SDMS Document
98461

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 16
LABORATORY QA/QC DATA PACKAGE
8/16/00 - JOB #C924

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

MAY 2004

306961

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

SEVERN TRENT SERVICES

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel: 732-549-3900
Fax: 732-549-3679
www.stl-inc.com

RECEIVED
SEP 28 2000
The Whitman C

September 11, 2000

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

Attention: Mr. Michael Metlitz

Re: C924 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on August 17, 2000:

Lab No.	Client ID	Analysis Required
223537	SSAW-18	Purgeable Halocarbons – Method 8021
223538	SSAW-19	Purgeable Halocarbons – Method 8021
223539	SSAW-21	Purgeable Halocarbons – Method 8021
223540	SSAW-22	Purgeable Halocarbons – Method 8021
223541	SSAW-24	Purgeable Halocarbons – Method 8021
223542	SSAW-25	Purgeable Halocarbons – Method 8021
223543	SSAW-26	Purgeable Halocarbons – Method 8021
223544	SSFS-7A	Pb
223550	SSNDS-9A	Purgeable Halocarbons – Method 8021
223551	SSNDS-9B	Purgeable Halocarbons – Method 8021
223552	SSNDS-DUP816	Purgeable Halocarbons – Method 8021

306962

SEVERN TRENT SERVICES

Lab No.	Client ID	Analysis Required
223553	SSFS-DUP816	Pb
223554	SSNDS-10A	Purgeable Halocarbons – Method 8021
223555	SSNDS-10B	Purgeable Halocarbons – Method 8021
223556	SSNDS-10C	Purgeable Halocarbons – Method 8021
223559	SSFA-1R	Purgeable Halocarbons – Method 8021
223560	FB-081600	Purgeable Halocarbons – Method 8021 Pb
223561	Trip_Blank	Purgeable Halocarbons – Method 8021

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

306963

SEVERN TRENT SERVICES

TABLE OF CONTENTS

	Section	Page
Analytical Results Summary	1	1
General Information	2	
Chain of Custody		20
Laboratory Chronicles		23
Methodology Review		27
Data Reporting Qualifiers		30
Non-Conformance Summary		31
GC/PID Forms and Data	3	
Results Summary and Chromatograms		33
Method Blank Results Summary		65
Standards Summary		74
Surrogate Compound Recovery Summary		101
Spike Recovery Summary		103
Metals Forms and Data	4	
Analytical Results Summary		114
Blank Results Summary		117
Calibration Summary		119
ICP Interference Check Results Summary		121
Spike Sample Recovery Summary		122
Sample and MS Duplicate Results Summary		125
Laboratory Control Sample Results Summary		128
Serial Dilution Summary		129
Analysis Run Log		130
Raw Data		132

306964

SEVERN TRENT SERVICES

Client ID: SSAW-18
Site: Klockner & Klockner

Lab Sample No: 223537
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8345.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.9

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

306965

SEVERN TRENT SERVICES

Client ID: SSAW-19
Site: Klockner & Klockner

Lab Sample No: 223538
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8346.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.5

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	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

306966

SEVERN TRENT SERVICES

Client ID: SSAW-21
Site: Klockner & Klockner

Lab Sample No: 223539
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8347.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.5

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

306967

SEVERN TRENT SERVICES

Client ID: SSAW-22
Site: Klockner & Klockner

Lab Sample No: 223540
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8348.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.2

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	1200	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

306968

SEVERN TRENT SERVICES

Client ID: **SSAW-24**
Site: Klockner & Klockner

Lab Sample No: 223541
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8349.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.5

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	310	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

306969

SEVERN TRENT SERVICES

Client ID: SSAW-25
Site: Klockner & Klockner

Lab Sample No: 223542
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8350.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.6

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	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

306970

SEVERN TRENT SERVICES

Client ID: SSAW-26
Site: Klockner & Klockner

Lab Sample No: 223543
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8375.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.4

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

306971

SEVERN TRENT SERVICES

Client ID: SSFS-7A
Site: Klockner & Klockner

Lab Sample No: 223544
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	145	1.3		P

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

306972

SEVERN TRENT SERVICES

Client ID: SSNDS-9A
Site: Klockner & Klockner

Lab Sample No: 223550
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8376.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.8

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND J	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	190	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

306973

SEVERN TRENT SERVICES

Client ID: SSNDS-9B
Site: Klockner & Klockner

Lab Sample No: 223551
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8377.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.3

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

306974

SEVERN TRENT SERVICES

Client ID: SSNDS-DUP816
Site: Klockner & Klockner

Lab Sample No: 223552
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8378.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.9

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	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

306975

SEVERN TRENT SERVICES

Client ID: SSFS-DUP816
Site: Klockner & Klockner

Lab Sample No: 223553
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: SOLID
Level: LOW
% Moisture: 16.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	111	1.4		P

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

306976

SEVERN TRENT SERVICES

Client ID: SSNDS-10A
Site: Klockner & Klockner

Lab Sample No: 223554
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8380.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND J	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	220	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

306977

SEVERN TRENT SERVICES

Client ID: SSNDS-10B
Site: Klockner & Klockner

Lab Sample No: 223555
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8381.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.5

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

306978

SEVERN TRENT SERVICES

Client ID: SSNDS-10C
Site: Klockner & Klockner

Lab Sample No: 223556
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8382.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.3

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND J	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

306979

SEVERN TRENT SERVICES

Client ID: **SSFA-1R**
Site: Klockner & Klockner

Lab Sample No: 223559
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8383.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.7

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

306980

SEVERN TRENT SERVICES

Client ID: FB-081600
Site: Klockner & Klockner

Lab Sample No: 223560
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8374.d

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

VOLATILE ORGANICS - GC

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

306981

SEVERN TRENT SERVICES

Client ID: **FB-081600**
Site: **Klockner & Klockner**

Lab Sample No: 223560
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	2.3		P

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

306982

SEVERN TRENT SERVICES

Client ID: **Trip_Blank**
Site: Klockner & Klockner

Lab Sample No: **223561**
Lab Job No: C924

Date Sampled: 08/15/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8384.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	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND J	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

306983

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, New Jersey 08816
Phone: (732) 390-5858 Fax: (732) 390-9496

306984

CHAIN OF CUSTODY / ANALYSIS REQUEST

Project Manager: Mike Metliz
Samplers Name (Printed): Cheryl Coffee
Site/Project Identification: Klockner & Klockner
Project #: 05-03-02
State (Location of site): NJ: ☒ NY: ☐ Other:
Regulatory Program: EPA
Site Address: Rockaway Boro, NJ
Special Instructions:

Analysis Turnaround Time: Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: C924

Area of Concern	Sample ID	Depth	Date	Time	Matrix	No. of Cont.	PHAL	Lead	Sample Numbers
Bldg 12 Alleyway	SSAW-18	1.5-2'	8/16/00	12:55	Soil	2	✓		223537
Bldg 12 Alleyway	SSAW-19	0.5-1'	8/16/00	10:45	Soil	2	✓		223538
Bldg 12 Alleyway	SSAW-20	1.5-2'		10:00	Soil	2	✓		223539
Bldg 12 Alleyway	SSAW-22	0.5-1'		15:00	Soil	2	✓		223540
→ Bldg 12 Alleyway	SSAW-23	1-1.5'		11:45	Soil	2	✓		—
Bldg 12 Alleyway	SSAW-24	1-1.5'		11:30	Soil	2	✓		223541
Bldg 12 Alleyway	SSAW-25	1-1.5'		11:15	Soil	2	✓		223542
Bldg 12 Alleyway	SSAW-26	1-1.5'		12:15	Soil	2	✓		223543
									—
			8/16/00						—
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH					Soil:		6		
6 = MeOH, 7 = Other _____					Water:				

