SDMS Document
98458

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 13
LABORATORY QA/QC DATA PACKAGE
2/8/00 - JOB #303

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

306350

MAY 2004

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

STL 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
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306351

February 28, 2000

RECEIVED
MAR - 7 2000
The Whitman Companies, Inc.

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

Attention: Mr. Michael Metlitz

Re: Job No. X303 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on February 09, 2000:

Lab No.	Client ID	Analysis Required
182785	SSAW-9	Method 8021-Purgeable Halocarbons
182786	SSAW-11	Method 8021-Purgeable Halocarbons
182787	SSFS-1C	Pb
182788	SSFS-1D	Method 8021-Purgeable Halocarbons
182789	SSFS-4A	Pb
182791	SSFS-5A	Pb
182793	SSFS-6A	Pb
182795	SSNDS-1C	Method 8021-Purgeable Halocarbons
182796	SSNDS-1D	Method 8021-Purgeable Halocarbons
182797	SSNDS-2C	Method 8021-Purgeable Halocarbons
182798	SSNDS-3A	Method 8021-Purgeable Halocarbons
182799	SSNDS-3B	Method 8021-Purgeable Halocarbons
182800	SSNDS-4A	Method 8021-Purgeable Halocarbons
182801	SSNDS-4B	Method 8021-Purgeable Halocarbons
182802	SSNDS-5	Method 8021-Purgeable Halocarbons
182803	SSNDS-D	Method 8021-Purgeable Halocarbons
182804	SSNDS-6	Method 8021-Purgeable Halocarbons
182805	SSNDS-7A	Method 8021-Purgeable Halocarbons
182806	SSNDS-7B	Method 8021-Purgeable Halocarbons
182807	SSNDS-8	Method 8021-Purgeable Halocarbons
182808	FB0200	Method 601-Purgeable Halocarbons, Pb

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Lab No.	Client ID	Analysis Required
182809	TB0200	Method 8021-Purgeable Halocarbons
182810	SSFDS-D	Pb

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

Very truly yours,

Michael J. Urban
Laboratory Manager

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Client ID: **SSAW-9**
Site: Klockner & Klockner

Lab Sample No: **182785**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7569.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

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	440	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-11**
Site: Klockner & Klockner

Lab Sample No: **182786**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7570.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 24.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	300
Chloromethane	ND	300
Vinyl Chloride	ND	300
Bromomethane	ND	300
Chloroethane	ND	300
Trichlorofluoromethane	ND	300
1,1-Dichloroethene	ND	300
Methylene Chloride	ND	300
trans-1,2-Dichloroethene	ND	300
1,1-Dichloroethane	ND	300
cis-1,2-Dichloroethene	ND	300
Chloroform	ND	300
1,1,1-Trichloroethane	ND	300
Carbon Tetrachloride	ND	300
1,2-Dichloroethane	ND	300
Trichloroethene	9900	300
1,2-Dichloropropane	ND	300
Bromodichloromethane	ND	300
2-Chloroethyl Vinyl Ether	ND	300
cis-1,3-Dichloropropene	ND	300
trans-1,3-Dichloropropene	ND	300
1,1,2-Trichloroethane	ND	300
Tetrachloroethene	370	300
Dibromochloromethane	ND	300
Chlorobenzene	ND	300
Bromoform	ND	300
1,1,2,2-Tetrachloroethane	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300

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Client ID: **SSFS-1C**
Site: **Klockner & Klockner**

Lab Sample No: 182787
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 5.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	77.3	4.5	N*	P

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

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Client ID: **SSFS-1D**
Site: Klockner & Klockner

Lab Sample No: **182788**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7571.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 2.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

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Client ID: **SSFS-4A**
Site: **Klockner & Klockner**

Lab Sample No: 182789
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	128	4.7	N*	P

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

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Client ID: **SSFS-5A**
Site: **Klockner & Klockner**

Lab Sample No: 182791
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 4.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	11.1	4.5	N*	P

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

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Client ID: **SSFS-6A**
Site: **Klockner & Klockner**

Lab Sample No: 182793
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 4.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	8.8 6	4.5	BN*	P

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

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Client ID: **SSNDS-1C**
Site: Klockner & Klockner

Lab Sample No: **182795**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7572.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.7

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

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Client ID: **SSNDS-1D**
Site: Klockner & Klockner

Lab Sample No: **182796**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7573.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.0

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

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Client ID: **SSNDS-2C**
Site: Klockner & Klockner

Lab Sample No: **182797**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7574.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.2

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

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

Lab Sample No: **182798**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7575.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.8

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	270	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	470	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: **SSNDS-3B**
Site: Klockner & Klockner

Lab Sample No: **182799**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7576.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.9

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	2700	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: **SSNDS-4A**
Site: Klockner & Klockner

Lab Sample No: **182800**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7577.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	2300	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

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Client ID: **SSNDS-4B**
Site: Klockner & Klockner

Lab Sample No: **182801**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7578.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	180	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

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Client ID: **SSNDS-5**
Site: Klockner & Klockner

Lab Sample No: **182802**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7600.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND J	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	480	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

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

Lab Sample No: **182803**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7601.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

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 J	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

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Client ID: **SSNDS-6**
Site: Klockner & Klockner

Lab Sample No: **182804**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7602.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.1

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	410	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: **SSNDS-7A**
Site: Klockner & Klockner

Lab Sample No: **182805**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7603.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.6

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

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Client ID: **SSNDS-7B**
Site: Klockner & Klockner

Lab Sample No: **182806**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7605.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND J	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

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Client ID: **SSNDS-8**
Site: Klockner & Klockner

Lab Sample No: **182807**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7606.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

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Client ID: **FB0200**
Site: Klockner & Klockner

Lab Sample No: **182808**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/10/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7529.d

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

VOLATILE ORGANICS - GC/ELCD
METHOD 601

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Dichlorodifluoromethane	ND	0.33
Chloromethane	ND	0.59
Vinyl Chloride	ND	0.54
Bromomethane	ND	0.61
Chloroethane	ND	0.48
Trichlorofluoromethane	ND	0.43
1,1-Dichloroethene	ND	0.35
Methylene Chloride	ND	0.57
trans-1,2-Dichloroethene	ND	0.28
1,1-Dichloroethane	ND	0.36
cis-1,2-Dichloroethene	ND	0.38
Chloroform	ND	0.43
1,1,1-Trichloroethane	ND	0.27
Carbon Tetrachloride	ND	0.30
1,2-Dichloroethane	ND	0.54
Trichloroethene	ND	0.38
1,2-Dichloropropane	ND	0.56
Bromodichloromethane	ND	0.62
2-Chloroethyl Vinyl Ether	ND	0.49
cis-1,3-Dichloropropene	ND	0.56
trans-1,3-Dichloropropene	ND	0.56
1,1,2-Trichloroethane	ND	0.52
Tetrachloroethene	ND	0.21
Dibromochloromethane	ND	0.47
Chlorobenzene	ND	0.43
Bromoform	ND	0.95
1,1,2,2-Tetrachloroethane	ND	0.53
1,3-Dichlorobenzene	ND	0.60
1,4-Dichlorobenzene	ND	0.59
1,2-Dichlorobenzene	ND	0.62

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Client ID: **FB0200**
Site: **Klockner & Klockner**

Lab Sample No: 182808
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	21.4	N*	P

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

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Client ID: **TB0200**
Site: Klockner & Klockner

Lab Sample No: **182809**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7607.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

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

Lab Sample No: 182810
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 3.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	34.6	4.4	N*	P

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

306377

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CHAIN-OF-CUSTODY

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

SITE ADDRESS: Rockaway, NJ
SAMPLE DATE: 2/8/00
SAMPLER(S): Cheryl Coffee

X 303

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS	
2:40	Alleyway/Bldg	SSAW-9	5-5.5'	soil	PHAL	MeOH	2	CLP Package	182785
2:15	Alleyway/Bldg	SSAW-11	1-1.5'	soil	PHAL	MeOH	2	PHAL by 8021	182786
1:00	~~North~~ drum Storage	SSFS-1C	2-2.5'	soil	Lead	Ice	1		182787
1:05	Drum Storage	SSFS-1D	5-5.5'	soil	PHAL	MeOH	2		182788
12:35	Drum Storage	SSFS-4A	0.-0.5'	soil	Lead	Ice	1		182789
12:30	Drum Storage	SSFS-4B	2-2.5'	soil	Lead - Contingent	Ice	1	Hold	182790
12:15	Drum Storage	SSFS-5A	0-0.5'	soil	Lead	Ice	1		182791
12:20	Drum Storage	SSFS-5B	2-2.5'	soil	Lead - contingent	Ice	1	hold	182792
1:15	Drum Storage	SSFS-6A	0-0.5'	soil	Lead	Ice	1		182793
1:20	Drum Storage	SSFS-6B	2-2.5'	soil	Lead - contingent	Ice	1	hold	182794
11:40	North Drum Storage	SSNDS-1C	4.5-5'	soil	PHAL	MeOH	2		182795
11:50	North Drum Storage	SSNDS-1D	12-12.5'	soil	PHAL	MeOH	2		182796
11:15	North Drum Storage	SSNDS-2C	5-5.5'	soil	PHAL	MeOH	2		182797
1:45	North Drum Storage	SSNDS-3A	1-1.5'	soil	PHAL	MeOH	2		182798
1:50	North Drum Storage	SSNDS-3B	4.5-5'	soil	PHAL	MeOH	2		182799
11:55	North Drum Storage	SSNDS-4A	1.5-2'	soil	PHAL	MeOH	2		182800
12:00	North Drum Storage	SSNDS-4B	4.5-5'	soil	PHAL	MeOH	2		182801
12:45	North Drum Storage	SSNDS-5	1-1.5'	soil	PHAL	MeOH	2		182802
12:50	North Drum Storage	SSNDS-D	1-1.5'	soil	PHAL	MeOH	2		182803
11:05	North Drum Storage	SSNDS-6	1-1.5'	soil	PHAL	MeOH	2		182804
10:50	North Drum Storage	SSNDS-7A	1.5-2'	soil	PHAL	MeOH	2		182805
10:55	North Drum Storage	SSNDS-7B	4.5-5'	soil	PHAL	MeOH	2		182806
10:30	North Drum Storage	SSNDS-8	1-1.5'	soil	PHAL	MeOH	2		182807

RELINQUISHED BY: Cheryl L Coff DATE: 2/9/00 TIME: 1350 RECEIVED BY: [signature] DATE: 2/9/00 TIME 1350

RELINQUISHED BY: [signature] DATE: 2/9/00 TIME: 1550 RECEIVED BY: [signature] DATE: 2/9/00 TIME 1550

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
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

TOTAL NO. CONTAINERS_____

306378

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02
LABORATORY: Envirotech Research

SITE ADDRESS: Rockaway, NJ
SAMPLE DATE: 2/8/00
SAMPLER(S): Cheryl Coffee

X 303

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
2:50	Field Blank	FB0200	—	H_2O	PHAL, ~~Lead~~ ~~182808~~	HCL	2	PHAL by 8021 ~~182808~~
2:50	Field Blank	FB0200	—	H_2O	Lead ↓	HNO_3	1	182809
	Trip Blank	TB0200	—	MeOH	PHAL 182809	MeOH	2	182810
12:30	~~Former Drum Storage~~	SSFDS-D	0-0.5'	Soil	Lead 182810	Ice	1	~~182811~~

RELINQUISHED BY: Cheryl L Coffee DATE: 2/9/00 TIME: 1350 RECEIVED BY: [signature] DATE: 2.9.00 TIME: 1350

RELINQUISHED BY: [signature] DATE: 2.9.00 TIME: 1550 RECEIVED BY: DATE: TIME

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
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

TOTAL NO. CONTAINERS_____

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

306379

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No: X303 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
SOLID							
182785	2/8/2000	2/09/2000			2/15/00	SP	6951
182786	2/8/2000	2/09/2000					
182788	2/8/2000	2/09/2000					
182795	2/8/2000	2/09/2000					
182796	2/8/2000	2/09/2000					
182797	2/8/2000	2/09/2000					
182798	2/8/2000	2/09/2000					
182799	2/8/2000	2/09/2000					
182800	2/8/2000	2/09/2000					
182801	2/8/2000	2/09/2000					
182802	2/8/2000	2/09/2000			2/17/00		
182803	2/8/2000	2/09/2000					
182804	2/8/2000	2/09/2000					
182805	2/8/2000	2/09/2000					
182806	2/8/2000	2/09/2000					
182807	2/8/2000	2/09/2000					
182809	2/8/2000	2/09/2000					

306380

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No: X303 **Site:** Klockner & Klockner

Client: The Whitman Companies, Inc.

VOAGC

601

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
WATER							
182808	2/8/2000	2/09/2000			2/10/00	SP	3806

306381

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X303	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/8/2000
Sample No.:	182787	**Date Received:**	2/9/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/11/00	T. A.	2/14/00	EH	9131

306382

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X303	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/8/2000
Sample No.:	182789	**Date Received:**	2/9/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/11/00	I. A.	2/14/00	EH	9131

306383

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X303	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/8/2000
Sample No.:	182791	**Date Received:**	2/9/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/11/00	I. A.	2/14/00	EH	9131

306384

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X303	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/8/2000
Sample No.:	182793	**Date Received:**	2/9/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/11/00	I. A.	2/14/00	[illegible]	9131

306385

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X303	Site:	Klockner & Klockner
Client:	The Whitman Companies, Inc.	Date Sampled:	2/8/2000
Sample No.:	182808	Date Received:	2/9/2000
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/11/00	T. A.	2/14/00	EH	9131

306386

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Envirotech

777 New Durham Road, Edison, New Jersey
08817

Job No:	X303	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	2/8/2000
Sample No.:	182810	**Date Received:**	2/9/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	2/11/00	P. A.	2/14/00	EH	9/31

306387

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

306388

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.

306389

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.

306390

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.

306391

NON-CONFORMANCE SUMMARY

STL Envirotech Job Number: X303

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:

_____

_____

_____

_____

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 ( )

306392

Non-conformance Summary, Page 2 of 2
STL Envirotech Job Number: X303

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: 3/3/00

306393

Client ID: **FB0200**
Site: Klockner & Klockner

Lab Sample No: **182808**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/10/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7529.d

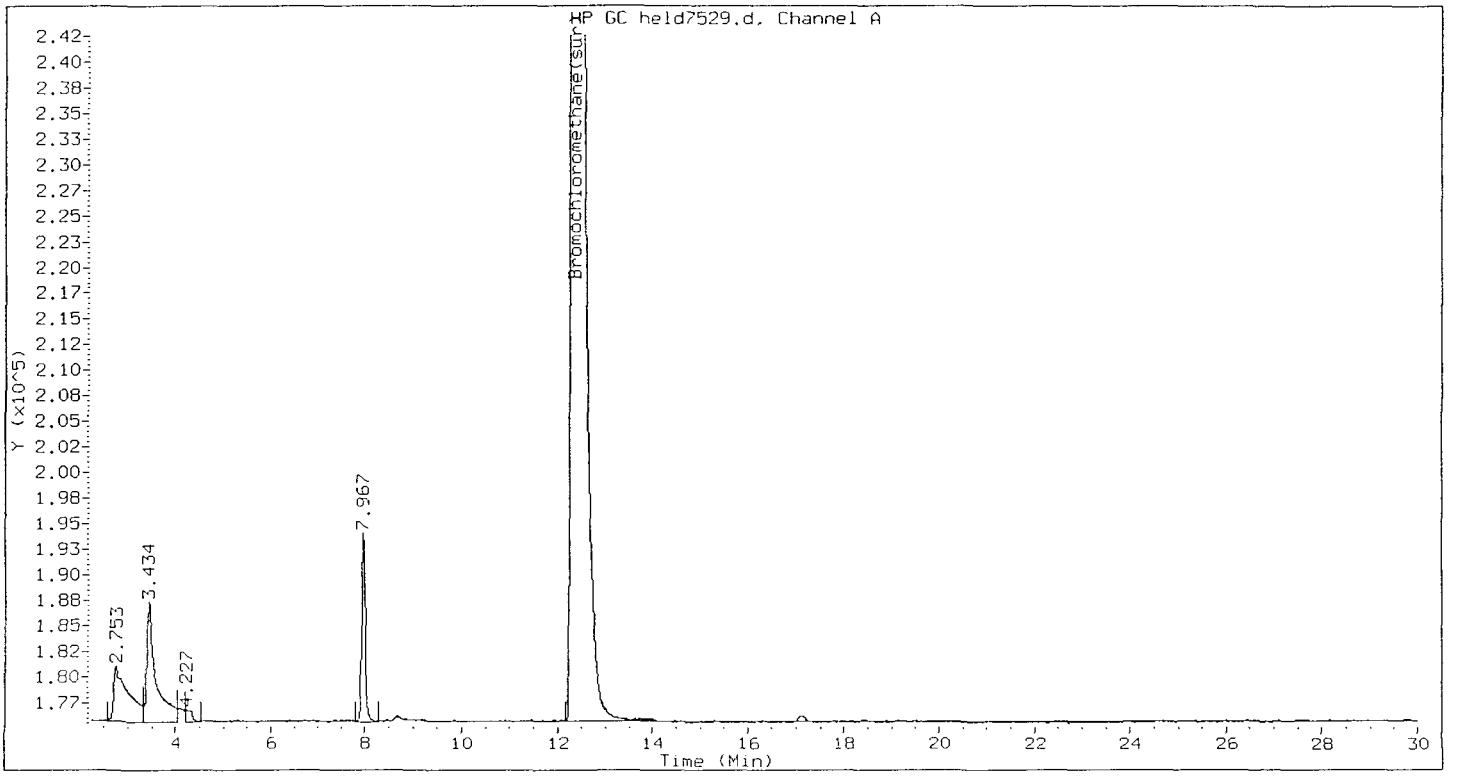
Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/ELCD
METHOD 601

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Dichlorodifluoromethane	ND	0.33
Chloromethane	ND	0.59
Vinyl Chloride	ND	0.54
Bromomethane	ND	0.61
Chloroethane	ND	0.48
Trichlorofluoromethane	ND	0.43
1,1-Dichloroethene	ND	0.35
Methylene Chloride	ND	0.57
trans-1,2-Dichloroethene	ND	0.28
1,1-Dichloroethane	ND	0.36
cis-1,2-Dichloroethene	ND	0.38
Chloroform	ND	0.43
1,1,1-Trichloroethane	ND	0.27
Carbon Tetrachloride	ND	0.30
1,2-Dichloroethane	ND	0.54
Trichloroethene	ND	0.38
1,2-Dichloropropane	ND	0.56
Bromodichloromethane	ND	0.62
2-Chloroethyl Vinyl Ether	ND	0.49
cis-1,3-Dichloropropene	ND	0.56
trans-1,3-Dichloropropene	ND	0.56
1,1,2-Trichloroethane	ND	0.52
Tetrachloroethene	ND	0.21
Dibromochloromethane	ND	0.47
Chlorobenzene	ND	0.43
Bromoform	ND	0.95
1,1,2,2-Tetrachloroethane	ND	0.53
1,3-Dichlorobenzene	ND	0.60
1,4-Dichlorobenzene	ND	0.59
1,2-Dichlorobenzene	ND	0.62

306394

Data File: /chem/VOAGC2.i/601/02-10-00/10FEB00.b/held7529.d Page 1
Report Date 03/02/2000 15:24



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : 182808
Lab ID : 182808
Inj Date : 10-FEB-2000 23:58
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)	12.358	12.335	0.023	85728638	29.164	29.164

306395

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

HG041

Date Analyzed: 02/10/00

Instrument ID: VOAGC2

Time Analyzed: 1350

Lab File ID: HELD7515

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	FB0200	182808	HELD7529	2358
02				
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				

COMMENTS:

306396

Client ID: **HG041**
Site:

Lab Sample No: **HG041**
Lab Job No: X303

Date Sampled: _____
Date Received: _____
Date Analyzed: 02/10/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7515.d

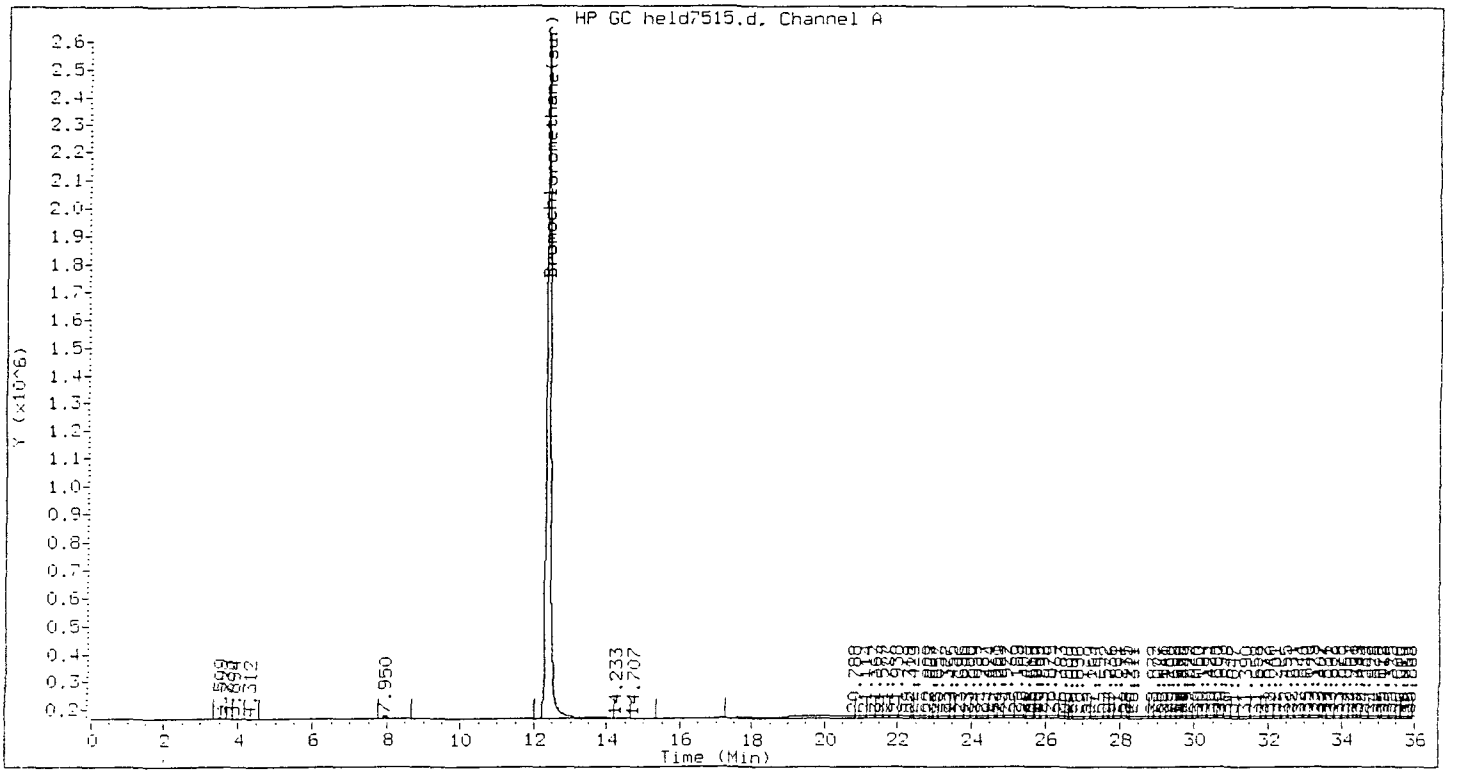
Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/ELCD
METHOD 601

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Dichlorodifluoromethane	ND	0.33
Chloromethane	ND	0.59
Vinyl Chloride	ND	0.54
Bromomethane	ND	0.61
Chloroethane	ND	0.48
Trichlorofluoromethane	ND	0.43
1,1-Dichloroethene	ND	0.35
Methylene Chloride	ND	0.57
trans-1,2-Dichloroethene	ND	0.28
1,1-Dichloroethane	ND	0.36
cis-1,2-Dichloroethene	ND	0.38
Chloroform	ND	0.43
1,1,1-Trichloroethane	ND	0.27
Carbon Tetrachloride	ND	0.30
1,2-Dichloroethane	ND	0.54
Trichloroethene	ND	0.38
1,2-Dichloropropane	ND	0.56
Bromodichloromethane	ND	0.62
2-Chloroethyl Vinyl Ether	ND	0.49
cis-1,3-Dichloropropene	ND	0.56
trans-1,3-Dichloropropene	ND	0.56
1,1,2-Trichloroethane	ND	0.52
Tetrachloroethene	ND	0.21
Dibromochloromethane	ND	0.47
Chlorobenzene	ND	0.43
Bromoform	ND	0.95
1,1,2,2-Tetrachloroethane	ND	0.53
1,3-Dichlorobenzene	ND	0.60
1,4-Dichlorobenzene	ND	0.59
1,2-Dichlorobenzene	ND	0.62

306397

Data File: /chem/VOAGC2.i/601/02-10-00/10FEB00.b/held7515.d Page 1
Report Date 02/11/2000 08:28



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : HG041
Lab ID : HG041
Inj Date : 10-FEB-2000 13:50
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)	12.336	12.335	0.001	92170514	31.356	31.356

306398

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/10/00 02/10/00

Calibration Time(s): 0915 1225

LAB FILE ID: RRF2: HELD7513 RRF5: HELD7509 RRF10: HELD7510
RRF20: HELD7511 RRF40: HELD7512

COMPOUND	RRF2	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	959744	1189937	1260142	1286560	1287060
Chloromethane	1414452	1636436	1686966	1684007	1646924
Vinyl Chloride	1851402	2016774	1987173	1965338	1883013
Bromomethane	1202956	1512950	1601913	1666368	1621273
Chloroethane	3132208	3468514	3450123	3377184	3155126
Trichlorofluoromethane	1025842	1305286	1591210	2027818	2224881
1,1-Dichloroethene	6621261	6602850	6559821	6357608	5843702
Methylene Chloride	6472514	6355792	6348047	6149520	5703554
trans-1,2-Dichloroethene	5280515	5445407	5378661	5327058	5007175
1,1-Dichloroethane	5213742	5269124	5500600	5391163	5072560
cis-1,2-Dichloroethene	4860050	5205738	5302863	5204271	4711730
Chloroform	8749432	7738535	7398174	6987140	6224074
1,1,1-Trichloroethane	3445654	3562483	3585592	3683365	3569983
Carbon Tetrachloride	6174171	6279780	6381431	6323200	5984628
1,2-Dichloroethane	5399885	5536977	5469212	5298276	4864429
Trichloroethene	5654274	5979432	6022560	5862125	5527348
1,2-Dichloropropane	4702228	4913541	4974081	4824900	4562158
Bromodichloromethane	4537314	4780067	4884630	4766863	4587802
2-Chloroethyl Vinyl Ether	1740822	1802507	1801640	1793603	1713567
cis-1,3-Dichloropropene	4369029	4549356	4492472	4449029	4173532
trans-1,3-Dichloropropene	4045828	4175723	4188782	4122006	3895360
1,1,2-Trichloroethane	5602646	5648767	5649796	5433108	5083441
Tetrachloroethene	6513196	6604865	6434181	6155626	5738550
Dibromochloromethane	3649472	3876378	3804287	3765819	3592945
Chlorobenzene	2434311	2592641	2485115	2419460	2394093
Bromoform	2205254	2385114	2466963	2396912	2358835
1,1,2,2-Tetrachloroethane	4265966	4130304	4097838	3874772	3646513
1,3-Dichlorobenzene	3094356	3096324	3197764	3193376	3131236
1,4-Dichlorobenzene	3729697	3602828	3634402	3543910	3356803
1,2-Dichlorobenzene	3516745	3327184	3329150	3315483	3204373
Bromochloromethane(sur)	2731151	2896134	3043152	3071802	2955330

306399

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/10/00 02/10/00

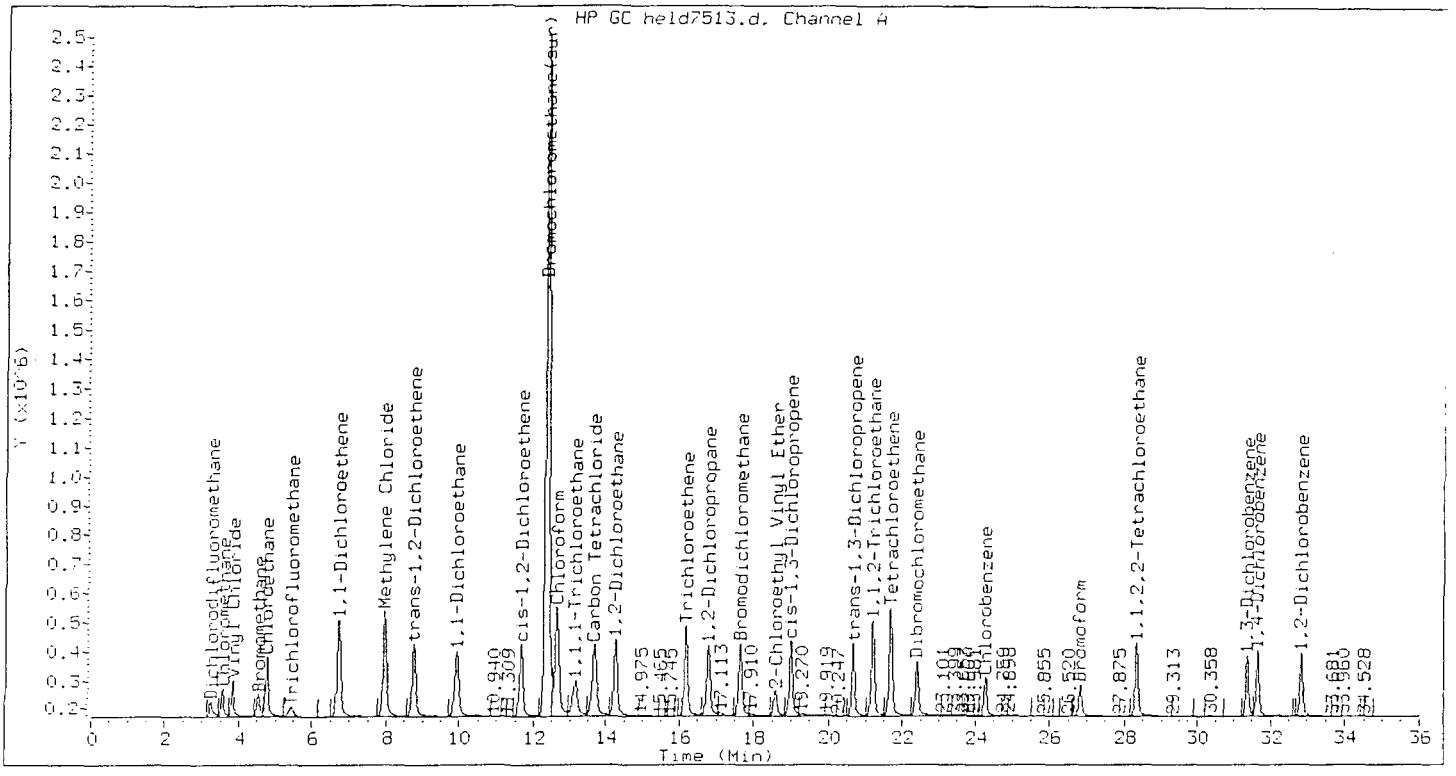
Calibration Time(s): 0915 1225

COMPOUND	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2
Dichlorodifluoromethane	2ORDR	0.29738210	7.6817e-07	5.0624e-17	1.0*
Chloromethane	AVRG		1613757		7.0*
Vinyl Chloride	AVRG		1940740		3.6*
Bromomethane	2ORDR	0.39034400	5.8092e-07	4.4829e-16	1.0*
Chloroethane	AVRG		3316631		4.9*
Trichlorofluoromethane	2ORDR	0.93794770	5.2929e-07	-1.03e-15	1.0*
1,1-Dichloroethene	AVRG		6397048		5.1*
Methylene Chloride	AVRG		6205885		4.9*
trans-1,2-Dichloroethene	AVRG		5287763		3.2*
1,1-Dichloroethane	AVRG		5289438		3.1*
cis-1,2-Dichloroethene	AVRG		5056930		5.1*
Chloroform	2ORDR	-0.0444974	1.2285e-07	1.5231e-16	1.0*
1,1,1-Trichloroethane	AVRG		3569415		2.4*
Carbon Tetrachloride	AVRG		6228642		2.5*
1,2-Dichloroethane	AVRG		5313756		5.0*
Trichloroethene	AVRG		5809148		3.6*
1,2-Dichloropropane	AVRG		4795382		3.4*
Bromodichloromethane	AVRG		4711335		3.1*
2-Chloroethyl Vinyl Ether	AVRG		1770428		2.3*
cis-1,3-Dichloropropene	AVRG		4406684		3.3*
trans-1,3-Dichloropropene	AVRG		4085540		2.9*
1,1,2-Trichloroethane	AVRG		5483552		4.4*
Tetrachloroethene	AVRG		6289283		5.6*
Dibromochloromethane	AVRG		3737780		3.1*
Chlorobenzene	AVRG		2465124		3.2*
Bromoform	AVRG		2362616		4.1*
1,1,2,2-Tetrachloroethane	AVRG		4003078		6.1*
1,3-Dichlorobenzene	AVRG		3142611		1.6*
1,4-Dichlorobenzene	AVRG		3573528		3.9*
1,2-Dichlorobenzene	AVRG		3338587		3.4*
Bromochloromethane(sur)	AVRG		2939514		4.6*

* Compounds with required maximum %RSD values.

306400

Data File: /chem/VOAGC2.i/601/02-10-00/10FEB00.b/held7513.d Page 1
Report Date 02/11/2000 08:28



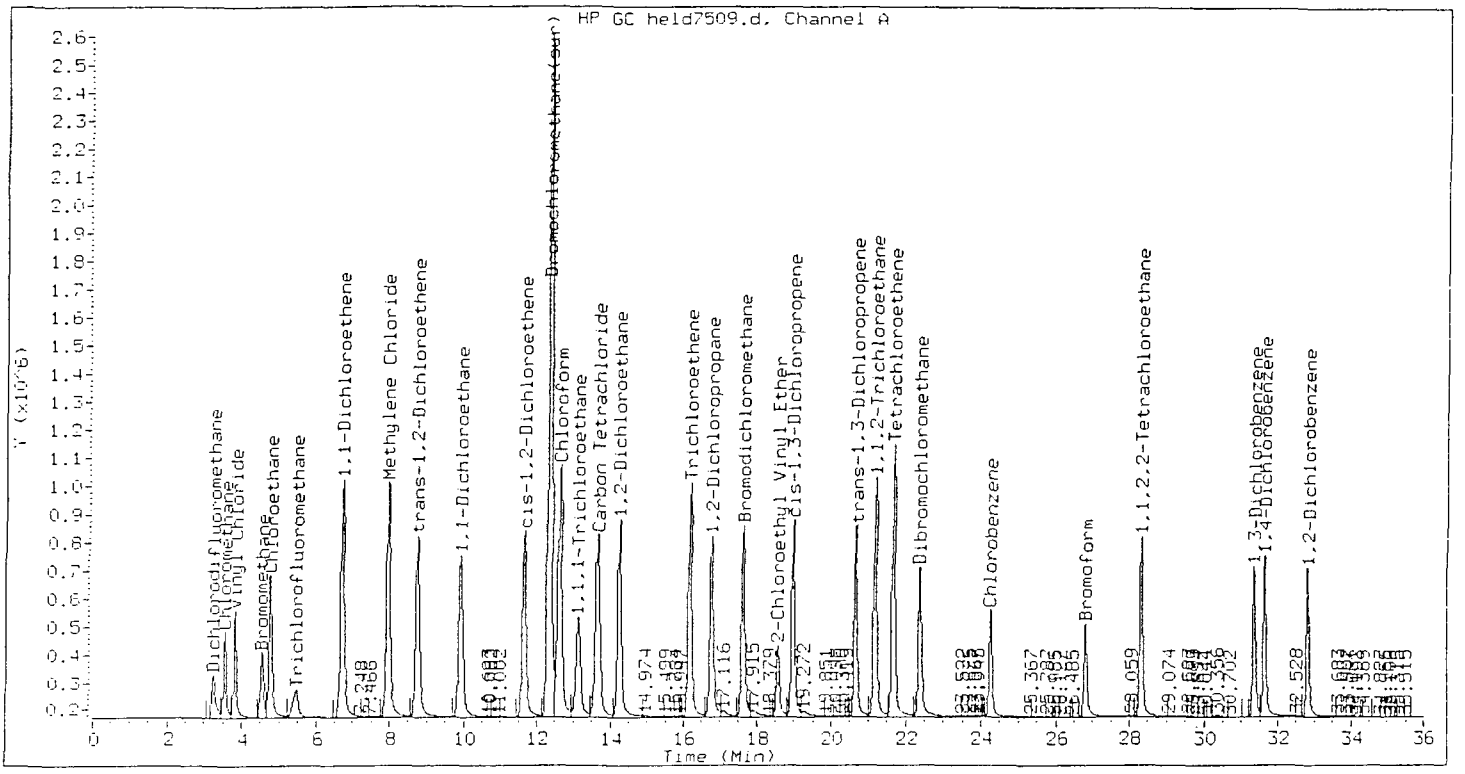
Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : HSTD002
Lab ID : HSTD002 Inst ID : VOAGC2.i
Inj Date : 10-FEB-2000 12:25 Dil Factor : 1
Operator : SP Sample Matrix : WATER
Cpnd Sublist: 601 Sample Type: CALIB_1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.232	3.229	0.003	1919488	1.635	1.635
Chloromethane	3.543	3.559	0.017	2828905	1.772	1.772
Vinyl Chloride	3.815	3.828	0.013	3702803	1.914	1.914
Bromomethane	4.521	4.538	0.017	2405913	1.620	1.620
Chloroethane	4.744	4.752	0.008	6264415	1.897	1.897
Trichlorofluoromethane	5.444	5.465	0.021	2051684	1.335	1.335
1,1-Dichloroethene	6.700	6.713	0.014	13242522	2.067	2.067
Methylene Chloride	7.936	7.958	0.023	12945027	2.081	2.081
trans-1,2-Dichloroethene	8.737	8.751	0.014	10561030	2.001	2.001

306401

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1,1-Dichloroethane	9.913	9.922	0.010	10427484	1.981	1.981
cis-1,2-Dichloroethene	11.643	11.654	0.011	9720099	1.936	1.936
Chloroform	12.614	12.627	0.013	17498863	2.325	2.325
1,1,1-Trichloroethane	13.127	13.139	0.011	6891308	1.946	1.946
Carbon Tetrachloride	13.652	13.661	0.009	12348342	1.990	1.990
1,2-Dichloroethane	14.242	14.250	0.008	10799770	2.031	2.031
Trichloroethene	16.164	16.176	0.012	11308547	1.951	1.951
1,2-Dichloropropane	16.767	16.777	0.010	9404456	1.964	1.964
Bromodichloromethane	17.628	17.637	0.009	9074628	1.932	1.932
2-Chloroethyl Vinyl Ether	18.568	18.574	0.006	3481644	1.973	1.973
cis-1,3-Dichloropropene	18.972	18.980	0.007	8738058	1.988	1.988
trans-1,3-Dichloropropene	20.649	20.653	0.004	8091657	1.985	1.985
1,1,2-Trichloroethane	21.180	21.187	0.006	11205293	2.039	2.039
Tetrachloroethene	21.666	21.673	0.007	13026391	2.060	2.060
Dibromochloromethane	22.380	22.384	0.004	7298943	1.956	1.956
Chlorobenzene	24.256	24.260	0.004	4868622	1.966	1.966
Bromoform	26.805	26.803	0.002	4410508	1.874	1.874
1,1,2,2-Tetrachloroethane	28.317	28.319	0.002	8531931	2.114	2.114
1,3-Dichlorobenzene	31.350	31.350	0.000	6188711	1.977	1.977
1,4-Dichlorobenzene	31.636	31.637	0.001	7459394	2.083	2.083
1,2-Dichlorobenzene	32.822	32.823	0.001	7033490	2.103	2.103
Bromochloromethane(sur)	12.323	12.335	0.012	81934520	28.191	28.191

306402



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : HSTD005
Lab ID : HSTD005
Inj Date : 10-FEB-2000 09:15
Operator : SP
Cpnd Sublist: 601

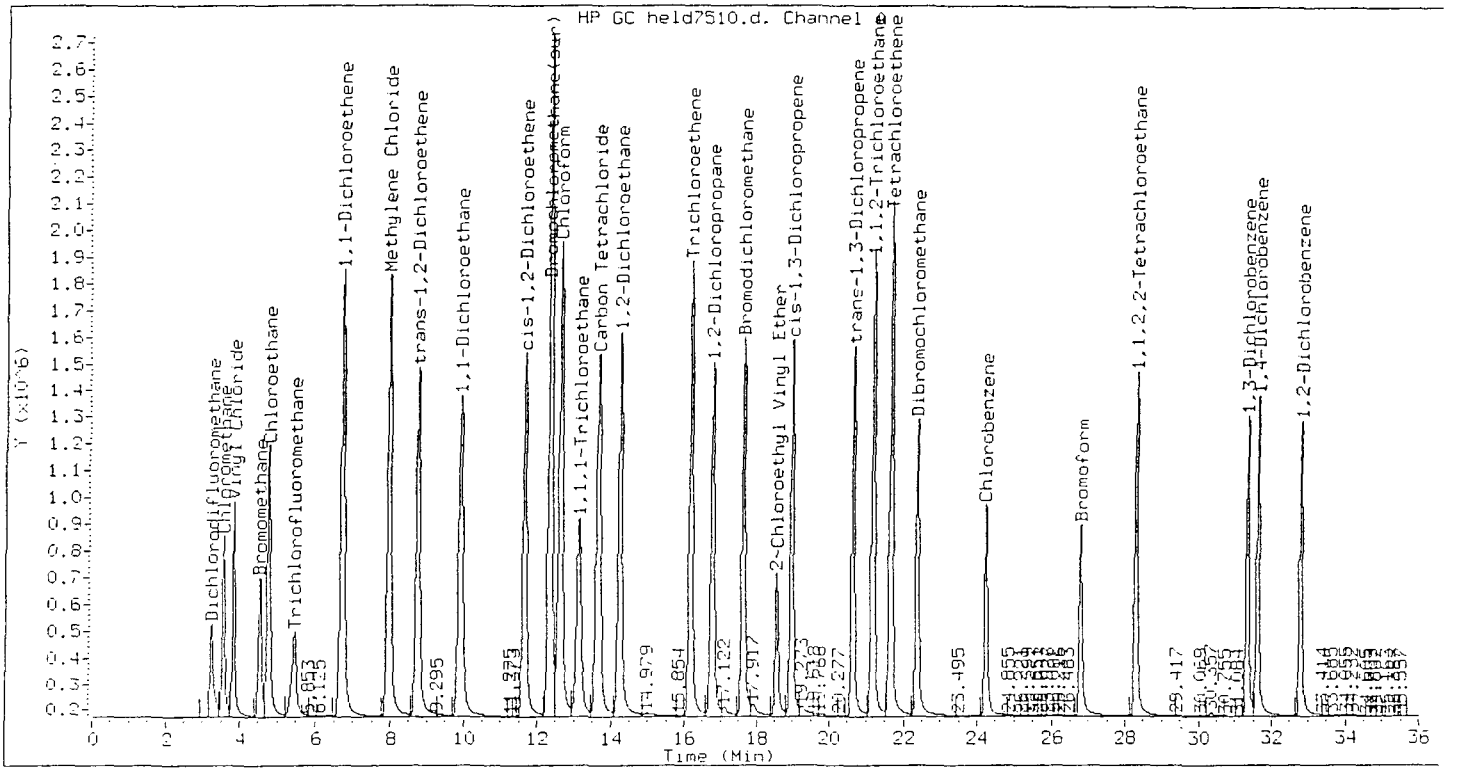
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_2

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.229	3.229	0.000	5949687	5.000	5.000
Chloromethane	3.545	3.559	0.014	8182181	5.000	5.000
Vinyl Chloride	3.818	3.828	0.010	10083868	5.000	5.000
Bromomethane	4.529	4.538	0.009	7564752	5.000	5.000
Chloroethane	4.750	4.752	0.002	17342569	5.000	5.000
Trichlorofluoromethane	5.456	5.465	0.009	6526432	5.000	5.000
1,1-Dichloroethene	6.706	6.713	0.007	33014251	5.000	5.000
Methylene Chloride	7.944	7.958	0.014	31778958	5.000	5.000
trans-1,2-Dichloroethene	8.742	8.751	0.009	27227033	5.000	5.000

306403

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1,1-Dichloroethane	9.915	9.922	0.007	26345622	5.000	5.000
cis-1,2-Dichloroethene	11.646	11.654	0.009	26028688	5.000	5.000
Chloroform	12.617	12.627	0.010	38692673	5.000	5.000
1,1,1-Trichloroethane	13.129	13.139	0.010	17812414	5.000	5.000
Carbon Tetrachloride	13.652	13.661	0.008	31398899	5.000	5.000
1,2-Dichloroethane	14.242	14.250	0.008	27684887	5.000	5.000
Trichloroethene	16.168	16.176	0.008	29897158	5.000	5.000
1,2-Dichloropropane	16.769	16.777	0.008	24567707	5.000	5.000
Bromodichloromethane	17.630	17.637	0.007	23900335	5.000	5.000
2-Chloroethyl Vinyl Ether	18.570	18.574	0.004	9012537	5.000	5.000
cis-1,3-Dichloropropene	18.973	18.980	0.006	22746782	5.000	5.000
trans-1,3-Dichloropropene	20.648	20.653	0.005	20878613	5.000	5.000
1,1,2-Trichloroethane	21.180	21.187	0.006	28243835	5.000	5.000
Tetrachloroethene	21.667	21.673	0.006	33024325	5.000	5.000
Dibromochloromethane	22.379	22.384	0.004	19381891	5.000	5.000
Chlorobenzene	24.256	24.260	0.004	12963206	5.000	5.000
Bromoform	26.802	26.803	0.002	11925572	5.000	5.000
1,1,2,2-Tetrachloroethane	28.316	28.319	0.003	20651519	5.000	5.000
1,3-Dichlorobenzene	31.348	31.350	0.003	15481620	5.000	5.000
1,4-Dichlorobenzene	31.634	31.637	0.003	18014138	5.000	5.000
1,2-Dichlorobenzene	32.819	32.823	0.003	16635922	5.000	5.000
Bromochloromethane(sur)	12.325	12.335	0.010	86884009	30.000	30.000

