.50
%RSD	4.890	39.58	5.398	2.658	9.836	5.181	6.194
#1	18180.	8.639	153.3	.8291	-.2224	4866.	42.12
#2	16970.	4.861	142.0	.7985	-.2556	4522.	38.59
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17.61	52.83	39520.	5495.	927.2	45.05	2320.
SDev	.85	2.40	2026.	263.	47.3	2.52	110.
%RSD	4.830	4.536	5.127	4.787	5.099	5.593	4.762
#1	18.21	54.53	40960.	5681.	960.6	46.83	2398.
#2	17.00	51.14	38090.	5309.	893.8	43.27	2242.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4887	47.63	-.8631	54.96	144.7	1.008	32.36
SDev	.6417	245.1	3.0415	2.83	7.0	.224	1.78
%RSD	131.3	514.6	352.4	5.154	4.810	22.21	5.499
#1	.9425	220.9	-3.014	56.96	149.6	.8501	33.61
#2	.0349	-125.7	1.288	52.95	139.8	1.167	31.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	794.5	91.52	-1.929	-1.139	88.13	93.20	-1.286
SDev	40.2	3.76	.350	2.644	3.97	3.65	2.468
%RSD	5.064	4.107	18.17	232.2	4.507	3.921	192.0
#1	823.0	94.18	-1.681	.7309	90.94	95.79	.4597
#2	766.1	88.86	-2.176	-3.009	85.32	90.62	-3.031

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-.8651	-1.678	-2.064	2.439			
SDev	2.9973	2.337	.642	.770			
%RSD	346.5	139.3	31.09	31.58			
#1	1.254	-.0251	-2.517	1.894			
#2	-2.985	-3.330	-1.610	2.983			

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1219	--	--	--	--	--	--
SDev	3.241712	--	--	--	--	--	--
%RSD	.2659581	--	--	--	--	--	--
#1	1217	--	--	--	--	--	--
#2	1221	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183823-2X Operator:
Run Time: 02/18/00 23:22:01
Comment: 5064S(PR)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18330.	12.53	329.9	1.242	-.1443	45180.	53.61
SDev	2111.	2.86	38.0	.117	.0761	5036.	5.99
%RSD	11.52	22.82	11.52	9.449	52.78	11.15	11.17
#1	19820.	14.55	356.8	1.325	-.0904	48740.	57.85
#2	16840.	10.50	303.1	1.159	-.1981	41610.	49.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.24	79.28	55500.	7275.	1143.	39.11	2941.
SDev	2.37	9.74	6346.	816.	129.	4.23	345.
%RSD	11.70	12.29	11.43	11.22	11.26	10.80	11.75
#1	21.91	86.17	59990.	7852.	1234.	42.10	3185.
#2	18.56	72.39	51010.	6698.	1052.	36.12	2697.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.

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Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5585	524.3	-1.385	83.50	375.1	2.499	224.1
SDev	.2643	179.0	.787	10.12	41.7	.308	25.8
%RSD	47.32	34.13	56.84	12.12	11.12	12.31	11.53
#1	.3716	650.8	-.8281	90.65	404.6	2.717	242.3
#2	.7454	397.7	-1.941	76.34	345.6	2.282	205.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900
Elem	Fe3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	971.6	349.9	.1715	.1246	342.1	353.7	.8260
SDev	110.7	33.1	.3949	.1572	38.4	30.4	.5470
%RSD	11.39	9.460	230.2	126.1	11.23	8.604	66.23
#1	1050.	373.3	.4507	.0135	369.3	375.2	.4392
#2	893.3	326.5	-.1077	.2357	314.9	332.2	1.213
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-1.300	.7573	-.1306	7.048			
SDev	.623	.5508	.8668	.970			
%RSD	47.96	72.73	663.7	13.77			
#1	-.8590	.3678	.4823	7.734			
#2	-1.740	1.147	-.7435	6.362			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				5000.			
Low				-4.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1243	--	--	--	--	--	--
SDev	28.93199	--	--	--	--	--	--
%RSD	2.328520	--	--	--	--	--	--
#1	1222	--	--	--	--	--	--
#2	1263	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183528-2X Operator:
Run Time: 02/18/00 23:27:20
Comment: 5064S(P8)

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Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12720.	5.046	99.17	.4339	-.0745	13990.	28.51
SDev	551.	.702	3.76	.0462	.0812	544.	1.47
%RSD	4.334	13.92	3.795	10.65	109.0	3.890	5.139
#1	13110.	4.550	101.8	.4666	-.0171	14370.	29.54
#2	12330.	5.543	96.51	.4012	-.1319	13600.	27.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.385	681.8	15900.	1234.	105.7	11.80	1080.
SDev	.199	25.9	616.	47.	4.2	.90	27.
%RSD	5.866	3.801	3.877	3.817	3.939	7.612	2.534
#1	3.525	700.2	16330.	1267.	108.6	12.44	1099.
#2	3.244	663.5	15460.	1201.	102.7	11.16	1061.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1527	131.8	-1.655	22.73	110.2	2.323	33.00
SDev	.1483	116.0	1.059	.92	.2	.342	1.29
%RSD	97.14	87.98	63.98	4.038	.1743	14.73	3.896
#1	-.0478	49.81	-.9064	23.38	110.0	2.565	33.91
#2	-.2576	213.8	-2.404	22.09	110.3	2.081	32.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	217.9	90.59	-1.166	-.0044	89.96	90.89	.3761
SDev	9.1	3.43	.743	.2140	3.33	3.49	.0679
%RSD	4.169	3.789	63.72	4906.	3.696	3.836	18.05
#1	224.4	93.02	-1.691	.1470	92.31	93.36	.4241
#2	211.5	88.16	-.6405	-.1557	87.61	88.43	.3281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	-.7862	-4.268	.3733	15.73
SDev	.5068	3.854	3.038	1.00