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Cheryl Coffee	Whitman	8-17-00 12:10	1) John C Wentes	STL
2) John C Wentes	STL	8-17-00 13:18	2) [illegible]	STL

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

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, New Jersey 08816
Phone: (732) 390-5858 Fax: (732) 390-9496

306985

CHAIN OF CUSTODY / ANALYSIS REQUEST

Project Manager: Mike Metliz
Samplers Name (Printed): Cheryl Coffee
Site/Project Identification: Klockner & Klockner
Project #: 95-03-02
State (Location of site): NJ: [X] NY: [ ] Other:
Regulatory Program: EPA
Site Address: Rockaway Boro, NJ
Special Instructions:

Analysis Turnaround Time
Standard [X]
Rush Charges Authorized For:
2 Week [ ]
1 Week [ ]
Other [ ]

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: C924

Area of Concern	Sample ID	Depth	Date	Time	Matrix	No. of Cont.	PHAL	Lead	Confirmed Lead								Sample Numbers
Bldg 12 Former Shed	SSFS-7A	0-0.5'	8/16/00	13:00	Soil	1		✓									223544
Bldg 12 Former Shed	SSFS-7B	2-2.5'		13:05	Soil	1			✓								223545
"	SSFS-7C	7-7.5'		13:06	Soil	1			✓								223546
"	SSFS-8A	0-0.5'		13:10	Soil	1			✓								223547
"	SSFS-8B	2-2.5'		13:15	Soil	1			✓								223548
"	SSFS-8C	7-7.5'	8/16/00	13:16	Soil	1			✓								223549
Bldg 12 North Drum Stor	SSNDS-9A	1.5-2'	8/16/00	14:00	Soil	2	✓										223550
"	SSNDS-9B	4.5-5'	8/16/00	14:05	Soil	2	✓										223551
"	SSNDS-DUP(8/16)	1.5-2'	8/16/00	14:10	Soil	2	✓										223552
Bldg 12 Former Shed	SSFS-DUP(8/16)	0-0.5'	8/16/00	13:01	Soil	1		✓									223553
					Soil:		6	1	1								
					Water:												

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = MeOH, 7 = Other _____

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Cheryl Coffee	Whitman	8-17-00 12:10	1) [illegible]	STL
2) [illegible]	STL	8-17-00 3:15	2) [illegible]	STL

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

G:\Forms\Field Sampling Forms\Whitman - NewCOC.xls

306986

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, New Jersey 08816
Phone: (732) 390-5858 Fax: (732) 390-9496

CHAIN OF CUSTODY / ANALYSIS REQUEST

Project Manager: Mike Metliz
Samplers Name (Printed): Cheryl Coffee
Site/Project Identification: Klockner & Klockner
Project #: 95-03-02
State (Location of site): NJ: ✓ NY: ☐ Other:
Regulatory Program: EPA
Site Address: Rockaway Boro, NJ
Special Instructions:

Analysis Turnaround Time
Standard ✓
Rush Charges Authorized For:
2 Week ☐
1 Week ☐
Other ☐

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: C924

Area of Concern	Sample ID	Depth	Date	Time	Matrix	No. of Cont.	DHAL	Continuent PHAL	Lead									Sample Numbers
Bldg 12 North Drum Storage	SSNDS-10A	1-1.5'	8/16/00	13:20	Soil	2	✓											223554
"	SSNDS-10B	4.5-5.0	8/16/00	13:30	Soil	2	✓											223555
"	SSNDS-10C	7-7.5'	8/16/00	13:35	Soil	2	✓											223556
Bldg 12 "	SSNDS-11A	1-1.5'	8/16/00	13:40	Soil	2		✓										223557
"	SSNDS-11B	4.5-5'	8/16/00	13:45	Soil	2		✓										223558
Bldg 13 Fence Area	SSFA-1R	5-5.5'	8/16/00	15:20	Soil	2	✓											223559
																		—
Field Blank	FB-081600	—	8/16/00	14:45	H_2O	3	✓		✓									223560
Trip Blank	TB-081600	—	8/~~16~~ 15/00	—	~~H_2O~~ MeOH	1	✓											223561
																		—
					Soil:		6	6	4									
					Water:													

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = MeOH, 7 = Other _____

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Cheryl Coff	Whitman	8/17/00 12:10	1) [illegible]	STL
2) [illegible]	STL	8-17-00 3:18	2) [illegible]	STL

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

G:\Forms\Field Sampling Forms\Whitman - NewCOC.xls

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: C924 **Site:** Klockner & Klockner

Client: The Whitman Companies, Inc.

VOAGC

8021Be

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
WATER							
223560	8/16/2000	8/17/2000			8.28.00	SP	7072
SOLID							
223537	8/16/2000	8/17/2000			8.22.00	SP	7072
223538	8/16/2000	8/17/2000			↓	↓	↓
223539	8/16/2000	8/17/2000			↓	↓	↓
223540	8/16/2000	8/17/2000			↓	↓	↓
223541	8/16/2000	8/17/2000			↓	↓	↓
223542	8/16/2000	8/17/2000			↓	↓	↓
223543	8/16/2000	8/17/2000			8.28.00	↓	↓
223550	8/16/2000	8/17/2000			↓	↓	↓
223551	8/16/2000	8/17/2000			↓	↓	↓
223552	8/16/2000	8/17/2000			↓	↓	↓
223554	8/16/2000	8/17/2000			↓	↓	↓
223555	8/16/2000	8/17/2000			↓	↓	↓
223556	8/16/2000	8/17/2000			↓	↓	↓
223557	8/16/2000	8/17/2000					
223558	8/16/2000	8/17/2000					
223559	8/16/2000	8/17/2000			8.28.00	SP	7072
223561	8/15/2000	8/17/2000			↓	↓	↓

306987

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	C924	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	8/16/2000
Sample No.:	223544	**Date Received:**	8/17/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	8/21/00	GA	8/21/00	YIT	10098

306988

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	C924	Site:	Klockner & Klockner
Client:	The Whitman Companies, Inc.	Date Sampled:	8/16/2000
Sample No.:	223553	Date Received:	8/17/2000
		Matrix:	SOLID

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	8/21/00	CAR	8/25/00	YH	10098

306989

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No:	C924	**Site:**	Klockner & Klockner
Client:	The Whitman Companies, Inc.	**Date Sampled:**	8/16/2000
Sample No.:	223560	**Date Received:**	8/17/2000
		Matrix:	WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
LEAD	8/21/00	CA	8/25/00	YH	10048

306990

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

306991

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.

306992

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.

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.