306404



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : HSTD010
Lab ID : HSTD010
Inj Date : 10-FEB-2000 09:58
Operator : SP
Cpnd Sublist: 601

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

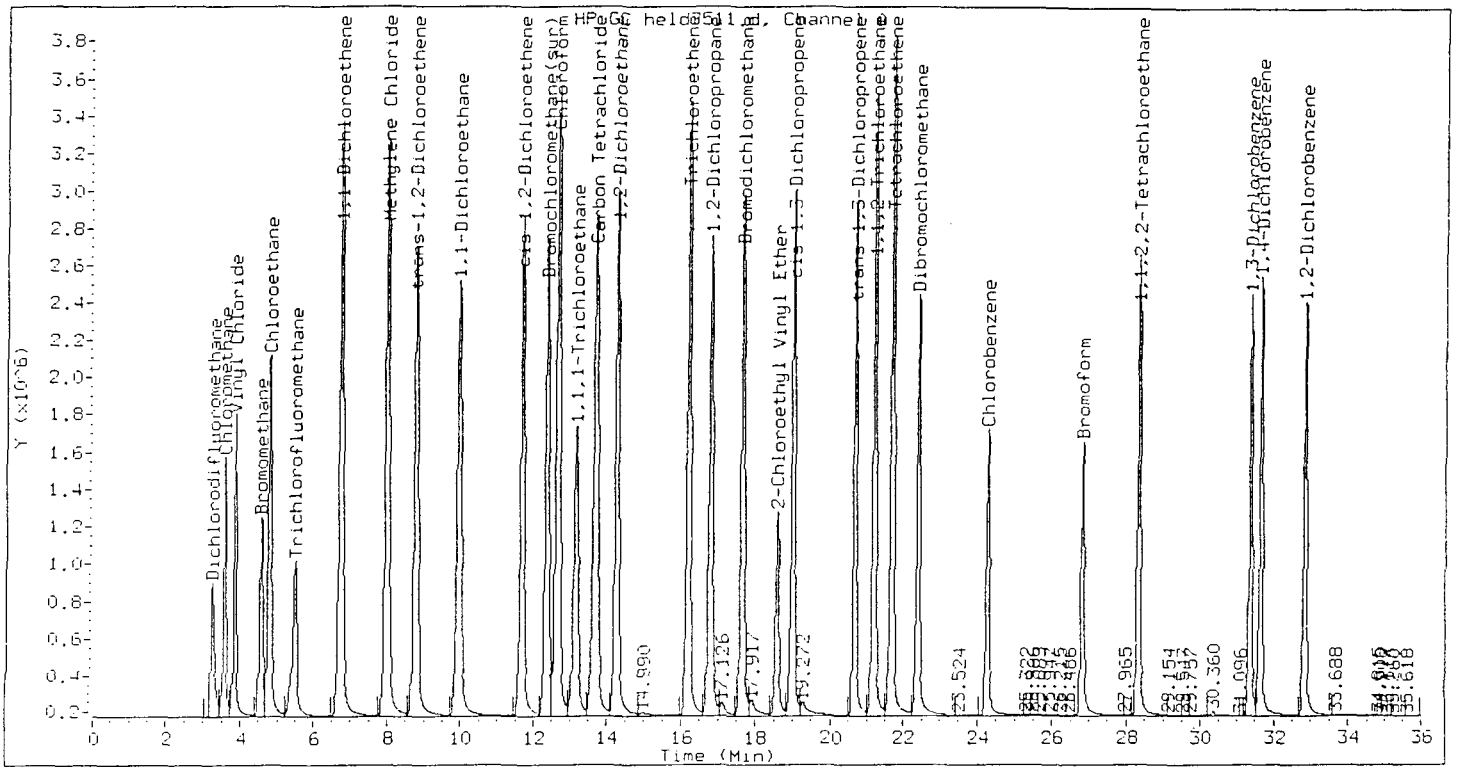
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
Dichlorodifluoromethane	3.227	3.229	0.002	12601424	10.287	10.287
Chloromethane	3.551	3.559	0.008	16869663	10.152	10.152
Vinyl Chloride	3.822	3.828	0.006	19871733	9.926	9.926
Bromomethane	4.533	4.538	0.005	16019127	10.286	10.286
Chloroethane	4.750	4.752	0.002	34501228	9.973	9.973
Trichlorofluoromethane	5.461	5.465	0.004	15912098	10.987	10.987
1,1-Dichloroethene	6.708	6.713	0.006	65598213	9.967	9.967
Methylene Chloride	7.946	7.958	0.013	63480471	9.994	9.994
trans-1,2-Dichloroethene	8.742	8.751	0.009	53786607	9.938	9.938

306405

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1,1-Dichloroethane	9.914	9.922	0.009	55006003	10.215	10.215
cis-1,2-Dichloroethene	11.648	11.654	0.006	53028627	10.092	10.092
Chloroform	12.622	12.627	0.005	73981735	9.775	9.775
1,1,1-Trichloroethane	13.133	13.139	0.006	35855915	10.032	10.032
Carbon Tetrachloride	13.655	13.661	0.005	63814313	10.080	10.080
1,2-Dichloroethane	14.246	14.250	0.004	54692119	9.938	9.938
Trichloroethene	16.174	16.176	0.002	60225604	10.036	10.036
1,2-Dichloropropane	16.774	16.777	0.003	49740813	10.061	10.061
Bromodichloromethane	17.635	17.637	0.002	48846303	10.108	10.108
2-Chloroethyl Vinyl Ether	18.573	18.574	0.001	18016405	9.998	9.998
cis-1,3-Dichloropropene	18.977	18.980	0.002	44924725	9.937	9.937
trans-1,3-Dichloropropene	20.653	20.653	0.000	41887820	10.016	10.016
1,1,2-Trichloroethane	21.187	21.187	0.000	56497961	10.001	10.001
Tetrachloroethene	21.671	21.673	0.002	64341808	9.869	9.869
Dibromochloromethane	22.381	22.384	0.002	38042868	9.906	9.906
Chlorobenzene	24.257	24.260	0.003	24851152	9.788	9.788
Bromoform	26.802	26.803	0.001	24669634	10.169	10.169
1,1,2,2-Tetrachloroethane	28.317	28.319	0.002	40978381	9.961	9.961
1,3-Dichlorobenzene	31.350	31.350	0.001	31977640	10.161	10.161
1,4-Dichlorobenzene	31.636	31.637	0.001	36344023	10.044	10.044
1,2-Dichlorobenzene	32.822	32.823	0.001	33291502	10.003	10.003
Bromochloromethane(sur)	12.329	12.335	0.006	91294565	30.743	30.743

306406

Data File: /chem/VOAGC2.i/601/02-10-00/10FEB00.b/held7511.d Page 1
Report Date 02/11/2000 08:28



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : HSTD020
Lab ID : HSTD020
Inj Date : 10-FEB-2000 10:40
Operator : SP
Cpnd Sublist: 601

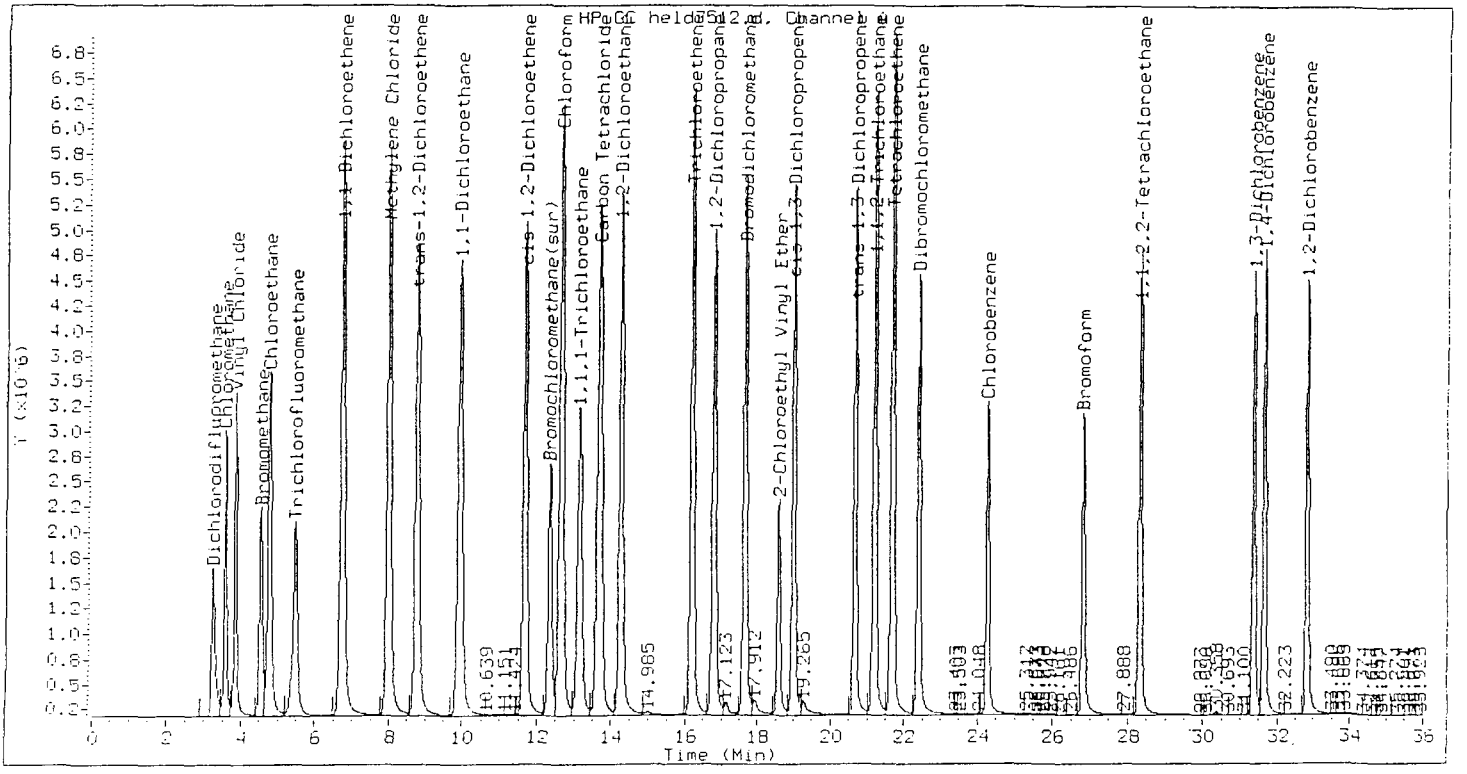
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.229	3.229	0.000	25731209	21.502	21.502
Chloromethane	3.559	3.559	0.000	33680138	20.871	20.871
Vinyl Chloride	3.828	3.828	0.000	39306768	20.253	20.253
Bromomethane	4.538	4.538	0.000	33327371	21.910	21.910
Chloroethane	4.752	4.752	0.000	67543683	20.365	20.365
Trichlorofluoromethane	5.465	5.465	0.000	40556362	24.805	24.805
1,1-Dichloroethene	6.713	6.713	0.000	127152160	19.877	19.877
Methylene Chloride	7.958	7.958	0.000	122990395	19.818	19.818
trans-1,2-Dichloroethene	8.751	8.751	0.000	106541169	20.149	20.149

306407

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1,1-Dichloroethane	9.922	9.922	0.000	107823262	20.385	20.385
cis-1,2-Dichloroethene	11.654	11.654	0.000	104085414	20.583	20.583
Chloroform	12.627	12.627	0.000	139742811	18.835	18.835
1,1,1-Trichloroethane	13.139	13.139	0.000	73667304	20.638	20.638
Carbon Tetrachloride	13.661	13.661	0.000	126464001	20.304	20.304
1,2-Dichloroethane	14.250	14.250	0.000	105965527	19.942	19.942
Trichloroethene	16.176	16.176	0.000	117242501	20.182	20.182
1,2-Dichloropropane	16.777	16.777	0.000	96498009	20.123	20.123
Bromodichloromethane	17.637	17.637	0.000	95337256	20.236	20.236
2-Chloroethyl Vinyl Ether	18.574	18.574	0.000	35872058	20.262	20.262
cis-1,3-Dichloropropene	18.980	18.980	0.000	88980587	20.192	20.192
trans-1,3-Dichloropropene	20.653	20.653	0.000	82440124	20.179	20.179
1,1,2-Trichloroethane	21.187	21.187	0.000	108662153	19.816	19.816
Tetrachloroethene	21.673	21.673	0.000	123112513	19.575	19.575
Dibromochloromethane	22.384	22.384	0.000	75316375	20.150	20.150
Chlorobenzene	24.260	24.260	0.000	48389197	19.630	19.630
Bromoform	26.803	26.803	0.000	47938247	20.290	20.290
1,1,2,2-Tetrachloroethane	28.319	28.319	0.000	77495439	19.359	19.359
1,3-Dichlorobenzene	31.350	31.350	0.000	63867523	20.323	20.323
1,4-Dichlorobenzene	31.637	31.637	0.000	70878194	19.834	19.834
1,2-Dichlorobenzene	32.823	32.823	0.000	66309659	19.862	19.862
Bromochloromethane(sur)	12.335	12.335	0.000	92154051	31.350	31.350

306408



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : HSTD040
Lab ID : HSTD040
Inj Date : 10-FEB-2000 11:23
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
Dichlorodifluoromethane	3.220	3.229	0.009	51482382	41.328	41.328
Chloromethane	3.560	3.559	0.001	65876978	39.762	39.762
Vinyl Chloride	3.827	3.828	0.001	75320521	38.383	38.383
Bromomethane	4.517	4.538	0.021	64850908	41.078	41.078
Chloroethane	4.744	4.752	0.008	126205022	37.584	37.584
Trichlorofluoromethane	5.458	5.465	0.007	88995241	52.132	52.132
1,1-Dichloroethene	6.712	6.713	0.001	233748064	36.895	36.895
Methylene Chloride	7.965	7.958	0.006	228142178	37.182	37.182
trans-1,2-Dichloroethene	8.750	8.751	0.002	200286990	37.954	37.954

306409

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1,1-Dichloroethane	9.917	9.922	0.005	202902402	38.423	38.423
cis-1,2-Dichloroethene	11.650	11.654	0.004	188469195	37.148	37.148
Chloroform	12.625	12.627	0.002	248962946	34.965	34.965
1,1,1-Trichloroethane	13.134	13.139	0.005	142799310	39.970	39.970
Carbon Tetrachloride	13.657	13.661	0.004	239385133	38.516	38.516
1,2-Dichloroethane	14.245	14.250	0.005	194577157	36.781	36.781
Trichloroethene	16.173	16.176	0.003	221093923	37.838	37.838
1,2-Dichloropropane	16.773	16.777	0.004	182486315	37.887	37.887
Bromodichloromethane	17.633	17.637	0.003	183512077	38.627	38.627
2-Chloroethyl Vinyl Ether	18.571	18.574	0.003	68542690	38.669	38.669
cis-1,3-Dichloropropene	18.977	18.980	0.003	166941294	37.897	37.897
trans-1,3-Dichloropropene	20.651	20.653	0.003	155814418	38.128	38.128
1,1,2-Trichloroethane	21.186	21.187	0.001	203337637	37.237	37.237
Tetrachloroethene	21.673	21.673	0.001	229541997	36.673	36.673
Dibromochloromethane	22.382	22.384	0.002	143717801	38.244	38.244
Chlorobenzene	24.260	24.260	0.000	95763731	38.450	38.450
Bromoform	26.802	26.803	0.001	94353418	39.254	39.254
1,1,2,2-Tetrachloroethane	28.319	28.319	0.000	145860532	36.850	36.850
1,3-Dichlorobenzene	31.349	31.350	0.002	125249453	39.866	39.866
1,4-Dichlorobenzene	31.635	31.637	0.002	134272129	38.023	38.023
1,2-Dichlorobenzene	32.820	32.823	0.002	128174932	38.996	38.996
Bromochloromethane(sur)	12.332	12.335	0.003	88659898	29.903	29.903

306410

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: WATER Level: LOW Lab Job No: X303

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	HG041	104			0
02	182808	97			0
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
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17					
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23					
24					
25					
26					
27					
28					
29					
30					

QC LIMITS

SMC1 = Bromochloromethane(sur (70-136)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 601

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 182355

MS Sample from Lab Job No: X228

QA Batch: 3806

Compound	MS % REC.	BS % REC.	LIMITS
Chloromethane	85	95	0-193
Vinyl Chloride	95	90	28-163
Bromomethane	110	105	0-144
Chloroethane	95	90	46-137
Trichlorofluoromethane	75	110	21-156
1,1-Dichloroethene	85	85	28-167
Methylene Chloride	90	85	25-162
trans-1,2-Dichloroethene	90	80	38-155
1,1-Dichloroethane	90	85	47-132
Chloroform	100	90	49-133
1,1,1-Trichloroethane	90	90	41-138
Carbon Tetrachloride	95	90	43-143
1,2-Dichloroethane	90	85	51-147
Trichloroethene	90	85	35-146
1,2-Dichloropropane	100	90	44-156
Bromodichloromethane	105	95	42-172
2-Chloroethyl Vinyl Ether	100	95	14-186
cis-1,3-Dichloropropene	90	90	22-178
trans-1,3-Dichloropropene	90	90	22-178
1,1,2-Trichloroethane	95	85	39-136
Tetrachloroethene	85	80	26-162
Dibromochloromethane	100	95	24-191
Chlorobenzene	90	80	38-150
Bromoform	100	95	13-159
1,1,2,2-Tetrachloroethane	90	90	8-184
1,3-Dichlorobenzene	90	90	7-187
1,4-Dichlorobenzene	85	85	42-143
1,2-Dichlorobenzene	85	85	0-208

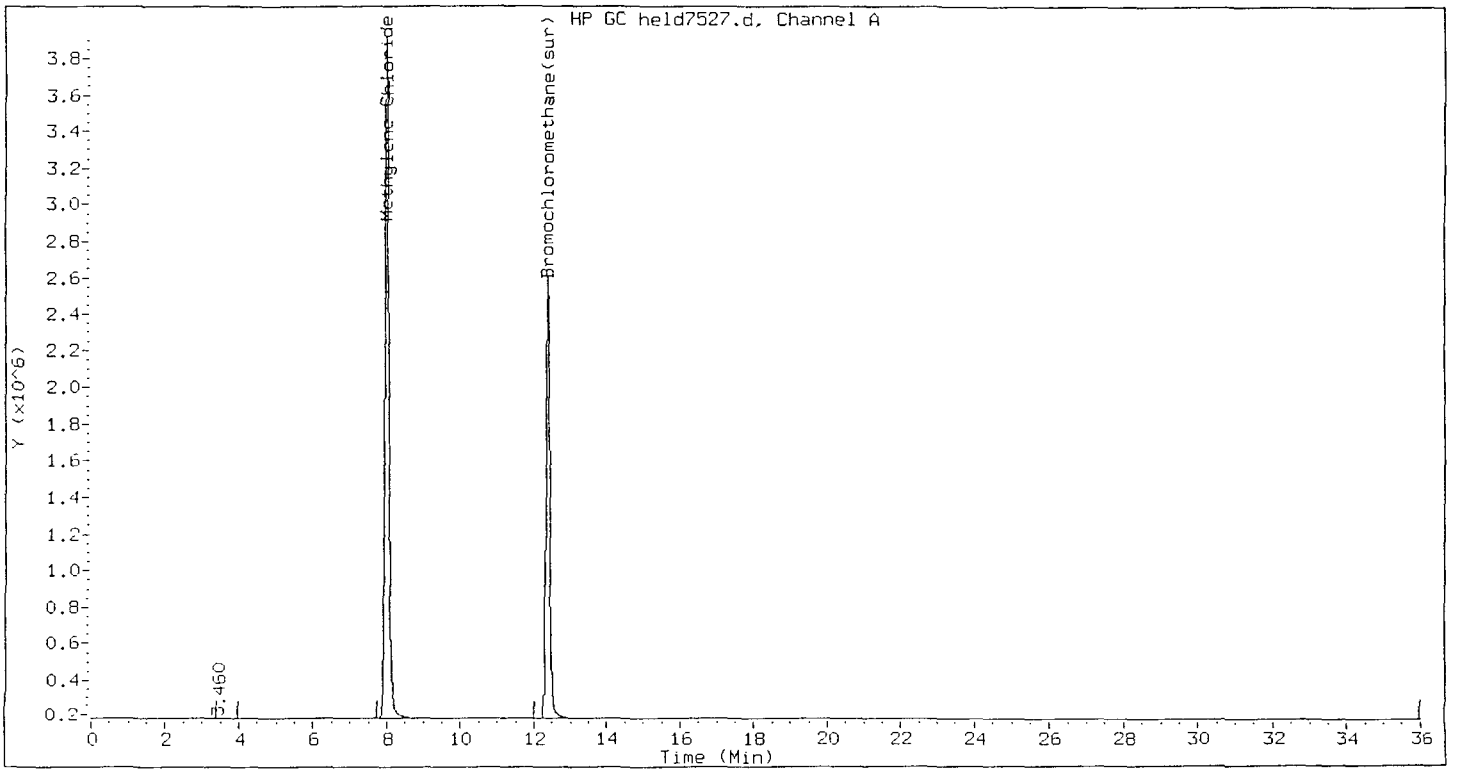
* Values outside of QC limits

Spike Recovery: 0 out of 56 outside limits

COMMENTS: _____

306412

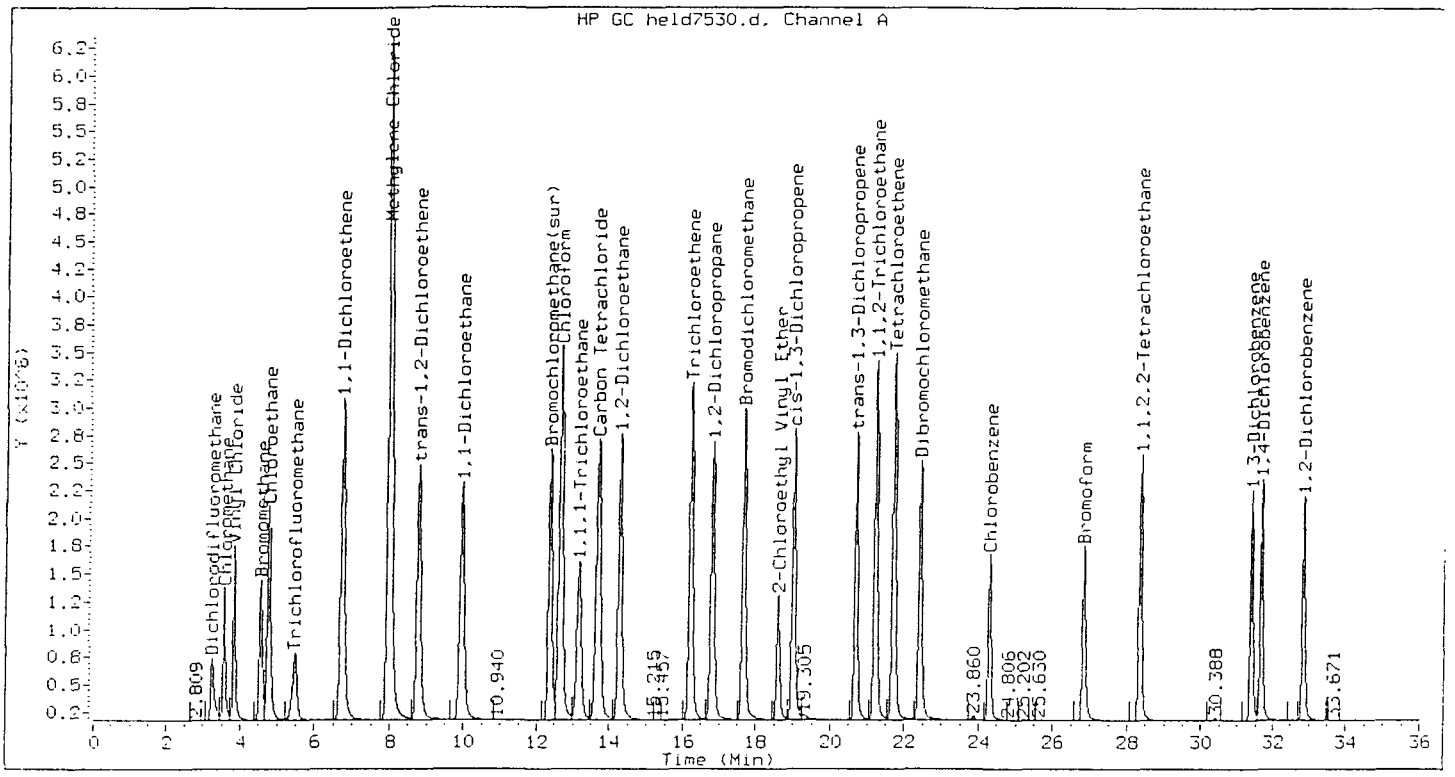
Data File: /chem/VOAGC2.i/601/02-10-00/10FEB00.b/held7527.d Page 1
Report Date 02/11/2000 14:03



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : 182355;;10000
Lab ID : 182355 Inst ID : VOAGC2.i
Inj Date : 10-FEB-2000 22:32 Dil Factor : 10000
Operator : SP Sample Matrix : WATER
Cpnd Sublist: MECL2 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
Methylene Chloride	7.968	7.958	0.010	139809389	22.529	225285.165
Bromochloromethane(sur)	12.356	12.335	0.021	86127476	29.300	29.300

306413



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : 182355MS;;10000
Lab ID : 182355MS
Inj Date : 11-FEB-2000 00:40
Operator : SP
Cpnd Sublist: 601

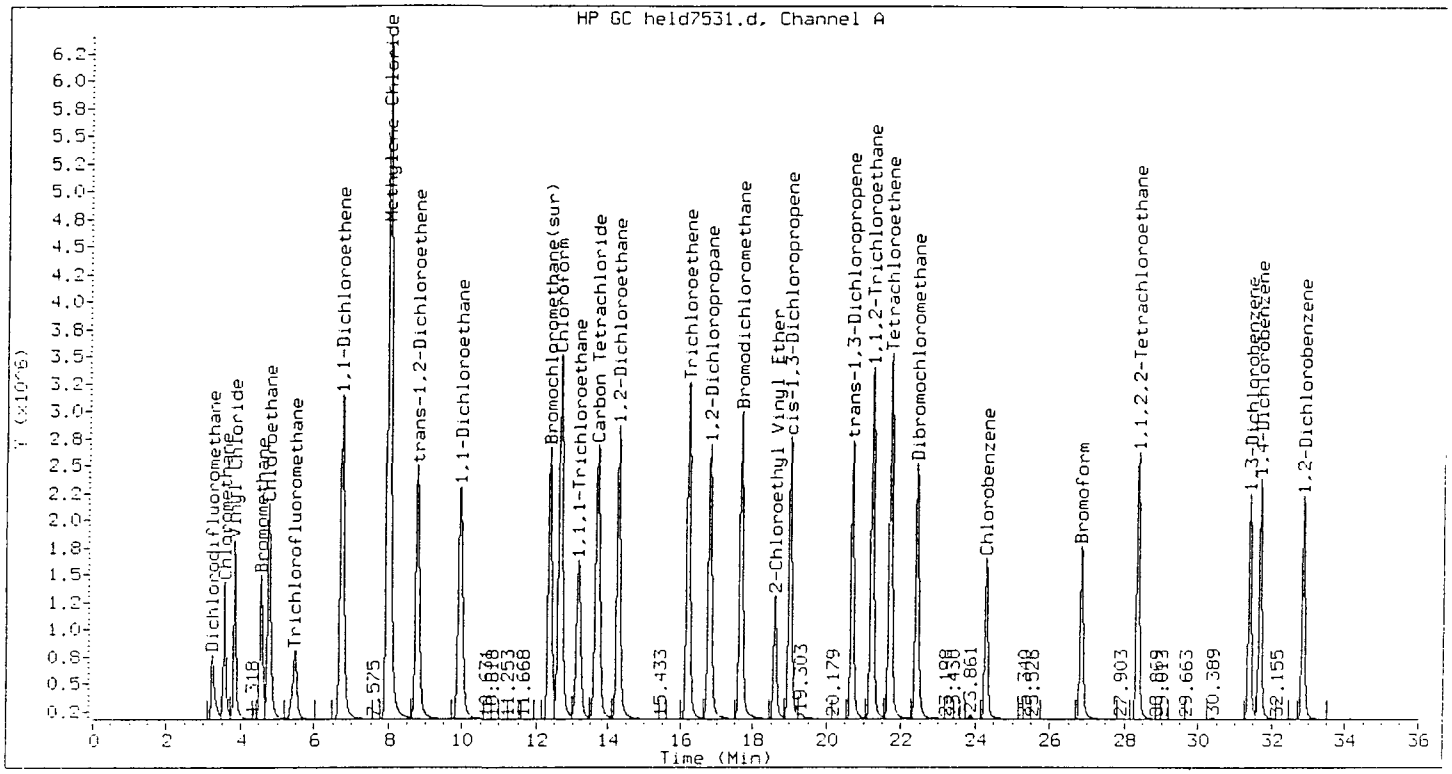
Inst ID : VOAGC2.i
Dil Factor : 10000
Sample Matrix : WATER
Sample Type: MS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
Dichlorodifluoromethane	3.235	3.229	0.006	19075953	14.969	149693.652
Chloromethane	3.565	3.559	0.006	27908734	17.294	172942.576
Vinyl Chloride	3.835	3.828	0.007	36395716	18.754	187535.252
Bromomethane	4.550	4.538	0.012	36626253	22.269	222685.425
Chloroethane	4.764	4.752	0.012	63795537	19.235	192350.435
Trichlorofluoromethane	5.472	5.465	0.007	27379294	14.657	146574.440
1,1-Dichloroethene	6.726	6.713	0.013	111546029	17.437	174371.088
Methylene Chloride	7.978	7.958	0.019	245673081	39.587	395871.129
trans-1,2-Dichloroethene	8.768	8.751	0.016	92890354	17.567	175670.415

306414

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1,1-Dichloroethane	9.941	9.922	0.019	93746380	17.723	177233.159
Chloroform	12.646	12.627	0.019	136771825	19.607	196069.702
1,1,1-Trichloroethane	13.158	13.139	0.019	66263582	18.564	185642.682
Carbon Tetrachloride	13.681	13.661	0.020	116162598	18.650	186497.468
1,2-Dichloroethane	14.271	14.250	0.021	94528756	17.789	177894.426
Trichloroethene	16.198	16.176	0.022	104603892	18.007	180067.536
1,2-Dichloropropane	16.801	16.777	0.024	93548965	19.508	195081.370
Bromodichloromethane	17.660	17.637	0.023	97453628	20.685	206849.277
2-Chloroethyl Vinyl Ether	18.596	18.574	0.022	35209992	19.888	198878.417
cis-1,3-Dichloropropene	19.003	18.980	0.023	81796529	18.562	185619.233
trans-1,3-Dichloropropene	20.677	20.653	0.024	74921635	18.338	183382.456
1,1,2-Trichloroethane	21.211	21.187	0.025	102965771	18.777	187772.046
Tetrachloroethene	21.699	21.673	0.025	108269414	17.215	172149.047
Dibromochloromethane	22.409	22.384	0.025	75953941	20.321	203206.020
Chlorobenzene	24.286	24.260	0.026	43846180	17.787	177866.015
Bromoform	26.832	26.803	0.029	47382317	20.055	200550.232
1,1,2,2-Tetrachloroethane	28.346	28.319	0.028	71888188	17.958	179582.258
1,3-Dichlorobenzene	31.380	31.350	0.029	57450644	18.281	182811.810
1,4-Dichlorobenzene	31.666	31.637	0.029	61808275	17.296	172961.498
1,2-Dichlorobenzene	32.851	32.823	0.028	57683337	17.278	172777.687
Bromochloromethane(sur)	12.356	12.335	0.021	85413270	29.057	29.057

306415



Method : /chem/VOAGC2.i/601/02-10-00/10FEB00.b/601_99.m
Sample Info : 182355MSD;;10000
Lab ID : 182355MSD
Inj Date : 11-FEB-2000 01:23
Operator : SP
Cpnd Sublist: 601

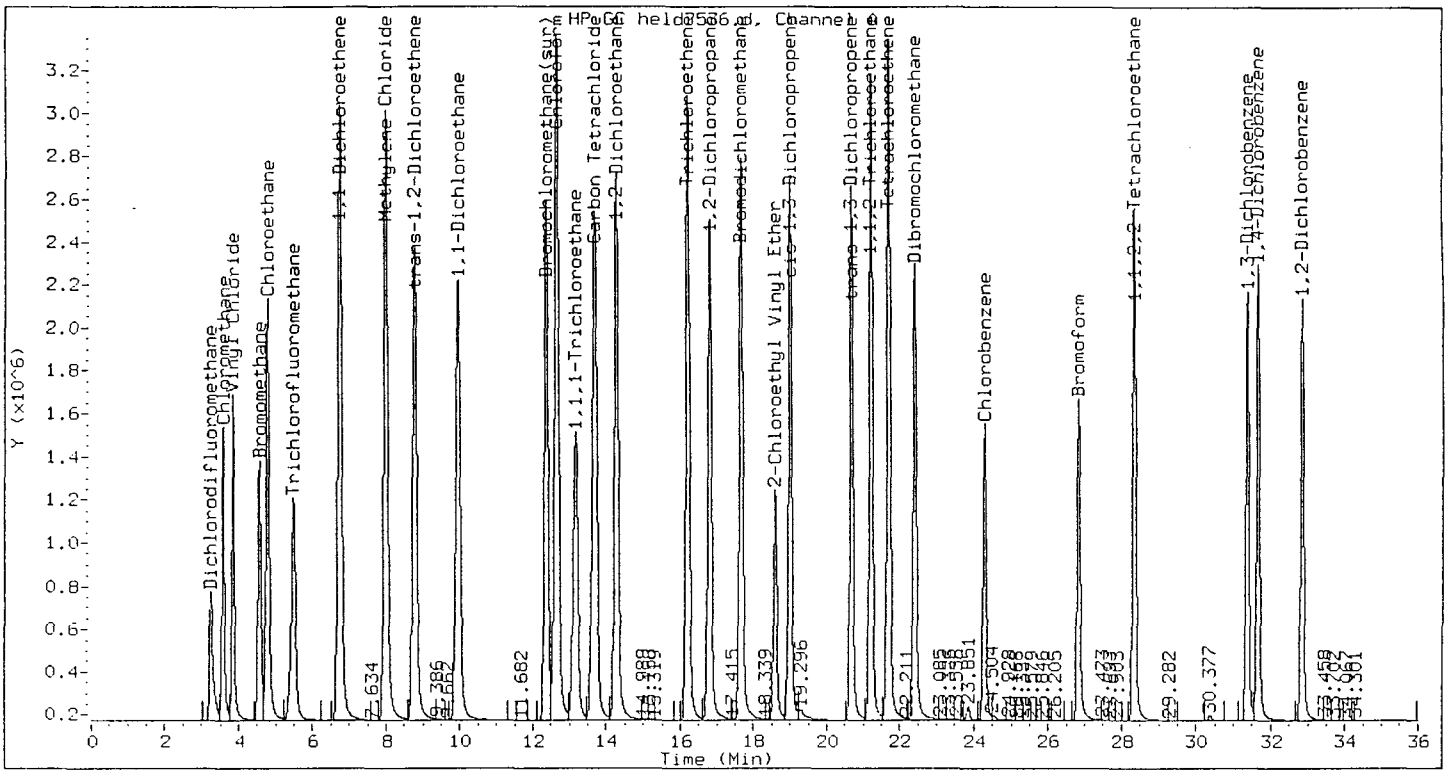
Inst ID : VOAGC2.i
Dil Factor : 10000
Sample Matrix : WATER
Sample Type: MSD

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
Dichlorodifluoromethane	3.232	3.229	0.003	19776424	15.509	155088.232
Chloromethane	3.566	3.559	0.007	28756347	17.819	178194.996
Vinyl Chloride	3.836	3.828	0.008	36927325	19.027	190274.460
Bromomethane	4.551	4.538	0.013	37365785	22.723	227226.796
Chloroethane	4.764	4.752	0.012	64194627	19.355	193553.735
Trichlorofluoromethane	5.473	5.465	0.008	28371632	15.126	151256.975
1,1-Dichloroethene	6.726	6.713	0.013	112276212	17.551	175512.525
Methylene Chloride	7.976	7.958	0.018	244631617	39.419	394192.941
trans-1,2-Dichloroethene	8.765	8.751	0.014	93463108	17.675	176753.584

306416

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1,1-Dichloroethane	9.936	9.922	0.014	92289680	17.448	174479.180
Chloroform	12.642	12.627	0.015	135411144	19.383	193834.028
1,1,1-Trichloroethane	13.156	13.139	0.017	66474832	18.623	186234.516
Carbon Tetrachloride	13.679	13.661	0.019	115166643	18.490	184898.476
1,2-Dichloroethane	14.269	14.250	0.019	97831517	18.411	184109.919
Trichloroethene	16.197	16.176	0.021	106313285	18.301	183010.125
1,2-Dichloropropane	16.799	16.777	0.022	93596427	19.518	195180.344
Bromodichloromethane	17.659	17.637	0.023	97236697	20.639	206388.832
2-Chloroethyl Vinyl Ether	18.597	18.574	0.023	35325044	19.953	199528.271
cis-1,3-Dichloropropene	19.004	18.980	0.025	80815084	18.339	183392.060
trans-1,3-Dichloropropene	20.679	20.653	0.025	74011446	18.115	181154.626
1,1,2-Trichloroethane	21.213	21.187	0.026	102560757	18.703	187033.448
Tetrachloroethene	21.700	21.673	0.027	109102921	17.347	173474.328
Dibromochloromethane	22.410	22.384	0.026	75796635	20.279	202785.166
Chlorobenzene	24.288	24.260	0.029	43999645	17.849	178488.559
Bromoform	26.833	26.803	0.029	47870471	20.262	202616.391
1,1,2,2-Tetrachloroethane	28.347	28.319	0.028	73286527	18.308	183075.417
1,3-Dichlorobenzene	31.380	31.350	0.029	57517592	18.302	183024.843
1,4-Dichlorobenzene	31.665	31.637	0.028	62415843	17.466	174661.689
1,2-Dichlorobenzene	32.850	32.823	0.028	58490622	17.520	175195.731
Bromochloromethane(sur)	12.351	12.335	0.016	87158344	29.651	29.651

306417



Method : /chem/VOAGC2.i/601/02-10-00/11FEB00.b/601_99.m
Sample Info : 3806BS
Lab ID : 3806BS
Inj Date : 11-FEB-2000 12:58
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.235	3.228	0.007	19803774	15.530	15.530
Chloromethane	3.567	3.558	0.008	30734913	19.046	19.046
Vinyl Chloride	3.836	3.827	0.009	34672353	17.866	17.866
Bromomethane	4.547	4.529	0.018	34785020	21.140	21.140
Chloroethane	4.762	4.748	0.014	60174469	18.143	18.143
Trichlorofluoromethane	5.471	5.460	0.011	43440714	21.987	21.987
1,1-Dichloroethene	6.723	6.710	0.013	107997679	16.882	16.882
Methylene Chloride	7.974	7.960	0.014	106370506	17.140	17.140
trans-1,2-Dichloroethene	8.763	8.748	0.015	87620211	16.570	16.570

306418

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1,1-Dichloroethane	9.933	9.920	0.014	88577127	16.746	16.746
Chloroform	12.638	12.628	0.010	129186460	18.368	18.368
1,1,1-Trichloroethane	13.153	13.139	0.013	62483040	17.505	17.505
Carbon Tetrachloride	13.674	13.665	0.009	109177452	17.528	17.528
1,2-Dichloroethane	14.260	14.253	0.007	92837290	17.471	17.471
Trichloroethene	16.186	16.180	0.005	99167884	17.071	17.071
1,2-Dichloropropane	16.788	16.784	0.004	86867548	18.115	18.115
Bromodichloromethane	17.648	17.644	0.003	90894986	19.293	19.293
2-Chloroethyl Vinyl Ether	18.586	18.583	0.004	33761848	19.070	19.070
cis-1,3-Dichloropropene	18.993	18.989	0.004	78462044	17.805	17.805
trans-1,3-Dichloropropene	20.669	20.666	0.003	72385339	17.717	17.717
1,1,2-Trichloroethane	21.202	21.200	0.002	95841382	17.478	17.478
Tetrachloroethene	21.689	21.686	0.003	103280055	16.422	16.422
Dibromochloromethane	22.399	22.398	0.001	69661524	18.637	18.637
Chlorobenzene	24.277	24.278	0.001	40370001	16.376	16.376
Bromoform	26.823	26.825	0.001	45528406	19.270	19.270
1,1,2,2-Tetrachloroethane	28.337	28.339	0.003	72090723	18.009	18.009
1,3-Dichlorobenzene	31.370	31.372	0.003	55392685	17.626	17.626
1,4-Dichlorobenzene	31.654	31.658	0.004	60561079	16.947	16.947
1,2-Dichlorobenzene	32.841	32.843	0.002	56871240	17.035	17.035
Bromochloromethane(sur)	12.347	12.337	0.010	83683085	28.468	28.468

306419

92 PROJECT

Notebook No. ____

Continued From Page ____

Subdirectory: E021100

Analysis: 601

Date	Data File ID #	A S	SAMPLE	Sublist	JOB	QA	LPB	pH	W/V	D.F	Std Lot #	Comments	Analyst
2-11-00	HELD 7532	1	HSTD 020	601							SYST	NG	SP
	7533	2	020								V00-048	NG	
	7534	3	020								Std	NG	
	7535	4	020								V00-099	G	
	7536	5	3806 BS								-100	G	
	7537	6	HG 042				HG 042				-101	G	
	7538	7	181994MS		X160	3805			Sum	5+	BS V00-104	G	
	7539	8	181994MSD								-105 -106	G	

Signed: Shailesh Patel Date: 2-11-00

Read and Understood By Signed: [illegible] Date: 2/11/00

306420

Continued on Page

Subdivisions: E021000 Analysis: 601

Date	Data File ID #	A/S	SAMPLE	Sublist	JOB	QA	LPB	pH	W/V	D.F	Std lot #	Comments	Analyst
2-10-00	HELD 7508	1	HSTD 002	601			HG 041				Surr V00-043	NG	SP
	7509	2	005									G	
	7510	3	010								Std V00-099	G	
	7511	4	020									G	
	7512	5	040								-100 -101	G	
	7513	6	002									G	
	7514	7	3805 BS								BS V00-104	G	
	7515	8	HG041								-105 -106	G	
	7516	9	181996	MeCl2	X153	3805		6.0	50ml	St		G	
	7517	10	181997									G	
	7518	11	181998	601	X160							G	
	7519	12	181999									G	
	7520	13	182339	MeCl2	X226			7.0				G	
	7521	14	182340					6.0				G	
	7522	15	182341									G	
	7523	16	182342									G	
	7524	17	182343									G	
	7525	18	182344									G	
	7526	19	182345			3806						G	
	7527	20	182355		X228	3806			5ml	10000		G	
	7528	21	182356						50ml	St		G	
	7529	22	182808	601	X303	3806		1.6				G	
	7530	23	182355MS	601	X228	3806		6.0	5ml	10000		G	
	7531	24	182355MSD									G	

Signed: Sheilah Reed Date: 2-10-00

Read and Understood By: Signed: [illegible] Date: 2/11/00

Continued on Page

306421

PROJECT

Notebook No. _____

Continued From Page _____

Client ID: **SSAW-9**
Site: Klockner & Klockner

Lab Sample No: **182785**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7569.d

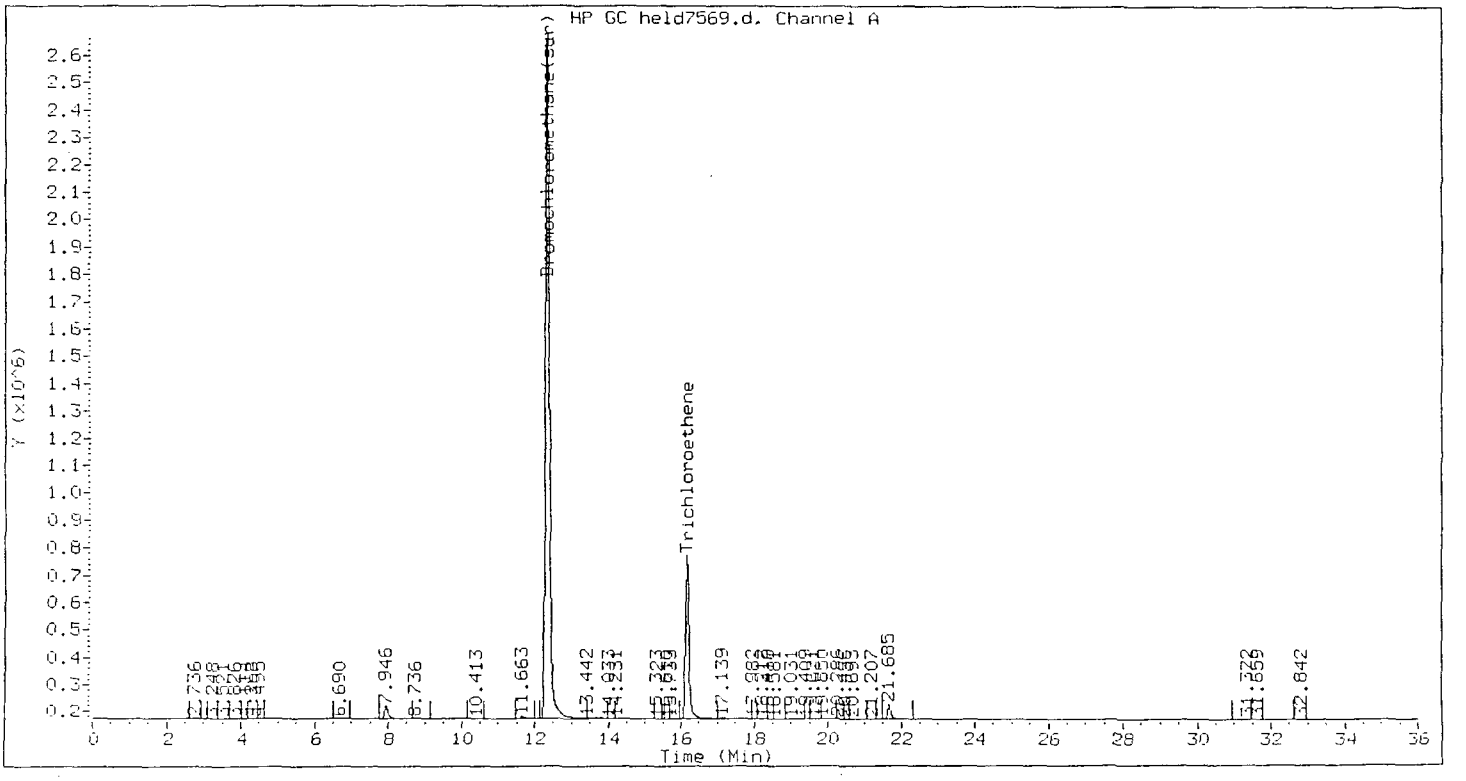
Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