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%RSD	64.46	90.30	813.7	6.391
#1	-.4278	-1.543	-1.775	16.44
#2	-1.145	-6.993	2.521	15.02
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1215	--	--	--	--	--	--
SDev	3.579037	--	--	--	--	--	--
%RSD	.2944847	--	--	--	--	--	--
#1	1218	--	--	--	--	--	--
#2	1213	--	--	--	--	--	--

Method: 1_SW846 Sample Name: 183807-2X Operator:
Run Time: 02/18/00 23:32:38
Comment: 5064S(P8)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15580.	10.09	246.1	.5367	1.567	13650.	120.3
SDev	908.	1.22	13.7	.0348	.076	723.	6.9
%RSD	5.825	12.12	5.584	6.486	4.874	5.299	5.701
#1	16220.	10.96	255.8	.5614	1.621	14160.	125.1
#2	14940.	9.225	236.4	.5121	1.513	13130.	115.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.204	111.0	47840.	4035.	309.1	110.0	1841.
SDev	.121	5.8	2582.	214.	16.7	5.7	88.
%RSD	1.476	5.237	5.398	5.308	5.417	5.140	4.760
#1	8.290	115.2	49660.	4186.	321.0	114.0	1903.
#2	8.118	106.9	46010.	3884.	297.3	106.0	1779.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.487	172.6	-1.849	39.41	931.5	9.609	63.83
SDev	.151	31.2	3.340	2.46	50.4	.073	3.63
%RSD	10.13	18.06	180.6	6.230	5.407	.7565	5.682

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#1	1.593	150.6	-4.211	41.15	967.1	9.557	66.40
#2	1.380	194.7	.5126	37.67	895.9	9.660	61.27

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	10000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-2.900

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	427.1	708.5	-.6364	.2904	705.0	710.3	.3184
SDev	23.2	30.6	.9824	.0298	43.3	24.3	.9418
%RSD	5.435	4.317	154.4	10.27	6.135	3.416	295.8

#1	443.6	730.2	-1.331	.2693	735.6	727.5	-.3476
#2	410.7	686.9	.0583	.3115	674.4	693.2	.9843

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	100000.	20000.	10000.	2000.			
Low	-10.00	-2.900	-4.900	-15.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	.2145	-.5537	-.6877	45.90
SDev	1.797	1.1124	.9175	2.19
%RSD	837.8	200.9	133.4	4.777

#1	1.485	-1.340	-1.336	47.45
#2	-1.056	.2329	-.0388	44.35

Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				5000.
Low				-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1209	--	--	--	--	--	--
SDev	1.555255	--	--	--	--	--	--
%RSD	.1286487	--	--	--	--	--	--

#1	1210	--	--	--	--	--	--
#2	1208	--	--	--	--	--	--

Method: 1_SW846 Sample Name: ICSA3 Operator:
Run Time: 02/18/00 23:37:55
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	500700.	1.848	1.275	-.0616	-.4133	465600.	1.199
SDev	513.	4.143	.000	.0072	.0850	216.	.418
%RSD	.1024	224.2	.0275	11.64	20.56	.0464	34.87

#1	500300.	4.777	1.275	-.0667	-.3533	465700.	1.495

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#2	501100.	-1.081	1.275	-.0565	-.4734	465400.	.9035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.9277	-1.851	192500.	506100.	1.102	1.276	105.3
SDev	.1684	.047	359.	186.	.030	.333	2.1
%RSD	18.15	2.540	.1862	.0368	2.762	26.13	2.001
#1	-.8086	-1.818	192800.	506200.	1.124	1.040	106.8
#2	-1.047	-1.884	192300.	505900.	1.081	1.512	103.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3402	-402.3	-8.773	.4511	-1.734	-.5485	-1.448
SDev	.7390	9.5	1.421	.2781	.122	.2459	.045
%RSD	217.2	2.372	16.19	61.64	7.014	44.83	3.113
#1	.8627	-395.6	-7.769	.6478	-1.820	-.3746	-1.480
#2	-.1824	-409.1	-9.778	.2545	-1.648	-.7224	-1.417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	50.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-50.00
Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	.5333	-2.485	-4.247	-9.622	-19.83	6.160	-7.550
SDev	.9450	.196	1.077	4.204	.34	.125	2.850
%RSD	177.2	7.871	25.36	43.69	1.695	2.036	37.75
#1	1.201	-2.346	-3.485	-12.59	-19.59	6.248	-9.565
#2	-.1349	-2.623	-5.009	-6.649	-20.06	6.071	-5.535
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	20.00	5.000	10.00	10.00			
Low	-20.00	-5.000	-10.00	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	-13.79	-.0545	-6.350	-2.594			
SDev	6.92	5.6339	1.198	.097			
%RSD	50.14	10340.	18.86	3.735			
#1	-18.68	3.929	-7.197	-2.662			
#2	-8.903	-4.038	-5.503	-2.525			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-15.00			

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1157	--	--	--	--	--	--
SDev	.2248551	--	--	--	--	--	--
%RSD	.0194296	--	--	--	--	--	--
#1	1157	--	--	--	--	--	--
#2	1157	--	--	--	--	--	--