306994

NON-CONFORMANCE SUMMARY

STL Envirotech Job Number: C924

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 ( )

306995

Non-conformance Summary, Page 2 of 2
STL Envirotech Job Number: C924

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: [signature] Date: 9-14-00

306996

Client ID: **SSAW-18**
Site: Klockner & Klockner

Lab Sample No: **223537**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8345.d

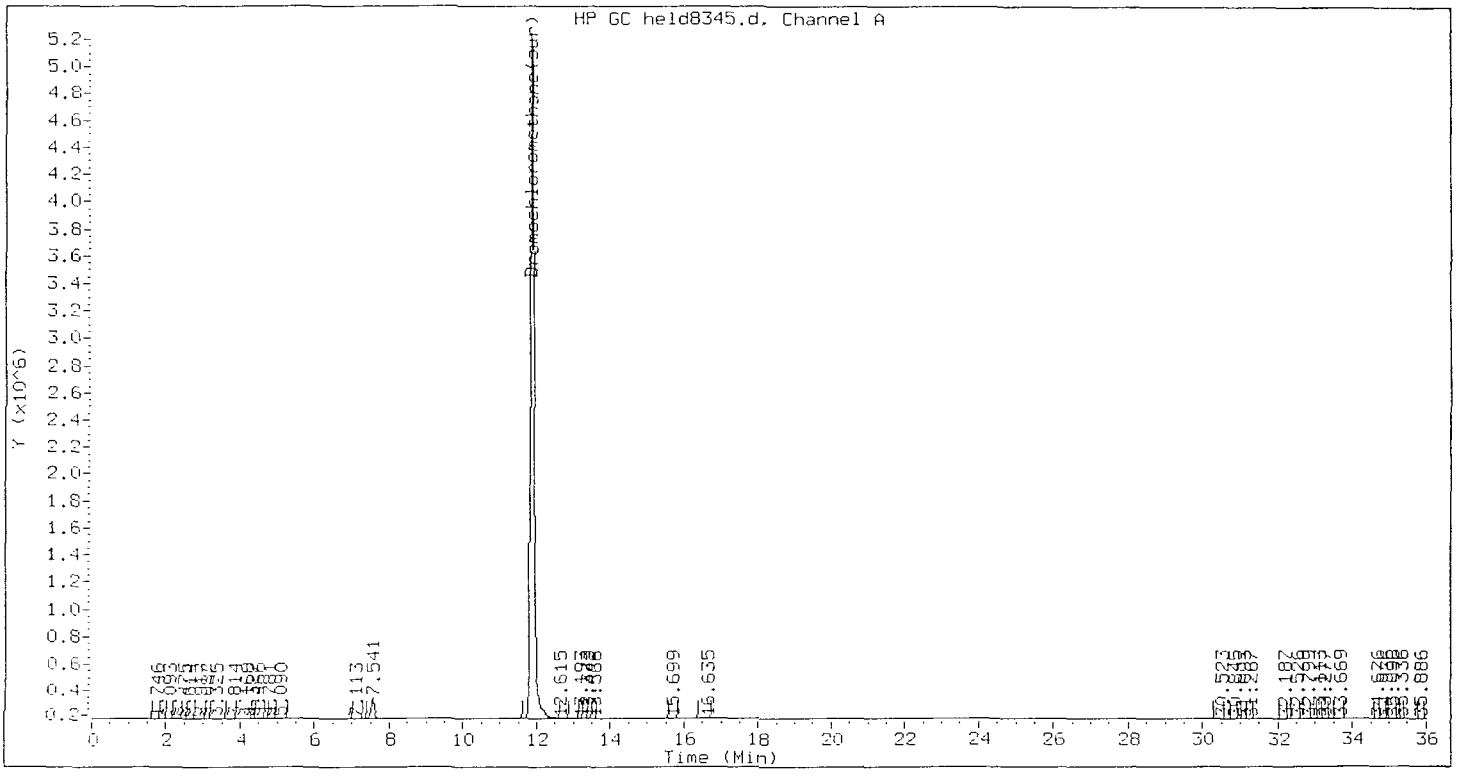
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.9

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

306997

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8345.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 223537;;50
Lab ID : 223537 SP
Inj Date : 22-AUG-2000 16:02
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.845	11.866	0.022	171231568	27.186	3428.776

306998

Client ID: **SSAW-19**
Site: Klockner & Klockner

Lab Sample No: **223538**
Lab Job No: C924

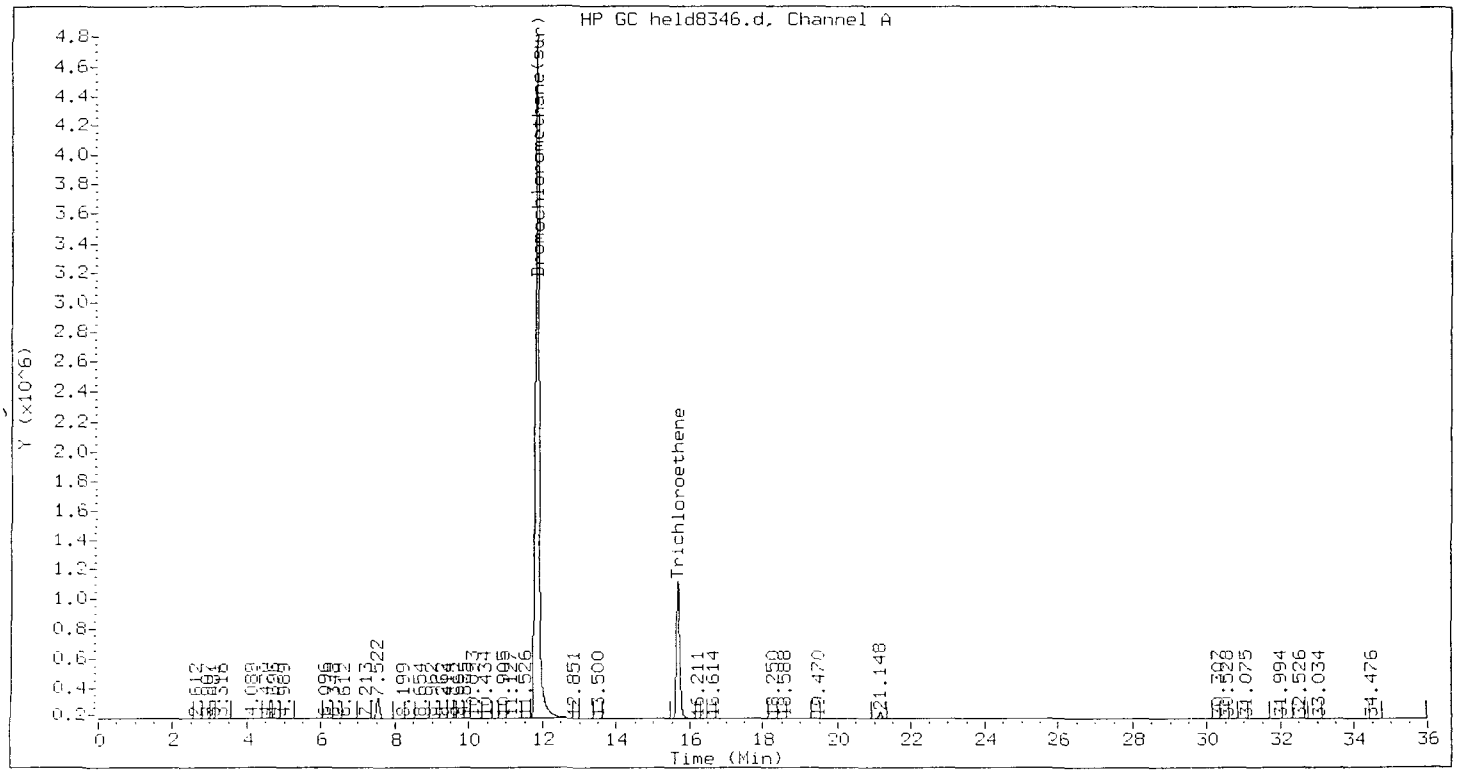
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8346.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.5

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	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