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	440	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

306422

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7569.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182785;;50
Lab ID : 182785
Inj Date : 15-FEB-2000 14:09
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	16.178	16.173	0.005	20879754	3.806	442.895
Bromochloromethane(sur)	12.338	12.331	0.007	92129319	26.281	3058.596

306423

Client ID: **SSAW-11**
Site: Klockner & Klockner

Lab Sample No: **182786**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7570.d

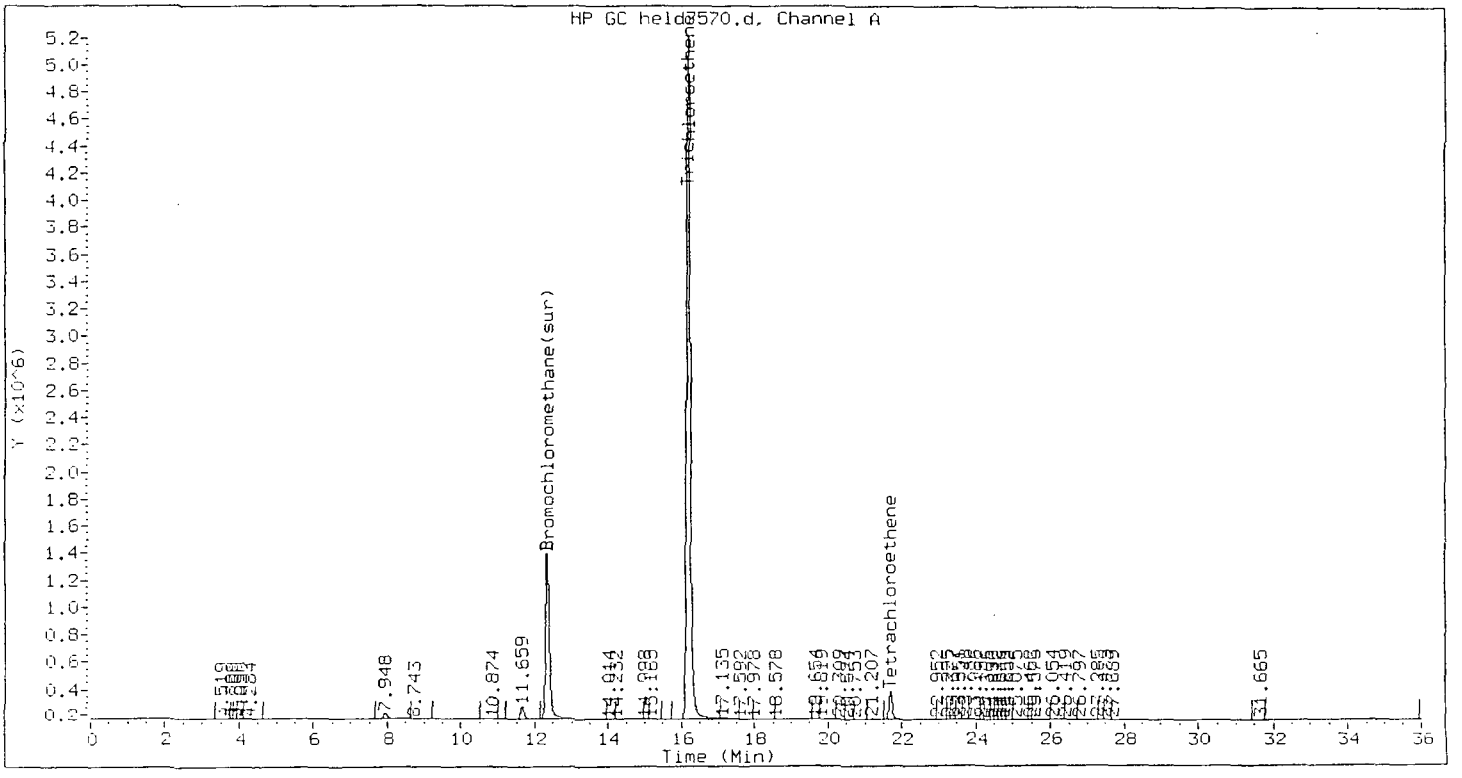
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 24.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	300
Chloromethane	ND	300
Vinyl Chloride	ND	300
Bromomethane	ND	300
Chloroethane	ND	300
Trichlorofluoromethane	ND	300
1,1-Dichloroethene	ND	300
Methylene Chloride	ND	300
trans-1,2-Dichloroethene	ND	300
1,1-Dichloroethane	ND	300
cis-1,2-Dichloroethene	ND	300
Chloroform	ND	300
1,1,1-Trichloroethane	ND	300
Carbon Tetrachloride	ND	300
1,2-Dichloroethane	ND	300
Trichloroethene	9900	300
1,2-Dichloropropane	ND	300
Bromodichloromethane	ND	300
2-Chloroethyl Vinyl Ether	ND	300
cis-1,3-Dichloropropene	ND	300
trans-1,3-Dichloropropene	ND	300
1,1,2-Trichloroethane	ND	300
Tetrachloroethene	370	300
Dibromochloromethane	ND	300
Chlorobenzene	ND	300
Bromoform	ND	300
1,1,2,2-Tetrachloroethane	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300

306424

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7570.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182786;;100
Lab ID : 182786
Inj Date : 15-FEB-2000 14:52
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	16.182	16.173	0.008	178273081	32.492	9896.874
Tetrachloroethene	21.686	21.676	0.010	7278158	1.212	369.119
Bromochloromethane(sur)	12.339	12.331	0.008	46816245	13.355	4067.783

306425

Client ID: **SSFS-1D**
Site: Klockner & Klockner

Lab Sample No: **182788**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7571.d

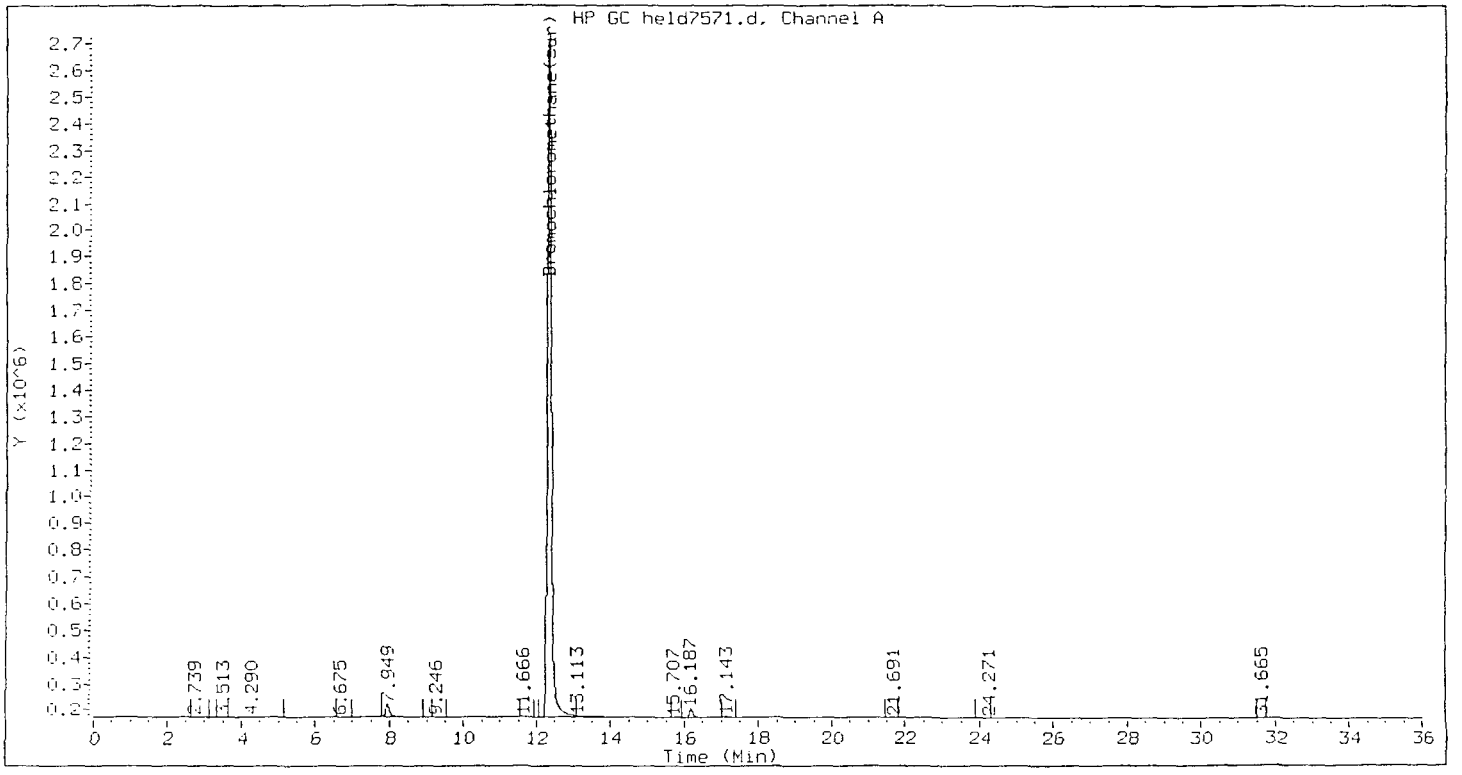
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 2.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

306426

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7571.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182788;;50
Lab ID : 182788
Inj Date : 15-FEB-2000 15:35
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 (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	12.339	12.331	0.009	95358215	27.202	3120.182

306427

Client ID: **SSNDS-1C**
Site: Klockner & Klockner

Lab Sample No: **182795**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7572.d

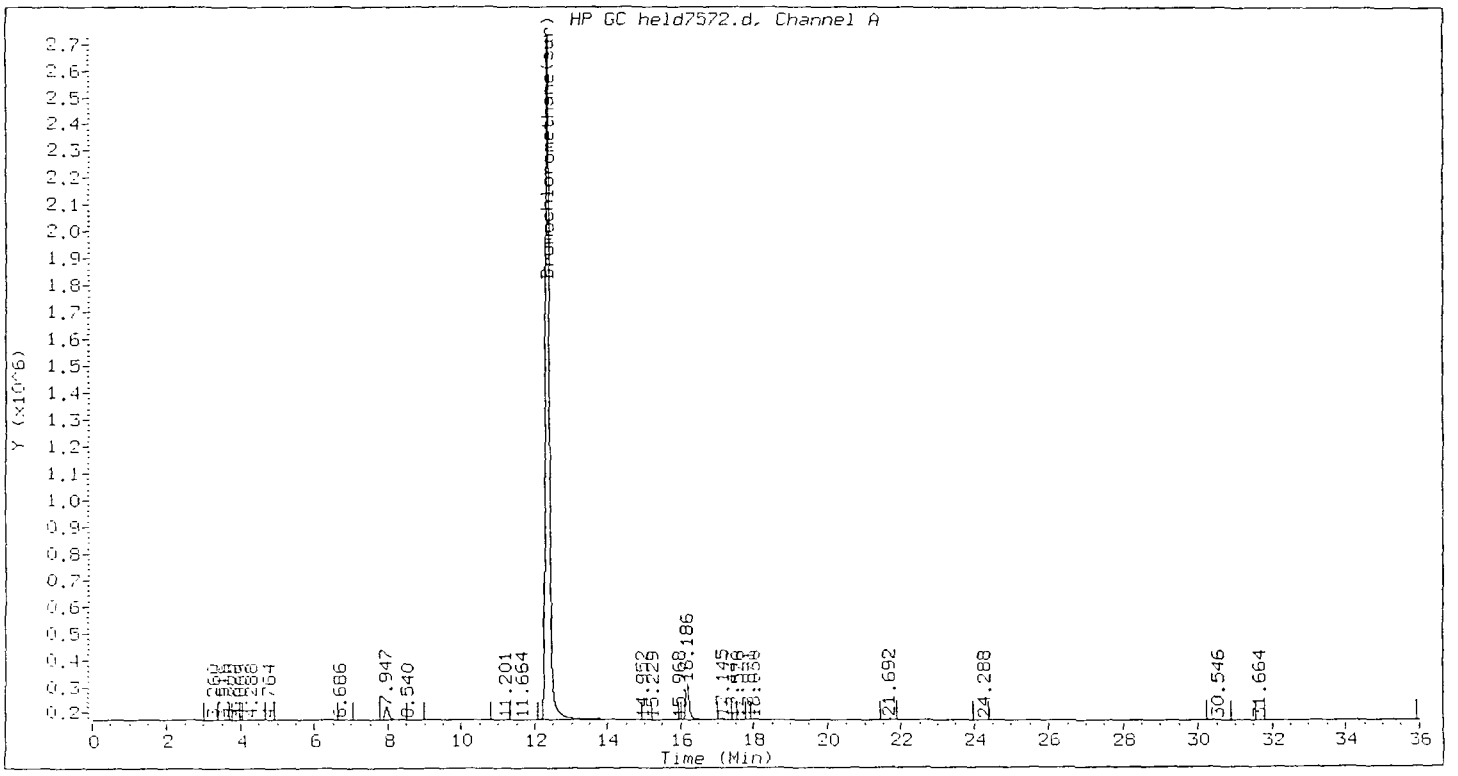
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.7

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

306428

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7572.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182795;;50
Lab ID : 182795
Inj Date : 15-FEB-2000 16:18
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)	12.338	12.331	0.008	96550437	27.542	3440.525

306429

Client ID: **SSNDS-1D**
Site: Klockner & Klockner

Lab Sample No: **182796**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7573.d

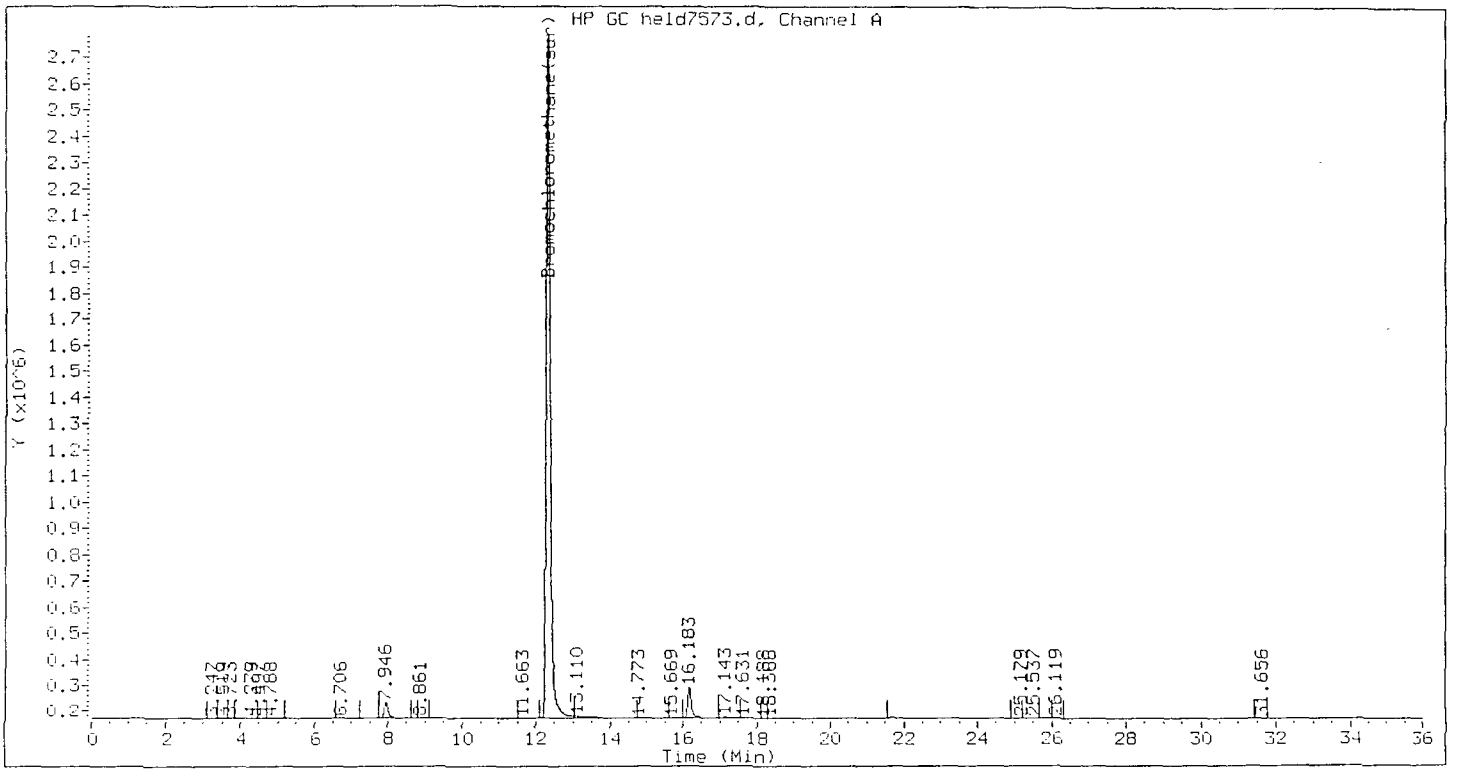
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.0

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

306430

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7573.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182796;;50
Lab ID : 182796
Inj Date : 15-FEB-2000 17:01
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)	12.335	12.331	0.005	97953481	27.942	3368.819

306431

Client ID: **SSNDS-2C**
Site: Klockner & Klockner

Lab Sample No: **182797**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7574.d

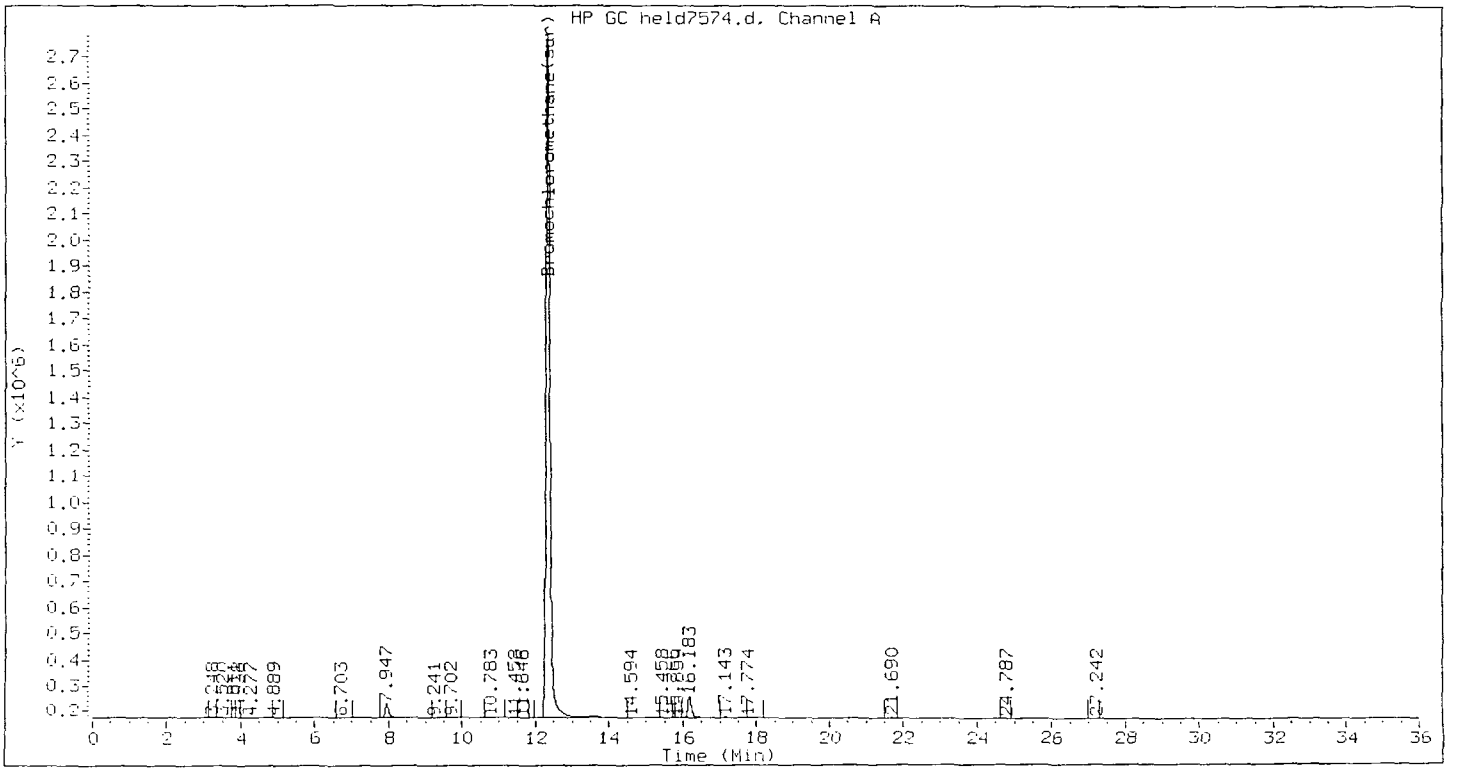
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.2

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

306432

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7574.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182797;;50
Lab ID : 182797
Inj Date : 15-FEB-2000 17:44
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)	12.336	12.331	0.005	97592641	27.839	3908.271

306433

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

Lab Sample No: **182798**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7575.d

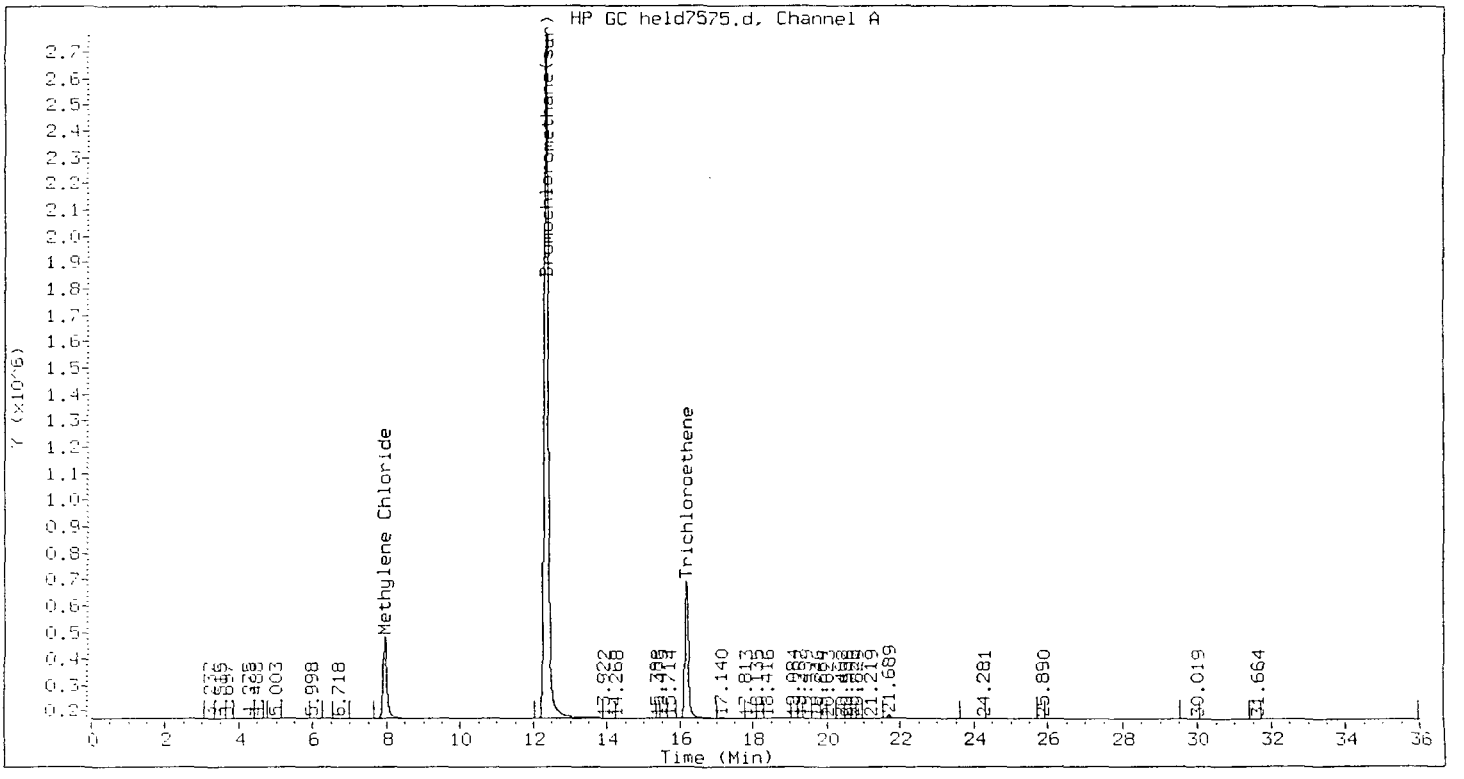
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.8

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	270	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	470	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

306434

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7575.d Page 1
Report Date 02/18/2000 10:12



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182798;;50
Lab ID : 182798
Inj Date : 15-FEB-2000 18:26
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)
Methylene Chloride	7.942	7.958	0.016	11876247	1.953	270.095
Trichloroethene	16.181	16.173	0.007	18695788	3.408	471.151
Bromochloromethane(sur)	12.334	12.331	0.003	97555497	27.829	3847.838

306435

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

Lab Sample No: **182799**
Lab Job No: X303

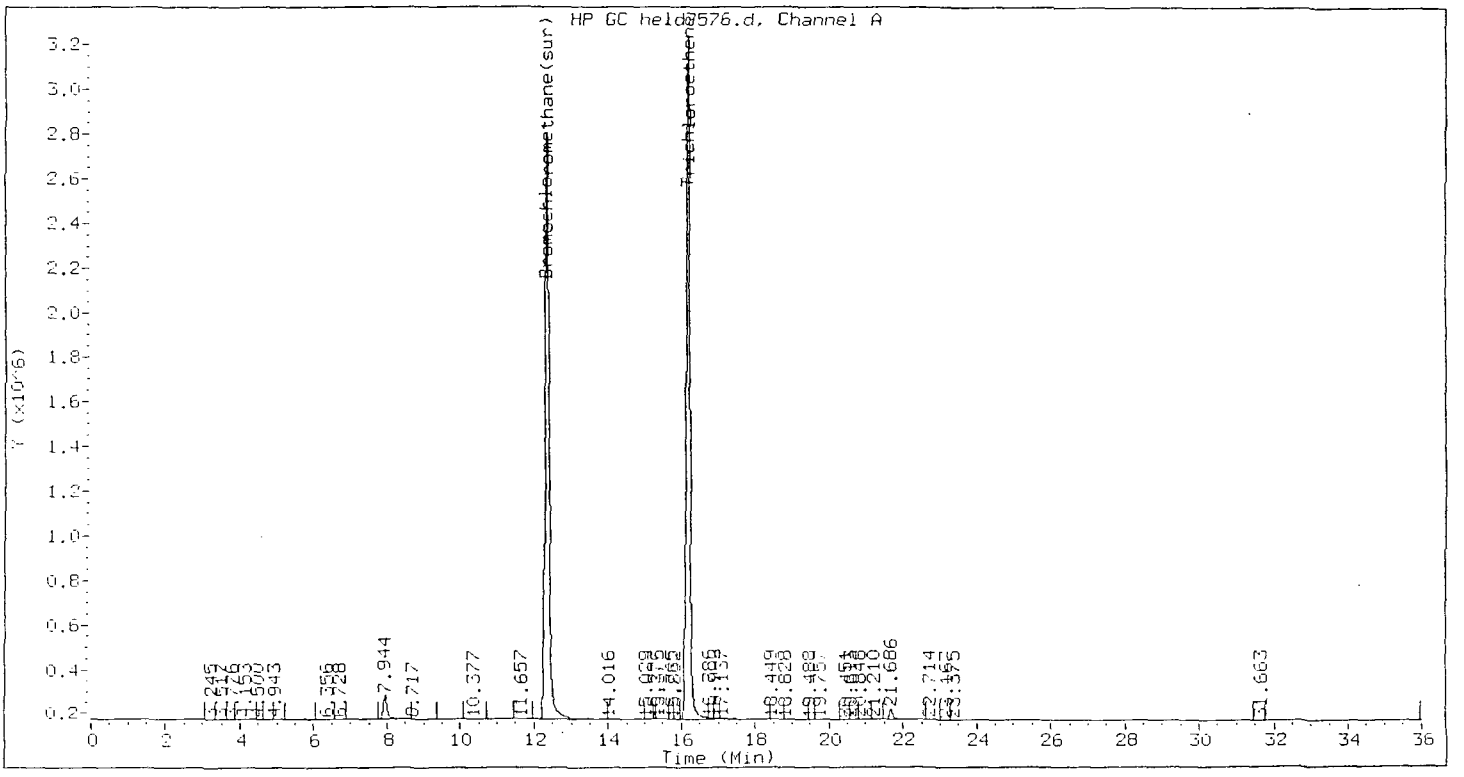
Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7576.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.9

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	2700	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

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7576.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182799;;50
Lab ID : 182799
Inj Date : 15-FEB-2000 19:09
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	16.178	16.173	0.004	106779652	19.462	2671.646
Bromochloromethane(sur)	12.334	12.331	0.004	99105915	28.271	3880.958

306437

Client ID: **SSNDS-4A**
Site: Klockner & Klockner

Lab Sample No: **182800**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7577.d

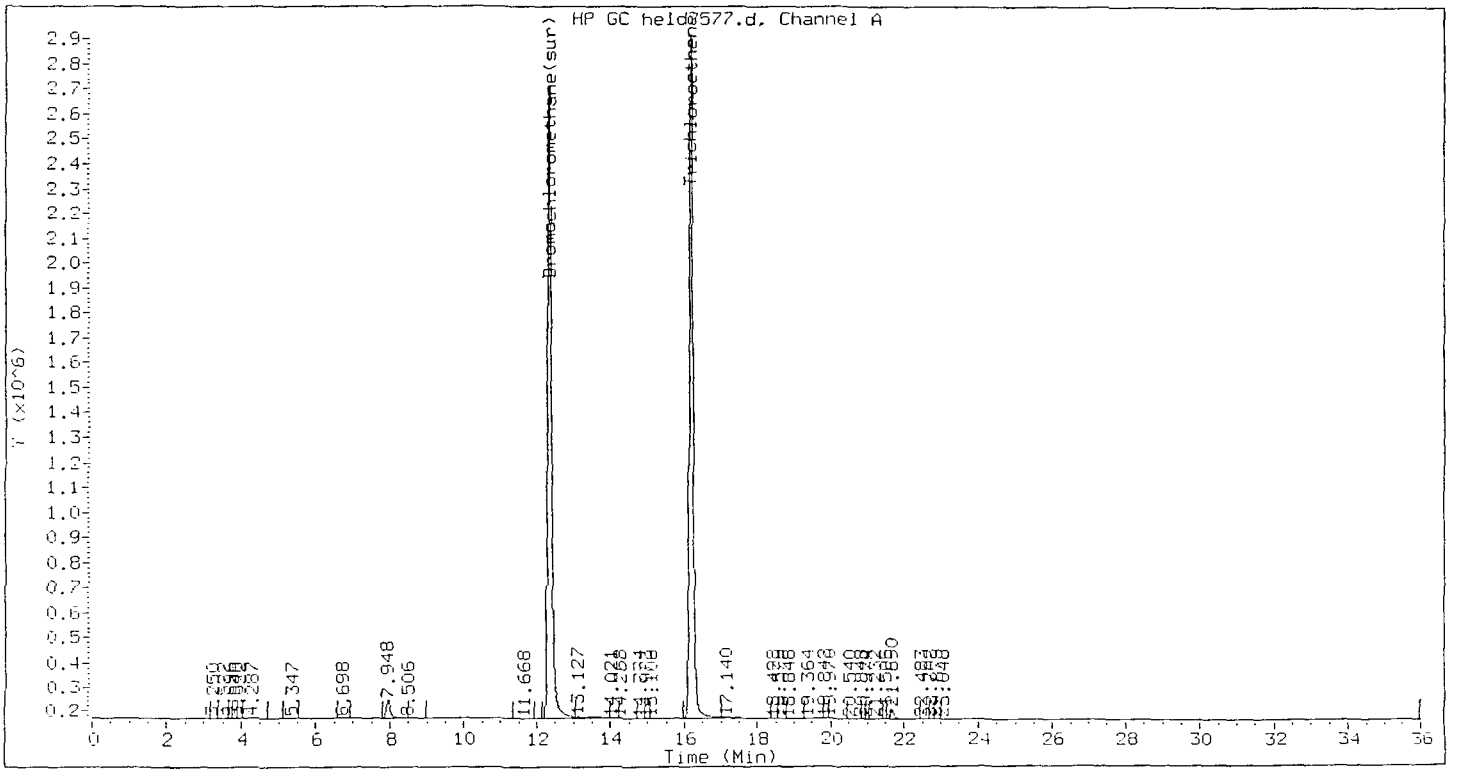
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	2300	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

306438

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7577.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182800;;50
Lab ID : 182800
Inj Date : 15-FEB-2000 19:52
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)	FINAL (ug/Kg)
Trichloroethene	16.182	16.173	0.009	95779564	17.457	2269.721
Bromochloromethane(sur)	12.338	12.331	0.008	94498011	26.957	3504.865

306439

Client ID: **SSNDS-4B**
Site: Klockner & Klockner

Lab Sample No: **182801**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7578.d

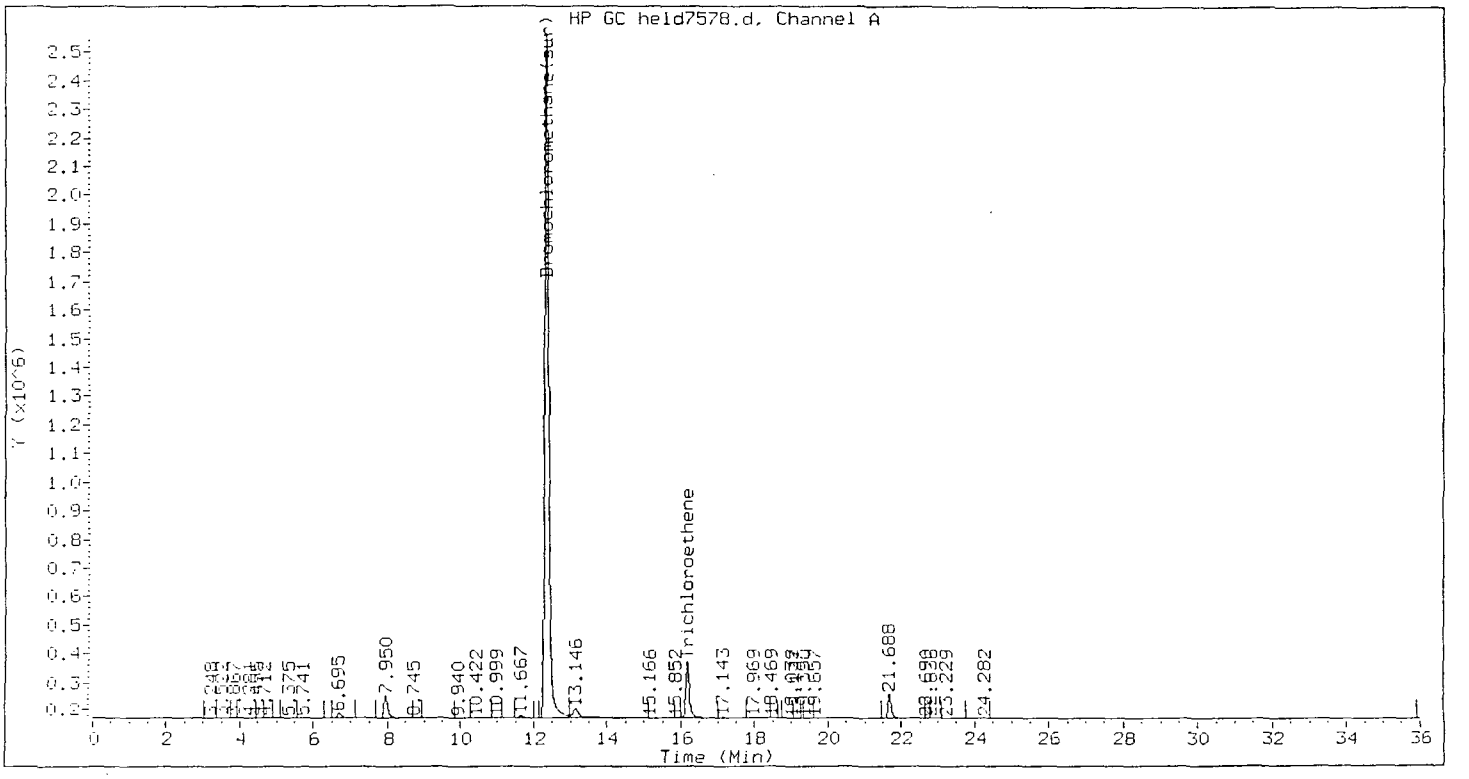
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	180	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

306440

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7578.d Page 1
Report Date 02/16/2000 07:37



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : 182801;;50
Lab ID : 182801
Inj Date : 15-FEB-2000 20:34
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	16.187	16.173	0.013	7285100	1.328	177.163
Bromochloromethane(sur)	12.343	12.331	0.012	89098823	25.416	3391.246

306441

Client ID: **SSNDS-5**
Site: Klockner & Klockner

Lab Sample No: **182802**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7600.d

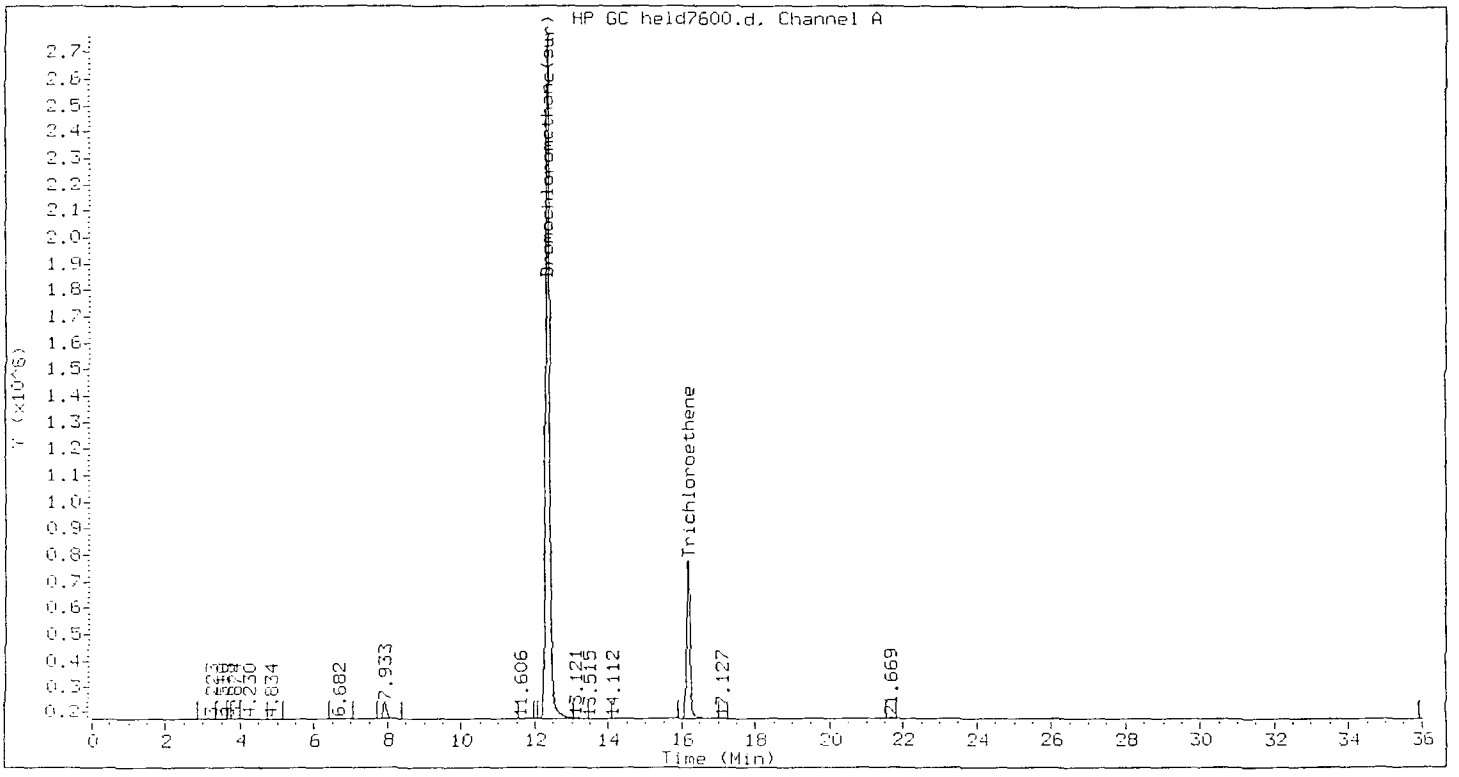
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	480	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

306442

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7600.d Page 1
Report Date 02/18/2000 07:19



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182802;;50
Lab ID : 182802
Inj Date : 17-FEB-2000 12:23
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)
Trichloroethene	16.165	16.142	0.023	20417138	3.721	476.863
Bromochloromethane(sur)	12.321	12.303	0.017	96112759	27.417	3513.409

306443

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

Lab Sample No: **182803**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7601.d

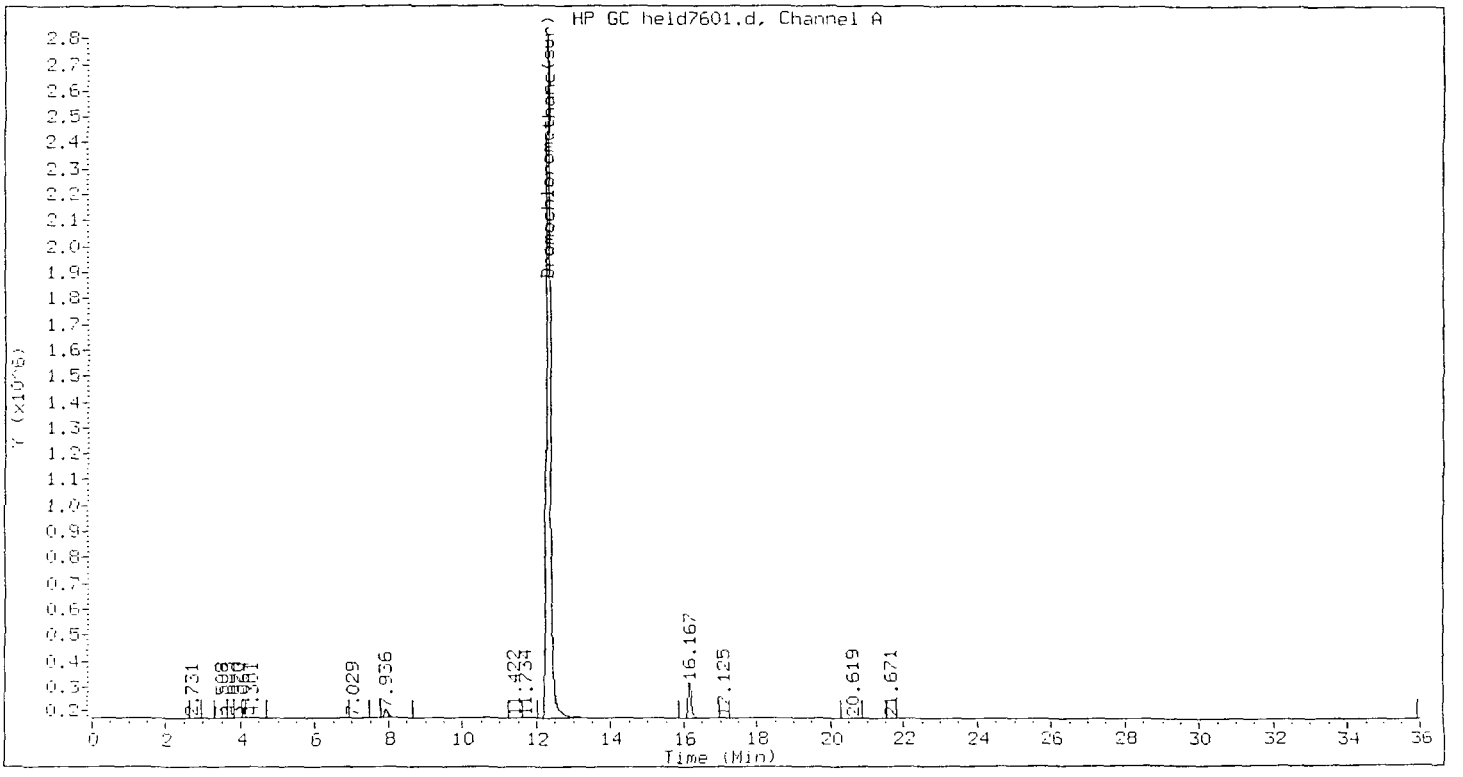
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

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

306444

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7601.d Page 1
Report Date 02/18/2000 07:19