Method: I_SW846 Sample Name: ICSA83 Operator:
Run Time: 02/18/00 23:43:13
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	498500.	101.5	104.6	95.19	94.68	456200.	99.07
SDev	273.	4.1	.1	.02	.20	133.	.35
%RSD	.0547	4.032	.0792	.0228	.2063	.0291	.3550
#1	498700.	104.4	104.7	95.21	94.82	456300.	99.32
#2	498300.	98.59	104.6	95.18	94.55	456100.	98.82
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	92.77	102.8	188300.	493400.	98.21	95.44	11340.
SDev	.11	.5	333.	148.	.02	.07	5.
%RSD	.1144	.5274	.1769	.0300	.0183	.0778	.0413
#1	92.85	103.2	188600.	493500.	98.23	95.50	11340.
#2	92.70	102.4	188100.	493300.	98.20	95.39	11340.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	103.4	10340.	87.65	100.2	99.01	95.67	103.5
SDev	.3	72.	3.40	.0	.06	1.17	.1
%RSD	.2834	.6926	3.877	.0127	.0602	1.222	.1219
#1	103.2	10290.	85.25	100.2	98.96	96.50	103.6
#2	103.6	10400.	90.05	100.2	99.05	94.84	103.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1

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Units	ppb	ppb	ppb	ppb			
Avge	95.42	92.53	93.09	93.39	67.36	105.1	95.70
SDev	.06	2.35	2.08	2.39	1.31	2.9	3.88
%RSD	.0675	2.544	2.233	2.560	1.946	2.735	4.058
#1	95.37	90.87	94.56	91.69	66.44	103.1	92.95
#2	95.46	94.20	91.62	95.08	68.29	107.1	98.44
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	120.0	120.0	120.0	120.0			
Low	80.00	80.00	80.00	80.00			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	88.73	90.23	94.50	99.92
SDev	.60	4.77	.74	.34
%RSD	.6749	5.287	.7779	.3403
#1	89.15	93.61	95.02	99.68
#2	88.31	86.86	93.98	100.2
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				120.0
Low				80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1132	--	--	--	--	--	--
SDev	2.267368	--	--	--	--	--	--
%RSD	.2003373	--	--	--	--	--	--
#1	1130	--	--	--	--	--	--
#2	1133	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCV7 Operator:
Run Time: 02/18/00 23:48:31
Comment: 5064S(P8)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	250100.	4954.	9869.	988.0	2509.	124900.	4970.
SDev	194.	26.	2.	3.8	10.	179.	11.
%RSD	.0775	.5302	.0247	.3829	.4153	.1435	.2176
#1	249900.	4972.	9870.	990.7	2517.	125000.	4978.
#2	250200.	4935.	9867.	985.3	2502.	124700.	4963.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2467.	12510.	98070.	123000.	4994.	2482.	51030.

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SDev	6.	19.	47.	236.	13.	8.	119.
%RSD	.2507	.1555	.0484	.1923	.2537	.3420	.2327
#1	2472.	12520.	98100.	123200.	5003.	2488.	50950.
#2	2463.	12500.	98040.	122800.	4985.	2476.	51110.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1232.	125300.	4921.	2501.	2493.	2515.	4882.
SDev	.	138.	8.	11.	7.	1.	4.
%RSD	.0202	.1098	.1666	.4254	.2790	.0483	.0733
#1	1232.	125200.	4927.	2509.	2497.	2516.	4885.
#2	1232.	125400.	4915.	2494.	2488.	2515.	4880.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	5520.
Low	1120.	112000.	4478.	2239.	2239.	2239.	4478.

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	9808.	9993.	4960.	982.6	9964.	10010.	980.4
SDev	6.	42.	32.	3.4	72.	27.	.5
%RSD	.0610	.4180	.6461	.3481	.7186	.2686	.0551
#1	9812.	10020.	4982.	985.0	10020.	10030.	980.7
#2	9803.	9964.	4937.	980.2	9914.	9989.	980.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	11040.	11040.	5520.	1104.			
Low	8960.	8960.	4478.	896.0			

Elem	2068/2	1960/1	1960/2	B_2496
Units				ppb
Avge	987.1	4931.	4974.	1011.
SDev	9.2	57.	19.	2.
%RSD	.9311	1.160	.3916	.1757
#1	993.6	4972.	4987.	1013.
#2	980.6	4891.	4960.	1010.
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass
High				1104.
Low				896.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1183	--	--	--	--	--	--
SDev	5.752666	--	--	--	--	--	--
%RSD	.4861036	--	--	--	--	--	--

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#1	1179	--	--	--	--	--	--
#2	1187	--	--	--	--	--	--

Method: 1_SW846 Sample Name: CCB7 Operator:
Run Time: 02/18/00 23:53:48
Comment: 5064S(PB)
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44.60	-1.072	.7710	.1129	.1540	29.33	.1725
SDev	14.29	2.646	.1571	.0542	.0789	5.27	.1099
%RSD	32.04	246.7	20.38	48.04	51.21	17.97	63.72
#1	54.71	-2.944	.8821	.0745	.2098	33.06	.2502
#2	34.49	.7987	.6600	.1512	.0983	25.60	.0948
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0654	.8404	24.45	32.61	.3157	-.3577	63.43
SDev	.2511	.5084	5.27	9.17	.0751	.0089	93.86
%RSD	383.8	60.49	21.57	28.13	23.80	2.479	148.0
#1	-.2430	1.200	28.18	39.09	.3688	-.3640	129.8
#2	.1121	.4809	20.72	26.12	.2625	-.3514	-2.940
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	Sr4215
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5586	-499.5	-.0186	.5238	1.724	3.431	.2716
SDev	1.259	318.6	.1045	.8939	.070	.916	.0942
%RSD	225.4	63.78	560.6	170.7	4.075	26.70	34.69
#1	-.3318	-724.8	-.0925	-.1083	1.774	4.079	.3382
#2	1.449	-274.2	.0552	1.156	1.674	2.783	.2050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	5.000
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-3.000