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8346.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 223538;;50
Lab ID : 223538
Inj Date : 22-AUG-2000 16:49
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Trichloroethene	15.663	15.701	0.038	29536365	3.258	467.872
Bromochloromethane(sur)	11.824	11.866	0.042	164901723	26.181	3760.140

307000

Client ID: **SSAW-21**
Site: Klockner & Klockner

Lab Sample No: **223539**
Lab Job No: C924

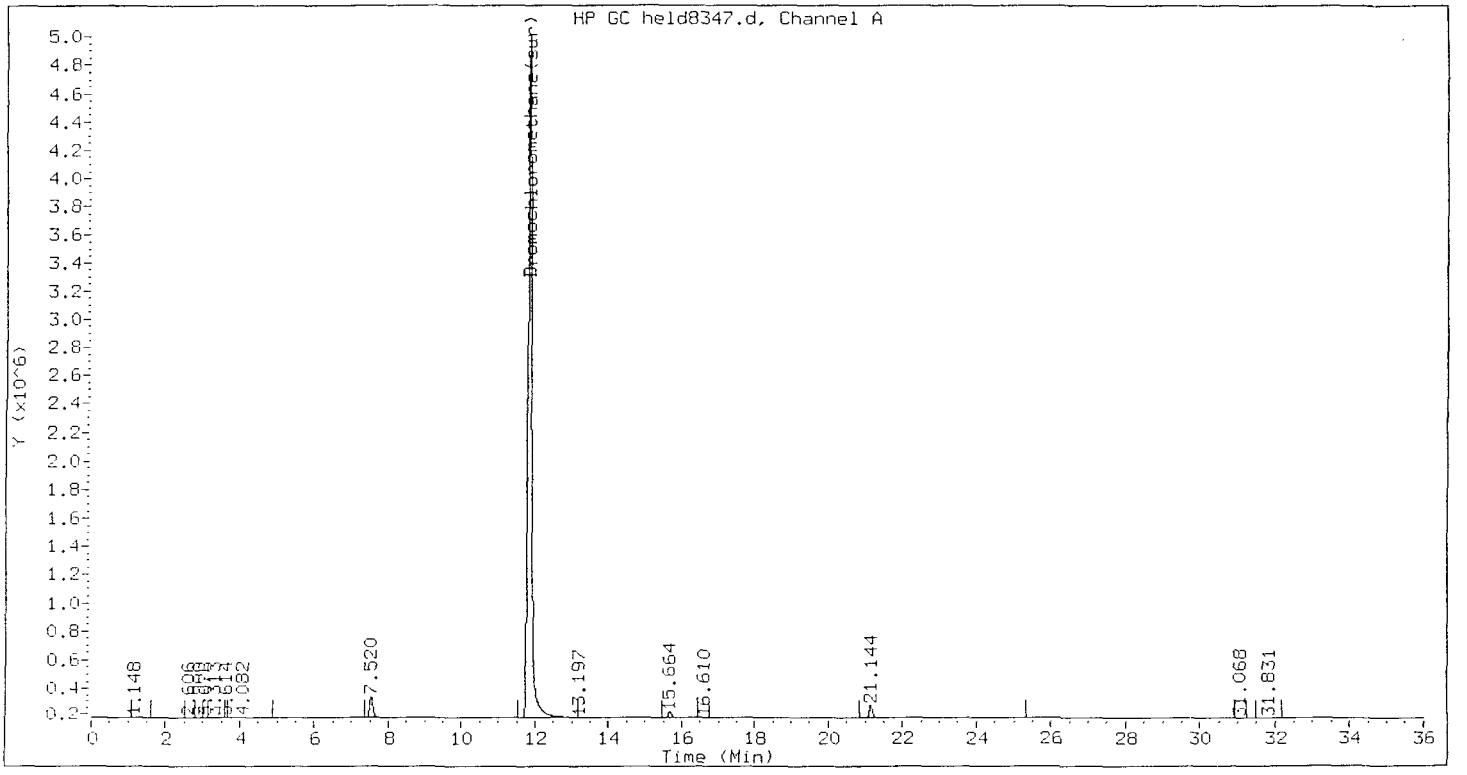
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8347.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.5

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

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8347.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 223539;;50
Lab ID : 223539 SP
Inj Date : 22-AUG-2000 17:36
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	11.821	11.866	0.045	173136420	27.489	3359.139

307002

Client ID: **SSAW-22**
Site: Klockner & Klockner

Lab Sample No: **223540**
Lab Job No: C924

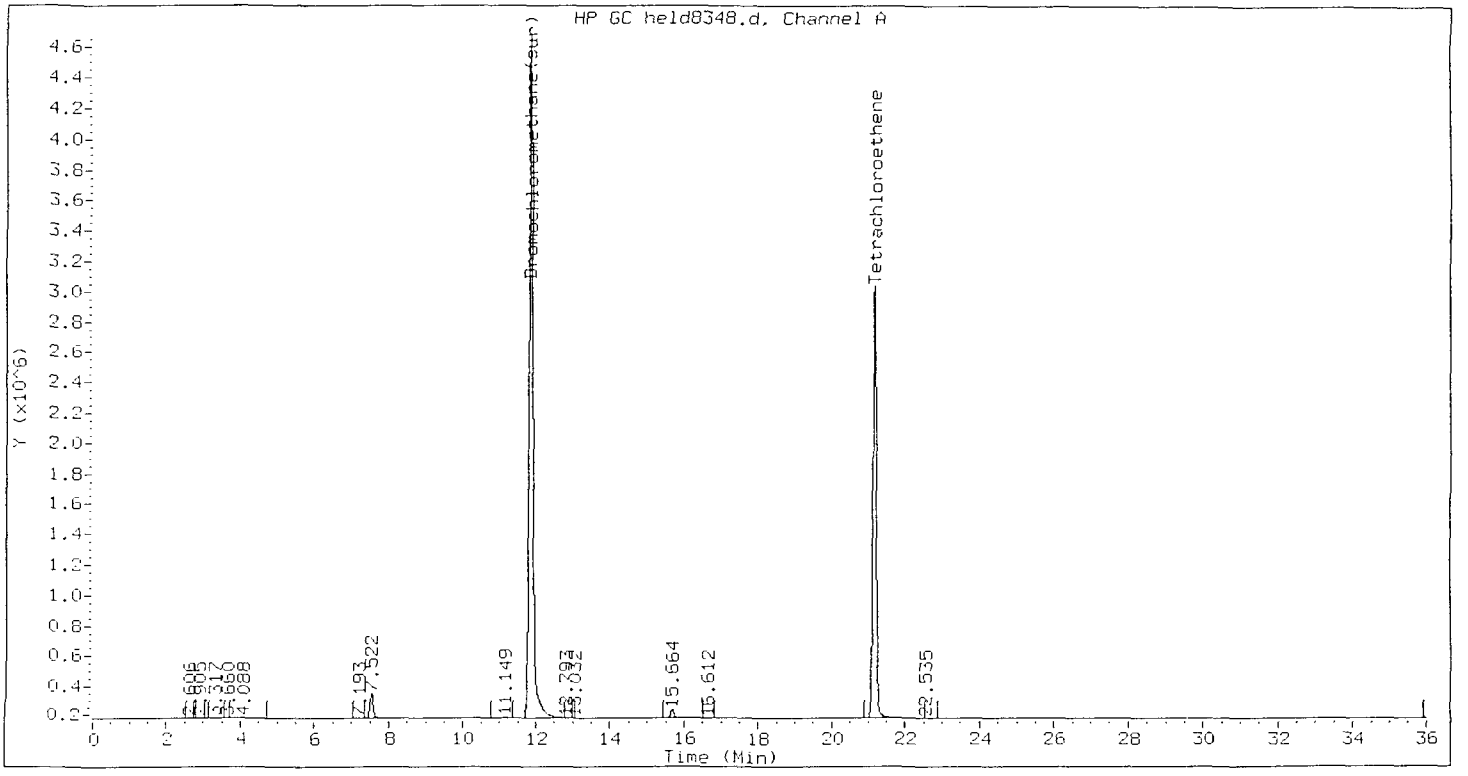
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8348.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.2