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182803;;50
Lab ID : 182803 Inst ID : VOAGC2.i
Inj Date : 17-FEB-2000 13:06 Dil Factor : 50
Operator : SP Sample Matrix : SOIL
Cpnd Sublist: 601 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	12.324	12.303	0.020	98338770	28.052	3858.332

306445

Client ID: **SSNDS-6**
Site: Klockner & Klockner

Lab Sample No: **182804**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7602.d

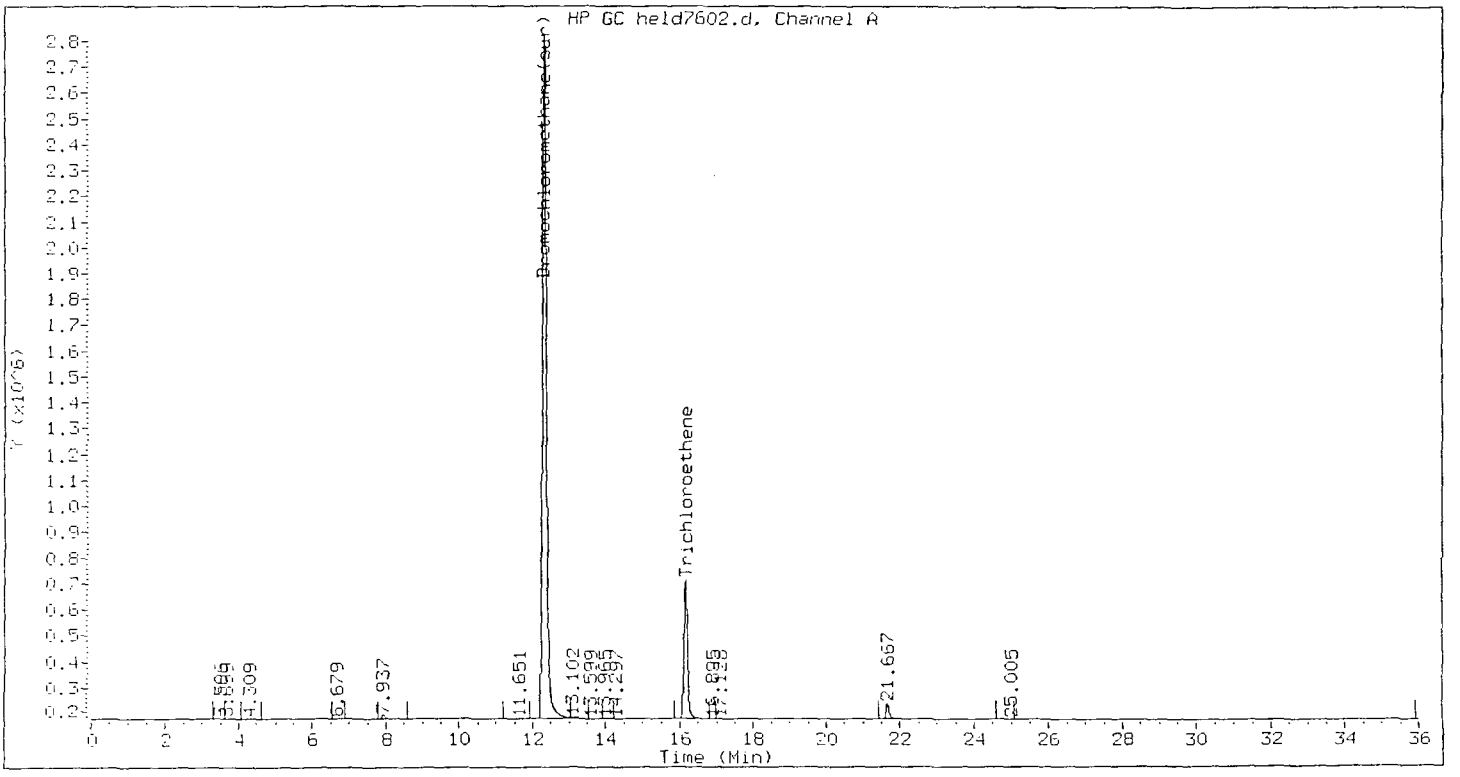
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.1

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	410	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

306446

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7602.d Page 1
Report Date 02/18/2000 07:20



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182804;;50
Lab ID : 182804
Inj Date : 17-FEB-2000 13:48
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	16.164	16.142	0.021	18303473	3.336	408.065
Bromochloromethane(sur)	12.325	12.303	0.021	99258945	28.315	3463.490

306447

Client ID: **SSNDS-7A**
Site: Klockner & Klockner

Lab Sample No: **182805**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7603.d

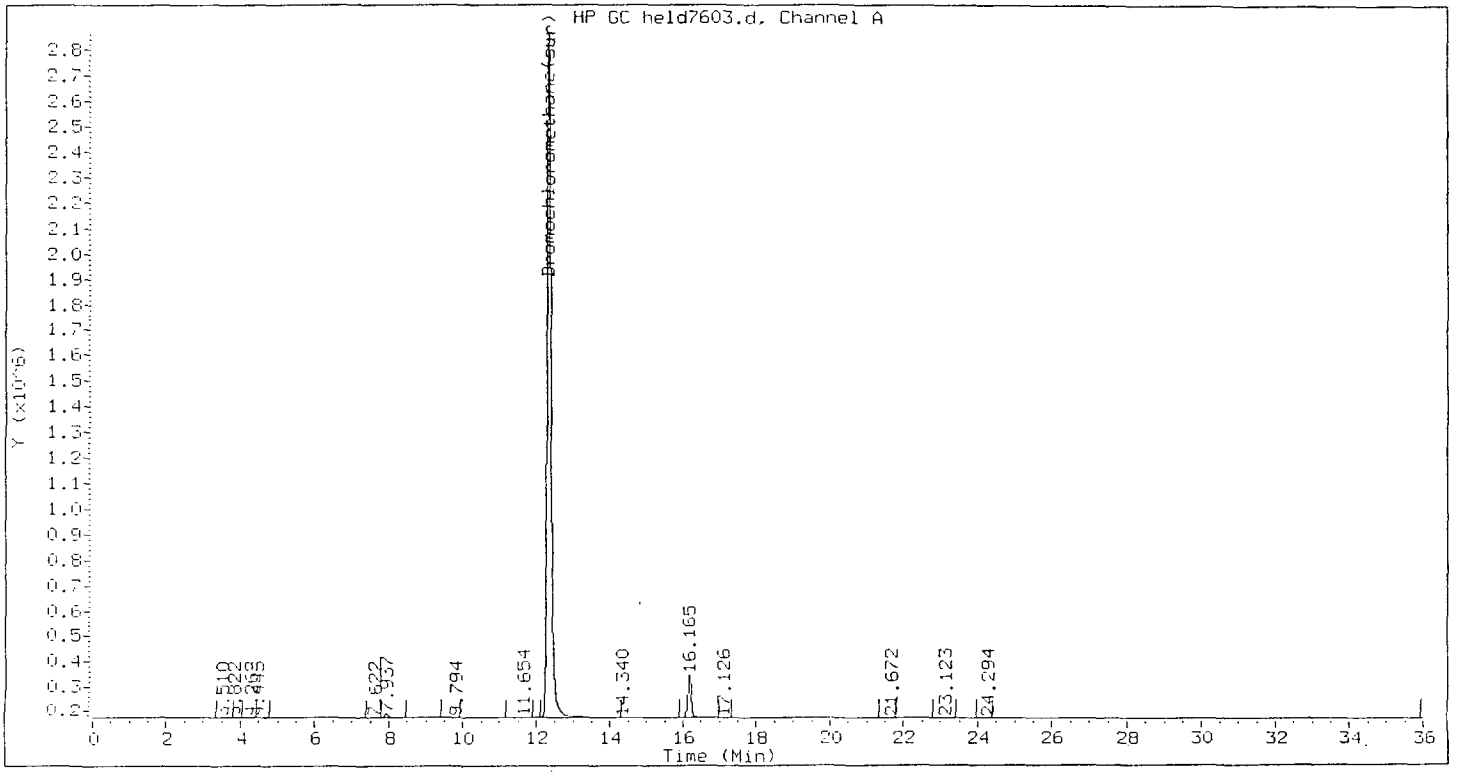
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.6

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

306448

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7603.d Page 1
Report Date 02/18/2000 07:20



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182805;;50
Lab ID : 182805
Inj Date : 17-FEB-2000 14:31
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)	12.322	12.303	0.018	100150738	28.569	3527.122

306449

Client ID: **SSNDS-7B**
Site: Klockner & Klockner

Lab Sample No: **182806**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7605.d

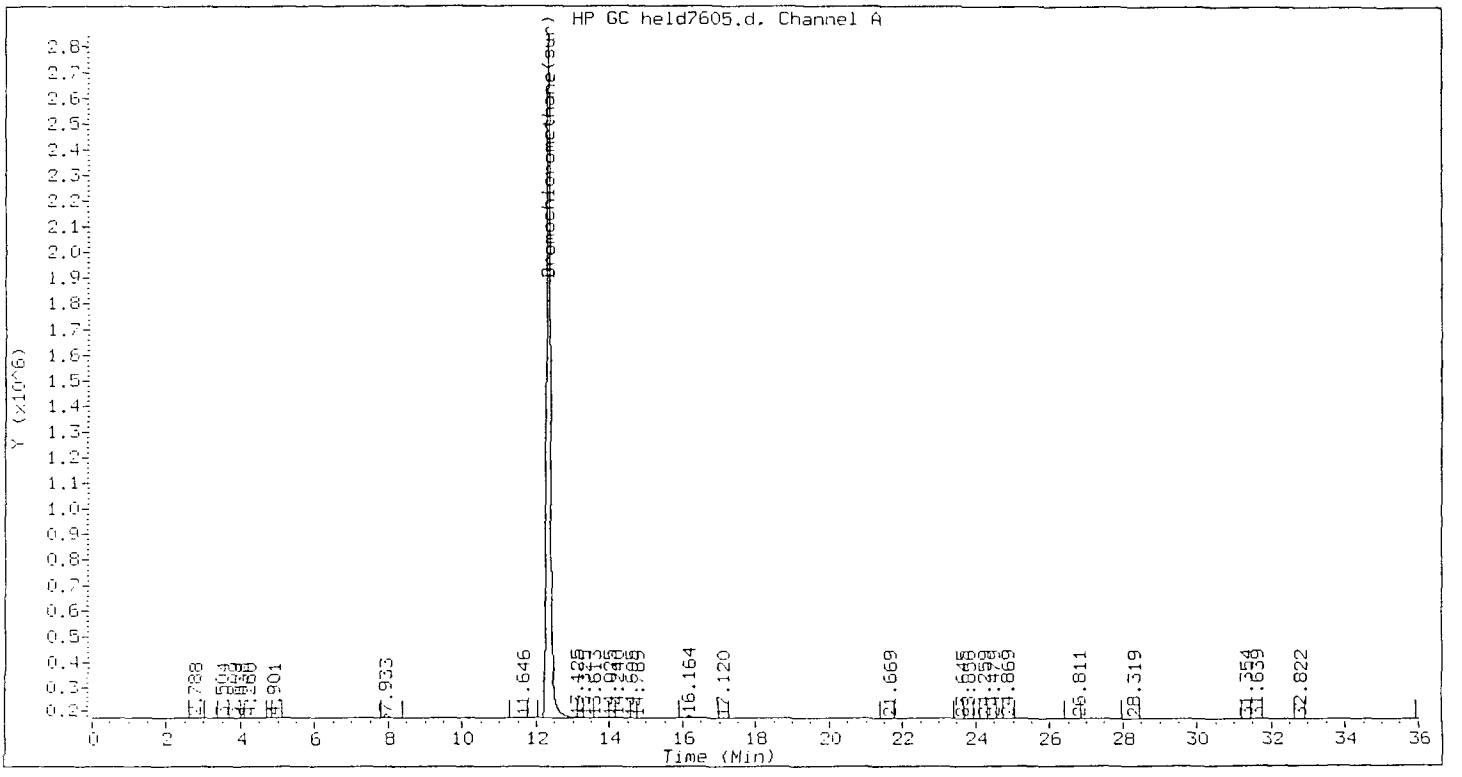
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

306450

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7605.d Page 1
Report Date 02/18/2000 07:20



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182806;;50
Lab ID : 182806
Inj Date : 17-FEB-2000 16:06
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)	12.316	12.303	0.013	97872353	27.919	3620.602

306451

Client ID: **SSNDS-8**
Site: Klockner & Klockner

Lab Sample No: **182807**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7606.d

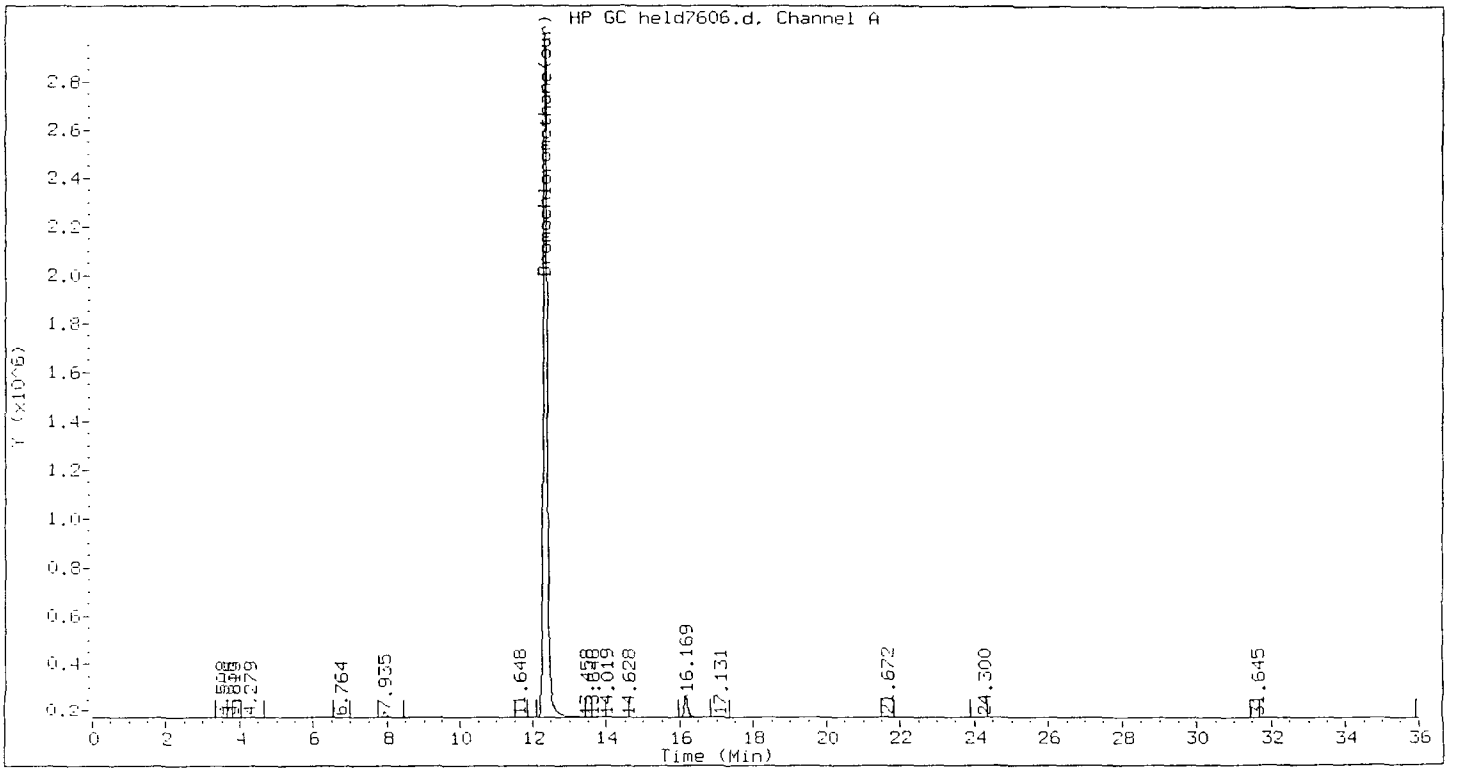
Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

306452

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7606.d Page 1
Report Date 02/18/2000 07:20



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182807;;50
Lab ID : 182807
Inj Date : 17-FEB-2000 16:48
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)	FINAL (ug/Kg)
Bromochloromethane(sur)	12.324	12.303	0.020	104696551	29.866	3420.278

306453

Client ID: **TB0200**
Site: Klockner & Klockner

Lab Sample No: **182809**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7607.d

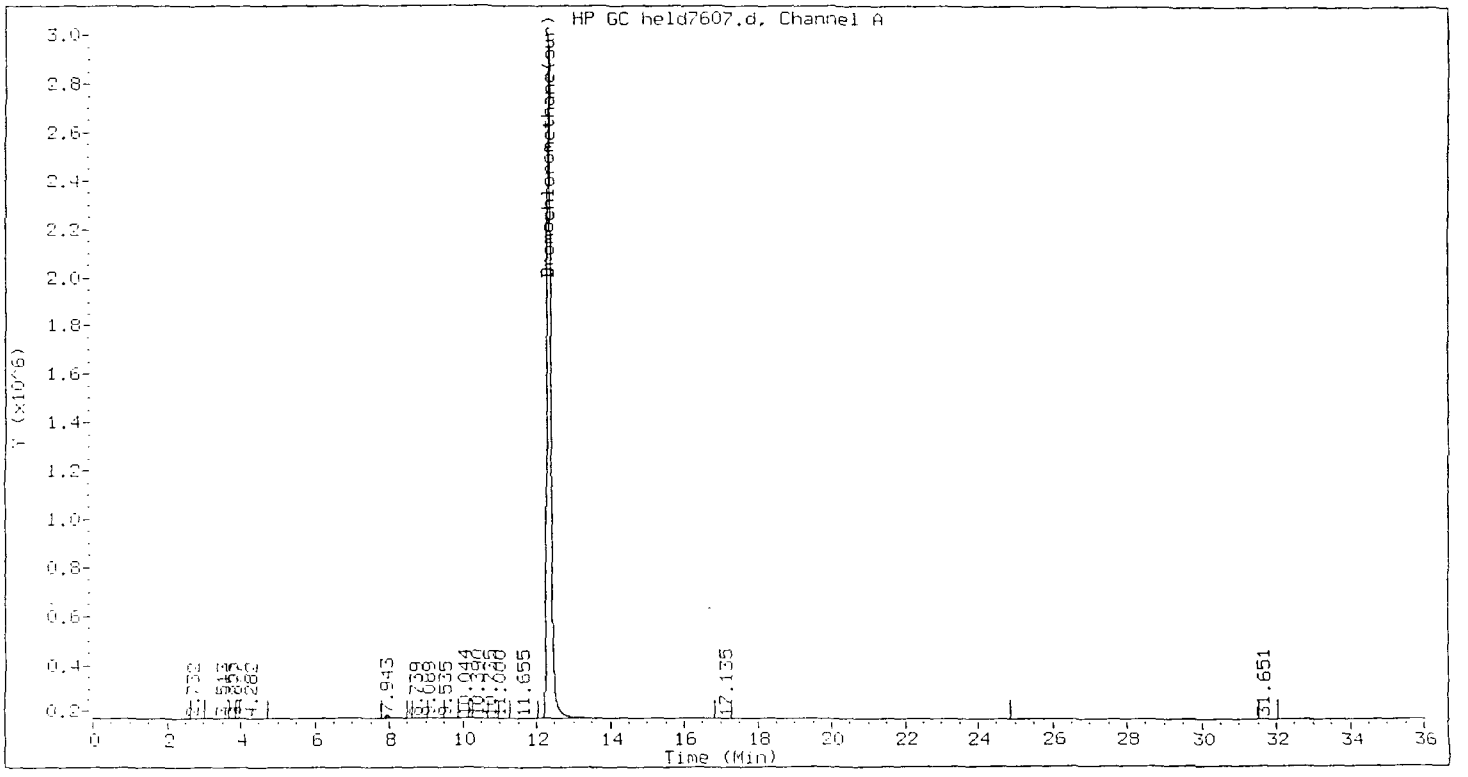
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

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

306454

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7607.d Page 1
Report Date 02/18/2000 14:27



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182809;;50
Lab ID : 182809
Inj Date : 17-FEB-2000 17:31
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)	12.328	12.303	0.024	105639596	30.135	3766.860

306455

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

HG046

Date Analyzed: 02/15/00

Instrument ID: VOAGC2

Time Analyzed: 1322

Lab File ID: HELD7568

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-9	182785	HELD7569	1409
02	SSAW-11	182786	HELD7570	1452
03	SSFS-1D	182788	HELD7571	1535
04	SSNDS-1C	182795	HELD7572	1618
05	SSNDS-1D	182796	HELD7573	1701
06	SSNDS-2C	182797	HELD7574	1744
07	SSNDS-3A	182798	HELD7575	1826
08	SSNDS-3B	182799	HELD7576	1909
09	SSNDS-4A	182800	HELD7577	1952
10	SSNDS-4B	182801	HELD7578	2034
11				
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COMMENTS:

306456

Client ID: **HG046**
Site:

Lab Sample No: **HG046**
Lab Job No: X303

Date Sampled: _____
Date Received: _____
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7568.d

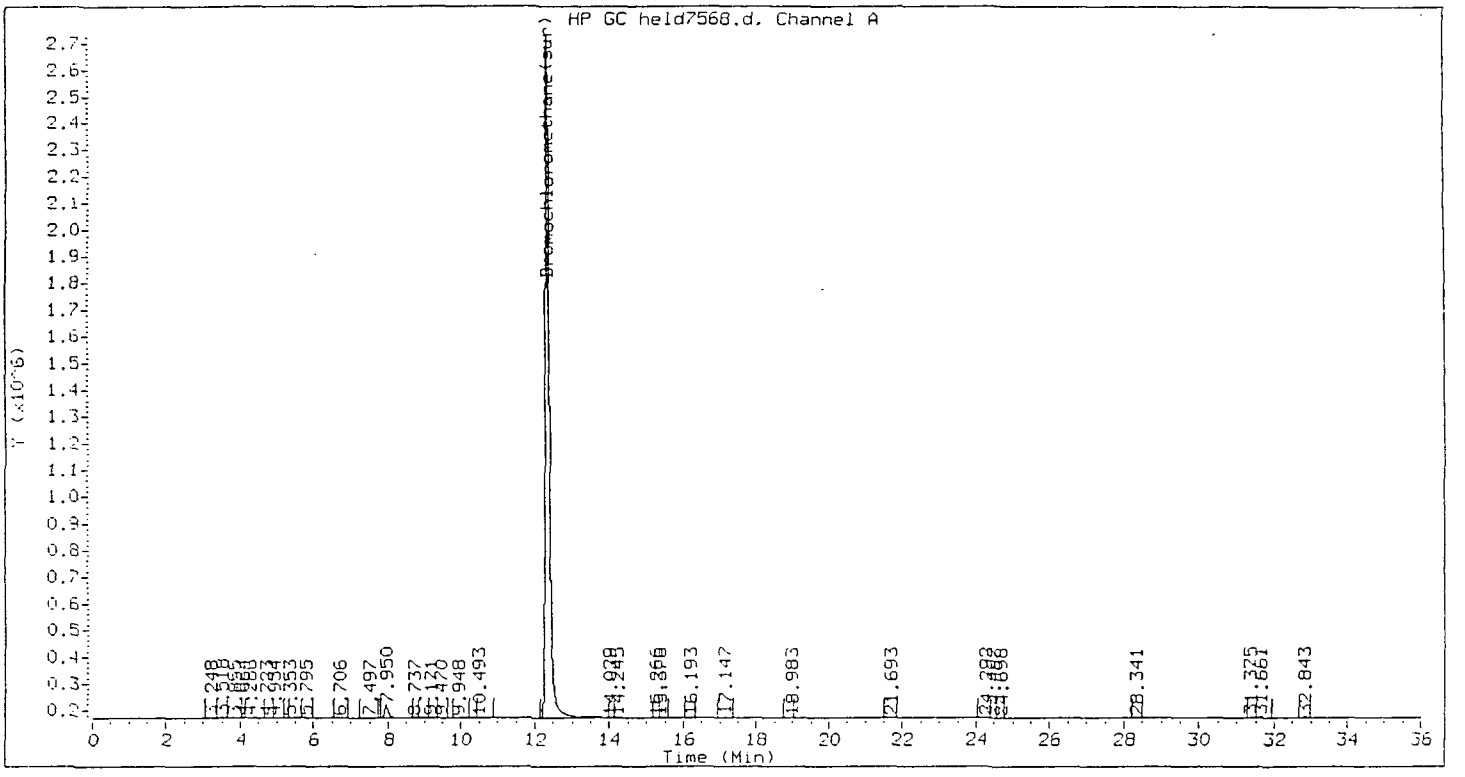
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

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

306457

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7568.d Page 1
Report Date 02/16/2000 07:36



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : HG046
Lab ID : HG046 Inst ID : VOAGC2.i
Inj Date : 15-FEB-2000 13:22 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)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	12.340	12.331	0.010	96648973	27.570	3446.275

306458

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

HG048

Date Analyzed: 02/17/00 Instrument ID: VOAGC2

Time Analyzed: 1058 Lab File ID: HELD7598

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSNDS-5	182802	HELD7600	1223
02	SSNDS-D	182803	HELD7601	1306
03	SSNDS-6	182804	HELD7602	1348
04	SSNDS-7A	182805	HELD7603	1431
05	SSNDS-7B	182806	HELD7605	1606
06	SSNDS-8	182807	HELD7606	1648
07	TB0200	182809	HELD7607	1731
08	SSNDS-3AMS	182798MS	HELD7608	1813
09	SSNDS-3AMSD	182798MSD	HELD7609	1856
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COMMENTS:

306459

Client ID: **HG048**
Site:

Lab Sample No: **HG048**
Lab Job No: X303

Date Sampled: _____
Date Received: _____
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7598.d

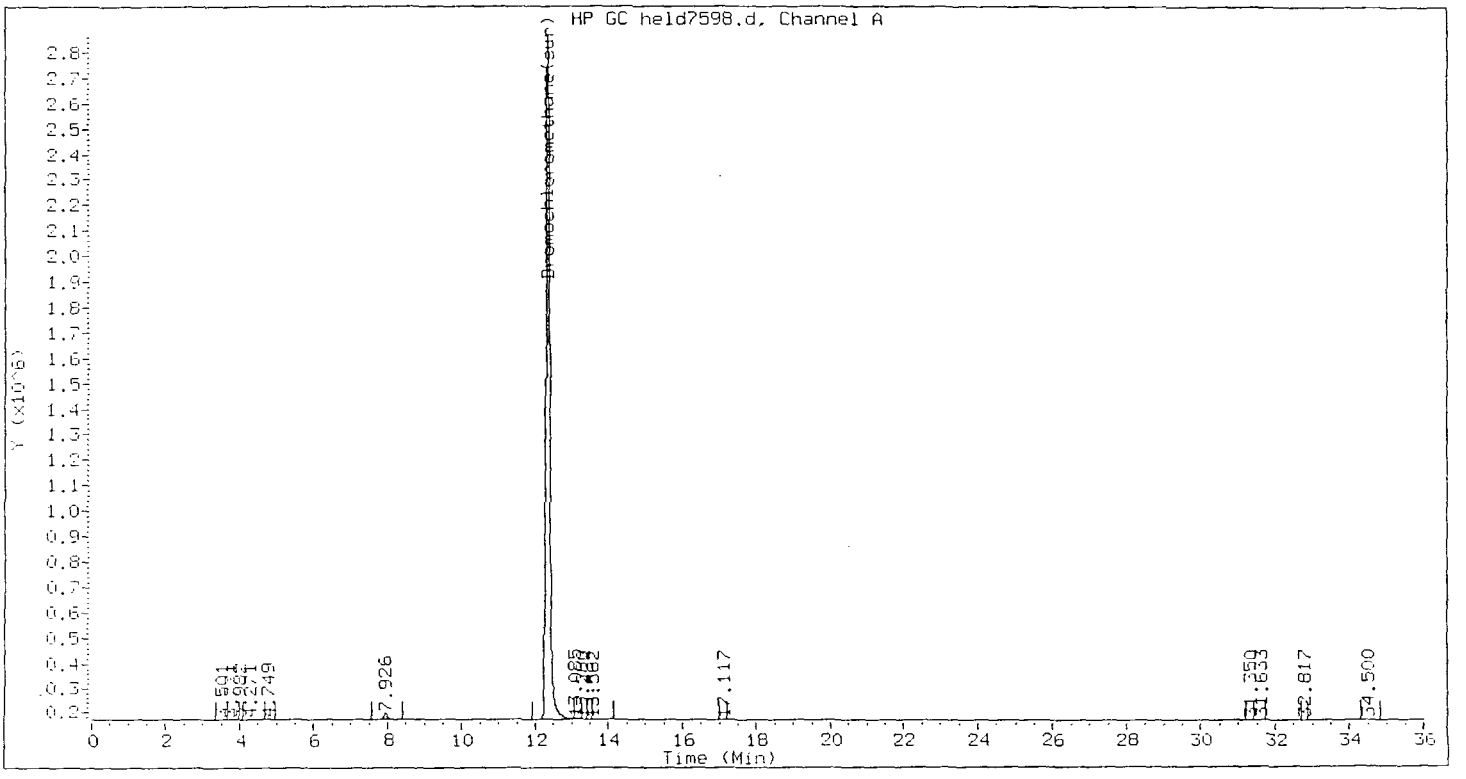
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

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

306460

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7598.d Page 1
Report Date 02/18/2000 07:19



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : HG048
Lab ID : HG048
Inj Date : 17-FEB-2000 10:58
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)	12.312	12.303	0.009	99570543	28.404	3550.452

306461

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/15/00 02/15/00

Calibration Time(s): 0851 1142

LAB FILE ID: RRF1: HELD7563 RRF5: HELD7564 RRF10: HELD7565
RRF20: HELD7562 RRF40: HELD7566

COMPOUND	RRF1	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	1153927	1125087	1198748	1311480	1220295
Chloromethane	2073030	1819396	1896599	1981540	1876821
Vinyl Chloride	2220201	1791144	1816305	1824033	1720821
Bromomethane	1215804	1297687	1441779	1478987	1389404
Chloroethane	3413263	3117794	3174663	3075116	2845195
Trichlorofluoromethane	1285275	1728659	1936011	2597011	2342002
1,1-Dichloroethene	6456442	6322246	5846147	5822927	5321860
Methylene Chloride	7151970	6220677	5830755	5836374	5358907
trans-1,2-Dichloroethene	5281041	5125490	4903895	4975604	4578989
1,1-Dichloroethane	5266458	5191299	4903164	4962158	4600305
cis-1,2-Dichloroethene	5085173	5042998	4804826	4834811	4495596
Chloroform	7068826	6945679	6508728	6521518	5909450
1,1,1-Trichloroethane	3209034	3318968	3264026	3489694	3298188
Carbon Tetrachloride	5800929	6076592	5842718	6011569	5469667
1,2-Dichloroethane	5518414	5328675	5065319	5061855	4593092
Trichloroethene	5726473	5677362	5515632	5507071	5006648
1,2-Dichloropropane	4733005	4721759	4533253	4546942	4181838
Bromodichloromethane	4817273	4561229	4472000	4454963	4161288
2-Chloroethyl Vinyl Ether	1636091	1623400	1633170	1680039	1580114
cis-1,3-Dichloropropene	4836188	4357479	4144761	4183541	3794506
trans-1,3-Dichloropropene	3832638	3980906	3854597	3908336	3562639
1,1,2-Trichloroethane	5502846	5506637	5240098	5187561	4720410
Tetrachloroethene	6451763	6336638	5955684	5956572	5328545
Dibromochloromethane	3577796	3785571	3495449	3514208	3271918
Chlorobenzene	2575850	2457530	2320893	2342920	2162716
Bromoform	1884489	2266692	2223162	2308145	2152770
1,1,2,2-Tetrachloroethane	3788120	4061192	3811527	3878250	3464694
1,3-Dichlorobenzene	2764968	3044813	3048945	3110291	2870186
1,4-Dichlorobenzene	3423966	3543117	3436222	3430931	3108763
1,2-Dichlorobenzene	3074087	3256112	3192011	3191903	2951989
Bromochloromethane(sur)	3318487	3610489	3500750	3662309	3435760

306462

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 02/15/00 02/15/00

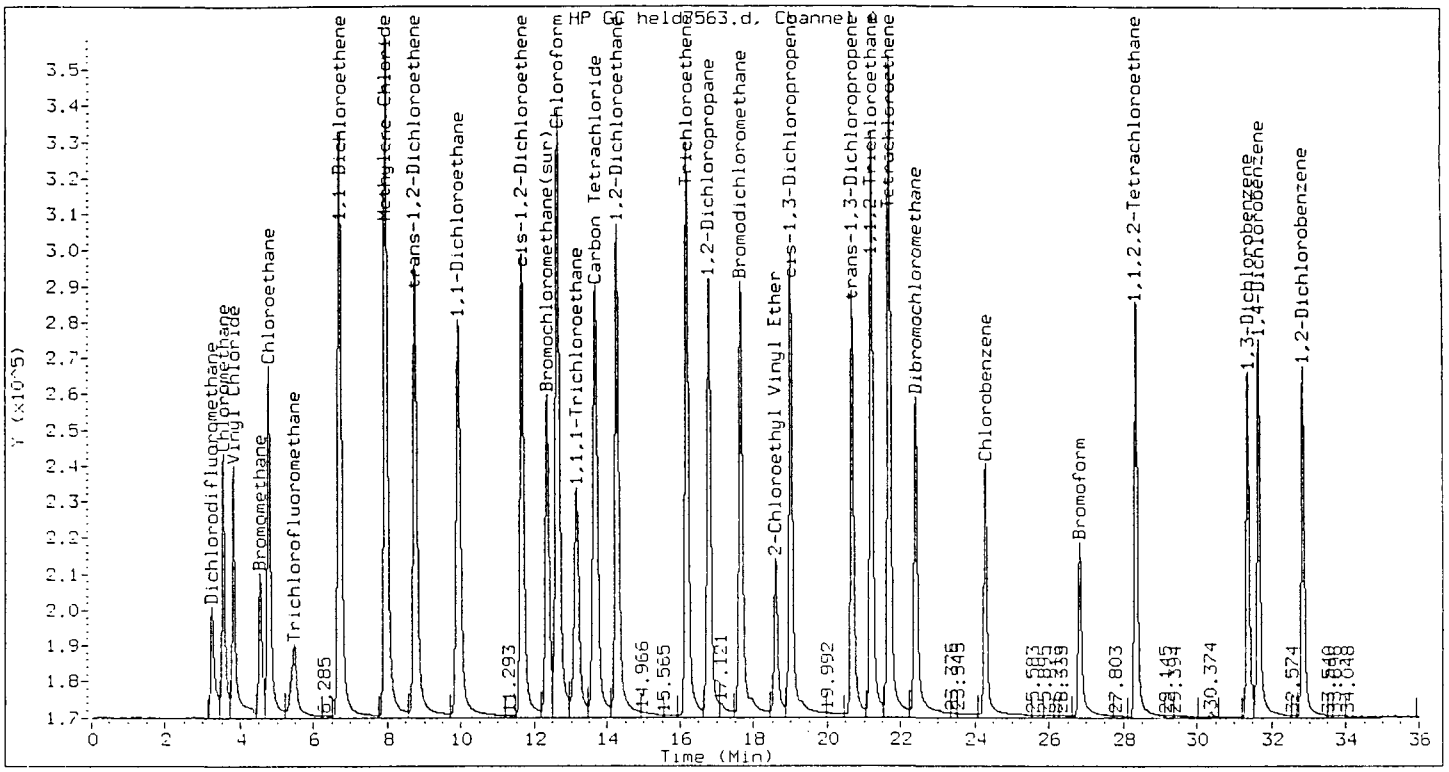
Calibration Time(s): 0851 1142

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dichlorodifluoromethane	AVRG	1201908	6.0*
Chloromethane	AVRG	1929477	5.1*
Vinyl Chloride	AVRG	1874501	10*
Bromomethane	AVRG	1364732	7.9*
Chloroethane	AVRG	3125206	6.5*
Trichlorofluoromethane	AVRG	1977792	26*
1,1-Dichloroethene	AVRG	5953924	7.6*
Methylene Chloride	AVRG	6079737	11*
trans-1,2-Dichloroethene	AVRG	4973004	5.3*
1,1-Dichloroethane	AVRG	4984677	5.3*
cis-1,2-Dichloroethene	AVRG	4852681	4.8*
Chloroform	AVRG	6590840	6.9*
1,1,1-Trichloroethane	AVRG	3315982	3.2*
Carbon Tetrachloride	AVRG	5840295	4.0*
1,2-Dichloroethane	AVRG	5113471	6.8*
Trichloroethene	AVRG	5486637	5.2*
1,2-Dichloropropane	AVRG	4543359	4.9*
Bromodichloromethane	AVRG	4493351	5.2*
2-Chloroethyl Vinyl Ether	AVRG	1630563	2.2*
cis-1,3-Dichloropropene	AVRG	4263295	8.9*
trans-1,3-Dichloropropene	AVRG	3827823	4.2*
1,1,2-Trichloroethane	AVRG	5231510	6.1*
Tetrachloroethene	AVRG	6005840	7.3*
Dibromochloromethane	AVRG	3528988	5.2*
Chlorobenzene	AVRG	2371982	6.5*
Bromoform	AVRG	2167051	7.8*
1,1,2,2-Tetrachloroethane	AVRG	3800757	5.7*
1,3-Dichlorobenzene	AVRG	2967841	4.9*
1,4-Dichlorobenzene	AVRG	3388600	4.8*
1,2-Dichlorobenzene	AVRG	3133220	3.8*
Bromochloromethane(sur)	AVRG	3505559	3.9*

* Compounds with required maximum %RSD values.

306463

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7563.d Page 1
Report Date 02/16/2000 07:36



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : HSTD001
Lab ID : HSTD001
Inj Date : 15-FEB-2000 09:33
Operator : SP
Cpnd Sublist: 601

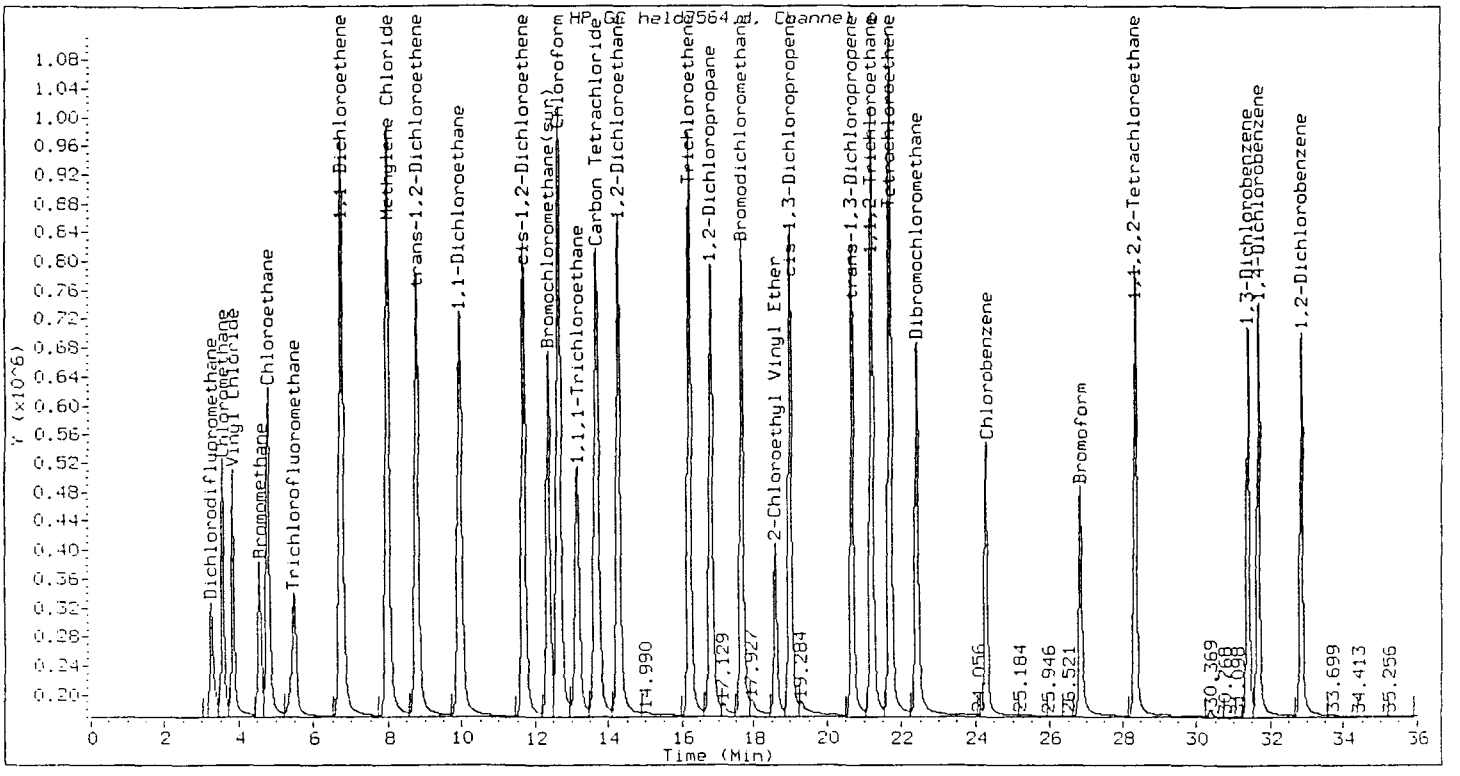
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.234	3.227	0.007	1153927	0.936	0.936
Chloromethane	3.539	3.558	0.019	2073030	1.023	1.023
Vinyl Chloride	3.817	3.828	0.011	2220201	1.098	1.098
Bromomethane	4.527	4.536	0.009	1215804	0.902	0.902
Chloroethane	4.761	4.746	0.014	3413263	1.052	1.052
Trichlorofluoromethane	5.463	5.464	0.000	1285275	0.662	0.662
1,1-Dichloroethene	6.705	6.711	0.006	6456442	1.052	1.052
Methylene Chloride	7.945	7.958	0.012	7151970	1.101	1.101
trans-1,2-Dichloroethene	8.743	8.749	0.006	5281041	1.030	1.030

306464

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.923	9.917	0.006	5266458	1.030	1.030
cis-1,2-Dichloroethene	11.656	11.649	0.007	5085173	1.025	1.025
Chloroform	12.629	12.622	0.007	7068826	1.040	1.040
1,1,1-Trichloroethane	13.141	13.133	0.008	3209034	0.958	0.958
Carbon Tetrachloride	13.665	13.657	0.007	5800929	0.982	0.982
1,2-Dichloroethane	14.257	14.246	0.011	5518414	1.043	1.043
Trichloroethene	16.182	16.173	0.008	5726473	1.020	1.020
1,2-Dichloropropane	16.785	16.775	0.009	4733005	1.020	1.020
Bromodichloromethane	17.646	17.635	0.011	4817273	1.039	1.039
2-Chloroethyl Vinyl Ether	18.588	18.573	0.015	1636091	0.987	0.987
cis-1,3-Dichloropropene	18.991	18.979	0.012	4836188	1.072	1.072
trans-1,3-Dichloropropene	20.669	20.656	0.013	3832638	0.990	0.990
1,1,2-Trichloroethane	21.198	21.189	0.009	5502846	1.029	1.029
Tetrachloroethene	21.683	21.676	0.007	6451763	1.040	1.040
Dibromochloromethane	22.398	22.388	0.010	3577796	1.009	1.009
Chlorobenzene	24.273	24.266	0.008	2575850	1.047	1.047
Bromoform	26.823	26.811	0.013	1884489	0.899	0.899
1,1,2,2-Tetrachloroethane	28.332	28.325	0.007	3788120	0.988	0.988
1,3-Dichlorobenzene	31.366	31.357	0.008	2764968	0.941	0.941
1,4-Dichlorobenzene	31.651	31.644	0.007	3423966	0.999	0.999
1,2-Dichlorobenzene	32.836	32.829	0.008	3074087	0.981	0.981
Bromochloromethane(sur)	12.341	12.331	0.011	3318487	0.951	0.951

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7564.d Page 1
Report Date 02/16/2000 07:36



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : HSTD005
Lab ID : HSTD005
Inj Date : 15-FEB-2000 10:16
Operator : SP
Cpnd Sublist: 601