Elem	Ti3349	Pb2203	Se1960	Sb2068	2203/1	2203/2	2068/1
Units	ppb	ppb	ppb	ppb			
Avge	2.041	-.6316	1.303	1.502	.2151	-1.066	1.462
SDev	1.390	.5851	.224	.221	1.703	1.732	.508
%RSD	68.10	92.65	17.16	14.74	791.8	162.4	34.77
#1	1.058	-1.045	1.461	1.658	1.419	-2.291	1.103
#2	3.023	-.2178	1.144	1.345	-.9892	.1582	1.822

306945

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK
High	5.000	3.000	5.000	10.00			
Low	-5.000	-3.000	-5.000	-10.00			
Elem	2068/2	1960/1	1960/2	B_2496			
Units				ppb			
Avge	1.562	2.791	.5499	.9012			
SDev	1.682	1.555	.4420	.2846			
%RSD	107.7	55.73	80.39	31.59			
#1	2.751	3.891	.2373	.6999			
#2	.3725	1.691	.8624	1.102			
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass			
High				15.00			
Low				-9.900			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Plan	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1264	--	--	--	--	--	--
SDev	80.94957	--	--	--	--	--	--
%RSD	6.403582	--	--	--	--	--	--
#1	1207	--	--	--	--	--	--
#2	1321	--	--	--	--	--	--

306946

File : 9151AHG1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1		3		1.0	02/17/00	11:34:18	
2	STD2		3		1.0	02/17/00	11:36:35	
3	STD3		3		1.0	02/17/00	11:39:01	
4	STD4		3		1.0	02/17/00	11:41:18	
5	STD5		3		1.0	02/17/00	11:43:35	
6	STD6		3		1.0	02/17/00	11:45:48	
7	AICV/ACCV1		0		1.0	02/17/00	11:49:10	
8	ICB/CCB1		0		1.0	02/17/00	11:51:23	
9	PBS021700		0		1.0	02/17/00	11:53:56	
10	BSS021700		0		1.0	02/17/00	11:56:07	
11	LCSS-242		0		2.0	02/17/00	11:58:58	
12	LCSS-242-D		0		2.0	02/17/00	12:01:10	
13	183699		0		1.0	02/17/00	12:03:29	
14	183699D		0		1.0	02/17/00	12:05:49	
15	183699MS		0		1.0	02/17/00	12:08:31	
16	183699MSD		0		1.0	02/17/00	12:10:50	
17	183701		0		1.0	02/17/00	12:13:01	
18	183703		0		1.0	02/17/00	12:15:16	
19	ACCV2		0		1.0	02/17/00	12:17:47	
20	CCB2		0		1.0	02/17/00	12:20:19	
21	183814		0		1.0	02/17/00	12:22:49	
22	183815		0		1.0	02/17/00	12:25:10	
23	183818		0		1.0	02/17/00	12:27:17	
24	183819		0		1.0	02/17/00	12:29:27	
25	183820		0		1.0	02/17/00	12:31:36	
26	183821		0		1.0	02/17/00	12:34:04	
27	183823		0		1.0	02/17/00	12:36:14	
28	183528		0		1.0	02/17/00	12:38:43	
29	183807		0		1.0	02/17/00	12:40:56	
30	ACCV3		0		1.0	02/17/00	12:43:16	
31	CCB3		0		1.0	02/17/00	12:46:40	

306947

12:59:36 17 Feb 2000 Folder: 9151AHG1 Protocol: SW846 02/17/00 Page 1

POST-RUN REPORT

LEEMAN Hd

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq: 2		11:34:18 17 Feb 2000 HG		
Hg	.000	ppb	5298					
*** Standard: 2 Rep: 1				Seq: 3		11:36:35 17 Feb 2000 HG		
Hg	.100	ppb	16294					
*** Standard: 3 Rep: 1				Seq: 4		11:39:01 17 Feb 2000 HG		
Hg	1.00	ppb	125422					
*** Standard: 4 Rep: 1				Seq: 5		11:41:18 17 Feb 2000 HG		
Hg	2.00	ppb	240550					
*** Standard: 5 Rep: 1				Seq: 6		11:43:35 17 Feb 2000 HG		
Hg	5.00	ppb	584720					
*** Standard: 6 Rep: 1				Seq: 7		11:45:48 17 Feb 2000 HG		
Hg	10.0	ppb	1198725					

306948

RunProt: SW846 Hg analysis in the ppb range

RunFold: 9151AHG1 Seq: 8 Batch:

Prnt: R/T On Pump: On

Rev: 4.2 Xmit: Off Gas: 0.70 LPM

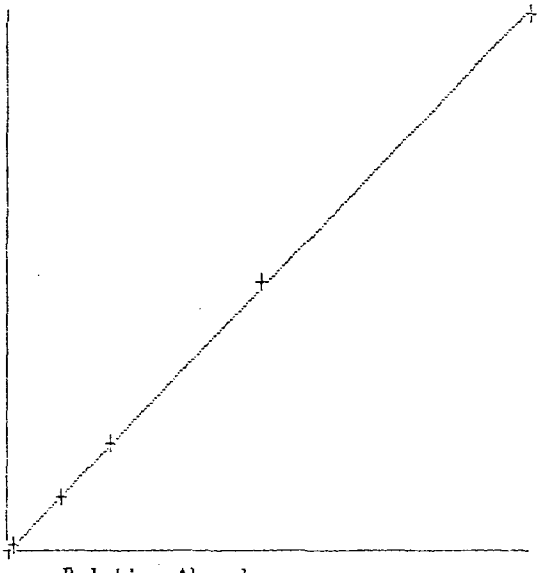
State: Idle Macro SW846A 16: F3 Print User: A/S: On

CALIBRATION: Line proto: SW846

	Hg Conc.	Calc.	Dev.	Accepted -X linear MP
S1	.000	.020	.020	Quadratic
S2	.100	.112	.012	Wtdlinear
S3	1.00	1.03	.030	
S4	2.00	2.00	-.003	Accept
S5	5.00	4.89	-.110	
S6	10.0	10.1	.051	

A .0000000 r .999893

B 8.40513e-6 C -2.46008e-2



	Mean		
S1	5298	0 SD	5298
S2	16294	0 %RSD	16294
S3	125422	0 %RSD	125422
S4	240550	0 %RSD	240550
S5	584720	0 %RSD	584720
S6	1198725	0 %RSD	1198725

New cal coefficients stored

306949

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

*** Check Standard: 3 Ck3ICV/CCV Seq: 8 11:49:10 17 Feb 2000 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.6	4.98	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 9 11:51:23 17 Feb 2000 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.003	.100	ppb	.000

*** Sample ID: PBS021700 Seq: 10 11:53:56 17 Feb 2000 HG

Hg .017 ppb .000 .017

*** Sample ID: BSS021700 Seq: 11 11:56:07 17 Feb 2000 HG

Hg 1.01 ppb .000 1.01

*** Sample ID: LCSS-242 Seq: 12 11:58:58 17 Feb 2000 HG

2X
Hg 3.69 ppb .000 3.69

*** Sample ID: LCSS-242-D Seq: 13 12:01:10 17 Feb 2000 HG

2X
Hg 3.73 ppb .000 3.73

*** Sample ID: 183699 Seq: 14 12:03:29 17 Feb 2000 HG

Hg .157 ppb .000 .157

*** Sample ID: 183699D Seq: 15 12:05:49 17 Feb 2000 HG

Hg .147 ppb .000 .147

*** Sample ID: 183699MS Seq: 16 12:08:31 17 Feb 2000 HG

Hg 1.04 ppb .000 1.04

*** Sample ID: 183699MSD Seq: 17 12:10:50 17 Feb 2000 HG

Hg 1.05 ppb .000 1.05

*** Sample ID: 183701 Seq: 18 12:13:01 17 Feb 2000 HG

Hg 1.19 ppb .000 1.19

*** Sample ID: 183703 Seq: 19 12:15:16 17 Feb 2000 HG

Hg .019 ppb .000 .019

306950

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

*** Check Standard: 2 Ck2 ACCV Seq: 20 12:17:47 17 Feb 2000 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.9	4.99	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 21 12:20:19 17 Feb 2000 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.007	.100	ppb	.000

*** Sample ID: 183814 Seq: 22 12:22:49 17 Feb 2000 HG

Hg .086 ppb .000 .086

*** Sample ID: 183815 Seq: 23 12:25:10 17 Feb 2000 HG

Hg .341 ppb .000 .341

*** Sample ID: 183818 Seq: 24 12:27:17 17 Feb 2000 HG

Hg 2.04 ppb .000 2.04

*** Sample ID: 183819 Seq: 25 12:29:27 17 Feb 2000 HG

Hg 1.64 ppb .000 1.64

*** Sample ID: 183820 Seq: 26 12:31:36 17 Feb 2000 HG

Hg .271 ppb .000 .271

*** Sample ID: 183821 Seq: 27 12:34:04 17 Feb 2000 HG

Hg .166 ppb .000 .166

*** Sample ID: 183823 Seq: 28 12:36:14 17 Feb 2000 HG

Hg 1.52 ppb .000 1.52

*** Sample ID: 183528 Seq: 29 12:38:43 17 Feb 2000 HG

Hg .558 ppb .000 .558

*** Sample ID: 183807 Seq: 30 12:40:56 17 Feb 2000 HG

Hg 1.68 ppb .000 1.68

*** Check Standard: 2 Ck2 ACCV Seq: 31 12:43:16 17 Feb 2000 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.7	4.94	5.00	ppb	.000

306951

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

*** Check Standard: 1 Ck1 CCB Seq: 32 12:46:40 17 Feb 2000 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.015	.100	ppb	.000