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	1200	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

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8348.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 223540;;50
Lab ID : 223540
Inj Date : 22-AUG-2000 18:23
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 (none)	FINAL (ug/Kg)
Tetrachloroethene	21.142	21.176	0.034	89264613	9.140	1219.000
Bromochloromethane(sur)	11.824	11.866	0.043	162615265	25.818	3443.219

307004

Client ID: **SSAW-24**
Site: Klockner & Klockner

Lab Sample No: **223541**
Lab Job No: C924

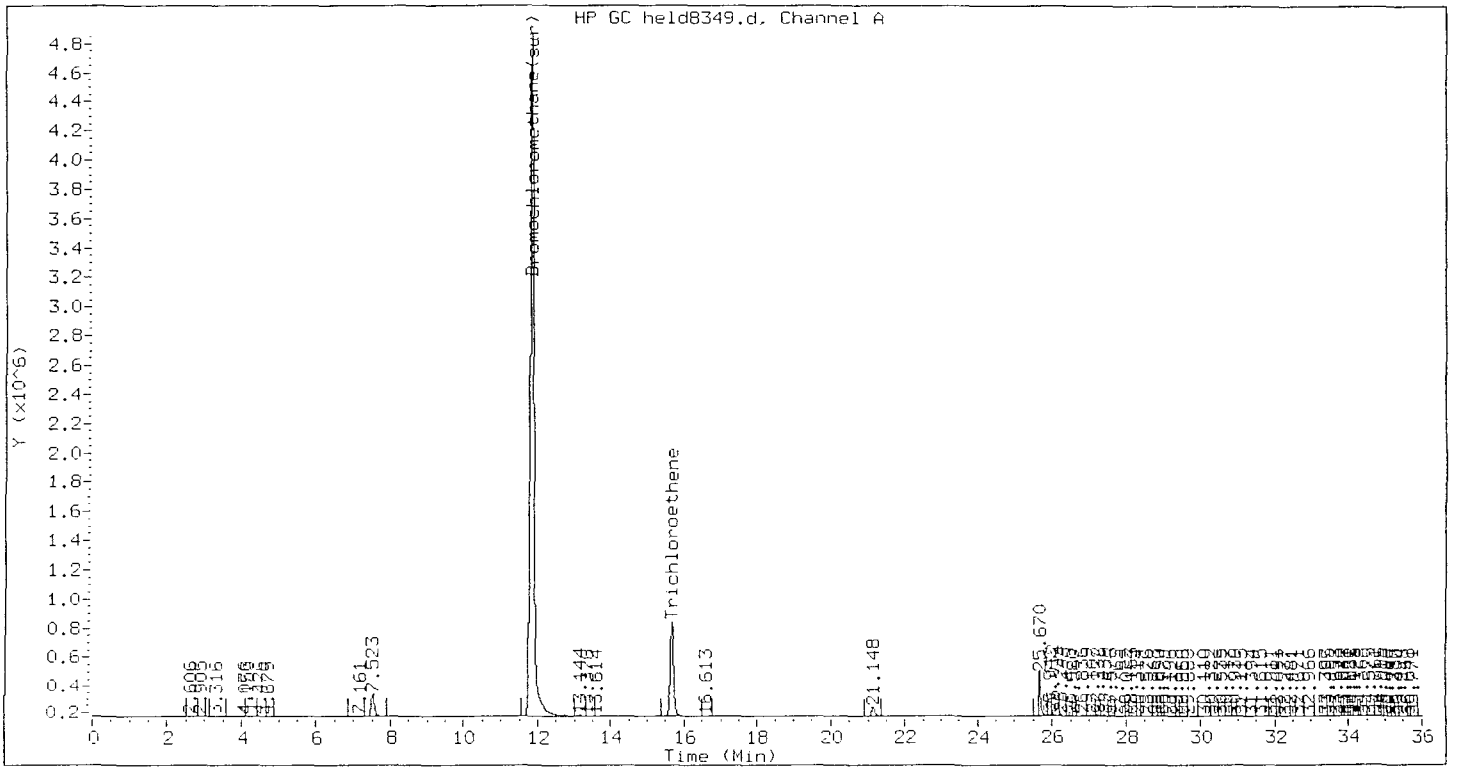
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8349.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.5

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	310	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

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8349.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 223541;;50
Lab ID : 223541
Inj Date : 22-AUG-2000 19:10
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
Trichloroethene	15.664	15.701	0.037	21596912	2.382	308.185
Bromochloromethane(sur)	11.825	11.866	0.041	169444807	26.902	3480.618

307006

Client ID: **SSAW-25**
Site: Klockner & Klockner

Lab Sample No: **223542**
Lab Job No: C924

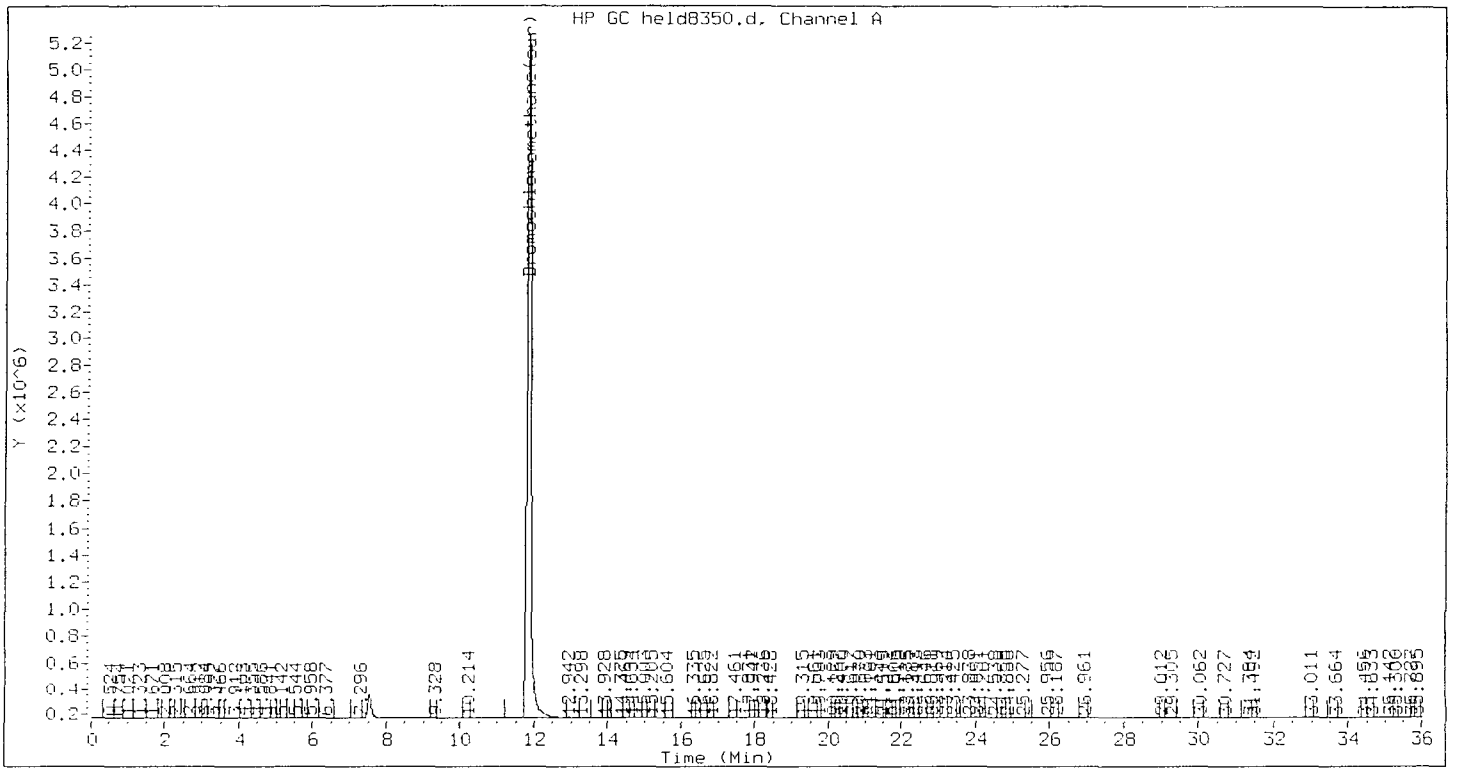
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8350.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.6