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

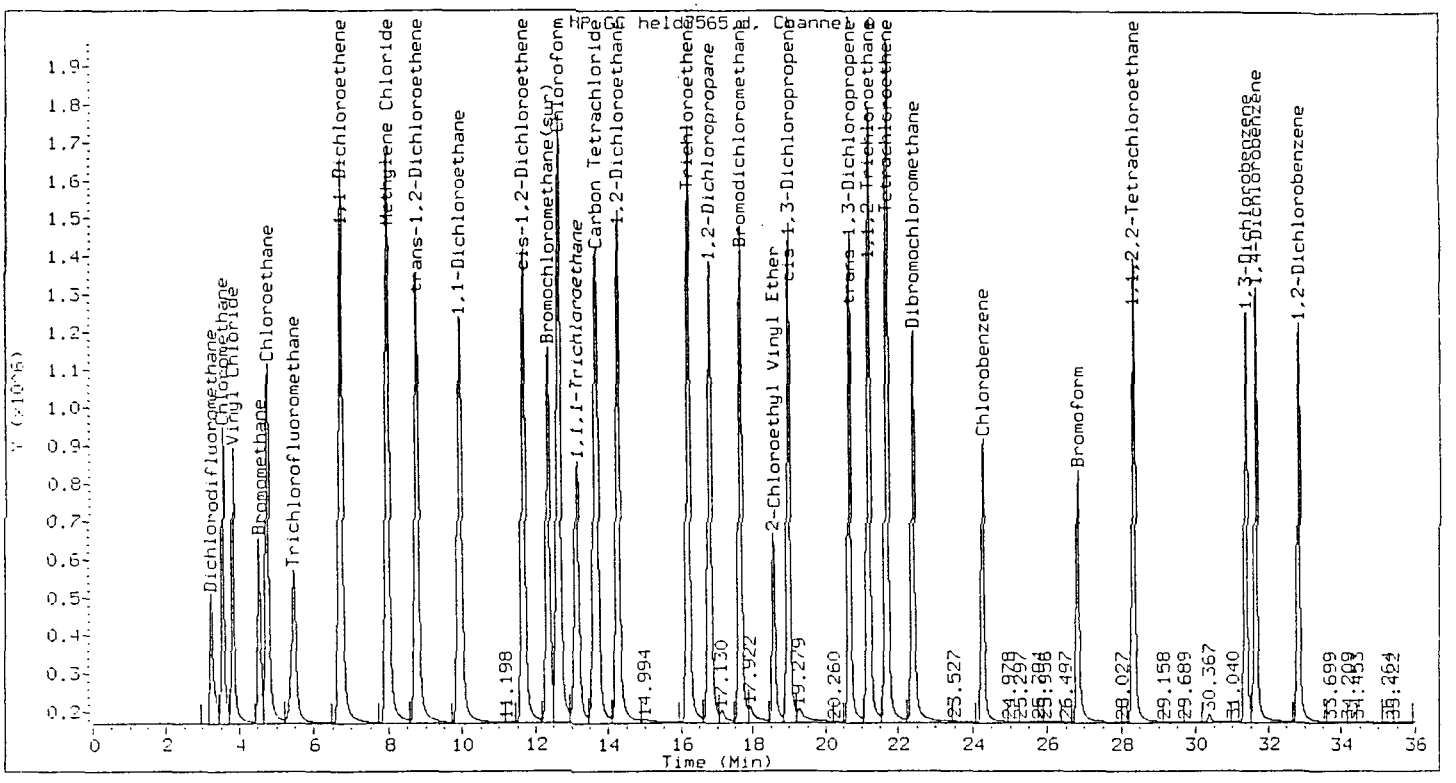
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.234	3.227	0.007	5625435	4.700	4.700
Chloromethane	3.549	3.558	0.009	9096978	4.646	4.646
Vinyl Chloride	3.823	3.828	0.004	8955721	4.604	4.604
Bromomethane	4.538	4.536	0.003	6488433	4.875	4.875
Chloroethane	4.761	4.746	0.015	15588972	4.868	4.868
Trichlorofluoromethane	5.469	5.464	0.005	8643295	4.621	4.621
1,1-Dichloroethene	6.711	6.711	0.000	31611229	5.098	5.098
Methylene Chloride	7.952	7.958	0.006	31103384	4.858	4.858
trans-1,2-Dichloroethene	8.750	8.749	0.001	25627451	4.998	4.998

306466

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.927	9.917	0.010	25956496	5.050	5.050
cis-1,2-Dichloroethene	11.657	11.649	0.008	25214990	5.055	5.055
Chloroform	12.629	12.622	0.006	34728393	5.073	5.073
1,1,1-Trichloroethane	13.140	13.133	0.007	16594840	4.970	4.970
Carbon Tetrachloride	13.663	13.657	0.006	30382962	5.095	5.095
1,2-Dichloroethane	14.253	14.246	0.007	26643374	5.024	5.024
Trichloroethene	16.181	16.173	0.007	28386809	5.036	5.036
1,2-Dichloropropane	16.782	16.775	0.007	23608795	5.058	5.058
Bromodichloromethane	17.643	17.635	0.008	22806143	4.946	4.946
2-Chloroethyl Vinyl Ether	18.582	18.573	0.009	8116999	4.930	4.930
cis-1,3-Dichloropropene	18.987	18.979	0.008	21787393	4.886	4.886
trans-1,3-Dichloropropene	20.661	20.656	0.006	19904528	5.094	5.094
1,1,2-Trichloroethane	21.194	21.189	0.004	27533185	5.100	5.100
Tetrachloroethene	21.680	21.676	0.004	31683189	5.071	5.071
Dibromochloromethane	22.393	22.388	0.005	18927854	5.220	5.220
Chlorobenzene	24.268	24.266	0.002	12287652	4.997	4.997
Bromoform	26.816	26.811	0.005	11333459	5.264	5.264
1,1,2,2-Tetrachloroethane	28.328	28.325	0.002	20305960	5.194	5.194
1,3-Dichlorobenzene	31.360	31.357	0.003	15224066	5.120	5.120
1,4-Dichlorobenzene	31.646	31.644	0.002	17715587	5.111	5.111
1,2-Dichlorobenzene	32.831	32.829	0.002	16280558	5.129	5.129
Bromochloromethane(sur)	12.339	12.331	0.009	18052445	5.113	5.113

306467

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7565.d Page 1
Report Date 02/16/2000 07:36



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : HSTD010
Lab ID : HSTD010
Inj Date : 15-FEB-2000 10:59
Operator : SP
Cpnd Sublist: 601

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

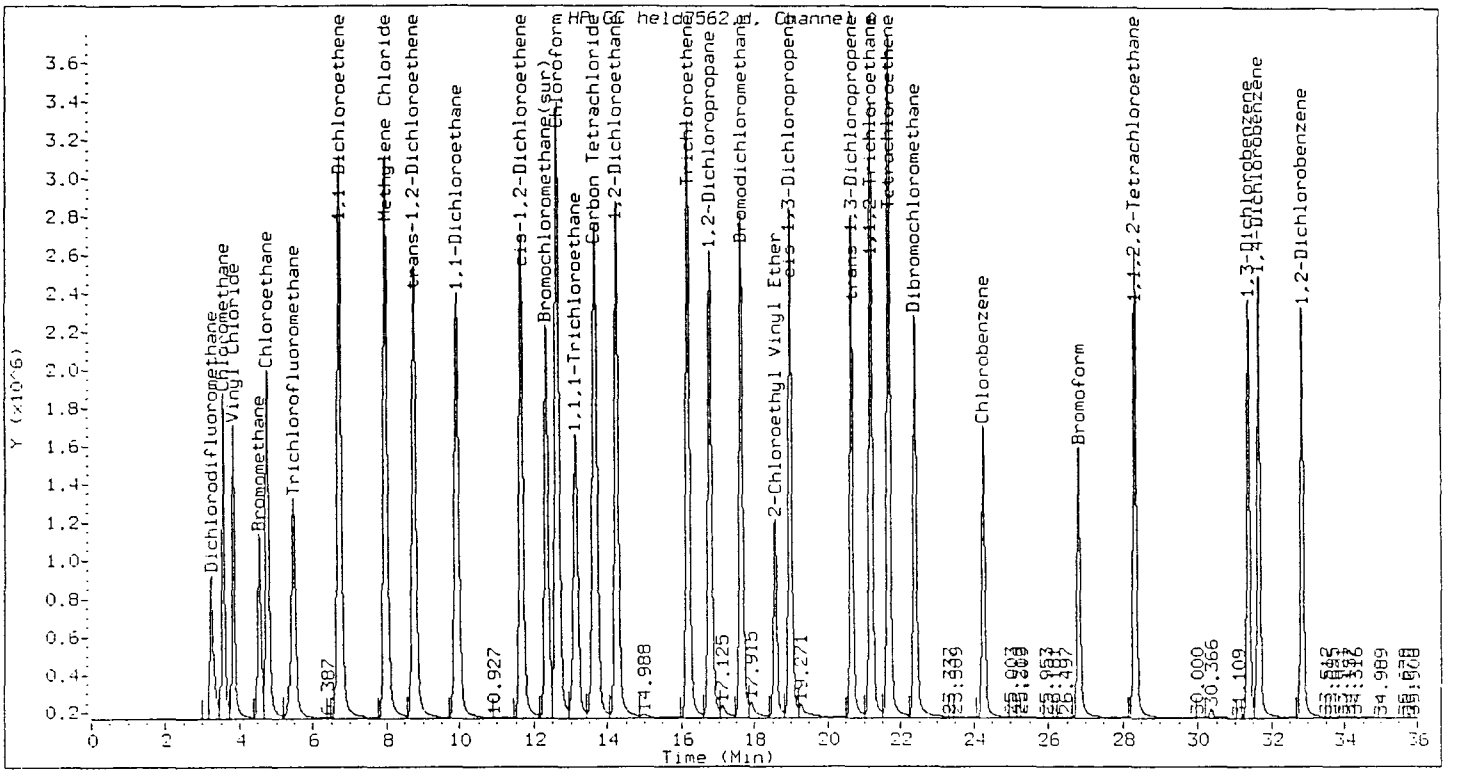
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.232	3.227	0.005	11987479	10.012	10.012
Chloromethane	3.556	3.558	0.002	18965991	9.763	9.763
Vinyl Chloride	3.827	3.828	0.000	18163054	9.495	9.495
Bromomethane	4.543	4.536	0.007	14417792	10.613	10.613
Chloroethane	4.759	4.746	0.012	31746634	9.936	9.936
Trichlorofluoromethane	5.469	5.464	0.005	19360107	10.261	10.261
1,1-Dichloroethene	6.715	6.711	0.004	58461468	9.565	9.565
Methylene Chloride	7.956	7.958	0.001	58307553	9.314	9.314
trans-1,2-Dichloroethene	8.753	8.749	0.004	49038947	9.670	9.670

306468

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.927	9.917	0.010	49031638	9.650	9.650
cis-1,2-Dichloroethene	11.659	11.649	0.010	48048255	9.723	9.723
Chloroform	12.631	12.622	0.008	65087281	9.627	9.627
1,1,1-Trichloroethane	13.142	13.133	0.009	32640262	9.830	9.830
Carbon Tetrachloride	13.665	13.657	0.008	58427183	9.848	9.848
1,2-Dichloroethane	14.255	14.246	0.009	50653186	9.660	9.660
Trichloroethene	16.181	16.173	0.008	55156325	9.838	9.838
1,2-Dichloropropane	16.782	16.775	0.007	45332533	9.783	9.783
Bromodichloromethane	17.642	17.635	0.007	44720004	9.772	9.772
2-Chloroethyl Vinyl Ether	18.580	18.573	0.007	16331701	9.939	9.939
cis-1,3-Dichloropropene	18.985	18.979	0.006	41447610	9.462	9.462
trans-1,3-Dichloropropene	20.660	20.656	0.004	38545966	9.899	9.899
1,1,2-Trichloroethane	21.194	21.189	0.005	52400983	9.778	9.778
Tetrachloroethene	21.680	21.676	0.004	59556837	9.645	9.645
Dibromochloromethane	22.392	22.388	0.004	34954494	9.728	9.728
Chlorobenzene	24.269	24.266	0.003	23208928	9.573	9.573
Bromoform	26.813	26.811	0.003	22231617	10.242	10.242
1,1,2,2-Tetrachloroethane	28.326	28.325	0.001	38115272	9.811	9.811
1,3-Dichlorobenzene	31.359	31.357	0.001	30489449	10.189	10.189
1,4-Dichlorobenzene	31.644	31.644	0.001	34362221	9.935	9.935
1,2-Dichlorobenzene	32.830	32.829	0.001	31920106	10.042	10.042
Bromochloromethane(sur)	12.341	12.331	0.011	35007503	9.937	9.937

306469

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7562.d Page 1
Report Date 02/16/2000 07:35



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : HSTD020
Lab ID : HSTD020
Inj Date : 15-FEB-2000 08:51
Operator : SP
Cpnd Sublist: 601

Inst ID : VOAGC2.i
Dil Factor : 4
Sample Matrix : SOIL
Sample Type: CALIB_4

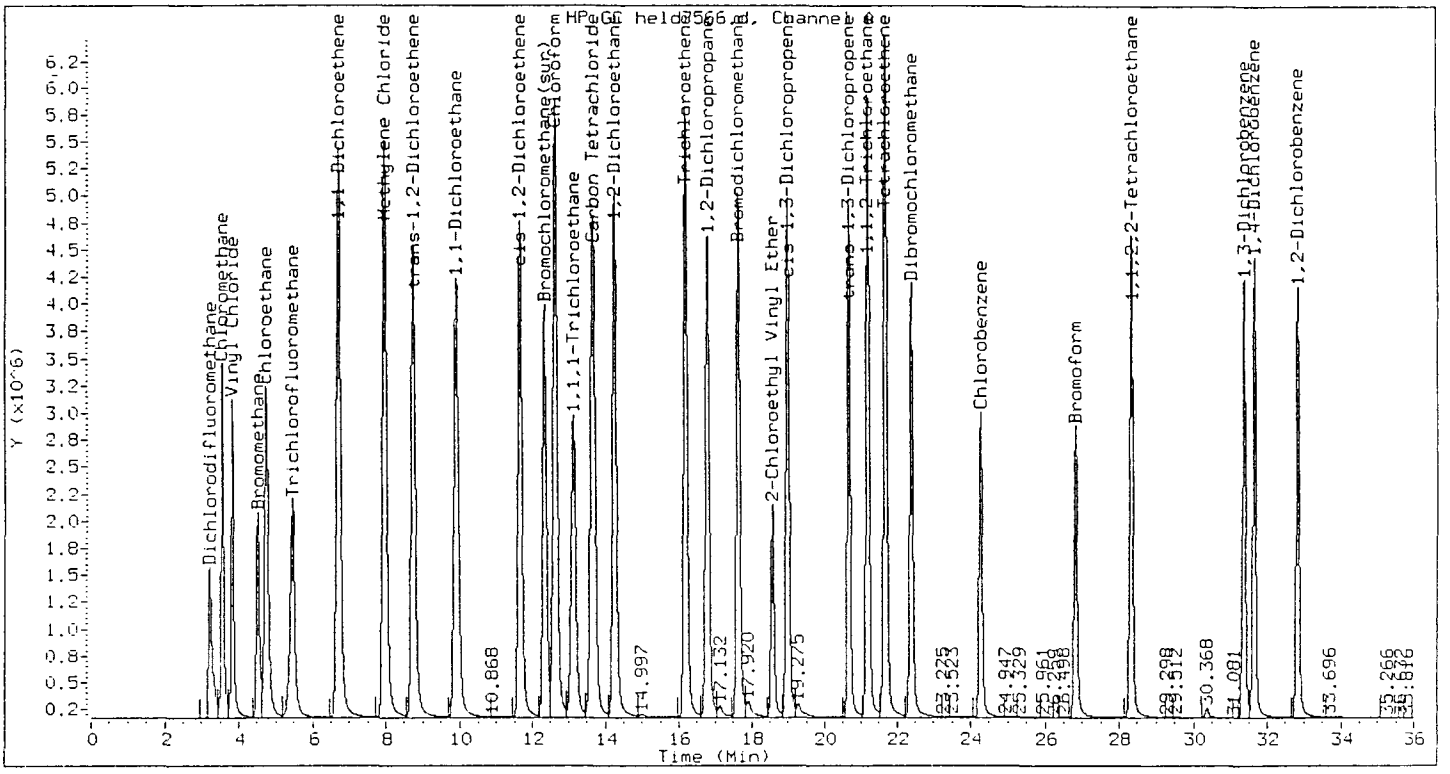
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.227	3.227	0.000	26229605	20.000	80.000
Chloromethane	3.558	3.558	0.000	39630808	20.000	80.000
Vinyl Chloride	3.828	3.828	0.000	36480659	20.000	80.000
Bromomethane	4.536	4.536	0.000	29579735	20.000	80.000
Chloroethane	4.746	4.746	0.000	61502326	20.000	80.000
Trichlorofluoromethane	5.464	5.464	0.000	51940224	20.000	80.000
1,1-Dichloroethene	6.711	6.711	0.000	116458536	20.000	80.000
Methylene Chloride	7.958	7.958	0.000	116727480	20.000	80.000
trans-1,2-Dichloroethene	8.749	8.749	0.000	99512084	20.000	80.000

306470

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.917	9.917	0.000	99243150	20.000	80.000
cis-1,2-Dichloroethene	11.649	11.649	0.000	96696219	20.000	80.000
Chloroform	12.622	12.622	0.000	130430366	20.000	80.000
1,1,1-Trichloroethane	13.133	13.133	0.000	69793883	20.000	80.000
Carbon Tetrachloride	13.657	13.657	0.000	120231380	20.000	80.000
1,2-Dichloroethane	14.246	14.246	0.000	101237095	20.000	80.000
Trichloroethene	16.173	16.173	0.000	110141424	20.000	80.000
1,2-Dichloropropane	16.775	16.775	0.000	90938837	20.000	80.000
Bromodichloromethane	17.635	17.635	0.000	89099264	20.000	80.000
2-Chloroethyl Vinyl Ether	18.573	18.573	0.000	33600787	20.000	80.000
cis-1,3-Dichloropropene	18.979	18.979	0.000	83670825	20.000	80.000
trans-1,3-Dichloropropene	20.656	20.656	0.000	78166712	20.000	80.000
1,1,2-Trichloroethane	21.189	21.189	0.000	103751213	20.000	80.000
Tetrachloroethene	21.676	21.676	0.000	119131433	20.000	80.000
Dibromochloromethane	22.388	22.388	0.000	70284166	20.000	80.000
Chlorobenzene	24.266	24.266	0.000	46858401	20.000	80.000
Bromoform	26.811	26.811	0.000	46162900	20.000	80.000
1,1,2,2-Tetrachloroethane	28.325	28.325	0.000	77565007	20.000	80.000
1,3-Dichlorobenzene	31.357	31.357	0.000	62205821	20.000	80.000
1,4-Dichlorobenzene	31.644	31.644	0.000	68618614	20.000	80.000
1,2-Dichlorobenzene	32.829	32.829	0.000	63838058	20.000	80.000
Bromochloromethane(sur)	12.331	12.331	0.000	73246177	20.000	80.000

306471

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/held7566.d Page 1
Report Date 02/16/2000 07:36



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/15FEB00.b/8021BEHIGH.m
Sample Info : HSTD040
Lab ID : HSTD040
Inj Date : 15-FEB-2000 11:42
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	3.227	3.227	0.000	48811814	40.612	40.612
Chloromethane	3.565	3.558	0.007	75072829	38.908	38.908
Vinyl Chloride	3.833	3.828	0.005	68832835	36.721	36.721
Bromomethane	4.518	4.536	0.017	55576142	40.723	40.723
Chloroethane	4.747	4.746	0.001	113807805	36.416	36.416
Trichlorofluoromethane	5.462	5.464	0.002	93680082	47.366	47.366
1,1-Dichloroethene	6.714	6.711	0.004	212874414	35.754	35.754
Methylene Chloride	7.966	7.958	0.009	214356276	35.257	35.257
trans-1,2-Dichloroethene	8.750	8.749	0.001	183159552	36.831	36.831

306472

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.920	9.917	0.003	184012214	36.916	36.916
cis-1,2-Dichloroethene	11.654	11.649	0.005	179823842	37.057	37.057
Chloroform	12.629	12.622	0.006	236378017	35.865	35.865
1,1,1-Trichloroethane	13.140	13.133	0.007	131927522	39.785	39.785
Carbon Tetrachloride	13.663	13.657	0.006	218786675	37.462	37.462
1,2-Dichloroethane	14.253	14.246	0.007	183723697	35.929	35.929
Trichloroethene	16.180	16.173	0.007	200265904	36.501	36.501
1,2-Dichloropropane	16.782	16.775	0.007	167273529	36.817	36.817
Bromodichloromethane	17.643	17.635	0.008	166451524	37.044	37.044
2-Chloroethyl Vinyl Ether	18.579	18.573	0.006	63204541	38.762	38.762
cis-1,3-Dichloropropene	18.986	18.979	0.007	151780245	35.602	35.602
trans-1,3-Dichloropropene	20.661	20.656	0.005	142505576	37.229	37.229
1,1,2-Trichloroethane	21.195	21.189	0.006	188816409	36.092	36.092
Tetrachloroethene	21.682	21.676	0.006	213141818	35.489	35.489
Dibromochloromethane	22.392	22.388	0.004	130876733	37.086	37.086
Chlorobenzene	24.271	24.266	0.005	86508643	36.471	36.471
Bromoform	26.814	26.811	0.004	86110784	39.736	39.736
1,1,2,2-Tetrachloroethane	28.329	28.325	0.003	138587766	36.463	36.463
1,3-Dichlorobenzene	31.359	31.357	0.001	114807462	38.684	38.684
1,4-Dichlorobenzene	31.644	31.644	0.001	124350537	36.697	36.697
1,2-Dichlorobenzene	32.830	32.829	0.001	118079554	37.686	37.686
Bromochloromethane(sur)	12.336	12.331	0.006	137430398	39.204	39.204

306473

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Instrument ID: VOAGC2 Calibration Date: 02/17/00 Time: 0903

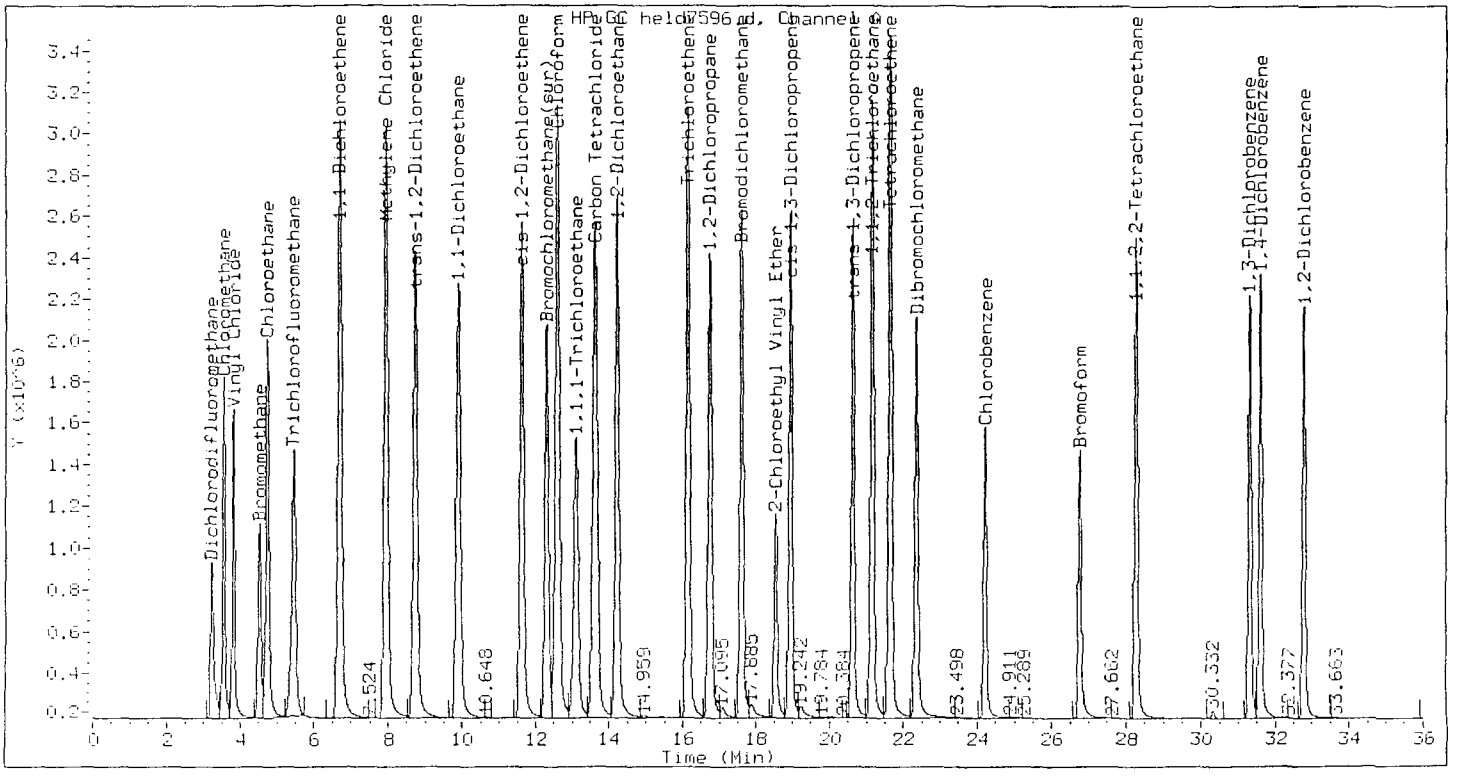
Lab File ID: HELD7596 Init. Calib. Date(s): 02/15/00 02/15/00

Heated Purge: (Y/N) N Init. Calib. Times: 0851 1142

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1201907.5	1260412.9		-4.7	15.0
Chloromethane	1929477.2	1835963.4		4.8	15.0
Vinyl Chloride	1874500.9	1700920.0		9.3	15.0
Bromomethane	1364732.0	1390316.8		-1.7	15.0
Chloroethane	3125206.4	2808428.2		10.1	15.0
Trichlorofluoromethane	1977791.6	2579196.3		-30.4	15.0
1,1-Dichloroethene	5953924.3	5504196.9		7.6	15.0
Methylene Chloride	6079736.6	5400455.0		11.2	15.0
trans-1,2-Dichloroethene	4973003.8	4536386.7		8.8	15.0
1,1-Dichloroethane	4984676.8	4521862.8		9.3	15.0
cis-1,2-Dichloroethene	4852680.7	4451033.6		8.3	15.0
Chloroform	6590840.3	5985409.0		9.2	15.0
1,1,1-Trichloroethane	3315982.1	3157325.5		4.8	15.0
Carbon Tetrachloride	5840295.1	5521480.8		5.4	15.0
1,2-Dichloroethane	5113470.9	4597244.2		10.1	15.0
Trichloroethene	5486637.2	5050224.0		8.0	15.0
1,2-Dichloropropane	4543359.5	4142807.1		8.8	15.0
Bromodichloromethane	4493350.7	4127067.5		8.2	15.0
2-Chloroethyl Vinyl Ether	1630562.8	1553274.1		4.7	15.0
cis-1,3-Dichloropropene	4263295.0	3809918.2		10.6	15.0
trans-1,3-Dichloropropene	3827823.0	3540107.2		7.5	15.0
1,1,2-Trichloroethane	5231510.4	4797217.6		8.3	15.0
Tetrachloroethene	6005840.3	5456978.2		9.1	15.0
Dibromochloromethane	3528988.6	3153689.8		10.6	15.0
Chlorobenzene	2371981.9	2090839.9		11.8	15.0
Bromoform	2167051.4	1987235.1		8.3	15.0
1,1,2,2-Tetrachloroethane	3800756.7	3522078.8		7.3	15.0
1,3-Dichlorobenzene	2967840.7	2847244.4		4.1	15.0
1,4-Dichlorobenzene	3388599.9	3088595.5		8.8	15.0
1,2-Dichlorobenzene	3133220.2	2892072.6		7.7	15.0
Bromochloromethane(sur)	3505559.0	3361196.4		4.1	15.0

306474

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7596.d Page 1
Report Date 02/18/2000 07:19



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : HSTD020
Lab ID : HSTD020
Inj Date : 17-FEB-2000 09:03
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	3.218	3.218	0.000	25208259	20.974	20.974
Chloromethane	3.549	3.549	0.000	36719267	19.031	19.031
Vinyl Chloride	3.816	3.816	0.000	34018400	18.148	18.148
Bromomethane	4.517	4.517	0.000	27806335	20.375	20.375
Chloroethane	4.734	4.734	0.000	56168564	17.973	17.973
Trichlorofluoromethane	5.442	5.442	0.000	51583926	26.082	26.082
1,1-Dichloroethene	6.688	6.688	0.000	110083938	18.489	18.489
Methylene Chloride	7.937	7.937	0.000	108009101	17.765	17.765
trans-1,2-Dichloroethene	8.722	8.722	0.000	90727734	18.244	18.244

306475

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.889	9.889	0.000	90437255	18.143	18.143
cis-1,2-Dichloroethene	11.622	11.622	0.000	89020672	18.345	18.345
Chloroform	12.595	12.595	0.000	119708181	18.163	18.163
1,1,1-Trichloroethane	13.106	13.106	0.000	63146510	19.043	19.043
Carbon Tetrachloride	13.631	13.631	0.000	110429617	18.908	18.908
1,2-Dichloroethane	14.217	14.217	0.000	91944884	17.981	17.981
Trichloroethene	16.142	16.142	0.000	101004479	18.409	18.409
1,2-Dichloropropane	16.745	16.745	0.000	82856143	18.237	18.237
Bromodichloromethane	17.605	17.605	0.000	82541351	18.370	18.370
2-Chloroethyl Vinyl Ether	18.544	18.544	0.000	31065481	19.052	19.052
cis-1,3-Dichloropropene	18.950	18.950	0.000	76198365	17.873	17.873
trans-1,3-Dichloropropene	20.625	20.625	0.000	70802145	18.497	18.497
1,1,2-Trichloroethane	21.158	21.158	0.000	95944352	18.340	18.340
Tetrachloroethene	21.644	21.644	0.000	109139564	18.172	18.172
Dibromochloromethane	22.357	22.357	0.000	63073795	17.873	17.873
Chlorobenzene	24.234	24.234	0.000	41816797	17.629	17.629
Bromoform	26.780	26.780	0.000	39744701	18.340	18.340
1,1,2,2-Tetrachloroethane	28.294	28.294	0.000	70441576	18.534	18.534
1,3-Dichlorobenzene	31.324	31.324	0.000	56944887	19.187	19.187
1,4-Dichlorobenzene	31.609	31.609	0.000	61771910	18.229	18.229
1,2-Dichlorobenzene	32.794	32.794	0.000	57841452	18.461	18.461
Bromochloromethane(sur)	12.303	12.303	0.000	67223928	19.176	19.176

306476

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: SOIL Level: HIGH Lab Job No: X303

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	HG046	92			0
02	182785	88			0
03	182786	89			0
04	182788	91			0
05	182795	92			0
06	182796	93			0
07	182797	93			0
08	182798	93			0
09	182799	94			0
10	182800	90			0
11	182801	85			0
12	HG048	95			0
13	182802	91			0
14	182803	94			0
15	182804	94			0
16	182805	95			0
17	182806	93			0
18	182807	100			0
19	182809	100			0
20	182798MS	88			0
21	182798MSD	89			0
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

306477

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8021

Matrix: SOIL

Level: HIGH

Matrix Spike - Lab Sample No.: 182798

MS Sample from Lab Job No: 17FE

QA Batch: 6951

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Chloromethane	2800	0.00	2600	93	70-130
Vinyl Chloride	2800	0.00	2700	96	70-130
Bromomethane	2800	0.00	3000	107	70-130
Chloroethane	2800	0.00	2600	93	70-130
Trichlorofluoromethane	2800	0.00	2400	86	70-130
1,1-Dichloroethene	2800	0.00	2500	89	70-130
Methylene Chloride	2800	250	2700	88	70-130
trans-1,2-Dichloroethene	2800	0.00	2400	86	70-130
1,1-Dichloroethane	2800	0.00	2400	86	70-130
Chloroform	2800	0.00	2600	93	70-130
1,1,1-Trichloroethane	2800	0.00	2600	93	70-130
Carbon Tetrachloride	2800	0.00	2500	89	70-130
1,2-Dichloroethane	2800	0.00	2400	86	70-130
Trichloroethene	2800	460	3000	91	70-130
1,2-Dichloropropane	2800	0.00	2600	93	70-130
Bromodichloromethane	2800	0.00	2700	96	70-130
2-Chloroethyl Vinyl Ethe	2800	0.00	2800	100	70-130
cis-1,3-Dichloropropene	2800	0.00	2400	86	70-130
trans-1,3-Dichloropropen	2800	0.00	2500	89	70-130
1,1,2-Trichloroethane	2800	0.00	2400	86	70-130
Tetrachloroethene	2800	0.00	2400	86	70-130
Dibromochloromethane	2800	0.00	2700	96	70-130
Chlorobenzene	2800	0.00	2400	86	70-130
Bromoform	2800	0.00	2800	100	70-130
1,1,2,2-Tetrachloroethan	2800	0.00	2500	89	70-130
1,3-Dichlorobenzene	2800	0.00	2600	93	70-130
1,4-Dichlorobenzene	2800	0.00	2400	86	70-130
1,2-Dichlorobenzene	2800	0.00	2500	89	70-130

306478

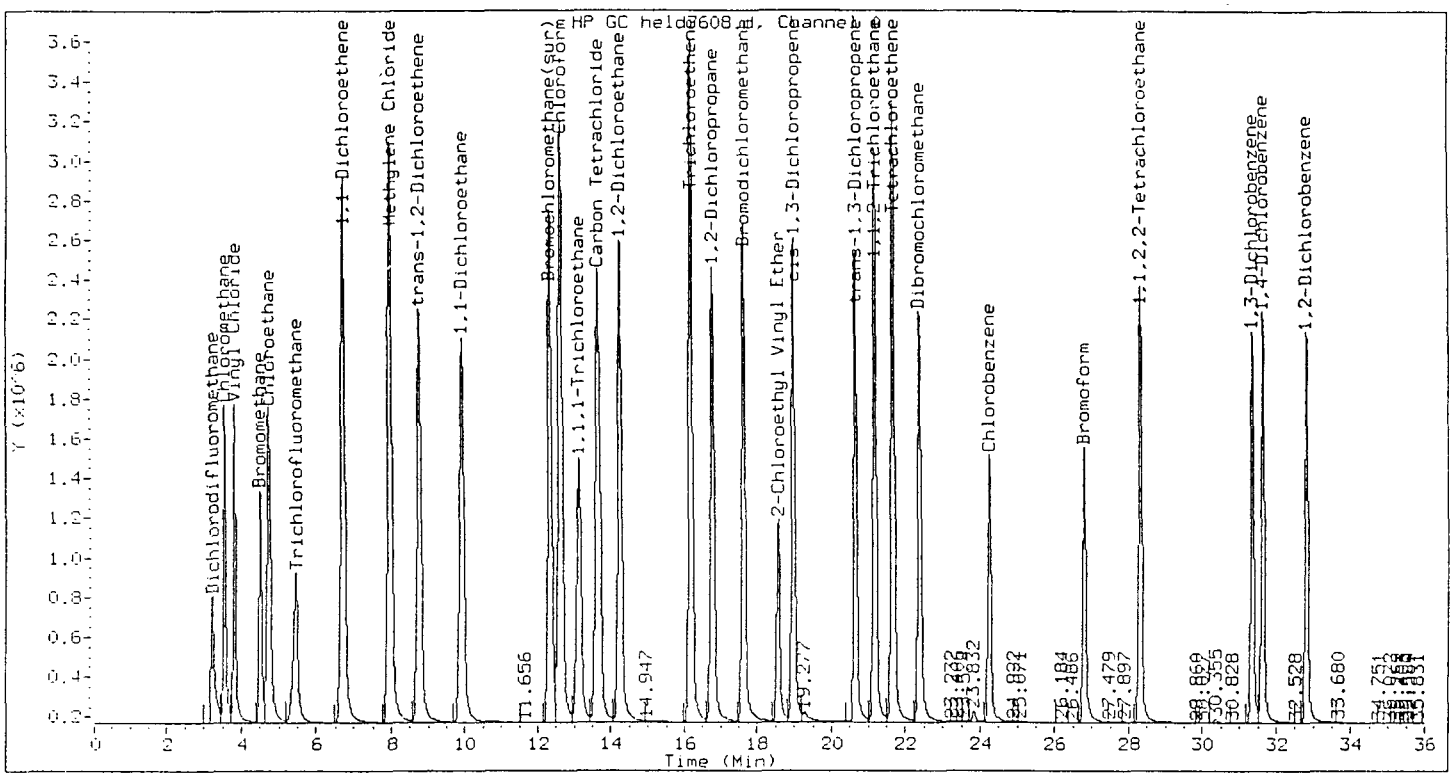
Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	2800	2600	93	0	40	70-130
Vinyl Chloride	2800	2800	100	4	40	70-130
Bromomethane	2800	3000	107	0	40	70-130
Chloroethane	2800	2600	93	0	40	70-130
Trichlorofluoromethane	2800	2500	89	4	40	70-130
1,1-Dichloroethene	2800	2500	89	0	40	70-130
Methylene Chloride	2800	2800	91	4	40	70-130
trans-1,2-Dichloroethene	2800	2400	86	0	40	70-130
1,1-Dichloroethane	2800	2400	86	0	40	70-130
Chloroform	2800	2600	93	0	40	70-130
1,1,1-Trichloroethane	2800	2600	93	0	40	70-130
Carbon Tetrachloride	2800	2500	89	0	40	70-130
1,2-Dichloroethane	2800	2500	89	4	40	70-130
Trichloroethene	2800	3000	91	0	40	70-130
1,2-Dichloropropane	2800	2700	96	4	40	70-130
Bromodichloromethane	2800	2800	100	4	40	70-130
2-Chloroethyl Vinyl Ethe	2800	2800	100	0	40	70-130
cis-1,3-Dichloropropene	2800	2400	86	0	40	70-130
trans-1,3-Dichloropropen	2800	2500	89	0	40	70-130
1,1,2-Trichloroethane	2800	2500	89	4	40	70-130
Tetrachloroethene	2800	2400	86	0	40	70-130
Dibromochloromethane	2800	2800	100	4	40	70-130
Chlorobenzene	2800	2400	86	0	40	70-130
Bromoform	2800	2800	100	0	40	70-130
1,1,2,2-Tetrachloroethan	2800	2500	89	0	40	70-130
1,3-Dichlorobenzene	2800	2600	93	0	40	70-130
1,4-Dichlorobenzene	2800	2500	89	4	40	70-130
1,2-Dichlorobenzene	2800	2500	89	0	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: _____

306479

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7608.d Page 1
Report Date 02/18/2000 07:20



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Sample Info : 182798MS;;50
Lab ID : 182798MS
Inj Date : 17-FEB-2000 18:13
Operator : SP
Cpnd Sublist: 601

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

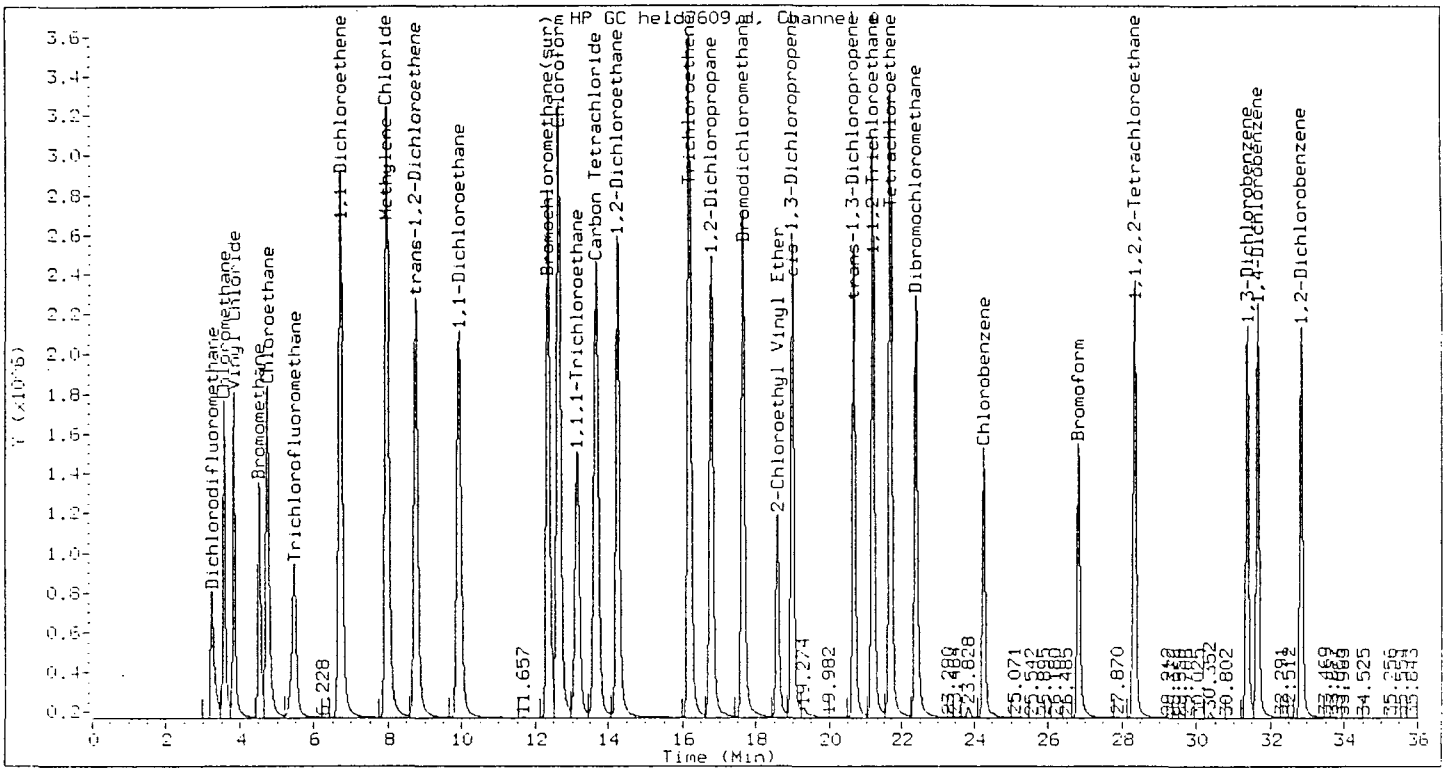
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.221	3.218	0.003	21481982	17.873	2471.301
Chloromethane	3.554	3.549	0.005	36691598	19.016	2629.356
Vinyl Chloride	3.821	3.816	0.005	36744766	19.602	2710.393
Bromomethane	4.503	4.517	0.015	30145726	22.089	3054.223
Chloroethane	4.725	4.734	0.009	58777523	18.808	2600.488
Trichlorofluoromethane	5.447	5.442	0.005	34962140	17.677	2444.217
1,1-Dichloroethene	6.702	6.688	0.014	107145821	17.996	2488.252
Methylene Chloride	7.955	7.937	0.018	116979477	19.241	2660.402
trans-1,2-Dichloroethene	8.743	8.722	0.021	86447964	17.383	2403.579

306480

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.911	9.889	0.022	86585211	17.370	2401.757
Chloroform	12.620	12.595	0.025	124032228	18.819	2602.053
1,1,1-Trichloroethane	13.127	13.106	0.022	61872657	18.659	2579.936
Carbon Tetrachloride	13.649	13.631	0.018	106134870	18.173	2512.729
1,2-Dichloroethane	14.242	14.217	0.025	90280150	17.655	2441.175
Trichloroethene	16.168	16.142	0.025	119652675	21.808	3015.356
1,2-Dichloropropane	16.769	16.745	0.024	86921604	19.132	2645.288
Bromodichloromethane	17.631	17.605	0.025	88528511	19.702	2724.176
2-Chloroethyl Vinyl Ether	18.567	18.544	0.024	32503526	19.934	2756.229
cis-1,3-Dichloropropene	18.975	18.950	0.025	75672625	17.750	2454.233
trans-1,3-Dichloropropene	20.650	20.625	0.025	69715611	18.213	2518.260
1,1,2-Trichloroethane	21.183	21.158	0.025	92607780	17.702	2447.613
Tetrachloroethene	21.669	21.644	0.025	103708801	17.268	2387.614
Dibromochloromethane	22.381	22.357	0.025	68768938	19.487	2694.415
Chlorobenzene	24.256	24.234	0.022	40952129	17.265	2387.193
Bromoform	26.801	26.780	0.021	43272909	19.969	2761.018
1,1,2,2-Tetrachloroethane	28.315	28.294	0.021	68138428	17.928	2478.817
1,3-Dichlorobenzene	31.346	31.324	0.022	55219001	18.606	2572.588
1,4-Dichlorobenzene	31.632	31.609	0.022	59900840	17.677	2444.190
1,2-Dichlorobenzene	32.816	32.794	0.023	57253219	18.273	2526.570
Bromochloromethane(sur)	12.327	12.303	0.023	92775691	26.465	3659.311

306481

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7609.d Page 1
Report Date 02/18/2000 07:20



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 182798MSD;;50
Lab ID : 182798MSD
Inj Date : 17-FEB-2000 18:56
Operator : SP
Cpnd Sublist: 601

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

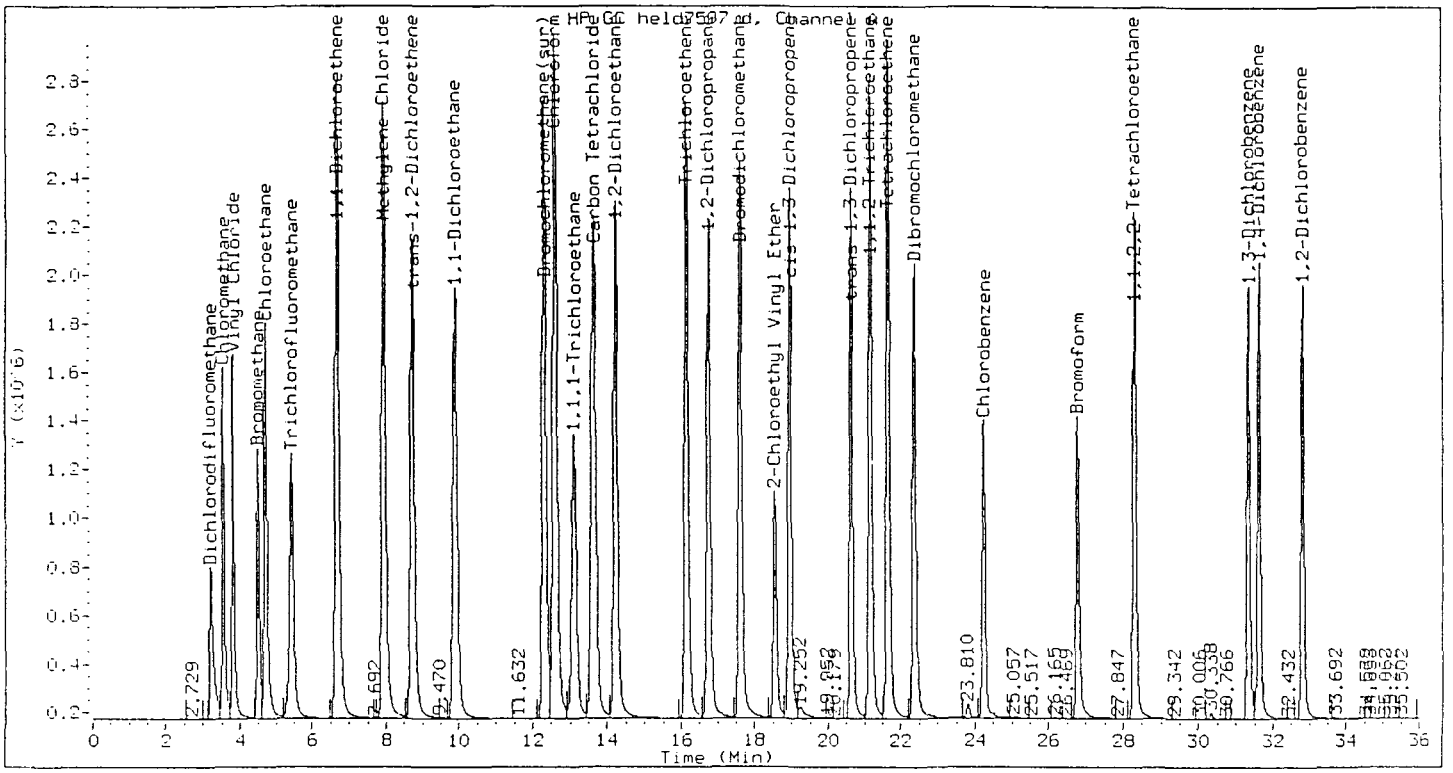
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.219	3.218	0.001	21618379	17.987	2486.992
Chloromethane	3.553	3.549	0.004	36885620	19.117	2643.260
Vinyl Chloride	3.820	3.816	0.004	37425345	19.965	2760.594
Bromomethane	4.500	4.517	0.017	30052362	22.021	3044.764
Chloroethane	4.720	4.734	0.014	59897619	19.166	2650.045
Trichlorofluoromethane	5.445	5.442	0.003	35471222	17.935	2479.808
1,1-Dichloroethene	6.700	6.688	0.012	106790586	17.936	2480.002
Methylene Chloride	7.950	7.937	0.013	121213078	19.937	2756.685
trans-1,2-Dichloroethene	8.739	8.722	0.017	88229626	17.742	2453.116