306952

13:00:05 17 Feb 2000 Protocol: SW846

POST-RUN REPORT

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

*** Standard: 1 Rep: 1 Seq: 2 11:34:18 17 Feb 2000 HG

Hg .000 ppb 5298

*** Standard: 2 Rep: 1 Seq: 3 11:36:35 17 Feb 2000 HG

Hg .100 ppb 16294

*** Standard: 3 Rep: 1 Seq: 4 11:39:01 17 Feb 2000 HG

Hg 1.00 ppb 125422

*** Standard: 4 Rep: 1 Seq: 5 11:41:18 17 Feb 2000 HG

Hg 2.00 ppb 240550

*** Standard: 5 Rep: 1 Seq: 6 11:43:35 17 Feb 2000 HG

Hg 5.00 ppb 584720

*** Standard: 6 Rep: 1 Seq: 7 11:45:48 17 Feb 2000 HG

Hg 10.0 ppb 1198725

*** Check Standard: 3 Ck3ICV/CCV Seq: 8 11:49:10 17 Feb 2000 HG
Line Flag Intensities
Hg 595313

*** Check Standard: 1 Ck1 CCB Seq: 9 11:51:23 17 Feb 2000 HG
Line Flag Intensities
Hg 3289

*** Sample ID: PBS021700 Seq: 10 11:53:56 17 Feb 2000 HG

Hg .017 ppb 4936

*** Sample ID: BSS021700 Seq: 11 11:56:07 17 Feb 2000 HG

Hg 1.01 ppb 122881

*** Sample ID: LCSS-242 Seq: 12 11:58:58 17 Feb 2000 HG
2X
Hg 3.69 ppb 441408

*** Sample ID: LCSS-242-D Seq: 13 12:01:10 17 Feb 2000 HG
2X
Hg 3.73 ppb 446239

306953

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 183699				Seq: 14	12:03:29 17 Feb 2000 HG			
Hg	.157	ppb	21562					
*** Sample ID: 183699D				Seq: 15	12:05:49 17 Feb 2000 HG			
Hg	.147	ppb	20429					
*** Sample ID: 183699MS				Seq: 16	12:08:31 17 Feb 2000 HG			
Hg	1.04	ppb	127040					
*** Sample ID: 183699MSD				Seq: 17	12:10:50 17 Feb 2000 HG			
Hg	1.05	ppb	127502					
*** Sample ID: 183701				Seq: 18	12:13:01 17 Feb 2000 HG			
Hg	1.19	ppb	144955					
*** Sample ID: 183703				Seq: 19	12:15:16 17 Feb 2000 HG			
Hg	.019	ppb	5141					
*** Check Standard: 2			Ck2 ACCV	Seq: 20	12:17:47 17 Feb 2000 HG			
Line	Flag		Intensities					
Hg			597031					
*** Check Standard: 1			Ck1 CCB	Seq: 21	12:20:19 17 Feb 2000 HG			
Line	Flag		Intensities					
Hg			3789					
*** Sample ID: 183814				Seq: 22	12:22:49 17 Feb 2000 HG			
Hg	.086	ppb	13117					
*** Sample ID: 183815				Seq: 23	12:25:10 17 Feb 2000 HG			
Hg	.341	ppb	43510					
*** Sample ID: 183818				Seq: 24	12:27:17 17 Feb 2000 HG			
Hg	2.04	ppb	245527					
*** Sample ID: 183819				Seq: 25	12:29:27 17 Feb 2000 HG			
Hg	1.64	ppb	198227					