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	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

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8350.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 223542;;50 58
Lab ID : 223542
Inj Date : 22-AUG-2000 19:56
Operator : SP
Cpnd Sublist: 601

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

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	(M)	11.840	11.866	0.026	190736238	30.283	3994.501

COMMENTS:

M - Compound response manually integrated.

307008

Client ID: **SSAW-26**
Site: Klockner & Klockner

Lab Sample No: **223543**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8375.d

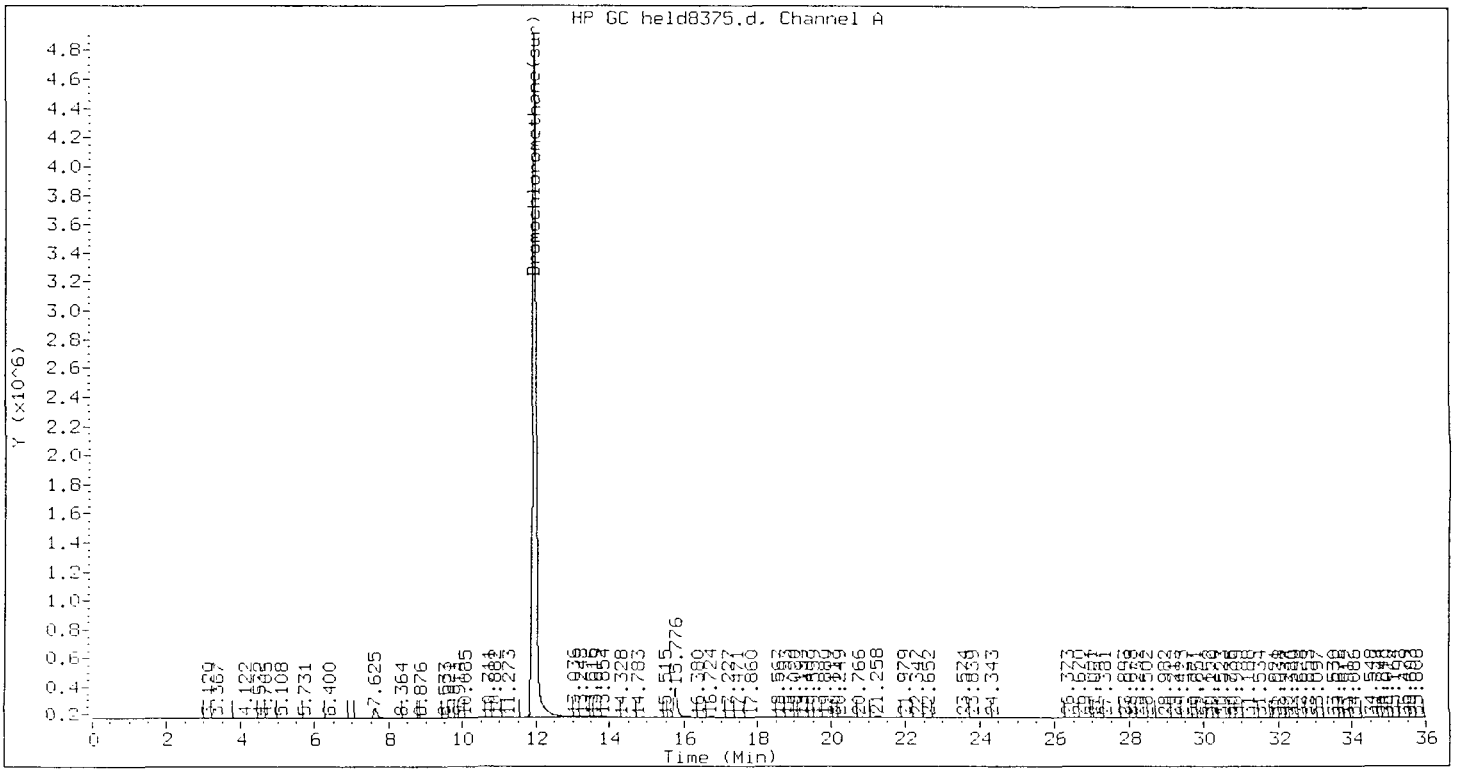
Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.4

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

307009

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8375.d Page 1
Report Date 08/30/2000 10:06



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223543;;50
Lab ID : 223543
Inj Date : 28-AUG-2000 12:43
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	11.942	11.937	0.005	167508873	27.375	3228.161