306482

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.910	9.889	0.021	87801795	17.614	2435.504
Chloroform	12.618	12.595	0.023	126635531	19.214	2656.667
1,1,1-Trichloroethane	13.127	13.106	0.021	62909516	18.972	2623.171
Carbon Tetrachloride	13.650	13.631	0.019	107248490	18.364	2539.094
1,2-Dichloroethane	14.242	14.217	0.025	91747377	17.942	2480.848
Trichloroethene	16.166	16.142	0.024	120282501	21.923	3031.228
1,2-Dichloropropane	16.768	16.745	0.023	87859444	19.338	2673.830
Bromodichloromethane	17.629	17.605	0.023	89731773	19.970	2761.203
2-Chloroethyl Vinyl Ether	18.565	18.544	0.022	32645881	20.021	2768.301
cis-1,3-Dichloropropene	18.971	18.950	0.021	75102353	17.616	2435.738
trans-1,3-Dichloropropene	20.648	20.625	0.023	69428977	18.138	2507.906
1,1,2-Trichloroethane	21.181	21.158	0.023	93090826	17.794	2460.380
Tetrachloroethene	21.667	21.644	0.022	104513075	17.402	2406.131
Dibromochloromethane	22.379	22.357	0.022	70600587	20.006	2766.180
Chlorobenzene	24.254	24.234	0.020	41329189	17.424	2409.172
Bromoform	26.798	26.780	0.018	43624567	20.131	2783.455
1,1,2,2-Tetrachloroethane	28.312	28.294	0.018	67630684	17.794	2460.345
1,3-Dichlorobenzene	31.343	31.324	0.019	55223931	18.607	2572.818
1,4-Dichlorobenzene	31.629	31.609	0.019	60347264	17.809	2462.406
1,2-Dichlorobenzene	32.814	32.794	0.020	57648581	18.399	2544.017
Bromochloromethane(sur)	12.327	12.303	0.024	93837915	26.768	3701.207

306483

Data File: /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/held7597.d Page 1
Report Date 02/18/2000 07:19



Method : /chem/VOAGC2.i/8021EHIGH/02-15-00/17FEB00.b/8021BEHIGH.m
Sample Info : 6951BS
Lab ID : 6951BS
Inj Date : 17-FEB-2000 10:16
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	3.213	3.218	0.006	20462092	17.025	2128.085
Chloromethane	3.545	3.549	0.004	32559010	16.875	2109.316
Vinyl Chloride	3.810	3.816	0.006	32937802	17.572	2196.438
Bromomethane	4.490	4.517	0.027	27153974	19.897	2487.116
Chloroethane	4.702	4.734	0.032	50877554	16.280	2034.968
Trichlorofluoromethane	5.422	5.442	0.020	46186055	23.352	2919.042
1,1-Dichloroethene	6.676	6.688	0.011	99249846	16.670	2083.706
Methylene Chloride	7.932	7.937	0.004	98124498	16.140	2017.450
trans-1,2-Dichloroethene	8.718	8.722	0.004	80448643	16.177	2022.134

306484

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	9.886	9.889	0.003	77716269	15.591	1948.879
Chloroform	12.596	12.595	0.001	114268663	17.337	2167.187
1,1,1-Trichloroethane	13.103	13.106	0.003	54637979	16.477	2059.645
Carbon Tetrachloride	13.628	13.631	0.003	96590222	16.539	2067.323
1,2-Dichloroethane	14.218	14.217	0.000	79971866	15.639	1954.931
Trichloroethene	16.142	16.142	0.000	87866886	16.015	2001.838
1,2-Dichloropropane	16.745	16.745	0.000	77848910	17.135	2141.832
Bromodichloromethane	17.606	17.605	0.001	80399270	17.893	2236.618
2-Chloroethyl Vinyl Ether	18.544	18.544	0.001	29780255	18.264	2282.974
cis-1,3-Dichloropropene	18.950	18.950	0.000	68371161	16.037	2004.645
trans-1,3-Dichloropropene	20.627	20.625	0.002	63356929	16.552	2068.961
1,1,2-Trichloroethane	21.160	21.158	0.002	83855645	16.029	2003.619
Tetrachloroethene	21.645	21.644	0.000	92016567	15.321	1915.148
Dibromochloromethane	22.358	22.357	0.002	62545597	17.723	2215.422
Chlorobenzene	24.234	24.234	0.000	37020841	15.608	1950.945
Bromoform	26.781	26.780	0.001	39349436	18.158	2269.757
1,1,2,2-Tetrachloroethane	28.297	28.294	0.003	63043754	16.587	2073.395
1,3-Dichlorobenzene	31.328	31.324	0.004	49865004	16.802	2100.222
1,4-Dichlorobenzene	31.615	31.609	0.006	54775028	16.165	2020.563
1,2-Dichlorobenzene	32.800	32.794	0.006	52179857	16.654	2081.718
Bromochloromethane(sur)	12.303	12.303	0.000	91697371	26.158	3269.713

306485

94 PROJECT

Notebook No. ____

Continued From Page ____

Subliseatory: E 021500

Analysis: 8021B

Date	Data file ID#	A/S	SAMPLE	Subist	JOB	QA	LPB	pH	w/v	D.F	Std lot #	Comments	Analyst
2-15-00	HELD 7561	1	HSTD 020	601							3400 V00-413	NG	SP
	7562	2	HSTD 020									G	
	7563	3	001								Std V00-099	G	
	7564	4	005				HG 046				-100	G	
	7565	5	010								-101	G	
	7566	6	040									G	
	7567 ~~7566~~	7	BS								BS	G	
	7568	8	HG 046								V00-105	G	
	7569	9	182785		X303	6951			11.7/ 75mL	50X	V00 106	G	
	7570	10	182786						10.9/	100X	V00 104	G	
	7571 ~~7571~~	11	182788						11.2/	50X		G	
	7572	12	182795						10.5/			G	
	7573	13	182796						10.8/			G	
	7574	14	182797						10.5/			G	
	7575	15	182798						9.7/			KP	Comms by held 7579
	7576	16	182799						10.7/			G	
	7577	17	182800						11.0/			G	
	7578	18	182801						11.1/			G	
	7579	19	HSTD 020B									G	
	7580	20	HSTD 020B									NG	
	* HELD 7581		— 7594	not used SP									

Signed: Shaunessy Patel

Date: 2-15-00

Signed: M. Dano

Date: 2/16/00

Read and Understood By

306486

Continued on Page ____

PROJECT _____

Subdirectory: 0021700 Analysis: 80216

Date	Date file	ID #	A/S	SAMPLE	sublist	JOB	U A	LPB	pH	W/V	D.F.	Std lot #	Comments	Analyst
2-17-00	HELD	7595	1	HSTD 020	601			HG 048				SURR	NG	SP
		7596	1	020								Vol 913	G	
		7597	2	6951 BS									G	
		7598	3	HG 048		X303	6951					Std Vol 049	G	
		7599	4	182798						9.7/25ml	50X	-100	G MeCl2 wtd 7575	
		7600	5	182802						10.5/		-101	G comb tl	
		7601	6	182803						9.9/		BS	G	
		7602	7	182804						11.0/		Vol 705	G	
		7603	8	182805						11.2/		-106 -104	G	
		7604	9	HSTD 020A									NG	
		7605	10	182806		X303	6951			10.5/25ml	50X		G	
		7606	11	182807						11.8/			G	
	182809	7607	12	182809						0.0/			G	
		7608	13	182798 MS						9.7/			G	
		7609	14	182798 MSD						9.7/			G	
		7610	15	HSTD 020A									G	
		7611	16	HSTD 020									NG	
		7612	17	HSTD 020									NG	

Shailesh Patel 2-17-00 2/18/00

Signature

Read and Understood By

306487

Continued From Page _____

Continued on Page

Client ID: **SSFS-1C**
Site: **Klockner & Klockner**

Lab Sample No: 182787
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 5.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	77.3	4.5	N*	P

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

306488

Client ID: **SSFS-4A**
Site: **Klockner & Klockner**

Lab Sample No: 182789
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	128	4.7	N*	P

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

306489

Client ID: **SSFS-5A**
Site: **Klockner & Klockner**

Lab Sample No: 182791
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 4.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	11.1	4.5	N*	P

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

306490

Client ID: **SSFS-6A**
Site: **Klockner & Klockner**

Lab Sample No: 182793
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 4.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	8.8 T	4.5	BN*	P

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

306491

Client ID: **FB0200**
Site: **Klockner & Klockner**

Lab Sample No: 182808
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	21.4	N*	P

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

306492

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

Lab Sample No: 182810
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 3.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	34.6	4.4	N*	P

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

306493

BLANKS

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: _X303 _____ Batch No.: 9131__

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											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead	21.4	U	-32.5	B	21.4	U	21.4	U	2.140	U	P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Boron											NR

306494

BLANKS

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: _X303 _____ Batch No.: 9131__

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			21.4	U							P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Boron											NR

306495

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: X303 _____ Batch No.: 9131__

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	10000.0	9864.38	98.6	10000.0	9807.06	98.1	9890.26	98.9	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Boron									NR

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

306496

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				10000.0	9809.18	98.1	9735.44	97.4	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Boron									NR

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

306497

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

ICP ID Number: TJA- 61E 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	487329	504888.1	101.0	491919	506430.1	101.3
Antimony		1000		971.2	97.1		949.5	95.0
Arsenic		1000		1065.7	106.6		872.7	87.3
Barium		500		493.4	98.7		490.0	98.0
Beryllium		500		486.4	97.3		487.3	97.5
Cadmium		500		500.6	100.1		503.1	100.6
Calcium	500000	500000	471603	492420.2	98.5	472361	492617.7	98.5
Chromium		500		484.0	96.8		488.7	97.7
Cobalt		500		482.2	96.4		481.0	96.2
Copper		500		503.0	100.6		506.8	101.4
Iron	200000	200000	186061	192775.2	96.4	187350	193295.1	96.6
Lead		500		540.3	108.1		509.4	101.9
Magnesium	500000	500000	490881	510120.1	102.0	494948	512026.8	102.4
Manganese		500		487.0	97.4		487.3	97.5
Mercury								
Nickel		500		463.2	92.6		474.2	94.8
Potassium		10000		10197.1	102.0		10456.6	104.6
Selenium		1000		1009.4	100.9		1119.4	111.9
Silver		500		486.1	97.2		484.2	96.8
Sodium		10000		11077.2	110.8		11012.7	110.1
Thallium		1000		1148.8	114.9		1155.2	115.5
Vanadium		500		493.4	98.7		492.8	98.6
Zinc		500		511.0	102.2		510.6	102.1

306498

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS021100

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	75-125	40.6041		2.1400	U	50.00	81.2		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Boron									NR

Comments:

306499

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

182787MS

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

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

% Solids for Sample: 94.4

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	75-125	169.4689		77.2669		52.97	174.1	N	P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Boron									NR

Comments:

306500

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

182787MSD

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

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

% Solids for Sample: 94.4

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									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	75-125	135.5883		77.2669		52.97	110.1		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Boron									NR

Comments:

306501

LAB SAMPLE NO.

DUPLICATES

LCSS-242-D___

Lab Name: STL_ENVIROTECH_____

Lab Code: 12543_ Lab Job No.: __X303 _____ Batch No.: 9131__

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								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead		62.1128		59.1614		4.9		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Boron								NR

306502

LAB SAMPLE NO.

DUPLICATES

182787D

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

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

% Solids for Sample: 94.4 % Solids for Duplicate: 94.4

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead		77.2669		72.2163		6.8		P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Boron								NR

306503

LAB SAMPLE NO.

DUPLICATES

182787MS/MS

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

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

% Solids for Sample: 94.4 % Solids for Duplicate: 94.4

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead		169.4689		135.5883		22.2	*	P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Boron								NR

306504

LABORATORY CONTROL SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

Solid LCS Source: ERA

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				56.6	62.1		43.1	70.1	109.7
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Boron									

306505

LAB SAMPLE NO.

ICP SERIAL DILUTION

182787L

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: X303 Batch No.: 9131

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							NR
Antimony							NR
Arsenic							NR
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead	364.70		316.67		13.2		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

306506

ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9131__

Instrument ID Number: TJA- 61E_____ Method: P_

Start Date: 02/14/00 End Date: 02/14/00

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	B
D1-BLANK	1.00	1838		X	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	1843		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
STD3	1.00	1847		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
STD4	1.00	1852		X	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	1858		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1902		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ICB/CCB	1.00	1907		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ICSA	1.00	1912		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ICSAB	1.00	1916		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1921		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1925		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
SS021100	1.00	1930		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
BS021100	1.00	1934		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
LCSS-242	2.00	1939		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
SS-242-D	2.00	1944		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182787D	2.00	1948		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182787	2.00	1953		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	1957		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
CCB	1.00	2002		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182787L	2.00	2006		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182787MS	2.00	2011		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
82787MSD	2.00	2016		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	2.00	2020		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
182789	2.00	2025		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182791	2.00	2029		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182793	2.00	2034		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182808	1.00	2038		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
182810	2.00	2043		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
183154	2.00	2048		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	2052		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
CCB	1.00	2057		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
183155	2.00	2101		_	_	_	_	_	_	_	_	_	_	_	X	_	_	_	_	_	_	_	_	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

306507

ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:9131__

Instrument ID Number: TJA- 61E_____ Method: P_

Start Date: 02/14/00 End Date: 02/14/00

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	B
183156	2.00	2106													X												
183157	2.00	2110													X												
183158	2.00	2115													X												
183159	2.00	2120													X												
183160	2.00	2124													X												
183161	2.00	2129													X												
183162	2.00	2133													X												
183163	2.00	2138													X												
183164	2.00	2142													X												
CCV	1.00	2147													X												
CCB	1.00	2152													X												
183165	2.00	2156													X												
183213	2.00	2201													X												
183214	2.00	2205													X												
ICSA	1.00	2210													X												
ICSAB	1.00	2214													X												
CCV	1.00	2219													X												
CCB	1.00	2224													X												

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File : 9131E1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1-BLANK		3		1.0	02/14/00	18:38:00	
2	STD2		3		1.0	02/14/00	18:43:00	
3	STD3		3		1.0	02/14/00	18:47:00	
4	STD4		3		1.0	02/14/00	18:52:00	
5	HSA		0		1.0	02/14/00	18:58:00	
6	ICV/CCV1		0		1.0	02/14/00	19:02:00	
7	ICB/CCB1		0		1.0	02/14/00	19:07:00	
8	ICSA1		0		1.0	02/14/00	19:12:00	
9	ICSAB1		0		1.0	02/14/00	19:16:00	
10	MCL		0		1.0	02/14/00	19:21:00	
11	INT-20		0		1.0	02/14/00	19:25:00	
12	BSS021100		0		1.0	02/14/00	19:30:00	
13	PBS021100		0		1.0	02/14/00	19:34:00	
14	LCSS-242		0		2.0	02/14/00	19:39:00	
15	LCSS-242-D		0		2.0	02/14/00	19:44:00	
16	182787D		0		2.0	02/14/00	19:48:00	
17	182787		0		2.0	02/14/00	19:53:00	
18	CCV2		0		1.0	02/14/00	19:57:00	
19	CCB2		0		1.0	02/14/00	20:02:00	
20	182787L		0		2.0	02/14/00	20:06:00	
21	182787MS		0		2.0	02/14/00	20:11:00	
22	182787MSD		0		2.0	02/14/00	20:16:00	
23	182787A		0		2.0	02/14/00	20:20:00	
24	182789		0		2.0	02/14/00	20:25:00	
25	182791		0		2.0	02/14/00	20:29:00	
26	182793		0		2.0	02/14/00	20:34:00	
27	182808		0		1.0	02/14/00	20:38:00	
28	182810		0		2.0	02/14/00	20:43:00	
29	18~~2~~3154		0		2.0	02/14/00	20:48:00	
30	CCV3		0		1.0	02/14/00	20:52:00	
31	CCB3		0		1.0	02/14/00	20:57:00	
32	18~~2~~3155		0		2.0	02/14/00	21:01:00	
33	18~~2~~3156		0		2.0	02/14/00	21:06:00	
34	18~~2~~3157		0		2.0	02/14/00	21:10:00	
35	18~~2~~3158		0		2.0	02/14/00	21:15:00	
36	18~~2~~3159		0		2.0	02/14/00	21:20:00	
37	18~~2~~3160		0		2.0	02/14/00	21:24:00	
38	18~~2~~3161		0		2.0	02/14/00	21:29:00	
39	18~~2~~3162		0		2.0	02/14/00	21:33:00	
40	18~~2~~3163		0		2.0	02/14/00	21:38:00	
41	18~~2~~3164		0		2.0	02/14/00	21:42:00	
42	CCV~~3~~4		0		1.0	02/14/00	21:47:00	
43	CCB4		0		1.0	02/14/00	21:52:00	
44	18~~2~~3165		0		2.0	02/14/00	21:56:00	
45	18~~2~~3213		0		2.0	02/14/00	22:01:00	
46	18~~2~~3214		0		2.0	02/14/00	22:05:00	
47	ICSA2		0		1.0	02/14/00	22:10:00	
48	ICSAB2		0		1.0	02/14/00	22:14:00	
49	CCV5		0		1.0	02/14/00	22:19:00	
50	CCB5		0		1.0	02/14/00	22:24:00	

306509

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
~~1~~	~~CCB4~~	~~9099E5~~	~~SW846~~	~~02/14/00~~	~~18:34~~	~~S~~	~~CONC~~	
2	HSA	9099E5	SW846	02/14/00	18:58	S	CONC	
3	ICV/CCV1	9099E5	SW846	02/14/00	19:02	S	CONC	
4	ICB/CCB1	9099E5	SW846	02/14/00	19:07	S	CONC	
5	ICSA1	9099E5	SW846	02/14/00	19:12	S	CONC	
6	ICSAB1	9099E5	SW846	02/14/00	19:16	S	CONC	
7	MCL	9099E5	SW846	02/14/00	19:21	S	CONC	
8	INT-20	9099E5	SW846	02/14/00	19:25	S	CONC	
9	BSS021100	9099E5	SW846	02/14/00	19:30	S	CONC	
10	PBS021100	9099E5	SW846	02/14/00	19:34	S	CONC	
11	LCSS-242-2X	9099E5	SW846	02/14/00	19:39	S	CONC	
12	LCSS-242-D-2X	9099E5	SW846	02/14/00	19:44	S	CONC	
13	182787D-2X	9099E5	SW846	02/14/00	19:48	S	CONC	
14	182787-2X	9099E5	SW846	02/14/00	19:53	S	CONC	
15	CCV2	9099E5	SW846	02/14/00	19:57	S	CONC	
16	CCB2	9099E5	SW846	02/14/00	20:02	S	CONC	
17	182787L-2X	9099E5	SW846	02/14/00	20:06	S	CONC	
18	182787MS-2X	9099E5	SW846	02/14/00	20:11	S	CONC	
19	182787MSD-2X	9099E5	SW846	02/14/00	20:16	S	CONC	
20	182787A-2X	9099E5	SW846	02/14/00	20:20	S	CONC	
21	182789-2X	9099E5	SW846	02/14/00	20:25	S	CONC	
22	182791-2X	9099E5	SW846	02/14/00	20:29	S	CONC	
23	182793-2X	9099E5	SW846	02/14/00	20:34	S	CONC	
24	182808	9099E5	SW846	02/14/00	20:38	S	CONC	
25	182810-2X	9099E5	SW846	02/14/00	20:43	S	CONC	
26	18~~2~~3154-2X	9099E5	SW846	02/14/00	20:48	S	CONC	
27	CCV3	9099E5	SW846	02/14/00	20:52	S	CONC	
28	CCB3	9099E5	SW846	02/14/00	20:57	S	CONC	
29	18~~2~~3155-2X	9099E5	SW846	02/14/00	21:01	S	CONC	
30	18~~2~~3156-2X	9099E5	SW846	02/14/00	21:06	S	CONC	
31	18~~2~~3157-2X	9099E5	SW846	02/14/00	21:10	S	CONC	
32	18~~2~~3158-2X	9099E5	SW846	02/14/00	21:15	S	CONC	
33	18~~2~~3159-2X	9099E5	SW846	02/14/00	21:20	S	CONC	
34	18~~2~~3160-2X	9099E5	SW846	02/14/00	21:24	S	CONC	
35	18~~2~~3161-2X	9099E5	SW846	02/14/00	21:29	S	CONC	
36	18~~2~~3162-2X	9099E5	SW846	02/14/00	21:33	S	CONC	
37	18~~2~~3163-2X	9099E5	SW846	02/14/00	21:38	S	CONC	
38	18~~2~~3164-2X	9099E5	SW846	02/14/00	21:42	S	CONC	
39	CCV~~3~~4	9099E5	SW846	02/14/00	21:47	S	CONC	
40	CCB~~3~~4	9099E5	SW846	02/14/00	21:52	S	CONC	
41	18~~2~~3165-2X	9099E5	SW846	02/14/00	21:56	S	CONC	
42	18~~2~~3213-2X	9099E5	SW846	02/14/00	22:01	S	CONC	
43	18~~2~~3214-2X	9099E5	SW846	02/14/00	22:05	S	CONC	
44	ICSA2	9099E5	SW846	02/14/00	22:10	S	CONC	
45	ICSAB2	9099E5	SW846	02/14/00	22:14	S	CONC	
46	CCV5	9099E5	SW846	02/14/00	22:19	S	CONC	
47	CCB5	9099E5	SW846	02/14/00	22:24	S	CONC	

2-15-00

306510

#	Sample Name	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288
1	~~CCB4~~	~~30.83~~	~~11.91~~	~~11.82~~	~~1.175~~	~~-.1203~~	~~-.4835~~
2	HSA	198000.	9750.	9806.	40140.	968.7	4889.
3	ICV/CCV1	101400.	4998.	5080.	20250.	500.3	2552.
4	ICB/CCB1	25.71	28.48	28.31	1.823	.0870	-1.631
5	ICSA1	487300.	-18.77	-14.57	-.9821	.0115	-2.248
6	ICSAB1	504900.	971.2	1066.	493.4	486.4	500.6
7	MCL	232.2	156.4	682.9	50.16	4.031	3.923
8	INT-20	-321.4	74.71	10440.	20910.	-1.390	25.49
9	BSS021100	1773.	438.6	1704.	1753.	45.80	45.50
10	PBS021100	-12.67	10.20	25.97	.7323	-.0924	-1.433
11	LCSS-242-2X	19660.	381.3	328.3	375.9	583.2	995.3
12	LCSS-242-D-2X	19270.	356.0	305.3	364.3	559.2	981.1
13	182787D-2X	37520.	-1.711	120.9	369.8	2.114	-1.741
14	182787-2X	36910.	7.654	122.7	316.7	2.055	-1.781
15	CCV2	100800.	4925.	5038.	19980.	497.0	2528.
16	CCB2	-9.358	-1.379	-10.84	.6139	-.0538	-1.333
17	182787L-2X	7459.	-.8045	8.626	63.90	.3425	-.1659
18	182787MS-2X	35560.	181.2	975.7	1292.	26.28	23.17
19	182787MSD-2X	63170.	185.3	961.2	1236.	26.53	23.28
20	182787A-2X	38930.	469.4	2081.	2204.	51.22	48.80
21	182789-2X	37850.	6.949	134.0	526.3	2.167	-1.722
22	182791-2X	29970.	-13.12	72.87	191.1	1.547	-3.613
23	182793-2X	23040.	21.96	118.7	156.0	1.351	-3.499
24	182808	-7.252	-9.828	-2.240	.3112	-.0337	-2.395
25	182810-2X	25680.	10.33	125.7	232.8	1.608	-3.609
26	182154-2X	41440.	15.75	88.00	337.1	3.122	-1.209
27	CCV3	101400.	4984.	5112.	20060.	501.4	2546.
28	CCB3	8.332	17.22	2.042	1.037	-.0577	-1.059
29	182155-2X	55550.	-6.195	130.6	496.1	3.710	-2.735
30	182156-2X	54350.	-.3073	129.7	269.9	3.197	-3.065
31	182157-2X	41710.	-.3501	61.71	465.5	3.989	-2.782
32	182158-2X	46730.	-7.940	74.33	405.0	3.789	-2.485
33	182159-2X	37020.	.2333	95.90	212.6	7.317	-3.298
34	182160-2X	26240.	17.37	53.65	193.9	5.571	-2.568
35	182161-2X	16820.	2.404	25.49	156.9	4.069	-2.113
36	182162-2X	18870.	2.400	5.919	169.0	4.524	-2.017
37	182163-2X	20040.	11.44	9.145	241.0	4.174	-1.792
38	182164-2X	16600.	-5.879	32.53	161.6	3.911	-1.158
39	CCV4	101300.	4990.	5013.	19980.	499.9	2535.
40	CCB4	6.012	16.96	-.8218	.6743	-.0896	-1.637
41	182165-2X	25940.	-8.489	81.88	199.3	5.733	-2.615
42	182213-2X	39630.	-7.769	22.94	63.25	.5346	-2.406
43	182214-2X	43190.	8.855	37.79	62.47	.5715	-1.285
44	ICSA2	491900.	-1.032	-115.5	-1.956	-.0624	-.6959
45	ICSAB2	506400.	949.5	872.7	490.0	487.3	503.1
46	CCV5	100900.	5002.	5003.	19910.	495.3	2515.
47	CCB5	-71.36	33.80	-29.41	.4326	-1.196	-2.064

306511

#	Sample Name	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203
~~1~~	~~CCB4~~	~~3.975~~	~~-2.452~~	~~1.822~~	~~2.466~~	~~.2314~~	~~17.74~~
2	HSA	291600.	9634.	9614.	49350.	192100.	19250.
3	ICV/CCV1	153600.	5054.	5068.	25240.	101300.	9864.
4	ICB/CCB1	-3.905	3.867	-1.634	.2707	-.5198	.9893
5	ICSA1	471600.	-1.312	-3.720	-4.781	186100.	20.25
6	ICSAB1	492400.	484.0	482.2	503.0	192800.	540.3
7	MCL	5332.	24.02	50.26	16.80	217.6	99.28
8	INT-20	-31.96	21400.	21830.	21120.	-5.220	5.057
9	BSS021100	18110.	184.5	456.6	226.6	924.2	406.0
10	PBS021100	304.4	.8836	-2.013	-2.032	-.8947	-9.723
11	LCSS-242-2X	8390.	259.6	830.2	341.1	47340.	310.6
12	LCSS-242-D-2X	8047.	257.1	793.3	330.7	48140.	295.8
13	182787D-2X	11360.	62.94	50.73	248.2	108100.	340.9
14	182787-2X	13480.	61.87	33.43	275.1	109300.	364.7
15	CCV2	151400.	5023.	5007.	25130.	100500.	9807.
16	CCB2	-6.381	.0456	-1.538	-2.853	-5.053	-32.49
17	182787L-2X	2745.	14.45	2.668	52.98	22380.	63.33
18	182787MS-2X	23710.	148.9	272.6	353.7	94310.	799.9
19	182787MSD-2X	21390.	212.9	276.1	348.8	102800.	640.0
20	182787A-2X	33510.	253.5	525.1	513.5	109800.	857.6
21	182789-2X	39090.	120.5	81.58	302.2	124900.	581.0
22	182791-2X	21520.	112.0	74.53	227.3	141900.	53.97
23	182793-2X	15400.	97.39	113.1	551.7	152000.	42.29
24	182808	27.02	1.576	-3.482	-3.021	.4150	-23.32
25	182810-2X	21890.	120.2	65.67	223.5	147200.	168.2
26	182154-2X	5709.	84.50	44.01	53.54	110000.	42.34
27	CCV3	153000.	5066.	5052.	25320.	101300.	9890.
28	CCB3	-6.252	.7873	-1.776	-1.373	-1.652	-9.214
29	182155-2X	7614.	80.49	47.10	74.75	115300.	58.00
30	182156-2X	6228.	82.92	47.34	65.19	117500.	50.55
31	182157-2X	6304.	89.25	73.85	82.45	119500.	49.39
32	182158-2X	7825.	87.81	47.88	87.50	122500.	53.84
33	182159-2X	8918.	105.4	40.74	510.7	133300.	65.41
34	182160-2X	13310.	104.4	21.53	530.4	112500.	78.06
35	182161-2X	13550.	47.84	12.14	567.7	36920.	19.01
36	182162-2X	15500.	76.45	18.15	571.6	70890.	26.77
37	182163-2X	14470.	102.6	18.88	440.4	103100.	68.50
38	182164-2X	15750.	55.84	13.18	502.6	45680.	4.859
39	CCV4	152300.	5063.	5028.	25350.	101200.	9809.
40	CCB4	-5.728	-.2637	-3.481	-2.035	-4.678	-18.62
41	182165-2X	11840.	126.8	27.30	541.2	155800.	68.03
42	182213-2X	888.6	59.17	2.470	22.60	32530.	73.80
43	182214-2X	781.0	56.89	3.894	22.72	35340.	73.51
44	ICSA2	472400.	-.4076	-3.622	-4.337	187400.	50.12
45	ICSAB2	492600.	488.7	481.0	506.8	193300.	509.5
46	CCV5	151900.	5041.	4984.	25350.	100600.	9735.
47	CCB5	-22.69	2.085	-2.628	-9.269	-12.04	-9.471

306512

#	Sample Name	Mg2790	Mn2576	Ni2316	K_7664	Se1960	Ag3280
~~1~~	~~CCB4~~	~~-14.92~~	~~-.3455~~	~~.9537~~	~~-1011.~~	~~33.58~~	~~.9385~~
2	HSA	296400.	9698.	9556.	103300.	9727.	4912.
3	ICV/CCV1	153200.	5070.	5041.	51370.	5103.	2509.
4	ICB/CCB1	-11.89	.3336	-3.268	-721.9	23.91	3.760
5	ICSA1	490900.	.2647	4.373	-429.3	54.78	-1.955
6	ICSAB1	510100.	487.0	463.2	10200.	1009.	486.1
7	MCL	5201.	20.41	46.77	9157.	409.5	19.30
8	INT-20	-85.26	21670.	22000.	-576.5	65.07	-45.55
9	BSS021100	17510.	449.6	464.3	16470.	1766.	44.06
10	PBS021100	-3.695	.5072	-1.282	-388.0	-6.122	-2.655
11	LCSS-242-2X	6492.	1571.	418.2	6643.	335.0	811.8
12	LCSS-242-D-2X	6551.	1526.	397.9	6187.	370.6	791.8
13	182787D-2X	9793.	1482.	62.57	1678.	28.51	-2.610
14	182787-2X	9671.	1295.	57.37	2222.	97.17	-3.008
15	CCV2	151700.	5020.	5018.	51300.	4995.	2489.
16	CCB2	-6.680	.0905	-.3835	-586.4	54.68	-1.949
17	182787L-2X	1963.	263.3	5.652	-82.18	38.17	-1.442
18	182787MS-2X	18560.	1452.	295.7	10690.	929.6	20.71
19	182787MSD-2X	18010.	1453.	305.0	10470.	980.9	18.38
20	182787A-2X	29310.	1776.	541.5	21690.	1985.	45.46
21	182789-2X	24520.	1179.	93.08	7210.	79.56	-2.975
22	182791-2X	20850.	1102.	99.35	7562.	28.22	-2.634
23	182793-2X	16730.	722.9	139.4	6955.	7.879	-.9865
24	182808	-26.60	-.3854	-2.322	-812.9	10.40	-.5278
25	182810-2X	17970.	911.3	107.6	7058.	83.15	-3.118
26	187154-2X	22550.	2431.	110.5	6484.	72.42	-5.841
27	CCV3	153600.	5074.	5062.	51410.	5164.	2509.
28	CCB3	.1677	.2716	-.0052	-358.3	30.66	-.5132
29	187155-2X	21890.	3416.	103.2	6881.	43.96	-5.314
30	187156-2X	23200.	2522.	110.2	6502.	47.09	-7.347
31	187157-2X	20720.	5928.	129.5	5944.	65.77	-7.380
32	187158-2X	24830.	3057.	120.0	6453.	54.22	-7.649
33	187159-2X	20820.	792.9	138.7	6003.	21.10	-2.416
34	187160-2X	12220.	444.7	83.97	3682.	26.71	-4.433
35	187161-2X	9537.	204.6	57.70	3009.	-31.98	-.1733
36	187162-2X	10730.	323.1	65.35	3548.	4.925	-2.047
37	187163-2X	10750.	324.9	78.40	3550.	65.02	-.9359
38	187164-2X	10050.	186.3	62.33	3409.	13.87	.5980
39	CCV4	153100.	5059.	5042.	51130.	5019.	2496.
40	CCB4	-18.78	-.0262	-3.173	-674.0	28.40	.0476
41	187165-2X	13400.	504.0	92.80	4590.	82.16	-2.613
42	187213-2X	1114.	84.69	15.12	233.6	-4.609	-.3195
43	187214-2X	1146.	93.68	12.00	491.5	72.00	.8607
44	ICSA2	494900.	-.1787	-4.176	-366.5	44.79	-2.510
45	ICSAB2	512000.	487.3	474.2	10460.	1119.	484.2
46	CCV5	151500.	5032.	4983.	51320.	5038.	2499.
47	CCB5	-33.01	.0821	-1.565	-1144.	-.8901	-8.517

306513

#	Sample Name	Na5889	Tl1908	V_2924	Zn2138	B_2496	Mo2020
~~1~~	~~CCB4~~	~~-421.8~~	~~34.99~~	~~-3.348~~	~~.5893~~	~~2.123~~	~~2.871~~
2	HSA	199900.	9700.	9767.	48440.	9818.	9683.
3	ICV/CCV1	101900.	5054.	5080.	25290.	5104.	4823.
4	ICB/CCB1	-83.42	-1.268	-1.721	1.819	9.776	3.366
5	ICSA1	263.8	H225.4	-.6215	4.667	-18.97	14.52
6	ICSAB1	11080.	1149.	493.4	511.0	481.7	500.5
7	MCL	4928.	525.5	50.41	55.28	103.3	99.80
8	INT-20	-122.8	-99.45	21170.	21090.	-10.24	21170.
9	BSS021100	17590.	1773.	449.3	450.7	448.3	468.5
10	PBS021100	142.1	-22.10	-1.636	13.30	-.6884	2.031
11	LCSS-242-2X	1136.	661.1	535.6	351.8	194.8	388.5
12	LCSS-242-D-2X	975.8	624.1	524.2	362.5	190.2	386.3
13	182787D-2X	446.6	44.28	109.8	671.9	23.17	9.625
14	182787-2X	549.9	73.02	121.8	745.7	21.01	8.057
15	CCV2	101100.	5023.	5024.	25000.	5025.	4762.
16	CCB2	-162.5	-15.18	-2.467	.8986	-.5959	-2.618
17	182787L-2X	-2.540	-10.61	23.55	153.4	3.238	6.088
18	182787MS-2X	9921.	1001.	348.1	923.0	257.2	257.1
19	182787MSD-2X	9977.	1011.	369.1	971.1	270.0	249.7
20	182787A-2X	20120.	2056.	602.9	1226.	517.0	156.3
21	182789-2X	2070.	69.22	227.2	670.9	21.70	-.1657
22	182791-2X	1176.	88.08	225.2	133.2	16.14	4.623
23	182793-2X	824.4	85.03	235.4	92.98	16.36	9.754
24	182808	-28.38	-18.88	-3.139	.1380	-.6819	3.035
25	182810-2X	1035.	104.8	244.2	271.5	17.75	12.46
26	18~~2~~3154-2X	631.6	102.1	107.9	254.6	37.88	6.722
27	CCV3	101600.	5128.	5080.	25260.	5067.	4824.
28	CCB3	-132.0	13.12	-1.305	1.918	-.1532	-.9554
29	18~~2~~3155-2X	667.4	86.74	114.4	249.2	44.70	7.303
30	18~~2~~3156-2X	656.9	13.89	90.90	246.5	43.39	5.217
31	18~~2~~3157-2X	639.2	65.10	111.4	286.1	36.83	3.102
32	18~~2~~3158-2X	686.1	81.44	112.2	291.0	48.84	3.427
33	18~~2~~3159-2X	545.2	82.44	90.63	478.8	30.84	7.855
34	18~~2~~3160-2X	489.4	112.3	77.52	402.1	21.05	5.922
35	18~~2~~3161-2X	510.5	25.45	28.65	349.9	8.742	6.275
36	18~~2~~3162-2X	559.5	16.81	58.53	376.0	13.18	3.017
37	18~~2~~3163-2X	500.7	23.32	72.05	357.6	17.64	8.563
38	18~~2~~3164-2X	517.1	10.62	33.22	344.8	2.857	.2596
39	CCV~~3~~4	101300.	5016.	5058.	25130.	5059.	4817.
40	CCB~~3~~4	-102.3	49.48	-2.475	1.058	-1.129	.7065
41	18~~2~~3165-2X	558.4	41.27	115.2	426.6	23.45	7.349
42	18~~2~~3213-2X	128.8	-1.896	57.05	140.9	6.821	2.555
43	18~~2~~3214-2X	103.5	-40.06	62.08	115.8	4.105	.8808
44	ICSA2	245.7	H220.9	.0592	3.819	-19.59	12.34
45	ICSAB2	11010.	1155.	492.8	510.6	482.2	510.6
46	CCV5	101200.	5029.	5031.	24970.	5031.	4777.
47	CCB5	L-1370.	15.24	-3.547	-1.174	-3.963	-9.600

306514

#	Sample Name	Sn1899
~~1~~	~~CCB4~~	~~-20.55~~
2	HSA	9646.
3	ICV/CCV1	5072.
4	ICB/CCB1	7.368
5	ICSA1	52.18
6	ICSAB1	968.6
7	MCL	359.2
8	INT-20	8.059
9	BSS021100	L-.7962
10	PBS021100	17.77
11	LCSS-242-2X	361.7
12	LCSS-242-D-2X	375.0
13	182787D-2X	55.05
14	182787-2X	48.84
15	CCV2	4997.
16	CCB2	-.3076
17	182787L-2X	-3.950
18	182787MS-2X	29.25
19	182787MSD-2X	37.54
20	182787A-2X	52.13
21	182789-2X	68.31
22	182791-2X	54.32
23	182793-2X	68.03
24	182808	-9.059
25	182810-2X	55.76
26	18~~2~~3154-2X	40.54
27	CCV3	5103.
28	CCB3	-2.349
29	18~~2~~3155-2X	47.45
30	18~~2~~3156-2X	36.86
31	18~~2~~3157-2X	43.69
32	18~~2~~3158-2X	30.50
33	18~~2~~3159-2X	52.54
34	18~~2~~3160-2X	55.54
35	18~~2~~3161-2X	17.16
36	18~~2~~3162-2X	21.00
37	18~~2~~3163-2X	30.57
38	18~~2~~3164-2X	13.36
39	CCV~~3~~4	5062.
40	CCB~~4~~3	-6.340
41	18~~2~~3165-2X	54.02
42	18~~2~~3213-2X	2.098
43	18~~2~~3214-2X	21.71
44	ICSA2	68.97
45	ICSAB2	964.9
46	CCV5	5018.
47	CCB5	-17.51

306515

#1	-2.669	-2.316	-3.116	2.534	11.76	-8.587	-.4681
#2	-2.236	-1.328	-1.816	-2.071	23.73	-21.26	-.2228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	24.90	24.90	99.90	49.90	200.0	4.900
Low	-9.900	-24.90	-24.90	-99.90	-49.90	-200.0	-4.900
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.9537	-1011.	33.58	-.9383	-421.8	34.99	-3.348
SDev	.7636	44.	21.08	.8066	21.1	21.54	.295
%RSD	80.07	4.372	62.77	85.96	4.998	61.56	8.815
#1	-.4138	-1043.	18.68	-1.509	-406.9	19.76	-3.557
#2	-1.494	-980.1	48.49	-.3680	-436.7	50.23	-3.139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39.90	2500.	99.90	9.900	1000.	100.0	49.90
Low	-39.90	-2500.	-99.90	-9.900	-1000.	-100.0	-49.90

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	.5893	2.123	2.871	-20.55
SDev	.4404	.619	3.405	12.47
%RSD	74.73	29.17	118.6	60.69
#1	.9008	2.561	5.279	-11.73
#2	.2779	1.685	.4635	-29.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	19.90	99.90	25.00	50.00
Low	-19.90	-99.90	-25.00	-50.00

Method: SW846 Standard: STD1-BLANK
Run Time: 02/14/00 18:38:37

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Avge	.0278	.0020	-.0033	.0001	.0078	.0020	.0036
SDev	.0032	.0024	.0054	.0004	.0001	.0001	.0004
%RSD	11.71	122.2	164.3	282.8	1.209	2.397	10.48
#1	.0301	.0037	.0005	.0004	.0079	.0019	.0039
#2	.0255	.0003	-.0071	-.0001	.0077	.0020	.0033
Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.0001	.0038	.0016	.0005	.0072	.0026	.0010
SDev	.0006	.0006	.0003	.0000	.0011	.0006	.0001
%RSD	848.5	14.89	17.68	.0000	14.99	21.76	14.63
#1	.0005	.0034	.0014	.0005	.0065	.0022	.0011
#2	-.0003	.0042	.0018	.0005	.0080	.0030	.0009
Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Avge	.0104	-.0027	-.0007	-.0040	-.5396	-.0012	.0008
SDev	.0003	.0035	.0008	.0011	.0016	.0021	.0002
%RSD	2.720	130.9	113.1	27.33	.2970	172.0	23.57

306516

#1	.0102	-.0052	-.0001	-.0032	-.5385	.0003	.0009
#2	.0106	-.0002	-.0012	-.0047	-.5407	-.0027	.0007

Elem	Zn2138	B_2496	Mo2020	Sn1899
Avge	.0063	.0025	.0007	.0034
SDev	.0001	.0000	.0008	.0021
%RSD	2.245	.0000	113.1	63.01
#1	.0062	.0025	.0012	.0019
#2	.0064	.0025	.0001	.0049

Method: SW846 Standard: STD2
Run Time: 02/14/00 18:43:13

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Avge	2.712	.1238	.0705	2.186	.2057	.2013	7.874
SDev	.008	.0007	.0006	.010	.0006	.0000	.021
%RSD	.2833	.5331	.8028	.4377	.2750	.0000	.2706
#1	2.707	.1243	.0709	2.180	.2053	.2013	7.859
#2	2.717	.1233	.0701	2.193	.2061	.2013	7.889

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	.3298	.7377	1.027	3.674	.2706	2.820	.5759
SDev	.0013	.0005	.003	.009	.0013	.014	.0010
%RSD	.3859	.0703	.2663	.2540	.4703	.4865	.1801
#1	.3289	.7381	1.025	3.667	.2715	2.810	.5751
#2	.3307	.7373	1.029	3.681	.2697	2.829	.5766

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Avge	.7458	.1862	.0424	.1132	3.977	.0686	.2098
SDev	.0039	.0093	.0001	.0001	.012	.0004	.0002
%RSD	.5246	4.987	.3333	.0417	.2904	.5497	.1124
#1	.7485	.1928	.0423	.1132	3.969	.0689	.2096
#2	.7430	.1797	.0425	.1131	3.985	.0683	.2099

Elem	Zn2138	B_2496	Mo2020	Sn1899
Avge	3.385	.2989	.1042	.1817
SDev	.009	.0009	.0001	.0045
%RSD	.2618	.3155	.0905	2.490
#1	3.378	.2982	.1043	.1849
#2	3.391	.2995	.1041	.1785

Method: SW846 Standard: STD3
Run Time: 02/14/00 18:47:49

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Avge	13.39	.5904	.3530	11.00	.9689	.9829	38.32
SDev	.10	.0080	.0102	.09	.0075	.0024	.18
%RSD	.7749	1.349	2.898	.8594	.7784	.2446	.4633
#1	13.46	.5961	.3602	11.07	.9743	.9846	38.44
#2	13.32	.5848	.3457	10.94	.9636	.9812	38.19

306517

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	1.588	3.525	5.040	17.60	1.288	13.96	2.785
SDev	.009	.018	.043	.13	.011	.15	.017
%RSD	.5938	.5188	.8493	.7441	.8786	1.043	.6145
#1	1.595	3.538	5.070	17.69	1.296	14.06	2.797
#2	1.581	3.512	5.010	17.51	1.280	13.86	2.772