306954

13:00:06 17 Feb 2000 Protocol: SW846

POST-RUN REPORT

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

*** Sample ID: 183820 Seq: 26 12:31:36 17 Feb 2000 HG

Hg	.271	ppb	35190

*** Sample ID: 183821 Seq: 27 12:34:04 17 Feb 2000 HG

Hg	.166	ppb	22692

*** Sample ID: 183823 Seq: 28 12:36:14 17 Feb 2000 HG

Hg	1.52	ppb	184182

*** Sample ID: 183528 Seq: 29 12:38:43 17 Feb 2000 HG

Hg	.558	ppb	69357

*** Sample ID: 183807 Seq: 30 12:40:56 17 Feb 2000 HG

Hg	1.68	ppb	202643

*** Check Standard: 2 Ck2 ACCV Seq: 31 12:43:16 17 Feb 2000 HG

Line	Flag	Intensities
Hg		590102

*** Check Standard: 1 Ck1 CCB Seq: 32 12:46:40 17 Feb 2000 HG

Line	Flag	Intensities
Hg		4669

306955

PROJECT TJA GIE ICP Trace / Run Log

Notebook No. 01558

Continued From Page

Element: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn, B, Mo, P, Sn, Ti

Batch#: 9158T1 & 9151T2

Date: 2/18/00

File : 9158T1.WSL, 9151T2

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1-BLANK		3		1.0	02/18/00	17:43:00	
2	STD2		3		1.0	02/18/00	17:48:00	
3	STD3		3		1.0	02/18/00	17:53:00	
4	STD4		3		1.0	02/18/00	17:59:00	
5	HSA		0		1.0	02/18/00	18:06:00	
6	ICV/CCV1		0		1.0	02/18/00	18:11:00	
7	ICB/CCB1		0		1.0	02/18/00	18:16:00	
8	ICSA1		0		1.0	02/18/00	18:21:00	
9	ICSAB1		0		1.0	02/18/00	18:27:00	
10	INT-20		0		1.0	02/18/00	18:36:00	
11	MCL		0		1.0	02/18/00	18:41:00	
12	BSW021800		0		1.0	02/18/00	18:47:00	
13	PBW021800		0		1.0	02/18/00	18:52:00	
14	LCSW		0		1.0	02/18/00	18:57:00	
15	184106D		0		1.0	02/18/00	19:03:00	
16	184106		0		1.0	02/18/00	19:08:00	
17	184106L		0		1.0	02/18/00	19:13:00	
18	CCV2		0		1.0	02/18/00	19:18:00	
19	CCB2		0		1.0	02/18/00	19:24:00	
20	184106MS		0		1.0	02/18/00	19:29:00	
21	184106MSD		0		1.0	02/18/00	19:34:00	
22	184106A		0		1.0	02/18/00	19:40:00	
23	184050		0		2.0	02/18/00	19:45:00	
24	184051		0		2.0	02/18/00	19:50:00	
25	184052		0		2.0	02/18/00	19:55:00	
26	184053		0		2.0	02/18/00	20:01:00	
27	184054		0		2.0	02/18/00	20:06:00	
28	184055		0		2.0	02/18/00	20:11:00	
29	184056		0		1.0	02/18/00	20:16:00	
30	CCV3		0		1.0	02/18/00	20:22:00	
31	CCB3		0		1.0	02/18/00	20:27:00	
32	184105		0		2.0	02/18/00	20:32:00	
33	184107		0		1.0	02/18/00	20:38:00	
34	184111		0		1.0	02/18/00	20:43:00	
35	183850		0		1.0	02/18/00	20:48:00	
36	183851		0		1.0	02/18/00	20:53:00	
37	184018		0		1.0	02/18/00	20:59:00	
38	184155		0		1.0	02/18/00	21:04:00	
39	184156		0		1.0	02/18/00	21:09:00	
40	184157		0		1.0	02/18/00	21:15:00	
41	184158		0		1.0	02/18/00	21:20:00	
42	CCV4		0		1.0	02/18/00	21:25:00	
43	CCB4		0		1.0	02/18/00	21:30:00	
44	184165		0		1.0	02/18/00	21:36:00	
45	184166		0		1.0	02/18/00	21:41:00	
46	ICSA2		0		1.0	02/18/00	21:46:00	
47	ICSAB2		0		1.0	02/18/00	21:52:00	
48	CCV5		0		1.0	02/18/00	21:57:00	
49	CCB5		0		1.0	02/18/00	22:02:00	
50	183699L		0		2.0	02/18/00	22:07:00	
51	183699MS		0		2.0	02/18/00	22:13:00	
52	183699MSD		0		2.0	02/18/00	22:18:00	
53	183701		0		2.0	02/18/00	22:23:00	
54	183703		0		10.0	02/18/00	22:29:00	
55	183703-20		0		20.0	02/18/00	22:34:00	
56	183814		0		2.0	02/18/00	22:39:00	
57	183815		0		2.0	02/18/00	22:44:00	
58	183818		0		2.0	02/18/00	22:50:00	

Continued on Page 24

Read and Understood By 306956

Signed: Donald [illegible] Date: 2-22-00

Signed: [illegible] Date: 2/23/00

PROJECT TJA GIE ICP Trace I Run Log @ 2/23/00

Notebook No. 01558

Continued From Page

Element : Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn, B, Mo, P, Sr, Ti

Batch# : 9151T1

Date : 2/17/00

File : 9151T1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1-BLANK		3		1.0	02/17/00	16:34:00	
2	STD2		3		1.0	02/17/00	16:39:00	
3	STD3		3		1.0	02/17/00	16:44:00	
4	STD4		3		1.0	02/17/00	16:50:00	
5	HSA		0		1.0	02/17/00	16:57:00	
6	ICV/CCV1		0		1.0	02/17/00	17:02:00	
7	ICB/CCB1		0		1.0	02/17/00	17:07:00	
8	ICSA1		0		1.0	02/17/00	17:12:00	
9	ICSAB1		0		1.0	02/17/00	17:18:00	
10	INT-20		0		1.0	02/17/00	17:23:00	
11	MCL		0		1.0	02/17/00	17:28:00	
12	BSS021700		0		1.0	02/17/00	17:38:00	
13	PBS021700		0		1.0	02/17/00	17:43:00	
14	LCSS-242		0		2.0	02/17/00	17:49:00	
15	LCSS-242-D		0		2.0	02/17/00	17:54:00	
16	183699D		0		2.0	02/17/00	17:59:00	
17	183699		0		2.0	02/17/00	18:04:00	
18	CCV2		0		1.0	02/17/00	18:10:00	
19	CCB2		0		1.0	02/17/00	18:15:00	
20	183699L		0		2.0	02/17/00	18:20:00	
21	183699MS		0		2.0	02/17/00	18:26:00	
22	183699MSD		0		2.0	02/17/00	18:31:00	
23	183699A		0		2.0	02/17/00	18:36:00	
24	183701		0		2.0	02/17/00	18:41:00	
25	183703		0		2.0	02/17/00	18:47:00	
26	183814		0		2.0	02/17/00	18:52:00	
27	183815		0		2.0	02/17/00	18:57:00	
28	183818		0		2.0	02/17/00	19:02:00	
29	183819		0		2.0	02/17/00	19:08:00	
30	CCV3		0		1.0	02/17/00	19:13:00	
31	CCB3		0		1.0	02/17/00	19:18:00	
32	183820		0		2.0	02/17/00	19:24:00	
33	183821		0		2.0	02/17/00	19:29:00	
34	183823		0		2.0	02/17/00	19:34:00	
35	183528		0		2.0	02/17/00	19:39:00	
36	183807		0		2.0	02/17/00	19:45:00	
37	183927		0		100.0	02/17/00	19:50:00	
38	183928		0		50.0	02/17/00	19:55:00	
39	183929		0		100.0	02/17/00	20:01:00	
40	183481		0		2.0	02/17/00	20:06:00	
41	183482		0		2.0	02/17/00	20:11:00	
42	CCV4		0		1.0	02/17/00	20:16:00	
43	CCB4		0		1.0	02/17/00	20:22:00	
44	183839		0		5.0	02/17/00	20:27:00	
45	183841		0		5.0	02/17/00	20:32:00	
46	183842		0		1.0	02/17/00	20:38:00	
47	ICSA2		0		1.0	02/17/00	20:43:00	
48	ICSAB2		0		1.0	02/17/00	20:48:00	
49	CCV5		0		1.0	02/17/00	20:53:00	
50	CCB5		0		1.0	02/17/00	20:59:00	