307010

Client ID: **SSNDS-9A**
Site: Klockner & Klockner

Lab Sample No: **223550**
Lab Job No: C924

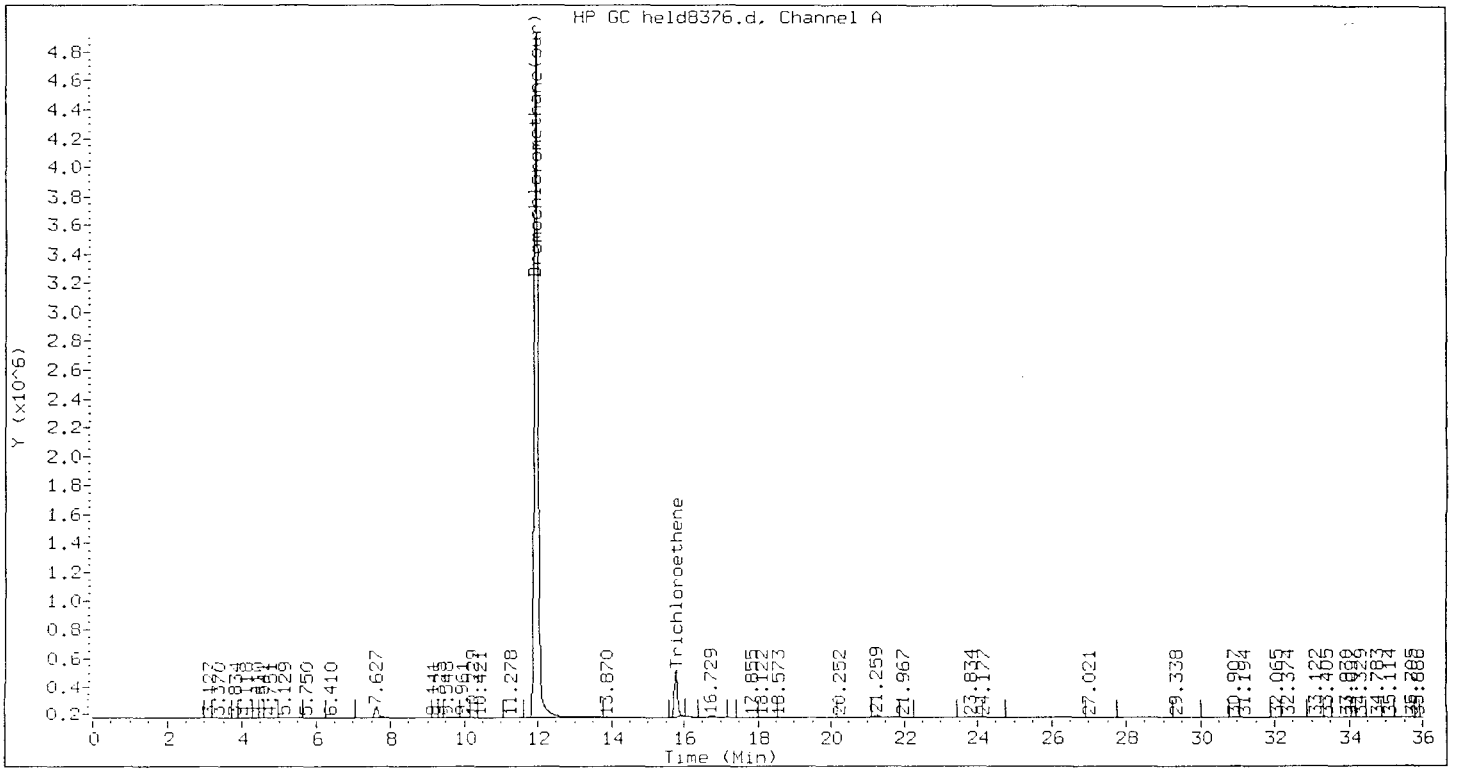
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8376.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.8

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	190	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8376.d Page 1
Report Date 08/30/2000 10:06



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223550;;50 SP
Lab ID : 223550
Inj Date : 28-AUG-2000 13:28
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Trichloroethene	15.780	15.771	0.009	10904023	1.297	193.791
Bromochloromethane(sur)	11.945	11.937	0.008	167087612	27.306	4079.295

307012

Client ID: **SSNDS-9B**
Site: Klockner & Klockner

Lab Sample No: **223551**
Lab Job No: C924

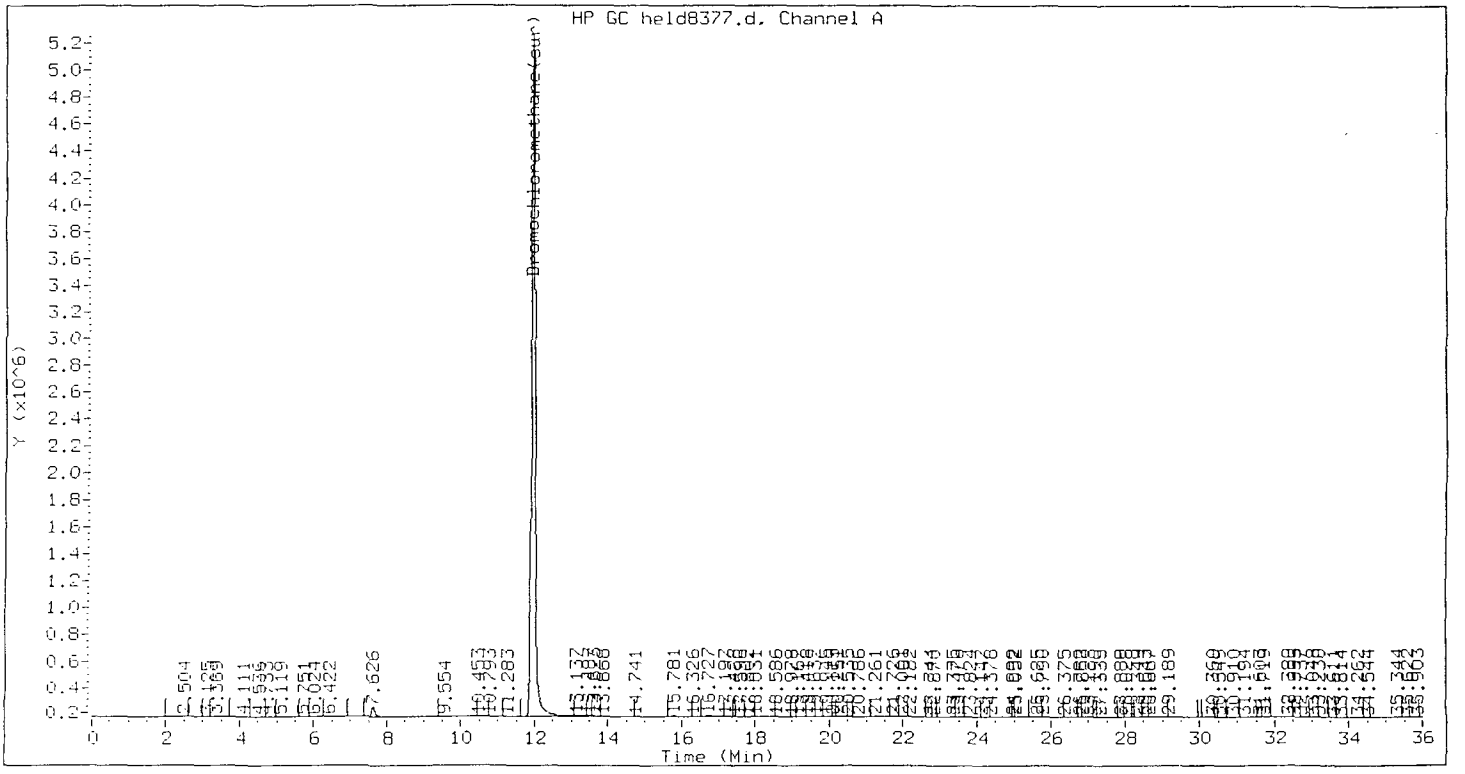
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8377.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.3

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

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8377.d Page 1
Report Date 08/30/2000 10:06



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223551;;50
Lab ID : 223551
Inj Date : 28-AUG-2000 14:14
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.942	11.937	0.006	177250801	28.967	3346.326

307014

Client ID: **SSNDS-DUP816**
Site: Klockner & Klockner

Lab Sample No: **223552**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8378.d