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Avge	3.536	1.024	.2125	.5702	22.29	.3447	1.024
SDev	.019	.001	.0017	.0038	.22	.0036	.008
%RSD	.5506	.1381	.7985	.6614	.9895	1.039	.7691
#1	3.550	1.023	.2137	.5729	22.45	.3473	1.029
#2	3.522	1.025	.2113	.5675	22.14	.3422	1.018

Elem	Zn2138	B_2496	Mo2020	Sn1899
Avge	16.42	1.458	.5009	.8697
SDev	.08	.013	.0025	.0080
%RSD	.4737	.8990	.4988	.9214
#1	16.48	1.467	.5027	.8754
#2	16.37	1.449	.4991	.8641

Method: SW846 Standard: STD4
Run Time: 02/14/00 18:52:25

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Avge	26.61	1.163	.6806	22.28	1.879	1.927	74.64
SDev	.13	.008	.0147	.13	.009	.006	.38
%RSD	.4871	.6525	2.161	.5833	.4767	.3010	.5134
#1	26.51	1.158	.6702	22.19	1.872	1.922	74.37
#2	26.70	1.168	.6910	22.37	1.885	1.931	74.91

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Avge	3.070	6.803	10.04	33.92	2.471	27.60	5.429
SDev	.013	.029	.05	.16	.011	.15	.028
%RSD	.4192	.4234	.5418	.4815	.4522	.5403	.5079
#1	3.061	6.782	10.00	33.80	2.463	27.50	5.410
#2	3.079	6.823	10.08	34.03	2.479	27.71	5.449

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Avge	6.761	2.102	.4181	1.131	45.20	.6553	2.004
SDev	.041	.003	.0007	.006	.24	.0076	.010
%RSD	.6031	.1614	.1691	.5584	.5227	1.165	.5103
#1	6.732	2.100	.4176	1.127	45.04	.6607	1.997
#2	6.790	2.105	.4186	1.136	45.37	.6499	2.012

Elem	Zn2138	B_2496	Mo2020	Sn1899
Avge	31.92	2.863	.9729	1.664
SDev	.16	.018	.0042	.002
%RSD	.5013	.6241	.4264	.1332
#1	31.81	2.850	.9700	1.662

306518

#2	32.04	2.875	.9759	1.666

Method: SW846 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	7480.58	-208.570	12/31/99 06:16:41
Sb2068	206.838	Multiple	Standards	8455.45	-16.8708	12/31/99 06:16:41
As1936	193.696	Multiple	Standards	14340.9	46.9854	12/31/99 06:16:41
Ba4934	493.409	Multiple	Standards	1814.11	.069566	12/31/99 06:16:41
Be3130	313.042	Multiple	Standards	537.302	-4.21719	12/31/99 06:16:41
Cd2288	228.802	Multiple	Standards	2582.08	-5.15534	12/31/99 06:16:41
Ca3179	317.933	Multiple	Standards	3914.26	-21.2560	12/31/99 06:16:41
Cr2677	267.716	Multiple	Standards	3087.70	-.526587	12/31/99 06:16:41
Co2286	228.616	Multiple	Standards	1422.37	-5.75770	12/31/99 06:16:41
Cu3247	324.754	Multiple	Standards	4934.61	-8.44350	12/31/99 06:16:41
Fe2599	259.940	Multiple	Standards	5665.51	-9.96655	12/31/99 06:16:41
Pb2203	220.353	Multiple	Standards	7845.08	-57.3223	12/31/99 06:16:41
Mg2790	279.078	Multiple	Standards	10745.2	-30.6053	12/31/99 06:16:41
Mn2576	257.610	Multiple	Standards	1787.49	-1.99358	12/31/99 06:16:41
Ni2316	231.604	Multiple	Standards	1418.71	-15.1381	12/31/99 06:16:41
K_7664	766.491	Multiple	Standards	49594.5	139.342	12/31/99 06:16:41
Se1960	196.026	Multiple	Standards	22521.7	14.8990	12/31/99 06:16:41
Ag3280	328.068	Multiple	Standards	4276.91	16.8911	12/31/99 06:16:41
Na5889	588.995	Multiple	Standards	4392.65	2371.62	12/31/99 06:16:41
Tl1908	190.864	Multiple	Standards	16020.0	19.5119	12/31/99 06:16:41
V_2924	292.402	Multiple	Standards	4650.51	-3.90079	12/31/99 06:16:41
Zn2138	213.856	Multiple	Standards	1525.15	-10.8893	12/31/99 06:16:41
B_2496	249.678	Multiple	Standards	3235.95	-8.34810	12/31/99 06:16:41
Mo2020	202.030	Multiple	Standards	9974.86	-6.93934	12/31/99 06:16:41
Sn1899	189.989	Multiple	Standards	5697.50	-19.4815	12/31/99 06:16:41

Method: SW846

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-BLANK	.000000	-.859700	.859700
		STD2	20000.0	20079.0	-78.9980
		STD3	100000.	99958.6	41.4219
		STD4	200000.	198822.	1178.14

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	STD1-BLANK	.000000	-.241719	.241719
		STD2	1000.00	1029.91	-29.9143
		STD3	5000.00	4975.51	24.4893
		STD4	10000.0	9817.67	182.333

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1936	193.696	STD1-BLANK	.000000	-.339470	.339470
		STD2	1000.00	1057.54	-57.5392
		STD3	5000.00	5108.84	-108.836
		STD4	10000.0	9807.39	192.614

CorCoef: 0.99976

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	STD1-BLANK	.000000	.311448	-.311448

306519

		STD2	4000.00	3966.51	33.4934
		STD3	20000.0	19962.0	38.0371
		STD4	40000.0	40418.2	-418.203

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD1-BLANK	.000000	-.026238	.026238
		STD2	100.000	106.288	-6.28786
		STD3	500.000	516.392	-16.3924
		STD4	1000.00	1005.23	-5.22955

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2288	228.802	STD1-BLANK	.000000	-.077253	.077253
		STD2	500.000	514.531	-14.5314
		STD3	2500.00	2532.77	-32.7715
		STD4	5000.00	4969.39	30.6055

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD1-BLANK	.000000	-7.16464	7.16464
		STD2	30000.0	30799.6	-799.605
		STD3	150000.	149967.	33.2031
		STD4	300000.	292146.	7854.19

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD1-BLANK	.000000	-.320740	.320740
		STD2	1000.00	1017.90	-17.9011
		STD3	5000.00	4902.34	97.6641
		STD4	10000.0	9478.83	521.172

CorCoef: 0.99984

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD1-BLANK	.000000	-.352682	.352682
		STD2	1000.00	1043.53	-43.5261
		STD3	5000.00	5008.48	-8.48291
		STD4	10000.0	9670.02	329.978

CorCoef: 0.99982

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.754	STD1-BLANK	.000000	-.548121	.548121
		STD2	5000.00	5058.09	-58.0874
		STD3	25000.0	24861.0	138.986
		STD4	50000.0	49537.7	462.305

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2599	259.940	STD1-BLANK	.000000	-7.32264	7.32264
		STD2	20000.0	20805.5	-805.479
		STD3	100000.	99703.3	296.680
		STD4	200000.	192141.	7859.42

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	STD1-BLANK	.000000	-.576249	.576249

306520

		STD2	2000.00	2065.82	-65.8167
		STD3	10000.0	10045.0	-45.0430
		STD4	20000.0	19327.1	672.924

CorCoef: 0.99979

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD1-BLANK	.000000	-2.66783	2.66783
		STD2	30000.0	30267.6	-267.619
		STD3	150000.	149983.	16.9375
		STD4	300000.	296570.	3430.28

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD1-BLANK	.000000	-.265674	.265674
		STD2	1000.00	1027.36	-27.3607
		STD3	5000.00	4975.38	24.6162
		STD4	10000.0	9702.57	297.428

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD1-BLANK	.000000	-.383515	.383515
		STD2	1000.00	1042.89	-42.8866
		STD3	5000.00	5001.17	-1.17480
		STD4	10000.0	9576.88	423.116

CorCoef: 0.99973

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K_7664	766.491	STD1-BLANK	.000000	5.43644	-5.43644
		STD2	10000.0	9375.49	624.511
		STD3	50000.0	50920.8	-920.801
		STD4	100000.	104403.	-4403.49

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.026	STD1-BLANK	.000000	-.115450	.115450
		STD2	1000.00	970.568	29.4323
		STD3	5000.00	4801.50	198.500
		STD4	10000.0	9431.20	568.799

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD1-BLANK	.000000	-.073964	.073964
		STD2	500.000	500.895	-.894562
		STD3	2500.00	2455.58	44.4160
		STD4	5000.00	4855.50	144.500

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na5889	588.995	STD1-BLANK	.000000	1.34752	-1.34752
		STD2	20000.0	19841.9	158.094
		STD3	100000.	100304.	-304.500
		STD4	200000.	200929.	-929.203

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD1-BLANK	.000000	-.246117	.246117

306521

	STD2	1000.00	1118.49	-118.487
	STD3	5000.00	5542.16	-542.156
	STD4	10000.0	10516.9	-516.914

CorCoef: 0.99961

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD1-BLANK	.000000	-.180378	.180378
		STD2	1000.00	971.622	28.3781
		STD3	5000.00	4756.21	243.790
		STD4	10000.0	9317.74	682.257

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2138	213.856	STD1-BLANK	.000000	-1.28083	1.28083
		STD2	5000.00	5151.12	-151.123
		STD3	25000.0	25034.2	-34.1582
		STD4	50000.0	48678.8	1321.23

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD1-BLANK	.000000	-.150344	.150344
		STD2	1000.00	958.771	41.2290
		STD3	5000.00	4709.03	290.974
		STD4	10000.0	9255.44	744.564

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-BLANK	.000000	-.289436	.289436
		STD2	1000.00	1032.44	-32.4408
		STD3	5000.00	4989.47	10.5337
		STD4	10000.0	9697.93	302.068

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD1-BLANK	.000000	-.299975	.299975
		STD2	1000.00	1015.94	-15.9435
		STD3	5000.00	4935.82	64.1787
		STD4	10000.0	9460.96	539.037

CorCoef: 0.99975

Method: SW846 Sample Name: HSA Operator:
Run Time: 02/14/00 18:58:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	198000.	9750.	9806.	40140.	968.7	4889.	291600.
SDev	485.	13.	36.	178.	3.0	10.	549.
%RSD	.2451	.1327	.3697	.4444	.3123	.2099	.1884
#1	198300.	9759.	9780.	40270.	970.8	4896.	292000.
#2	197600.	9741.	9832.	40010.	966.6	4881.	291200.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	210900.	10540.	10540.	42180.	1054.	5272.	316200.
Low	189100.	9456.	9456.	37820.	945.6	4728.	283700.

306522

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	9634.	9614.	49350.	192100.	19250.	296400.	9698.
SDev	26.	15.	181.	557.	66.	370.	27.
%RSD	.2710	.1566	.3670	.2901	.3413	.1247	.2796
#1	9653.	9625.	49480.	192500.	19300.	296700.	9717.
#2	9616.	9603.	49220.	191700.	19200.	296100.	9679.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10540.	10540.	52720.	210900.	21090.	316200.	10540.
Low	9456.	9456.	47280.	189100.	18910.	283700.	9456.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	9556.	103300.	9727.	4912.	199900.	9700.	9767.
SDev	16.	671.	32.	13.	722.	107.	27.
%RSD	.1630	.6498	.3262	.2667	.3610	1.100	.2749
#1	9567.	103700.	9704.	4921.	200500.	9776.	9786.
#2	9545.	102800.	9749.	4902.	199400.	9625.	9748.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10540.	105400.	10540.	5272.	210900.	10540.	10540.
Low	9456.	94560.	9456.	4728.	189100.	9456.	9456.

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	48440.	9818.	9683.	9646.
SDev	89.	38.	5.	63.
%RSD	.1833	.3909	.0484	.6535
#1	48500.	9845.	9679.	9691.
#2	48380.	9791.	9686.	9602.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	52720.	10540.	10540.	10540.
Low	47280.	9456.	9456.	9456.

Method: SW846 Sample Name: ICV/CCV1 Operator:
Run Time: 02/14/00 19:02:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	101400.	4998.	5080.	20250.	500.3	2552.	153600.
SDev	1029.	59.	81.	229.	4.5	23.	1235.
%RSD	1.014	1.173	1.589	1.133	.9021	.9027	.8044
#1	100700.	4957.	5023.	20090.	497.1	2536.	152700.
#2	102200.	5040.	5137.	20410.	503.5	2568.	154500.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	110400.	5522.	5520.	22090.	552.2	2761.	165700.
Low	89560.	4478.	4478.	17910.	447.8	2239.	134300.

306523

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5054.	5068.	25240.	101300.	9864.	153200.	5070.
SDev	37.	45.	250.	883.	86.	1443.	46.
%RSD	.7238	.8793	.9890	.8714	.8760	.9417	.9034
#1	5028.	5036.	25060.	100700.	9803.	152200.	5037.
#2	5080.	5099.	25420.	101900.	9925.	154200.	5102.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	5522.	27610.	110400.	11040.	165700.	5522.
Low	4478.	4478.	22390.	89560.	8956.	134300.	4478.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5041.	51370.	5103.	2509.	101900.	5054.	5080.
SDev	56.	5.	83.	24.	1072.	11.	51.
%RSD	1.116	.0091	1.618	.9639	1.053	.2196	1.011
#1	5001.	51370.	5044.	2492.	101100.	5046.	5043.
#2	5080.	51370.	5161.	2526.	102600.	5062.	5116.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	55200.	5522.	2761.	110400.	5522.	5522.
Low	4478.	44780.	4478.	2239.	89560.	4478.	4478.

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	25290.	5104.	4823.	5072.
SDev	214.	40.	57.	56.
%RSD	.8461	.7885	1.189	1.106
#1	25140.	5075.	4783.	5033.
#2	25440.	5132.	4864.	5112.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	27610.	5522.	5522.	5522.
Low	22390.	4478.	4478.	4478.

Method: SW846 Sample Name: ICB/CCB1 Operator:
Run Time: 02/14/00 19:07:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	25.71	28.48	28.31	1.823	.0870	-1.631	-3.905
SDev	30.24	7.55	14.15	.428	.0097	.278	6.455
%RSD	117.6	26.52	49.99	23.45	11.13	17.04	165.3
#1	47.09	23.14	38.31	2.126	.0801	-1.828	.6598
#2	4.325	33.82	18.30	1.521	.0938	-1.435	-8.469
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	59.90	100.0	50.00	4.900	4.900	500.0
Low	-199.0	-59.90	-100.0	-50.00	-4.900	-4.900	-500.0

306524

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	3.867	-1.634	.2707	-.5198	.9893	-11.89	.3336
SDev	1.944	2.210	1.164	5.3405	11.48	26.61	.2566
%RSD	50.26	135.3	429.8	1027.	1160.	223.7	76.90
#1	5.241	-.0712	1.094	3.256	9.107	6.918	.5151
#2	2.492	-3.197	-.5521	-4.296	-7.129	-30.71	.1522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	24.90	24.90	99.90	49.90	200.0	4.900
Low	-9.900	-24.90	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-3.268	-721.9	23.91	3.760	-83.42	-1.268	-1.721
SDev	3.143	923.5	4.26	2.444	10.98	37.033	2.860
%RSD	96.17	127.9	17.80	65.00	13.16	2922.	166.2
#1	-1.046	-68.96	26.92	5.489	-75.66	24.92	.3018
#2	-5.491	-1375.	20.90	2.032	-91.19	-27.45	-3.743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39.90	2500.	99.90	9.900	1000.	100.0	49.90
Low	-39.90	-2500.	-99.90	-9.900	-1000.	-100.0	-49.90

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	1.819	9.776	3.366	7.368
SDev	2.015	2.458	9.875	6.163
%RSD	110.8	25.15	293.3	83.65
#1	3.244	11.51	10.35	11.73
#2	.3938	8.037	-3.616	3.009
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	19.90	99.90	25.00	50.00
Low	-19.90	-99.90	-25.00	-50.00

Method: SW846 Sample Name: ICSA1 Operator:
Run Time: 02/14/00 19:12:08
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	487300.	-18.77	-14.57	-.9821	.0115	-2.248	471600.
SDev	6759.	39.50	13.26	.2217	.0482	.072	4362.
%RSD	1.387	210.4	90.98	22.57	417.8	3.195	.9250
#1	492100.	-46.70	-5.198	-.8254	.0456	-2.197	474700.
#2	482500.	9.158	-23.95	-1.139	-.0225	-2.299	468500.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	200.0	500.0	10.00	10.00	600000.
Low	400000.	-120.0	-200.0	-500.0	-10.00	-10.00	400000.

306525

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.312	-3.720	-4.781	186100.	20.25	490900.	.2647
SDev	.548	2.350	.937	2185.	5.54	5641.	1.187
%RSD	41.78	63.15	19.59	1.174	27.36	1.149	448.4
#1	-.9241	-5.382	-4.118	187600.	24.17	494900.	1.104
#2	-1.699	-2.059	-5.443	184500.	16.33	486900.	-.5744
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20.00	20.00	50.00	240000.	100.0	600000.	9.900
Low	-20.00	-20.00	-50.00	160000.	-100.0	400000.	-9.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4.373	-429.3	54.78	-1.955	263.8	H225.4	-.6215
SDev	8.777	285.2	29.11	3.006	15.7	72.9	.7519
%RSD	200.7	66.43	53.14	153.8	5.948	32.35	121.0
#1	10.58	-631.0	75.36	-4.081	274.9	H276.9	-.0899
#2	-1.834	-227.7	34.19	.1710	252.7	173.8	-1.153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	80.00	5000.	200.0	10.00	2000.	200.0	100.0
Low	-80.00	-5000.	-200.0	-10.00	-2000.	-200.0	-100.0

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	4.667	-18.97	14.52	52.18
SDev	.321	6.13	7.75	25.14
%RSD	6.878	32.33	53.37	48.18
#1	4.894	-14.63	9.042	69.96
#2	4.440	-23.31	20.00	34.40
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	40.00	100.0	50.00	100.0
Low	-40.00	-100.0	-50.00	-100.0

Method: SW846 Sample Name: ICSA81 Operator:
Run Time: 02/14/00 19:16:41
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	504900.	971.2	1066.	493.4	486.4	500.6	492400.
SDev	1645.	56.2	26.	2.5	1.7	.6	1480.
%RSD	.3258	5.784	2.431	.5003	.3580	.1100	.3006
#1	506100.	931.5	1084.	495.1	487.6	501.0	493500.
#2	503700.	1011.	1047.	491.6	485.2	500.2	491400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	1200.	1200.	600.0	600.0	600.0	600000.
Low	400000.	800.0	800.0	400.0	400.0	400.0	400000.

306526

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	484.0	482.2	503.0	192800.	540.3	510100.	487.0
SDev	1.1	1.5	4.1	681.	9.0	1276.	2.0
%RSD	.2359	.3194	.8157	.3532	1.671	.2501	.4067
#1	483.2	483.3	505.9	193300.	533.9	511000.	488.4
#2	484.8	481.1	500.0	192300.	546.7	509200.	485.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	600.0	600.0	240000.	600.0	600000.	600.0
Low	400.0	400.0	400.0	160000.	400.0	400000.	400.0

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	463.2	10200.	1009.	486.1	11080.	1149.	493.4
SDev	.6	65.	30.	1.6	71.	24.	1.9
%RSD	.1324	.6420	3.011	.3354	.6433	2.109	.3765
#1	462.7	10240.	987.9	487.2	11130.	1166.	494.7
#2	463.6	10150.	1031.	484.9	11030.	1132.	492.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	12000.	1200.	600.0	12000.	1200.	600.0
Low	400.0	8000.	800.0	400.0	8000.	800.0	400.0

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	511.0	481.7	500.5	968.6
SDev	2.6	3.7	2.4	12.3
%RSD	.5058	.7646	.4844	1.274
#1	512.8	484.3	502.2	959.9
#2	509.2	479.1	498.8	977.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	600.0	600.0	1200.
Low	400.0	400.0	400.0	800.0

Method: SW846 Sample Name: MCL Operator:
Run Time: 02/14/00 19:21:15
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	232.2	156.4	682.9	50.16	4.031	3.923	5332.
SDev	.6	15.1	39.9	.09	.042	.633	1.
%RSD	.2782	9.687	5.840	.1705	1.051	16.13	.0242
#1	231.8	167.1	711.1	50.10	4.061	4.371	5333.
#2	232.7	145.7	654.7	50.22	4.001	3.476	5332.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	24.02	50.26	16.80	217.6	99.28	5201.	20.41

306527

SDev	.34	2.62	1.17	3.2	17.74	21.	.08
%RSD	1.403	5.205	6.945	1.472	17.87	.3984	.4147
#1	24.25	52.11	17.63	219.9	86.74	5186.	20.47
#2	23.78	48.41	15.98	215.4	111.8	5216.	20.35

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	46.77	9157.	409.5	19.30	4928.	525.5	50.41
SDev	3.75	367.	13.8	.83	16.	25.0	2.48
%RSD	8.008	4.008	3.372	4.288	.3235	4.748	4.911
#1	44.12	9417.	419.2	19.89	4939.	507.9	52.16
#2	49.41	8898.	399.7	18.72	4916.	543.2	48.66

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	55.28	103.3	99.80	359.2
SDev	.41	.5	1.41	11.5
%RSD	.7376	.4370	1.413	3.205
#1	54.99	102.9	100.8	351.0
#2	55.57	103.6	98.80	367.3

Method: SW846 Sample Name: INT-20 Operator:
Run Time: 02/14/00 19:25:50
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-321.4	74.71	10440.	20910.	-1.390	25.49	-31.96
SDev	2.2	14.30	15.	67.	.288	.68	.08
%RSD	.6754	19.15	.1476	.3223	20.71	2.676	.2512
#1	-323.0	84.82	10450.	20960.	-1.594	25.00	-31.90
#2	-319.9	64.59	10430.	20860.	-1.187	25.97	-32.02

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	21400.	21830.	21120.	-5.220	5.057	-85.26	21670.
SDev	68.	19.	90.	6.191	.542	9.81	44.
%RSD	.3157	.0872	.4252	118.6	10.71	11.51	.2038
#1	21440.	21850.	21180.	-.8421	5.440	-78.32	21700.
#2	21350.	21820.	21050.	-9.597	4.674	-92.20	21640.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	22000.	-576.5	65.07	-45.55	-122.8	-99.45	21170.
SDev	15.	49.1	4.26	1.92	26.8	22.02	40.
%RSD	.0659	8.517	6.542	4.217	21.86	22.14	.1907
#1	22010.	-541.8	62.06	-46.91	-103.8	-83.88	21200.
#2	21990.	-611.2	68.08	-44.20	-141.7	-115.0	21150.

306528

Elem	Zn2138	B_2496	Mo2020	Sn1899

Units	ug/L	ug/L	ug/L	ug/L
Avge	21090.	-10.24	21170.	8.059
SDev	19.	.32	59.	12.45
%RSD	.0915	3.155	.2798	154.5
#1	21110.	-10.01	21210.	16.86
#2	21080.	-10.46	21130.	-.7471

Method: SW846 Sample Name: BSS021100 Operator:
Run Time: 02/14/00 19:30:23
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1773.	438.6	1704.	1753.	45.80	45.50	18110.
SDev	15.	12.4	1.	10.	.22	.72	54.
%RSD	.8554	2.820	.0382	.5904	.4800	1.588	.2984
#1	1784.	429.8	1705.	1760.	45.95	44.99	18150.
#2	1762.	447.3	1704.	1745.	45.64	46.02	18080.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2400.	600.0	2400.	2400.	60.00	60.00	24000.
Low	1600.	400.0	1600.	1600.	40.00	40.00	16000.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	184.5	456.6	226.6	924.2	406.0	17510.	449.6
SDev	3.0	2.6	2.6	8.3	1.5	48.	2.0
%RSD	1.601	.5704	1.131	.8986	.3622	.2756	.4501
#1	186.6	458.4	228.4	930.1	405.0	17540.	451.0
#2	182.4	454.8	224.8	918.3	407.1	17470.	448.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	240.0	600.0	300.0	1200.	600.0	24000.	600.0
Low	160.0	400.0	200.0	800.0	400.0	16000.	400.0

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	464.3	16470.	1766.	44.06	17590.	1773.	449.3
SDev	2.7	669.	12.	3.04	154.	57.	2.4
%RSD	.5760	4.060	.6620	6.907	.8736	3.194	.5372
#1	466.2	16940.	1775.	46.21	17700.	1813.	451.0
#2	462.4	L16000.	1758.	41.90	17480.	1733.	447.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	24000.	2400.	60.00	24000.	2400.	600.0
Low	400.0	16000.	1600.	40.00	16000.	1600.	400.0

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	450.7	448.3	468.5	L-.7962
SDev	1.5	1.5	4.7	16.675
%RSD	.3347	.3454	1.004	2094.

306529

#1	451.7	449.4	471.8	L-12.59
#2	449.6	447.2	465.2	L11.00
Errors	LC Pass	LC Pass	LC Pass	LC Low
High	600.0	600.0	600.0	600.0
Low	400.0	400.0	400.0	400.0

Method: SW846 Sample Name: PBS021100 Operator:
Run Time: 02/14/00 19:34:58
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-12.67	10.20	25.97	.7323	-.0924	-1.433	304.4
SDev	5.66	12.73	2.70	.0855	.0076	1.803	3.3
%RSD	44.65	124.8	10.39	11.67	8.245	125.8	1.090
#1	-8.672	1.198	27.88	.6719	-.0870	-.1580	302.1
#2	-16.67	19.20	24.06	.7928	-.0978	-2.708	306.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	59.90	100.0	50.00	4.900	4.900	500.0
Low	-199.0	-59.90	-100.0	-50.00	-4.900	-4.900	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.8836	-2.013	-2.032	-.8947	-9.723	-3.695	.5072
SDev	3.244	1.542	.695	.5304	3.691	1.553	.1695
%RSD	367.2	76.62	34.22	59.28	37.96	42.03	33.43
#1	-1.410	-.9222	-2.524	-1.270	-7.113	-4.793	.6271
#2	3.178	-3.103	-1.540	-.5196	-12.33	-2.597	.3873
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	24.90	24.90	99.90	49.90	200.0	4.900
Low	-9.900	-24.90	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.282	-388.0	-6.122	-2.655	142.1	-22.10	-1.636
SDev	2.341	180.0	16.989	1.028	8.9	15.09	2.268
%RSD	182.6	46.40	277.5	38.71	6.267	68.29	138.6
#1	.3732	-515.3	-18.13	-3.381	135.8	-11.43	-3.240
#2	-2.937	-260.7	5.891	-1.928	148.4	-32.77	-.0331
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39.90	2500.	99.90	9.900	1000.	100.0	49.90
Low	-39.90	-2500.	-99.90	-9.900	-1000.	-100.0	-49.90

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	13.30	-.6884	2.031	17.77
SDev	.84	.7584	1.410	9.70
%RSD	6.344	110.2	69.43	54.61

306530

#1	13.90	-.1521	1.034	10.91
#2	12.70	-1.225	3.029	24.63
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	19.90	99.90	25.00	50.00
Low	-19.90	-99.90	-25.00	-50.00

Method: SW846 Sample Name: LCSS-242-2X Operator:
Run Time: 02/14/00 19:39:31
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	19660.	381.3	328.3	375.9	583.2	995.3	8390.
SDev	8.	10.4	10.2	.1	.1	1.3	5.
%RSD	.0409	2.720	3.095	.0227	.0177	.1334	.0594
#1	19660.	388.6	321.1	376.0	583.1	996.2	8393.
#2	19650.	374.0	335.4	375.9	583.2	994.3	8386.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	29700.	645.0	380.5	452.5	655.0	1140.	10000.
Low	11600.	74.00	205.5	283.5	423.0	715.0	6000.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	259.6	830.2	341.1	47340.	310.6	6492.	1571.
SDev	.2	1.9	1.6	26.	9.6	5.	.
%RSD	.0600	.2343	.4801	.0547	3.097	.0769	.0001
#1	259.7	828.8	340.0	47320.	317.4	6488.	1571.
#2	259.4	831.6	342.3	47360.	303.8	6495.	1571.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	328.5	910.0	375.5	67500.	350.5	8050.	1760.
Low	178.5	600.0	260.5	18800.	215.5	5050.	1190.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	418.2	6643.	335.0	811.8	1136.	661.1	535.6
SDev	.1	168.	4.2	.8	8.	47.4	.6
%RSD	.0160	2.534	1.251	.0987	.7468	7.173	.1055
#1	418.2	6524.	338.0	811.2	1130.	627.6	536.0
#2	418.3	6762.	332.1	812.4	1142.	694.6	535.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	458.5	10300.	386.0	940.0	2360.	835.0	665.0
Low	295.0	4905.	227.5	550.0	75.50	303.5	345.0

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	351.8	194.8	388.5	361.7
SDev	1.4	2.1	2.8	2.9
%RSD	.4071	1.055	.7256	.8145

306531

#1	350.8	193.3	390.5	359.6
#2	352.8	196.2	386.5	363.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	440.5	359.0	449.5	467.0
Low	255.5	93.50	278.5	263.5

Method: SW846 Sample Name: LCSS-242-D-2X Operator:
Run Time: 02/14/00 19:44:05
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	19270.	356.0	305.3	364.3	559.2	981.1	8047.
SDev	8.	15.1	.6	.8	1.4	2.3	15.
%RSD	.0421	4.255	.2086	.2112	.2490	.2360	.1902
#1	19260.	345.3	305.7	363.8	558.2	979.5	8036.
#2	19280.	366.7	304.8	364.9	560.2	982.8	8058.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	29700.	645.0	380.5	452.5	655.0	1140.	10000.
Low	11600.	74.00	205.5	283.5	423.0	715.0	6000.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	257.1	793.3	330.7	48140.	295.8	6551.	1526.
SDev	.1	.5	1.1	109.	4.8	25.	5.
%RSD	.0556	.0673	.3448	.2259	1.624	.3861	.2983
#1	257.2	793.7	331.5	48060.	299.2	6533.	1523.
#2	257.0	792.9	329.9	48210.	292.4	6569.	1529.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	328.5	910.0	375.5	67500.	350.5	8050.	1760.
Low	178.5	600.0	260.5	18800.	215.5	5050.	1190.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	397.9	6187.	370.6	791.8	975.8	624.1	524.2
SDev	9.8	561.	39.0	2.4	44.1	59.9	.2
%RSD	2.454	9.070	10.54	.3051	4.520	9.601	.0378
#1	404.8	6583.	H398.2	790.1	1007.	581.7	524.0
#2	391.0	5790.	342.9	793.5	944.6	666.5	524.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	458.5	10300.	386.0	940.0	2360.	835.0	665.0
Low	295.0	4905.	227.5	550.0	75.50	303.5	345.0

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	362.5	190.2	386.3	375.0
SDev	1.4	1.5	.5	16.8
%RSD	.3859	.8106	.1190	4.484

306532

#1	363.5	189.1	386.6	386.9
#2	361.5	191.2	385.9	363.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	440.5	359.0	449.5	467.0
Low	255.5	93.50	278.5	263.5

Method: SW846 Sample Name: 182787D-2X Operator:
Run Time: 02/14/00 19:48:38
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	37520.	-1.711	120.9	369.8	2.114	-1.741	11360.
SDev	60.	4.032	12.8	.3	.048	.689	9.
%RSD	.1590	235.7	10.56	.0694	2.266	39.58	.0780
#1	37480.	1.141	111.8	369.6	2.148	-2.229	11350.
#2	37560.	-4.562	129.9	369.9	2.080	-1.254	11360.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	62.94	50.73	248.2	108100.	340.9	9793.	1482.
SDev	2.76	1.54	.5	14.	5.1	46.	2.
%RSD	4.381	3.035	.1888	.0133	1.509	.4693	.1255
#1	60.99	51.82	248.5	108100.	337.2	9761.	1481.
#2	64.89	49.64	247.9	108100.	344.5	9826.	1483.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	62.57	1678.	28.51	-2.610	446.6	44.28	109.8
SDev	7.56	58.	3.16	2.816	29.2	40.74	.4
%RSD	12.08	3.482	11.07	107.9	6.534	92.01	.4010
#1	67.91	1720.	26.28	-4.601	467.3	73.08	110.1
#2	57.22	1637.	30.74	-.6183	426.0	15.47	109.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	671.9	23.17	9.625	55.05
SDev	2.0	4.77	5.177	2.67
%RSD	.2921	20.60	53.78	4.850

306533

#1	670.5	26.54	13.29	53.16
#2	673.2	19.79	5.964	56.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182787-2X Operator:
Run Time: 02/14/00 19:53:12
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	36910.	7.654	122.7	316.7	2.055	-1.781	13480.
SDev	64.	34.70	50.0	1.7	.025	.860	22.
%RSD	.1725	453.4	40.78	.5400	1.195	48.27	.1656
#1	36960.	32.19	87.31	317.9	2.072	-2.389	13490.
#2	36870.	-16.88	158.1	315.5	2.037	-1.173	13460.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	61.87	33.43	275.1	109300.	364.7	9671.	1295.
SDev	1.45	.33	.5	180.	2.2	84.	4.
%RSD	2.343	.9975	.1822	.1647	.6109	.8664	.2741
#1	62.89	33.66	275.5	109400.	366.3	9730.	1298.
#2	60.84	33.19	274.7	109200.	363.1	9612.	1293.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	57.37	2222.	97.17	-3.008	549.9	73.02	121.8
SDev	1.67	201.	7.05	2.620	9.7	40.04	.2
%RSD	2.916	9.047	7.251	87.10	1.767	54.83	.1702
#1	56.18	2080.	92.19	-1.155	543.1	101.3	121.9
#2	58.55	2364.	102.2	-4.860	556.8	44.71	121.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	745.7	21.01	8.057	48.84
SDev	3.3	3.89	9.422	28.93
%RSD	.4452	18.52	116.9	59.24

306534

#1	748.0	23.76	14.72	69.30
#2	743.3	18.26	1.394	28.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: CCV2 Operator:
Run Time: 02/14/00 19:57:46
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	100800.	4925.	5038.	19980.	497.0	2528.	151400.
SDev	1499.	27.	161.	352.	7.2	30.	1960.
%RSD	1.487	.5468	3.204	1.762	1.442	1.189	1.294
#1	99780.	4906.	4924.	19730.	491.9	2506.	150000.
#2	101900.	4944.	5152.	20230.	502.0	2549.	152800.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	110400.	5522.	5520.	22090.	552.2	2761.	165700.
Low	89560.	4478.	4478.	17910.	447.8	2239.	134300.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5023.	5007.	25130.	100500.	9807.	151700.	5020.
SDev	65.	57.	380.	1378.	98.	2053.	65.
%RSD	1.288	1.147	1.513	1.371	.9969	1.353	1.295
#1	4977.	4966.	24860.	99550.	9738.	150200.	4974.
#2	5069.	5048.	25400.	101500.	9876.	153100.	5066.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	5522.	27610.	110400.	11040.	165700.	5522.
Low	4478.	4478.	22390.	89560.	8956.	134300.	4478.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5018.	51300.	4995.	2489.	101100.	5023.	5024.
SDev	65.	243.	71.	33.	1540.	62.	68.
%RSD	1.303	.4739	1.419	1.309	1.523	1.227	1.356
#1	4971.	51130.	4945.	2466.	99990.	4980.	4976.
#2	5064.	51480.	5045.	2512.	102200.	5067.	5072.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	55200.	5522.	2761.	110400.	5522.	5522.
Low	4478.	44780.	4478.	2239.	89560.	4478.	4478.

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	25000.	5025.	4762.	4997.
SDev	300.	78.	62.	89.
%RSD	1.202	1.555	1.304	1.790

306535

#1	24780.	4970.	4718.	4933.
#2	25210.	5081.	4805.	5060.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	27610.	5522.	5522.	5522.
Low	22390.	4478.	4478.	4478.

Method: SW846 Sample Name: CCB2 Operator:
Run Time: 02/14/00 20:02:19
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-9.358	-1.379	-10.84	.6139	-.0538	-1.333	-6.381
SDev	3.938	27.506	6.09	.0855	.0012	1.014	.369
%RSD	42.08	1995.	56.17	13.93	2.295	76.02	5.788
#1	-6.573	18.07	-15.15	.6743	-.0546	-2.050	-6.119
#2	-12.14	-20.83	-6.536	.5534	-.0529	-.6167	-6.642
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	59.90	100.0	50.00	4.900	4.900	500.0
Low	-199.0	-59.90	-100.0	-50.00	-4.900	-4.900	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.0456	-1.538	-2.853	-5.053	-32.49	-6.680	.0905
SDev	.8660	1.679	.934	1.067	8.51	19.787	.0833
%RSD	1899.	109.2	32.72	21.12	26.19	296.2	92.02
#1	-.5668	-.3507	-2.193	-4.298	-38.50	-20.67	.0316
#2	.6580	-2.726	-3.513	-5.808	-26.47	7.311	.1494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	24.90	24.90	99.90	49.90	200.0	4.900
Low	-9.900	-24.90	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.3835	-586.4	54.68	-1.949	-162.5	-15.18	-2.467
SDev	8.6940	203.4	24.42	.803	13.5	74.73	.372
%RSD	2267.	34.69	44.66	41.22	8.283	492.4	15.08
#1	-6.531	-730.2	37.41	-2.517	-172.0	37.67	-2.204
#2	5.764	-442.6	71.94	-1.381	-153.0	-68.02	-2.731
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39.90	2500.	99.90	9.900	1000.	100.0	49.90
Low	-39.90	-2500.	-99.90	-9.900	-1000.	-100.0	-49.90

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	.8986	-.5959	-2.618	-.3076
SDev	.0276	1.5254	1.413	16.452
%RSD	3.066	256.0	53.96	5349.

306536

#1	.9181	-1.675	-3.617	11.33
#2	.8791	.4828	-1.619	-11.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	19.90	99.90	25.00	50.00
Low	-19.90	-99.90	-25.00	-50.00

Method: SW846 Sample Name: 182787L-2X Operator:
Run Time: 02/14/00 20:06:53
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	7459.	-.8045	8.626	63.90	.3425	-.1659	2745.
SDev	29.	23.497	49.40	.51	.0762	.7241	10.
%RSD	.3880	2921.	572.7	.8028	22.26	436.3	.3764
#1	7438.	15.81	-26.31	63.54	.3964	.3461	2738.
#2	7479.	-17.42	43.56	64.27	.2886	-.6779	2753.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	14.45	2.668	52.98	22380.	63.33	1963.	263.3
SDev	3.20	1.674	.50	184.	5.54	1.	1.0
%RSD	22.15	62.72	.9510	.8235	8.749	.0451	.3867
#1	16.71	3.852	52.62	22250.	59.42	1963.	262.6
#2	12.19	1.485	53.33	22510.	67.25	1964.	264.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5.652	-82.18	38.17	-1.442	-2.540	-10.61	23.55
SDev	7.357	411.47	38.88	2.421	.200	12.00	.08
%RSD	130.2	500.7	101.9	167.8	7.878	113.0	.3480
#1	10.85	208.8	65.67	.2693	-2.399	-19.09	23.50
#2	.4500	-373.1	10.67	-3.154	-2.682	-2.131	23.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	153.4	3.238	6.088	-3.950
SDev	2.0	1.460	2.802	27.989
%RSD	1.292	45.08	46.02	708.7

306537

#1	154.8	2.206	8.069	-23.74
#2	152.0	4.270	4.107	15.84
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182787MS-2X Operator:
Run Time: 02/14/00 20:11:27
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	35560.	181.2	975.7	1292.	26.28	23.17	23710.
SDev	227.	16.8	48.6	9.	.15	.88	139.
%RSD	.6397	9.256	4.981	.6817	.5697	3.806	.5844
#1	35400.	193.0	941.3	1286.	26.17	22.55	23610.
#2	35720.	169.3	1010.	1298.	26.38	23.80	23810.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	148.9	272.6	353.7	94310.	799.9	18560.	1452.
SDev	2.9	.5	.6	502.	3.6	143.	8.
%RSD	1.962	.1686	.1624	.5328	.4554	.7689	.5480
#1	146.8	272.2	353.3	93960.	797.3	18460.	1446.
#2	150.9	272.9	354.1	94670.	802.5	18660.	1458.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	295.7	10690.	929.6	20.71	9921.	1001.	348.1
SDev	5.1	129.	12.7	2.21	23.	12.	.7
%RSD	1.741	1.202	1.369	10.69	.2322	1.208	.1928
#1	292.1	10790.	938.6	19.15	9905.	1009.	347.6
#2	299.4	10600.	920.6	22.28	9938.	992.2	348.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	923.0	257.2	257.1	29.25
SDev	3.0	1.0	.1	22.83
%RSD	.3276	.3735	.0214	78.03

306538

#1	920.9	257.9	257.0	13.11
#2	925.2	256.6	257.1	45.39
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182787MSD-2X Operator:
Run Time: 02/14/00 20:16:01
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	63170.	185.3	961.2	1236.	26.53	23.28	21390.
SDev	753.	25.9	7.6	5.	.04	2.18	37.
%RSD	1.191	13.99	.7948	.4152	.1629	9.368	.1741
#1	63700.	203.7	955.8	1239.	26.56	24.82	21420.
#2	62640.	167.0	966.6	1232.	26.50	21.74	21370.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	212.9	276.1	348.8	102800.	640.0	18010.	1453.
SDev	.3	3.5	1.7	215.	12.0	135.	3.
%RSD	.1547	1.261	.4810	.2093	1.871	.7486	.2217
#1	213.1	278.5	350.0	103000.	648.4	18110.	1455.
#2	212.6	273.6	347.6	102700.	631.5	17920.	1451.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	305.0	10470.	980.9	18.38	9977.	1011.	369.1
SDev	1.6	77.	30.3	.18	22.	53.	2.2
%RSD	.5266	.7371	3.092	1.004	.2179	5.214	.5978
#1	303.9	10410.	959.5	18.25	9992.	1048.	370.7
#2	306.2	10520.	1002.	18.51	9961.	973.7	367.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	971.1	270.0	249.7	37.54
SDev	4.2	4.4	5.2	32.57
%RSD	.4317	1.647	2.080	86.76

306539

#1	974.0	273.1	253.3	14.51
#2	968.1	266.8	246.0	60.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182787A-2X Operator:
Run Time: 02/14/00 20:20:35
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	38930.	469.4	2081.	2204.	51.22	48.80	33510.
SDev	327.	15.5	51.	21.	.35	1.31	136.
%RSD	.8411	3.302	2.434	.9662	.6779	2.684	.4052
#1	39160.	480.4	2116.	2219.	51.46	47.88	33610.
#2	38700.	458.4	2045.	2189.	50.97	49.73	33420.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	253.5	525.1	513.5	109800.	857.6	29310.	1776.
SDev	3.5	4.5	1.3	808.	7.5	438.	12.
%RSD	1.392	.8646	.2620	.7356	.8720	1.494	.6624
#1	256.0	528.3	514.5	110400.	852.3	29620.	1784.
#2	251.0	521.9	512.6	109200.	862.9	29000.	1767.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	541.5	21690.	1985.	45.46	20120.	2056.	602.9
SDev	1.6	271.	64.	.41	176.	15.	2.2
%RSD	.2957	1.250	3.243	.8993	.8751	.7372	.3680
#1	542.6	21500.	2031.	45.75	20250.	2067.	604.4
#2	540.4	21880.	1940.	45.18	20000.	2045.	601.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	1226.	517.0	156.3	52.13
SDev	9.	8.0	4.6	20.69
%RSD	.7536	1.550	2.955	39.69

306540

#1	1233.	522.7	153.0	37.50
#2	1220.	511.4	159.5	66.76
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182789-2X Operator:
Run Time: 02/14/00 20:25:10
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	37850.	6.949	134.0	526.3	2.167	-1.722	39090.
SDev	198.	11.55	21.6	2.1	.024	1.090	144.
%RSD	.5236	166.3	16.11	.3897	1.087	63.32	.3677
#1	37990.	-1.222	118.8	527.8	2.150	-2.493	39190.
#2	37710.	15.12	149.3	524.9	2.184	-.9511	38990.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	120.5	81.58	302.2	124900.	581.0	24520.	1179.
SDev	1.2	1.68	2.5	634.	23.3	186.	5.
%RSD	.9763	2.056	.8144	.5072	4.017	.7574	.4531
#1	119.7	80.40	304.0	125400.	564.5	24650.	1183.
#2	121.4	82.77	300.5	124500.	597.5	24380.	1175.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	93.08	7210.	79.56	-2.975	2070.	69.22	227.2
SDev	1.94	124.	10.92	1.199	.	29.61	.5
%RSD	2.086	1.719	13.72	40.31	.0177	42.78	.2305
#1	91.71	7122.	87.28	-2.127	2069.	90.16	226.8
#2	94.45	7297.	71.84	-3.823	2070.	48.28	227.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	670.9	21.70	-.1657	68.31
SDev	.3	.80	1.8115	11.37
%RSD	.0396	3.690	1093.	16.65

306541

#1	670.7	22.27	-1.447	76.35
#2	671.1	21.14	1.115	60.27
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182791-2X Operator:
Run Time: 02/14/00 20:29:44
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	29970.	-13.12	72.87	191.1	1.547	-3.613	21520.
SDev	103.	17.90	69.52	1.0	.050	1.195	49.
%RSD	.3438	136.4	95.41	.5368	3.216	33.07	.2297
#1	30040.	-.4694	23.71	191.8	1.582	-2.768	21560.
#2	29890.	-25.78	122.0	190.4	1.512	-4.457	21490.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	112.0	74.53	227.3	141900.	53.97	20850.	1102.
SDev	2.8	.54	1.7	538.	.02	186.	5.
%RSD	2.472	.7222	.7675	.3789	.0359	.8905	.4147
#1	114.0	74.15	226.0	142300.	53.96	20980.	1105.
#2	110.0	74.91	228.5	141500.	53.98	20720.	1099.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	99.35	7562.	28.22	-2.634	1176.	88.08	225.2
SDev	2.21	304.	30.88	.406	26.	42.85	.3
%RSD	2.220	4.019	109.4	15.43	2.252	48.65	.1259
#1	100.9	7347.	50.06	-2.921	1157.	118.4	225.4
#2	97.79	7777.	6.387	-2.346	1195.	57.78	225.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	133.2	16.14	4.623	54.32
SDev	.8	3.87	3.703	35.02
%RSD	.6095	23.98	80.08	64.47