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Read and Understood By 306957

PROJECT Hg Run Log

Notebook No. 01367

Continued From Page

Batch # 9151AHG1
Date: 02/17/00

File : 9151AHG1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1		3		1.0	02/17/00	11:34:18	
2	STD2		3		1.0	02/17/00	11:36:35	
3	STD3		3		1.0	02/17/00	11:39:01	
4	STD4		3		1.0	02/17/00	11:41:18	
5	STD5		3		1.0	02/17/00	11:43:35	
6	STD6		3		1.0	02/17/00	11:45:48	
7	AICV/ACCV1		0		1.0	02/17/00	11:49:10	
8	ICB/CCB1		0		1.0	02/17/00	11:51:23	
9	PBS021700		0		1.0	02/17/00	11:53:56	
10	BSS021700		0		1.0	02/17/00	11:56:07	
11	LCSS-242		0		2.0	02/17/00	11:58:58	
12	LCSS-242-D		0		2.0	02/17/00	12:01:10	
13	183699		0		1.0	02/17/00	12:03:29	
14	183699D		0		1.0	02/17/00	12:05:49	
15	183699MS		0		1.0	02/17/00	12:08:31	
16	183699MSD		0		1.0	02/17/00	12:10:50	
17	183701		0		1.0	02/17/00	12:13:01	
18	183703		0		1.0	02/17/00	12:15:16	
19	ACCV2		0		1.0	02/17/00	12:17:47	
20	CCB2		0		1.0	02/17/00	12:20:19	
21	183814		0		1.0	02/17/00	12:22:49	
22	183815		0		1.0	02/17/00	12:25:10	
23	183818		0		1.0	02/17/00	12:27:17	
24	183819		0		1.0	02/17/00	12:29:27	
25	183820		0		1.0	02/17/00	12:31:36	
26	183821		0		1.0	02/17/00	12:34:04	
27	183823		0		1.0	02/17/00	12:36:14	
28	183528		0		1.0	02/17/00	12:38:43	
29	183807		0		1.0	02/17/00	12:40:56	
30	ACCV3		0		1.0	02/17/00	12:43:16	
31	CCB3		0		1.0	02/17/00	12:46:40	

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Read and Understood By 306958

2/18/00

Metals Preparation Logbook

Batch: 9151
Spike Sources/Lot #
MS/BS: each w/2ml ICP-PSPK 1/4/00

LCS: #242

Prep Date: 2/17/00
Reagent Sources/Lot #
HNO_3: 6623 N34021
HCl: 5587 KX ML
H_2O_2: V340 N02H17

Matrix: SOIL
Comments:

Method (circle one): ICP / 200 / 3010 / 3050 / CLP- / 200DW / Other: 3050B
Furnace / 200 / 3020 / 3050 / CLP / 200DW / Other:

	Job	Sample	Init Wgt/ Vol	Final Vol	Comments
1	X433	183699	1.00	100 ml	
2		183701	1.02		
3		183703	1.01		
4	X453	183814	1.02		
5		183815	1.01		
6		183818	1.03		
7		183819	1.04		
8		183820	1.01		
9		183821	1.00		
10		183823	1.04		
11	X398	183528	1.00		
12	X452	183807	1.03		
13	X465	183927	1.01		
14		183928	1.01		
15		183929	1.02		
16	X388	183481	1.03		
17		183482	1.04		
18	X456	183839	1.03		
19		183841	1.03		
20		183842 (FB)	50ml	50ml	
MS	X433	183699	1.00	100 ml	
MSD					
D					
BS					
PBLK					
LCSS					
LCSSD					

Analyst(s): Camille A. Tetaro
Form ID:METPRLOG1

Reviewed by: [illegible]

306959

Mercury Preparation Logbook

Batch: 9151 Prep Date: 02/17/00

Spike Sources/Lot # MS/BS: 1M | HGW0021700 LCS: 242

Reagent Sources/Lot #: H_2SO_4: 5557N2A13 HNO_3: 6623N34021

$KMnO_4$: 1161OB4 K_2SO_4: NA

Bath Temp NA Start Time: NA End Time: NA

Matrix (circle one): / Water / Soil / TCLP / Other: _____

Method (circle one): / 245.1 / 7470 / 7471 / CLP / 200DW Other _____

	Job	Sample	Init Wgt/ Vol	Final Vol	Comments
1	X433	103699	0.61g	100ml	
2		103701	0.61g		
3		103703	0.61g		
4	X433	103814	0.60g		
5		103815	0.64g		
6		103818	0.60g		
7		103819	0.60g		
8		103820	0.62g		
9		103821	0.60g		
10		103823	0.60g		
11	X398	103520	0.62g		
12	X452	103807	0.60g		
13					
14					
15					
16					
17					
18					
19					
20					
MS	X433	103699	0.60g	100ml	
MSD		103699	0.62g		
D		103699	0.62g		
BSS		9151	0.60g		
PBLK			0.60g		
LCSS			0.63g		
LCSD			0.60g		

Analyst(s): Michael Polikni Reviewed by: [signature]

Form ID:HGPRLOG1

306960