306542

#1	133.8	18.88	2.005	79.08
#2	132.6	13.41	7.241	29.56
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182793-2X Operator:
Run Time: 02/14/00 20:34:18
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	23040.	21.96	118.7	156.0	1.351	-3.499	15400.
SDev	76.	24.32	65.6	.2	.070	.054	5.
%RSD	.3305	110.7	55.25	.1096	5.206	1.536	.0335
#1	23100.	4.765	72.33	156.1	1.302	-3.461	15400.
#2	22990.	39.15	165.1	155.8	1.401	-3.537	15390.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	97.39	113.1	551.7	152000.	42.29	16730.	722.9
SDev	.31	.1	2.1	186.	25.17	75.	1.5
%RSD	.3215	.0569	.3868	.1226	59.51	.4507	.2115
#1	97.17	113.0	553.2	152200.	24.50	16780.	724.0
#2	97.61	113.1	550.2	151900.	60.09	16680.	721.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	139.4	6955.	7.879	-.9865	824.4	85.03	235.4
SDev	8.2	456.	25.88	.3873	11.6	.84	1.7
%RSD	5.856	6.555	328.5	39.26	1.404	.9903	.7124
#1	133.6	6633.	26.18	-.7127	816.2	84.43	234.2
#2	145.1	7278.	-10.42	-1.260	832.6	85.63	236.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	92.98	16.36	9.754	68.03
SDev	.99	.40	.921	2.90
%RSD	1.062	2.424	9.444	4.258

306543

#1	92.28	16.64	9.103	65.99
#2	93.68	16.08	10.41	70.08
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182808 Operator:
Run Time: 02/14/00 20:38:52
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-7.252	-9.828	-2.240	.3112	-.0337	-2.395	27.02
SDev	24.074	.418	48.035	.3421	.0264	1.564	2.22
%RSD	331.9	4.253	2145.	109.9	78.34	65.29	8.198
#1	-24.28	-9.532	31.73	.0693	-.0150	-3.501	28.59
#2	9.770	-10.12	-36.21	.5531	-.0523	-1.289	25.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	1.576	-3.482	-3.021	.4150	-23.32	-26.60	-.3854
SDev	.734	2.413	1.160	4.004	.73	8.55	.0872
%RSD	46.56	69.29	38.38	964.8	3.109	32.13	22.63
#1	1.057	-5.188	-2.201	3.246	-23.83	-32.64	-.4471
#2	2.095	-1.776	-3.841	-2.416	-22.81	-20.55	-.3237
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-2.322	-812.9	10.40	-.5278	-28.38	-18.88	-3.139
SDev	3.277	280.5	29.74	2.0185	1.87	6.02	.315
%RSD	141.1	34.51	286.0	382.4	6.594	31.89	10.04
#1	-4.639	-1011.	31.43	-1.955	-29.70	-23.14	-3.362
#2	-.0050	-614.5	-10.63	.8995	-27.05	-14.62	-2.916
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	.1380	-.6819	3.035	-9.059
SDev	1.228	.1694	2.820	27.131
%RSD	889.7	24.85	92.92	299.5

306544

#1	1.007	-.5621	5.030	10.13
#2	-.7305	-.8017	1.041	-28.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182810-2X Operator:
Run Time: 02/14/00 20:43:26
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	25680.	10.33	125.7	232.8	1.608	-3.609	21890.
SDev	221.	.79	64.3	2.3	.020	1.138	148.
%RSD	.8595	7.658	51.20	.9915	1.271	31.53	.6752
#1	25520.	10.89	80.17	231.1	1.594	-2.805	21780.
#2	25840.	9.770	171.2	234.4	1.623	-4.414	21990.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	120.2	65.67	223.5	147200.	168.2	17970.	911.3
SDev	.8	.41	2.5	918.	.0	84.	7.1
%RSD	.6253	.6168	1.129	.6238	.0143	.4671	.7814
#1	119.7	65.96	221.7	146600.	168.2	17910.	906.3
#2	120.8	65.38	225.2	147900.	168.2	18030.	916.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	107.6	7058.	83.15	-3.118	1035.	104.8	244.2
SDev	1.2	278.	8.64	.811	26.	41.9	1.4
%RSD	1.118	3.942	10.40	26.02	2.545	40.00	.5932
#1	106.7	6861.	89.26	-3.692	1017.	75.17	243.2
#2	108.4	7254.	77.04	-2.544	1054.	134.5	245.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	271.5	17.75	12.46	55.76
SDev	3.3	2.33	2.92	3.47
%RSD	1.205	13.10	23.45	6.223

306545

#1	269.2	19.40	10.39	58.22
#2	273.8	16.11	14.52	53.31
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 18~~2~~3154-2X Operator:
Run Time: 02/14/00 20:48:00
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	41440.	15.75	88.00	337.1	3.122	-1.209	5709.
SDev	54.	10.39	57.53	.3	.001	.558	7.
%RSD	.1310	65.95	65.38	.0761	.0222	46.14	.1163
#1	41400.	23.10	128.7	337.0	3.123	-1.604	5704.
#2	41480.	8.406	47.32	337.3	3.122	-.8149	5714.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	84.50	44.01	53.54	110000.	42.34	22550.	2431.
SDev	2.33	1.27	.00	13.	22.17	11.	3.
%RSD	2.760	2.887	.0024	.0119	52.36	.0471	.1112
#1	82.85	44.91	53.54	110000.	26.66	22550.	2429.
#2	86.15	43.11	53.54	110000.	58.02	22560.	2433.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	110.5	6484.	72.42	-5.841	631.6	102.1	107.9
SDev	11.8	140.	2.15	3.023	18.6	58.9	.2
%RSD	10.66	2.163	2.972	51.75	2.948	57.62	.1918
#1	118.8	6583.	70.89	-7.979	644.8	60.52	107.7
#2	102.1	6385.	73.94	-3.704	618.5	143.7	108.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	254.6	37.88	6.722	40.54
SDev	.6	1.64	.472	18.01
%RSD	.2411	4.324	7.019	44.42

306546

#1	254.2	39.03	7.055	53.28
#2	255.0	36.72	6.388	27.81
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: CCV3 Operator:
Run Time: 02/14/00 20:52:34
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	101400.	4984.	5112.	20060.	501.4	2546.	153000.
SDev	439.	15.	8.	83.	2.0	7.	382.
%RSD	.4327	.2956	.1545	.4114	.4028	.2894	.2495
#1	101700.	4973.	5106.	20120.	502.8	2551.	153200.
#2	101100.	4994.	5117.	20000.	500.0	2541.	152700.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	110400.	5522.	5520.	22090.	552.2	2761.	165700.
Low	89560.	4478.	4478.	17910.	447.8	2239.	134300.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5066.	5052.	25320.	101300.	9890.	153600.	5074.
SDev	14.	15.	95.	343.	58.	709.	16.
%RSD	.2703	.3050	.3770	.3391	.5864	.4617	.3215
#1	5076.	5063.	25390.	101500.	9931.	154100.	5086.
#2	5056.	5041.	25250.	101000.	9849.	153100.	5062.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	5522.	27610.	110400.	11040.	165700.	5522.
Low	4478.	4478.	22390.	89560.	8956.	134300.	4478.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5062.	51410.	5164.	2509.	101600.	5128.	5080.
SDev	9.	192.	40.	6.	484.	19.	17.
%RSD	.1875	.3729	.7748	.2221	.4760	.3687	.3346
#1	5069.	51270.	5192.	2513.	102000.	5115.	5092.
#2	5055.	51540.	5135.	2505.	101300.	5142.	5068.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	55200.	5522.	2761.	110400.	5522.	5522.
Low	4478.	44780.	4478.	2239.	89560.	4478.	4478.

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	25260.	5067.	4824.	5103.
SDev	88.	15.	21.	39.
%RSD	.3476	.2907	.4386	.7569

306547

#1	25320.	5077.	4839.	5131.
#2	25190.	5056.	4809.	5076.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	27610.	5522.	5522.	5522.
Low	22390.	4478.	4478.	4478.

Method: SW846 Sample Name: CCB3 Operator:
Run Time: 02/14/00 20:57:09
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	8.332	17.22	2.042	1.037	-.0577	-1.059	-6.252
SDev	32.28	2.00	12.12	.684	.0083	.576	2.764
%RSD	387.4	11.63	593.7	65.96	14.39	54.42	44.22
#1	31.16	18.64	10.61	1.521	-.0635	-.6514	-4.297
#2	-14.49	15.81	-6.530	.5534	-.0518	-1.466	-8.206
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	59.90	100.0	50.00	4.900	4.900	500.0
Low	-199.0	-59.90	-100.0	-50.00	-4.900	-4.900	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.7873	-1.776	-1.373	-1.652	-9.214	.1677	.2716
SDev	2.809	1.477	1.158	3.207	5.932	16.48	.5097
%RSD	356.8	83.16	84.34	194.1	64.38	9824.	187.7
#1	2.774	-2.820	-.5542	.6156	-5.019	11.82	.6320
#2	-1.199	-.7317	-2.192	-3.920	-13.41	-11.48	-.0888
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	24.90	24.90	99.90	49.90	200.0	4.900
Low	-9.900	-24.90	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.0052	-358.3	30.66	-.5132	-132.0	13.12	-1.305
SDev	.0001	315.6	52.03	1.6341	37.1	28.77	2.446
%RSD	2.855	88.10	169.7	318.4	28.08	219.2	187.4
#1	-.0053	-135.1	67.45	.6423	-105.8	33.46	.4243
#2	-.0051	-581.4	-6.129	-1.669	-158.3	-7.220	-3.035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39.90	2500.	99.90	9.900	1000.	100.0	49.90
Low	-39.90	-2500.	-99.90	-9.900	-1000.	-100.0	-49.90

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	1.918	-.1532	-.9554	-2.349
SDev	.707	.5932	10.345	6.975
%RSD	36.89	387.2	1083.	296.9

306548

#1	1.417	-.5727	6.360	-7.281
#2	2.418	.2662	-8.271	2.583
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	19.90	99.90	25.00	50.00
Low	-19.90	-99.90	-25.00	-50.00

Method: SW846 Sample Name: 18~~2~~3155-2X Operator:
Run Time: 02/14/00 21:01:43
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	55550.	-6.195	130.6	496.1	3.710	-2.735	7614.
SDev	148.	7.128	37.2	1.2	.003	.561	22.
%RSD	.2665	115.1	28.50	.2413	.0690	20.53	.2931
#1	55440.	-1.155	156.9	495.3	3.712	-3.132	7598.
#2	55650.	-11.24	104.2	497.0	3.709	-2.338	7629.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	80.49	47.10	74.75	115300.	58.00	21890.	3416.
SDev	3.20	.87	2.25	374.	11.12	79.	11.
%RSD	3.975	1.849	3.007	.3244	19.17	.3610	.3164
#1	82.75	47.71	76.34	115000.	65.87	21830.	3409.
#2	78.23	46.48	73.16	115600.	50.14	21940.	3424.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	103.2	6881.	43.96	-5.314	667.4	86.74	114.4
SDev	4.5	276.	16.73	2.025	34.8	49.70	.4
%RSD	4.342	4.009	38.05	38.10	5.208	57.29	.3112
#1	106.4	7076.	32.13	-3.882	691.9	51.60	114.1
#2	100.1	6686.	55.79	-6.746	642.8	121.9	114.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	249.2	44.70	7.303	47.45
SDev	2.0	4.77	3.331	2.36
%RSD	.8227	10.66	45.61	4.964

306549

#1	247.7	41.33	4.948	45.79
#2	250.6	48.07	9.658	49.12
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 187156-2X Operator:
Run Time: 02/14/00 21:06:17
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	54350.	-.3073	129.7	269.9	3.197	-3.065	6228.
SDev	287.	15.543	1.2	2.0	.023	.839	23.
%RSD	.5277	5059.	.9328	.7287	.7193	27.39	.3730
#1	54550.	-11.30	130.6	271.3	3.213	-2.471	6245.
#2	54140.	10.68	128.8	268.5	3.181	-3.658	6212.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	82.92	47.34	65.19	117500.	50.55	23200.	2522.
SDev	1.45	.27	1.74	501.	15.25	85.	11.
%RSD	1.743	.5619	2.667	.4262	30.16	.3659	.4228
#1	81.90	47.53	66.42	117800.	39.77	23260.	2529.
#2	83.94	47.15	63.96	117100.	61.33	23140.	2514.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	110.2	6502.	47.09	-7.347	656.9	13.89	90.90
SDev	2.8	194.	8.48	2.022	43.3	41.55	.71
%RSD	2.549	2.984	18.01	27.52	6.599	299.1	.7765
#1	112.1	6640.	41.09	-8.777	687.5	-15.49	91.39
#2	108.2	6365.	53.09	-5.917	626.2	43.28	90.40
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	246.5	43.39	5.217	36.86
SDev	3.0	3.15	3.708	7.79
%RSD	1.230	7.262	71.06	21.12

306550

#1	248.6	45.62	2.596	42.37
#2	244.3	41.16	7.839	31.35
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182157-2X Operator:
Run Time: 02/14/00 21:10:52
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	41710.	-.3501	61.71	465.5	3.989	-2.782	6304.
SDev	259.	19.531	5.47	3.9	.025	.447	40.
%RSD	.6214	5579.	8.861	.8450	.6281	16.06	.6314
#1	41890.	13.46	65.58	468.3	4.007	-3.097	6332.
#2	41530.	-14.16	57.84	462.7	3.971	-2.466	6276.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	89.25	73.85	82.45	119500.	49.39	20720.	5928.
SDev	.74	2.89	.05	866.	13.99	198.	39.
%RSD	.8336	3.912	.0589	.7248	28.33	.9571	.6532
#1	88.72	71.81	82.41	120100.	59.28	20860.	5956.
#2	89.77	75.90	82.48	118900.	39.50	20580.	5901.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	129.5	5944.	65.77	-7.380	639.2	65.10	111.4
SDev	7.8	115.	66.08	1.660	9.7	21.77	.3
%RSD	6.040	1.927	100.5	22.49	1.515	33.44	.2896
#1	135.1	5863.	19.04	-8.554	632.4	80.49	111.2
#2	124.0	6025.	112.5	-6.207	646.1	49.70	111.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	286.1	36.83	3.102	43.69
SDev	1.5	3.17	2.255	11.79
%RSD	.5312	8.598	72.70	26.99

306551

#1	287.2	39.07	1.507	35.35
#2	285.0	34.59	4.696	52.03
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182158-2X Operator:
Run Time: 02/14/00 21:15:27
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	46730.	-7.940	74.33	405.0	3.789	-2.485	7825.
SDev	325.	3.963	33.14	2.9	.051	.627	41.
%RSD	.6963	49.90	44.58	.7178	1.356	25.25	.5302
#1	46960.	-10.74	50.90	407.1	3.753	-2.042	7855.
#2	46500.	-5.138	97.77	403.0	3.826	-2.929	7796.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	87.81	47.88	87.50	122500.	53.84	24830.	3057.
SDev	.72	2.15	.27	908.	7.09	160.	20.
%RSD	.8229	4.487	.3127	.7410	13.16	.6442	.6413
#1	87.30	46.36	87.31	123200.	48.83	24940.	3071.
#2	88.33	49.40	87.70	121900.	58.85	24720.	3043.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	120.0	6453.	54.22	-7.649	686.1	81.44	112.2
SDev	.3	68.	36.27	4.250	4.0	27.46	.6
%RSD	.2218	1.051	66.89	55.56	.5846	33.72	.5607
#1	120.2	6405.	28.58	L-10.65	689.0	62.02	112.7
#2	119.8	6501.	79.87	-4.644	683.3	100.9	111.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	291.0	48.84	3.427	30.50
SDev	.7	8.94	4.332	8.86
%RSD	.2327	18.30	126.4	29.05

306552

#1	290.5	55.16	6.490	24.24
#2	291.5	42.52	.3637	36.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 18[3]159-2X Operator:
Run Time: 02/14/00 21:20:02
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	37020.	.2333	95.90	212.6	7.317	-3.298	8918.
SDev	272.	5.235	54.03	1.5	.069	.655	63.
%RSD	.7360	2244.	56.34	.7238	.9425	19.85	.7013
#1	36820.	-3.468	134.1	211.5	7.269	-3.761	8874.
#2	37210.	3.935	57.69	213.7	7.366	-2.835	8962.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	105.4	40.74	510.7	133300.	65.41	20820.	792.9
SDev	.5	1.34	4.2	924.	4.05	88.	5.9
%RSD	.5201	3.287	.8129	.6933	6.192	.4237	.7397
#1	105.7	39.79	507.8	132700.	62.55	20760.	788.7
#2	105.0	41.69	513.7	134000.	68.27	20880.	797.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	138.7	6003.	21.10	-2.416	545.2	82.44	90.63
SDev	.4	21.	5.17	.189	29.1	20.72	2.06
%RSD	.2900	.3505	24.49	7.826	5.329	25.13	2.275
#1	138.9	5988.	17.45	-2.283	524.7	97.09	89.17
#2	138.4	6018.	24.76	-2.550	565.8	67.79	92.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	478.8	30.84	7.855	52.54
SDev	2.2	1.39	11.86	12.39
%RSD	.4594	4.508	150.9	23.59

306553

#1	477.2	31.82	-.5280	43.77
#2	480.3	29.85	16.24	61.30
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 18~~2~~3160-2X Operator:
Run Time: 02/14/00 21:24:36
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	26240.	17.37	53.65	193.9	5.571	-2.568	13310.
SDev	10.	4.77	70.27	.3	.023	.827	4.
%RSD	.0389	27.44	131.0	.1323	.4129	32.22	.0333
#1	26250.	20.74	3.963	194.1	5.555	-1.983	13320.
#2	26240.	14.00	103.3	193.7	5.587	-3.153	13310.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	104.4	21.53	530.4	112500.	78.06	12220.	444.7
SDev	.9	2.41	1.0	109.	12.21	22.	.5
%RSD	.8308	11.22	.1794	.0971	15.64	.1817	.1143
#1	105.1	19.82	531.1	112600.	69.43	12230.	445.0
#2	103.8	23.23	529.7	112400.	86.70	12200.	444.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	83.97	3682.	26.71	-4.433	489.4	112.3	77.52
SDev	2.54	91.	63.94	.205	13.9	17.6	.30
%RSD	3.026	2.476	239.4	4.622	2.835	15.70	.3862
#1	85.76	3618.	71.92	-4.578	479.6	124.8	77.31
#2	82.17	3747.	-18.50	-4.288	499.2	99.81	77.73
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	402.1	21.05	5.922	55.54
SDev	2.0	3.83	1.867	6.90
%RSD	.5024	18.21	31.53	12.43

306554

#1	400.7	23.76	4.602	50.66
#2	403.6	18.34	7.243	60.42
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 18~~2~~3161-2X Operator:
Run Time: 02/14/00 21:29:11
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	16820.	2.404	25.49	156.9	4.069	-2.113	13550.
SDev	60.	16.35	70.33	.8	.105	.365	45.
%RSD	.3592	680.3	275.9	.4904	2.577	17.27	.3309
#1	16780.	13.97	75.22	156.3	3.995	-2.371	13520.
#2	16860.	-9.159	-24.24	157.4	4.143	-1.855	13580.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	47.84	12.14	567.7	36920.	19.01	9537.	204.6
SDev	1.18	1.68	1.4	132.	15.14	28.	.2
%RSD	2.473	13.81	.2516	.3567	79.63	.2956	.0871
#1	48.67	10.96	566.7	36820.	8.304	9517.	204.5
#2	47.00	13.33	568.7	37010.	29.71	9557.	204.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	57.70	3009.	-31.98	-.1733	510.5	25.45	28.65
SDev	2.41	196.	16.71	.0083	5.8	7.66	.91
%RSD	4.173	6.526	52.24	4.805	1.133	30.10	3.189
#1	59.40	3148.	-20.16	-.1675	514.6	20.03	29.29
#2	56.00	2870.	-43.79	-.1792	506.4	30.87	28.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	349.9	8.742	6.275	17.16
SDev	.4	2.973	5.629	2.91
%RSD	.1043	34.01	89.71	16.97

306555

#1	349.6	10.84	10.25	19.22
#2	350.2	6.640	2.294	15.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 182162-2X Operator:
Run Time: 02/14/00 21:33:45
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	18870.	2.400	5.919	169.0	4.524	-2.017	15500.
SDev	210.	17.52	1.906	2.1	.025	.017	163.
%RSD	1.115	730.2	32.21	1.265	.5591	.8461	1.053
#1	19010.	-9.992	4.571	170.5	4.542	-2.005	15620.
#2	18720.	14.79	7.267	167.4	4.506	-2.029	15390.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	76.45	18.15	571.6	70890.	26.77	10730.	323.1
SDev	.72	.94	9.3	885.	.39	178.	4.5
%RSD	.9418	5.183	1.620	1.248	1.455	1.655	1.395
#1	76.96	17.48	578.1	71520.	26.50	10860.	326.3
#2	75.94	18.81	565.0	70270.	27.05	10610.	319.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	65.35	3548.	4.925	-2.047	559.5	16.81	58.53
SDev	1.61	430.	12.52	2.829	24.2	6.61	.24
%RSD	2.459	12.12	254.2	138.2	4.322	39.34	.4142
#1	64.21	3244.	13.78	-4.047	542.4	21.48	58.36
#2	66.48	3852.	-3.926	-.0464	576.6	12.13	58.70
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	376.0	13.18	3.017	21.00
SDev	4.6	1.24	4.327	6.41
%RSD	1.228	9.392	143.4	30.53

306556

#1	379.3	14.05	6.076	25.53
#2	372.8	12.30	-.0429	16.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 187163-2X Operator:
Run Time: 02/14/00 21:38:20
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	20040.	11.44	9.145	241.0	4.174	-1.792	14470.
SDev	117.	12.34	19.56	1.1	.052	.851	57.
%RSD	.5822	107.9	213.9	.4610	1.246	47.46	.3940
#1	20120.	20.17	-4.688	241.8	4.210	-1.191	14510.
#2	19960.	2.713	22.98	240.3	4.137	-2.394	14430.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	102.6	18.88	440.4	103100.	68.50	10750.	324.9
SDev	3.3	1.27	3.1	449.	19.24	47.	.7
%RSD	3.253	6.735	.7087	.4358	28.08	.4337	.2143
#1	105.0	19.78	442.6	103400.	54.90	10780.	325.4
#2	100.3	17.98	438.2	102800.	82.10	10720.	324.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	78.40	3550.	65.02	-.9359	500.7	23.32	72.05
SDev	1.74	12.	22.39	1.4181	24.7	13.10	.41
%RSD	2.217	.3293	34.44	151.5	4.927	56.18	.5714
#1	79.63	3558.	49.18	-1.939	518.2	32.59	71.76
#2	77.17	3542.	80.85	.0668	483.3	14.06	72.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	357.6	17.64	8.563	30.57
SDev	.5	1.27	5.223	9.09
%RSD	.1398	7.190	60.99	29.74

306557

#1	357.3	16.75	12.26	24.14
#2	358.0	18.54	4.870	37.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 18~~2~~3164-2X Operator:
Run Time: 02/14/00 21:42:56
Comment: E1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	16600.	-5.879	32.53	161.6	3.911	-1.158	15750.
SDev	114.	1.607	14.85	.9	.006	.676	64.
%RSD	.6854	27.33	45.64	.5819	.1409	58.37	.4077
#1	16520.	-7.016	22.03	160.9	3.907	-.6802	15700.
#2	16680.	-4.743	43.03	162.2	3.915	-1.636	15790.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	55.84	13.18	502.6	45680.	4.859	10050.	186.3
SDev	.18	1.95	.3	267.	5.524	55.	1.0
%RSD	.3174	14.76	.0570	.5841	113.7	.5440	.5527
#1	55.97	14.55	502.4	45490.	.9533	10020.	185.6
#2	55.72	11.80	502.8	45870.	8.765	10090.	187.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	62.33	3409.	13.87	.5980	517.1	10.62	33.22
SDev	.00	187.	31.28	.5900	2.7	21.49	1.65
%RSD	.0008	5.486	225.5	98.67	.5263	202.5	4.962
#1	62.33	3542.	35.98	.1808	515.2	-4.582	34.38
#2	62.33	3277.	-8.248	1.015	519.0	25.81	32.05
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	344.8	2.857	.2596	13.36
SDev	1.6	1.095	2.380	7.09
%RSD	.4587	38.34	916.8	53.03

306558

#1	343.7	2.083	-1.423	18.37
#2	346.0	3.632	1.942	8.350
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: CCV34 Operator:
Run Time: 02/14/00 21:47:30
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	101300.	4990.	5013.	19980.	499.9	2535.	152300.
SDev	22.	16.	40.	.	.0	2.	98.
%RSD	.0214	.3186	.7957	.0004	.0032	.0712	.0641
#1	101300.	5001.	4985.	19980.	500.0	2534.	152200.
#2	101300.	4978.	5042.	19980.	499.9	2536.	152400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	110400.	5522.	5520.	22090.	552.2	2761.	165700.
Low	89560.	4478.	4478.	17910.	447.8	2239.	134300.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5063.	5028.	25350.	101200.	9809.	153100.	5059.
SDev	3.	5.	17.	55.	30.	734.	2.
%RSD	.0498	.0973	.0661	.0541	.3055	.4794	.0363
#1	5065.	5032.	25360.	101100.	9788.	153600.	5060.
#2	5062.	5025.	25340.	101200.	9830.	152600.	5057.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	5522.	27610.	110400.	11040.	165700.	5522.
Low	4478.	4478.	22390.	89560.	8956.	134300.	4478.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5042.	51130.	5019.	2496.	101300.	5016.	5058.
SDev	7.	963.	27.	3.	130.	111.	3.
%RSD	.1391	1.884	.5312	.1058	.1283	2.216	.0550
#1	5047.	50450.	5000.	2498.	101400.	5094.	5060.
#2	5037.	51810.	5038.	2494.	101200.	4937.	5056.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	55200.	5522.	2761.	110400.	5522.	5522.
Low	4478.	44780.	4478.	2239.	89560.	4478.	4478.

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	25130.	5059.	4817.	5062.
SDev	6.	12.	7.	30.
%RSD	.0227	.2469	.1368	.5940

306559

#1	25130.	5068.	4812.	5041.
#2	25130.	5050.	4821.	5083.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	27610.	5522.	5522.	5522.
Low	22390.	4478.	4478.	4478.

Method: SW846 Sample Name: CCB4 Operator:
Run Time: 02/14/00 21:52:05
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	6.012	16.96	-.8218	.6743	-.0896	-1.637	-5.728
SDev	2.473	27.90	27.049	.1710	.0481	.213	2.767
%RSD	41.14	164.5	3291.	25.36	53.66	13.04	48.31
#1	7.761	-2.768	-19.95	.7952	-.0556	-1.487	-3.772
#2	4.263	36.68	18.30	.5534	-.1236	-1.788	-7.685
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	59.90	100.0	50.00	4.900	4.900	500.0
Low	-199.0	-59.90	-100.0	-50.00	-4.900	-4.900	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.2637	-3.481	-2.035	-4.678	-18.62	-18.78	-.0262
SDev	.4505	1.876	.700	1.603	22.92	7.53	.0848
%RSD	170.9	53.90	34.40	34.25	123.1	40.10	323.3
#1	.0549	-2.155	-1.540	-3.545	-34.83	-24.10	.0337
#2	-.5823	-4.808	-2.529	-5.812	-2.415	-13.45	-.0862
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	24.90	24.90	99.90	49.90	200.0	4.900
Low	-9.900	-24.90	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-3.173	-674.0	28.40	.0476	-102.3	49.48	-2.475
SDev	2.073	140.3	10.62	.0066	.4	24.17	.764
%RSD	65.33	20.81	37.37	13.91	.4049	48.85	30.89
#1	-1.707	-773.2	20.90	.0523	-102.0	32.39	-1.935
#2	-4.640	-574.8	35.91	.0429	-102.6	66.57	-3.016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39.90	2500.	99.90	9.900	1000.	100.0	49.90
Low	-39.90	-2500.	-99.90	-9.900	-1000.	-100.0	-49.90

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	1.058	-1.129	.7065	-6.340
SDev	.356	.149	2.352	2.351
%RSD	33.63	13.22	332.9	37.09

306560

#1	1.310	-1.235	2.369	-4.677
#2	.8065	-1.024	-.9563	-8.002
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	19.90	99.90	25.00	50.00
Low	-19.90	-99.90	-25.00	-50.00

Method: SW846 Sample Name: 18~~2~~3165-2X Operator:
Run Time: 02/14/00 21:56:39
Comment: E1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	25940.	-8.489	81.88	199.3	5.733	-2.615	11840.
SDev	128.	11.570	9.31	1.1	.031	.215	51.
%RSD	.4918	136.3	11.37	.5575	.5339	8.219	.4270
#1	25850.	-.3079	88.46	198.6	5.711	-2.767	11800.
#2	26030.	-16.67	75.30	200.1	5.755	-2.463	11880.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	126.8	27.30	541.2	155800.	68.03	13400.	504.0
SDev	1.0	3.22	2.7	708.	14.07	74.	2.6
%RSD	.7795	11.80	.5003	.4544	20.68	.5541	.5237
#1	126.1	29.58	539.3	155300.	77.98	13350.	502.1
#2	127.5	25.02	543.2	156300.	58.08	13450.	505.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	92.80	4590.	82.16	-2.613	558.4	41.27	115.2
SDev	5.82	112.	54.61	1.226	18.5	28.53	1.6
%RSD	6.269	2.445	66.47	46.92	3.306	69.14	1.363
#1	88.69	4669.	43.54	-1.746	545.3	21.09	116.3
#2	96.91	4510.	120.8	-3.480	571.4	61.45	114.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	426.6	23.45	7.349	54.02
SDev	2.8	2.18	.862	17.05
%RSD	.6564	9.297	11.74	31.57

306561

#1	424.6	24.99	7.959	66.08
#2	428.6	21.91	6.740	41.97
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 187213-2X Operator:
Run Time: 02/14/00 22:01:14
Comment: E1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	39630.	-7.769	22.94	63.25	.5346	-2.406	888.6
SDev	22.	8.762	25.68	.26	.0021	.421	2.6
%RSD	.0561	112.8	112.0	.4056	.3856	17.49	.2906
#1	39650.	-1.573	4.777	63.44	.5332	-2.108	890.4
#2	39620.	-13.96	41.10	63.07	.5361	-2.703	886.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	59.17	2.470	22.60	32530.	73.80	1114.	84.69
SDev	.30	1.544	.48	68.	8.51	4.	.00
%RSD	.5115	62.52	2.116	.2086	11.54	.3596	.0047
#1	59.38	1.378	22.94	32580.	67.78	1117.	84.69
#2	58.95	3.561	22.26	32480.	79.82	1111.	84.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	15.12	233.6	-4.609	-.3195	128.8	-1.896	57.05
SDev	4.82	226.8	11.825	.8117	3.3	93.193	.62
%RSD	31.85	97.09	256.6	254.0	2.577	4916.	1.082
#1	18.52	73.22	3.753	.2544	131.1	-67.79	57.48
#2	11.71	393.9	-12.97	-.8935	126.4	64.00	56.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	140.9	6.821	2.555	2.098
SDev	.0	.409	.932	34.17
%RSD	.0070	5.990	36.47	1629.

306562

#1	140.9	6.532	1.896	26.26
#2	140.9	7.109	3.214	-22.07
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: 18~~1~~3214-2X Operator:
Run Time: 02/14/00 22:05:49
Comment: E1
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	43190.	8.855	37.79	62.47	.5715	-1.285	781.0
SDev	287.	35.50	9.75	.68	.0148	.630	4.1
%RSD	.6636	400.9	25.79	1.095	2.584	49.03	.5192
#1	42990.	33.96	44.68	61.99	.5819	-.8393	778.1
#2	43390.	-16.25	30.90	62.95	.5610	-1.730	783.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200000.	10000.	10000.	40000.	1000.	5000.	300000.
Low	-199.9	-59.90	-100.0	-50.00	-4.900	-4.900	-200.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	56.89	3.894	22.72	35340.	73.51	1146.	93.68
SDev	1.83	2.749	2.06	189.	.84	1.	.21
%RSD	3.224	70.59	9.050	.5336	1.139	.0792	.2245
#1	55.59	5.838	24.17	35210.	74.10	1145.	93.53
#2	58.19	1.950	21.26	35470.	72.92	1147.	93.82
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	10000.	50000.	200000.	20000.	300000.	10000.
Low	-9.900	-25.00	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	12.00	491.5	72.00	.8607	103.5	-40.06	62.08
SDev	2.54	638.2	5.72	.3765	58.1	55.95	3.15
%RSD	21.18	129.9	7.938	43.74	56.13	139.7	5.067
#1	13.79	942.8	67.96	.5945	144.6	-.4948	64.30
#2	10.20	40.15	76.04	1.127	62.44	-79.62	59.86
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	100000.	10000.	5000.	200000.	10000.	10000.
Low	-39.90	-2500.	-100.0	-9.900	-1000.	-100.0	-50.00

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	115.8	4.105	.8808	21.71
SDev	.9	1.577	1.861	2.45
%RSD	.7476	38.42	211.3	11.28

306563

#1	115.2	5.220	2.197	19.98
#2	116.4	2.990	-.4351	23.44
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	50000.	10000.	10000.	10000.
Low	-19.90	-100.0	-25.00	-50.00

Method: SW846 Sample Name: ICSA2 Operator:
Run Time: 02/14/00 22:10:24
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	491900.	-1.032	-115.5	-1.956	-.0624	-.6959	472400.
SDev	5100.	55.837	87.6	.219	.0902	.5487	4635.
%RSD	1.037	5410.	75.83	11.22	144.6	78.85	.9813
#1	488300.	-40.51	-53.57	-2.111	.0014	-1.084	469100.
#2	495500.	38.45	-177.4	-1.800	-.1261	-.3079	475600.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	200.0	500.0	10.00	10.00	600000.
Low	400000.	-120.0	-200.0	-500.0	-10.00	-10.00	400000.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-.4076	-3.622	-4.337	187400.	50.12	494900.	-.1787
SDev	1.7100	2.485	2.194	1713.	23.12	5311.	.7072
%RSD	419.5	68.61	50.58	.9143	46.13	1.073	395.9
#1	.8015	-1.865	-2.786	186100.	33.77	491200.	-.6788
#2	-1.617	-5.379	-5.888	188600.	66.47	498700.	.3214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20.00	20.00	50.00	240000.	100.0	600000.	9.900
Low	-20.00	-20.00	-50.00	160000.	-100.0	400000.	-9.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-4.176	-366.5	44.79	-2.510	245.7	H220.9	.0592
SDev	11.322	491.0	46.15	1.833	61.8	92.6	3.337
%RSD	271.1	134.0	103.0	73.04	25.15	41.93	5637.
#1	-12.18	-19.36	12.15	-1.214	289.4	H286.5	2.419
#2	3.830	-713.7	77.42	-3.806	202.0	155.4	-2.301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	80.00	5000.	200.0	10.00	2000.	200.0	100.0
Low	-80.00	-5000.	-200.0	-10.00	-2000.	-200.0	-100.0

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	3.819	-19.59	12.34	68.97
SDev	.556	3.68	3.95	15.21
%RSD	14.57	18.79	32.04	22.05

306564

#1	3.426	-22.20	9.541	79.72
#2	4.213	-16.99	15.13	58.21
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	40.00	100.0	50.00	100.0
Low	-40.00	-100.0	-50.00	-100.0

Method: SW846 Sample Name: ICSA82 Operator:
Run Time: 02/14/00 22:14:58
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	506400.	949.5	872.7	490.0	487.3	503.1	492600.
SDev	2002.	6.4	32.7	2.5	2.2	2.2	1985.
%RSD	.3954	.6715	3.744	.5029	.4440	.4428	.4030
#1	507800.	954.0	849.6	491.7	488.9	504.7	494000.
#2	505000.	945.0	895.8	488.2	485.8	501.5	491200.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	1200.	1200.	600.0	600.0	600.0	600000.
Low	400000.	800.0	800.0	400.0	400.0	400.0	400000.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	488.7	481.0	506.8	193300.	509.5	512000.	487.3
SDev	2.1	1.8	1.6	734.	38.0	2065.	2.5
%RSD	.4296	.3755	.3068	.3800	7.456	.4032	.5174
#1	490.2	482.3	507.9	193800.	482.6	513500.	489.1
#2	487.3	479.7	505.7	192800.	536.3	510600.	485.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	600.0	600.0	240000.	600.0	600000.	600.0
Low	400.0	400.0	400.0	160000.	400.0	400000.	400.0

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	474.2	10460.	1119.	484.2	11010.	1155.	492.8
SDev	3.7	208.	12.	3.9	59.	30.	4.4
%RSD	.7858	1.990	1.092	.7991	.5370	2.628	.8860
#1	476.9	10600.	1111.	486.9	11050.	1134.	495.9
#2	471.6	10310.	1128.	481.5	10970.	1177.	489.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	12000.	1200.	600.0	12000.	1200.	600.0
Low	400.0	8000.	800.0	400.0	8000.	800.0	400.0

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	510.6	482.2	510.6	964.9
SDev	4.4	1.4	4.3	16.7
%RSD	.8575	.2906	.8444	1.733

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#1	513.7	483.2	513.6	953.1
#2	507.5	481.2	507.5	976.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	600.0	600.0	600.0	1200.
Low	400.0	400.0	400.0	800.0

Method: SW846 Sample Name: CCV5 Operator:
Run Time: 02/14/00 22:19:32
Comment: 7265E2
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	100900.	5002.	5003.	19910.	495.3	2515.	151900.
SDev	606.	88.	170.	147.	2.9	15.	706.
%RSD	.6011	1.759	3.393	.7380	.5774	.5799	.4650
#1	100400.	4940.	4883.	19800.	493.3	2505.	151400.
#2	101300.	5065.	5123.	20010.	497.3	2525.	152400.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	110400.	5522.	5520.	22090.	552.2	2761.	165700.
Low	89560.	4478.	4478.	17910.	447.8	2239.	134300.

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	5041.	4984.	25350.	100600.	9735.	151500.	5032.
SDev	34.	31.	136.	572.	48.	1141.	26.
%RSD	.6837	.6267	.5384	.5683	.4971	.7532	.5104
#1	5017.	4962.	25250.	100200.	9701.	150700.	5014.
#2	5066.	5007.	25450.	101000.	9770.	152300.	5050.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	5522.	27610.	110400.	11040.	165700.	5522.
Low	4478.	4478.	22390.	89560.	8956.	134300.	4478.

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	4983.	51320.	5038.	2499.	101200.	5029.	5031.
SDev	19.	224.	29.	10.	464.	84.	23.
%RSD	.3810	.4374	.5717	.4183	.4589	1.662	.4610
#1	4969.	51480.	5018.	2492.	100800.	4970.	5015.
#2	4996.	51160.	5059.	2507.	101500.	5088.	5048.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5522.	55200.	5522.	2761.	110400.	5522.	5522.
Low	4478.	44780.	4478.	2239.	89560.	4478.	4478.

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	24970.	5031.	4777.	5018.
SDev	114.	27.	45.	50.
%RSD	.4546	.5273	.9452	.9884

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#1	24890.	5012.	4745.	5053.
#2	25050.	5050.	4809.	4983.
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	27610.	5522.	5522.	5522.
Low	22390.	4478.	4478.	4478.

Method: SW846 Sample Name: CCB5 Operator:
Run Time: 02/14/00 22:24:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	Cd2288	Ca3179
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-71.36	33.80	-29.41	.4326	-1.196	-2.064	-22.69
SDev	9.15	7.19	8.10	.3420	.002	1.127	3.51
%RSD	12.82	21.26	27.54	79.07	.1597	54.57	15.45
#1	-64.90	38.88	-23.68	.6744	-1.195	-1.268	-20.21
#2	-77.83	28.72	-35.13	.1907	-1.198	-2.861	-25.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	59.90	100.0	50.00	4.900	4.900	500.0
Low	-199.0	-59.90	-100.0	-50.00	-4.900	-4.900	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2790	Mn2576
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	2.085	-2.628	-9.269	-12.04	-9.471	-33.01	.0821
SDev	.302	1.072	1.162	2.40	24.037	10.18	.0854
%RSD	14.49	40.80	12.53	19.97	253.8	30.85	104.0
#1	1.872	-1.870	-10.09	-10.34	-26.47	-25.81	.1426
#2	2.299	-3.386	-8.447	-13.74	7.526	-40.21	.0217
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	24.90	24.90	99.90	49.90	200.0	4.900
Low	-9.900	-24.90	-24.90	-99.90	-49.90	-200.0	-4.900

Elem	Ni2316	K_7664	Se1960	Ag3280	Na5889	Tl1908	V_2924
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	-1.565	-1144.	-.8901	-8.517	L-1370.	15.24	-3.547
SDev	.334	108.	30.784	2.415	26.	90.62	.575
%RSD	21.35	9.405	3459.	28.35	1.919	594.5	16.21
#1	-1.329	-1220.	-22.66	-6.809	L-1389.	79.32	-3.953
#2	-1.802	-1067.	20.88	L-10.22	L-1352.	-48.84	-3.140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	39.90	2500.	99.90	9.900	1000.	100.0	49.90
Low	-39.90	-2500.	-99.90	-9.900	-1000.	-100.0	-49.90

Elem	Zn2138	B_2496	Mo2020	Sn1899
Units	ug/L	ug/L	ug/L	ug/L
Avge	-1.174	-3.963	-9.600	-17.51
SDev	.645	1.061	1.881	2.13
%RSD	54.99	26.78	19.59	12.17

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#1	-.7173	-4.713	-8.270	-19.02
#2	-1.630	-3.212	-10.93	-16.00

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	19.90	99.90	25.00	50.00
Low	-19.90	-99.90	-25.00	-50.00

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PROJECT TJA 6/E ICP Run Log

Notebook No. 01552

Continued From Page

Elements: Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn
Batch #: 9131E1
Date: 2-14-00

File : 9131E1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1-BLANK		3		1.0	02/14/00	18:38:00	
2	STD2		3		1.0	02/14/00	18:43:00	
3	STD3		3		1.0	02/14/00	18:47:00	
4	STD4		3		1.0	02/14/00	18:52:00	
5	HSA		0		1.0	02/14/00	18:58:00	
6	ICV/CCV1		0		1.0	02/14/00	19:02:00	
7	ICB/CCB1		0		1.0	02/14/00	19:07:00	
8	ICSA1		0		1.0	02/14/00	19:12:00	
9	ICSAB1		0		1.0	02/14/00	19:16:00	
10	MCL		0		1.0	02/14/00	19:21:00	
11	INT-20		0		1.0	02/14/00	19:25:00	
12	BSS021100		0		1.0	02/14/00	19:30:00	
13	PBS021100		0		1.0	02/14/00	19:34:00	
14	LCSS-242		0		2.0	02/14/00	19:39:00	
15	LCSS-242-D		0		2.0	02/14/00	19:44:00	
16	182787D		0		2.0	02/14/00	19:48:00	
17	182787		0		2.0	02/14/00	19:53:00	
18	CCV2		0		1.0	02/14/00	19:57:00	
19	CCB2		0		1.0	02/14/00	20:02:00	
20	182787L		0		2.0	02/14/00	20:06:00	
21	182787MS		0		2.0	02/14/00	20:11:00	
22	182787MSD		0		2.0	02/14/00	20:16:00	
23	182787A		0		2.0	02/14/00	20:20:00	
24	182789		0		2.0	02/14/00	20:25:00	
25	182791		0		2.0	02/14/00	20:29:00	
26	182793		0		2.0	02/14/00	20:34:00	
27	182808		0		1.0	02/14/00	20:38:00	
28	182810		0		2.0	02/14/00	20:43:00	
29	182154		0		2.0	02/14/00	20:48:00	
30	CCV3		0		1.0	02/14/00	20:52:00	
31	CCB3		0		1.0	02/14/00	20:57:00	
32	182155		0		2.0	02/14/00	21:01:00	
33	182156		0		2.0	02/14/00	21:06:00	
34	182157		0		2.0	02/14/00	21:10:00	
35	182158		0		2.0	02/14/00	21:15:00	
36	182159		0		2.0	02/14/00	21:20:00	
37	182160		0		2.0	02/14/00	21:24:00	
38	182161		0		2.0	02/14/00	21:29:00	
39	182162		0		2.0	02/14/00	21:33:00	
40	182163		0		2.0	02/14/00	21:38:00	
41	182164		0		2.0	02/14/00	21:42:00	
42	CCV4		0		1.0	02/14/00	21:47:00	
43	CCB4		0		1.0	02/14/00	21:52:00	
44	182165		0		2.0	02/14/00	21:56:00	
45	182213		0		2.0	02/14/00	22:01:00	
46	182214		0		2.0	02/14/00	22:05:00	
47	ICSA2		0		1.0	02/14/00	22:10:00	
48	ICSAB2		0		1.0	02/14/00	22:14:00	
49	CCV5		0		1.0	02/14/00	22:19:00	
50	CCB5		0		1.0	02/14/00	22:24:00	

Continued on Page

Read and Understood By 306569

2-17-00 2/18/00

Metals Preparation Logbook

Batch: 9131
Spike Sources/Lot #
MS/BS: each w/2ml icp pspk 1/4/00

LCS: # 242

Prep Date: 2/11/00
Reagent Sources/Lot #
HNO_3: 6623 N05A07
HCl: 5587 K7M2
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	X303	182787	1.00	100ml	
2		182789	1.00		
3		182791	1.02		
4		182793	1.01		
5		182808 (FB)	50ml	50ml	
6		182810	1.01	100ml	
7	X343	183154	1.00		
8		183155	1.05		
9		183156	1.02		
10		183157	1.00		
11		183158	1.03		
12		183159	1.01		
13		183160	1.00		
14		183161	1.01		
15		183162	1.03		
16		183163	1.02		
17		183164	1.00		
18		183165	1.00		
19	X349	183213	1.03		
20		183214	1.00		
MS	X303	182787	1.00	100ml	
MSD		182787			
D		182787			
BS		9131			
PBLK					
LCS S					
LCSSD					

Analyst(s): Izabella Apremova
Form ID:METPRLOG1

Reviewed by: [illegible]

306570