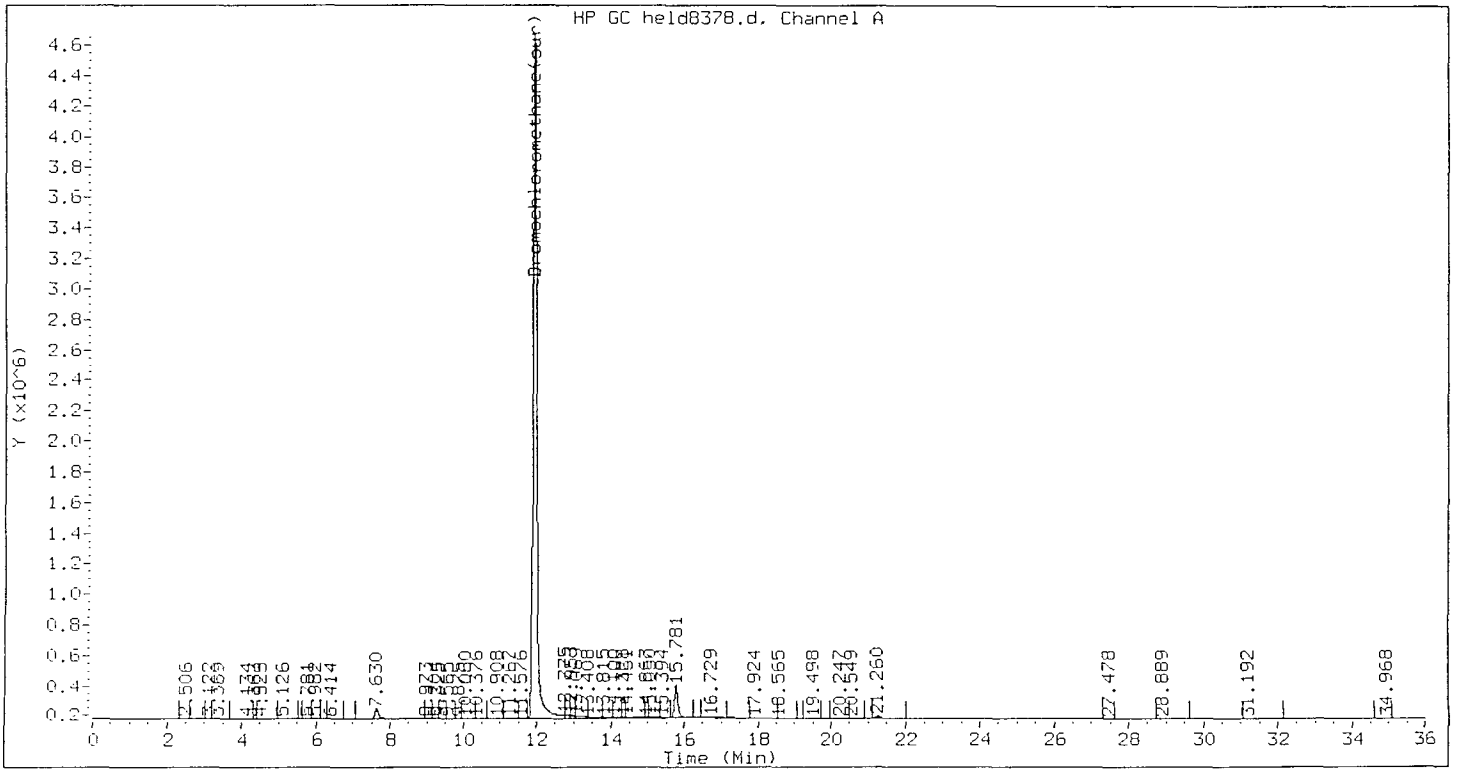
Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.9

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	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

307015

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8378.d Page 1
Report Date 08/30/2000 10:06



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223552;;50
Lab ID : 223552
Inj Date : 28-AUG-2000 14:59
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.945	11.937	0.008	158254227	25.863	3771.989

307016

Client ID: **SSNDS-10A**
Site: Klockner & Klockner

Lab Sample No: **223554**
Lab Job No: C924

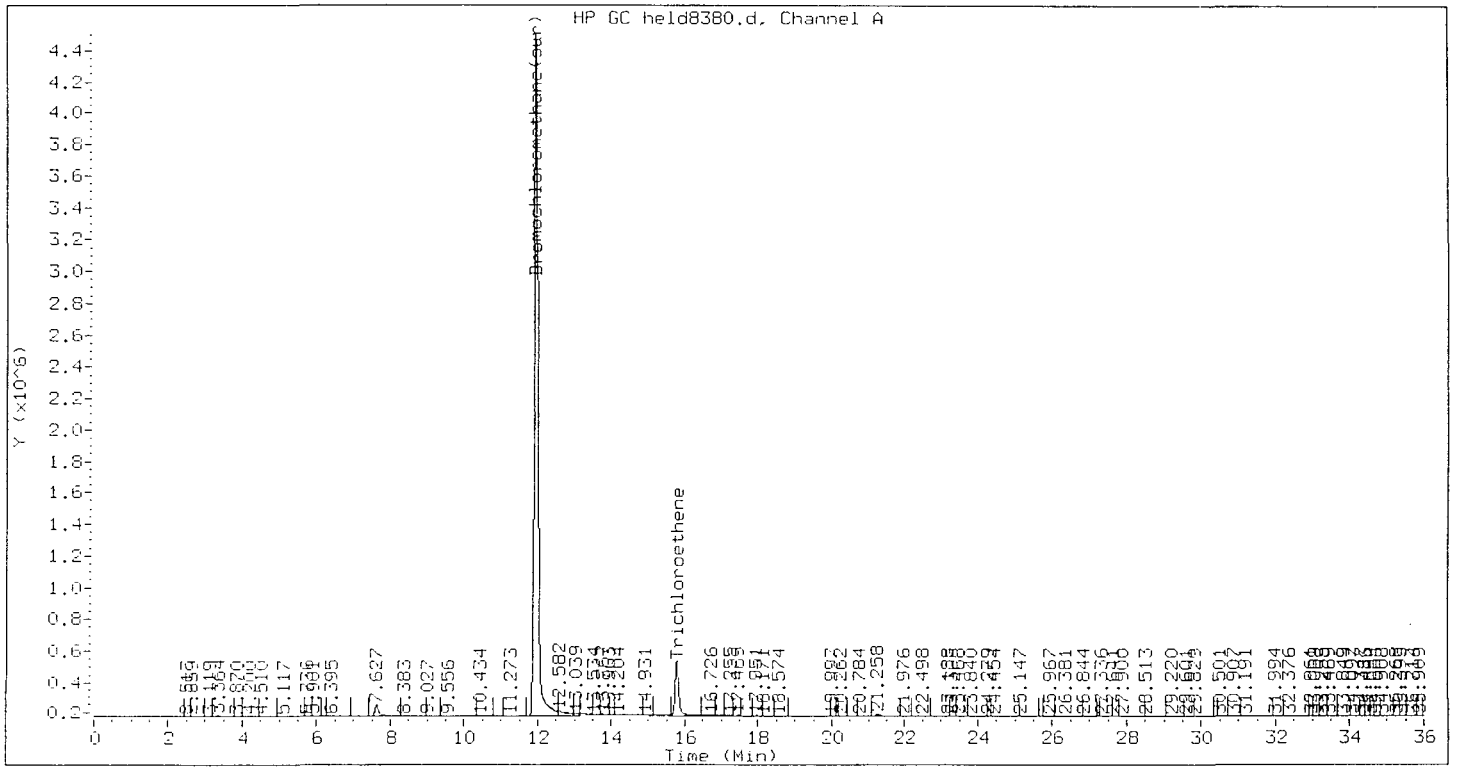
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8380.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	220	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8380.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223554;;50
Lab ID : 223554
Inj Date : 28-AUG-2000 16:30
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
Trichloroethene	15.778	15.771	0.008	12904442	1.535	225.951
Bromochloromethane(sur)	11.944	11.937	0.007	153693658	25.118	3696.803

307018

Client ID: **SSNDS-10B**
Site: Klockner & Klockner

Lab Sample No: **223555**
Lab Job No: C924

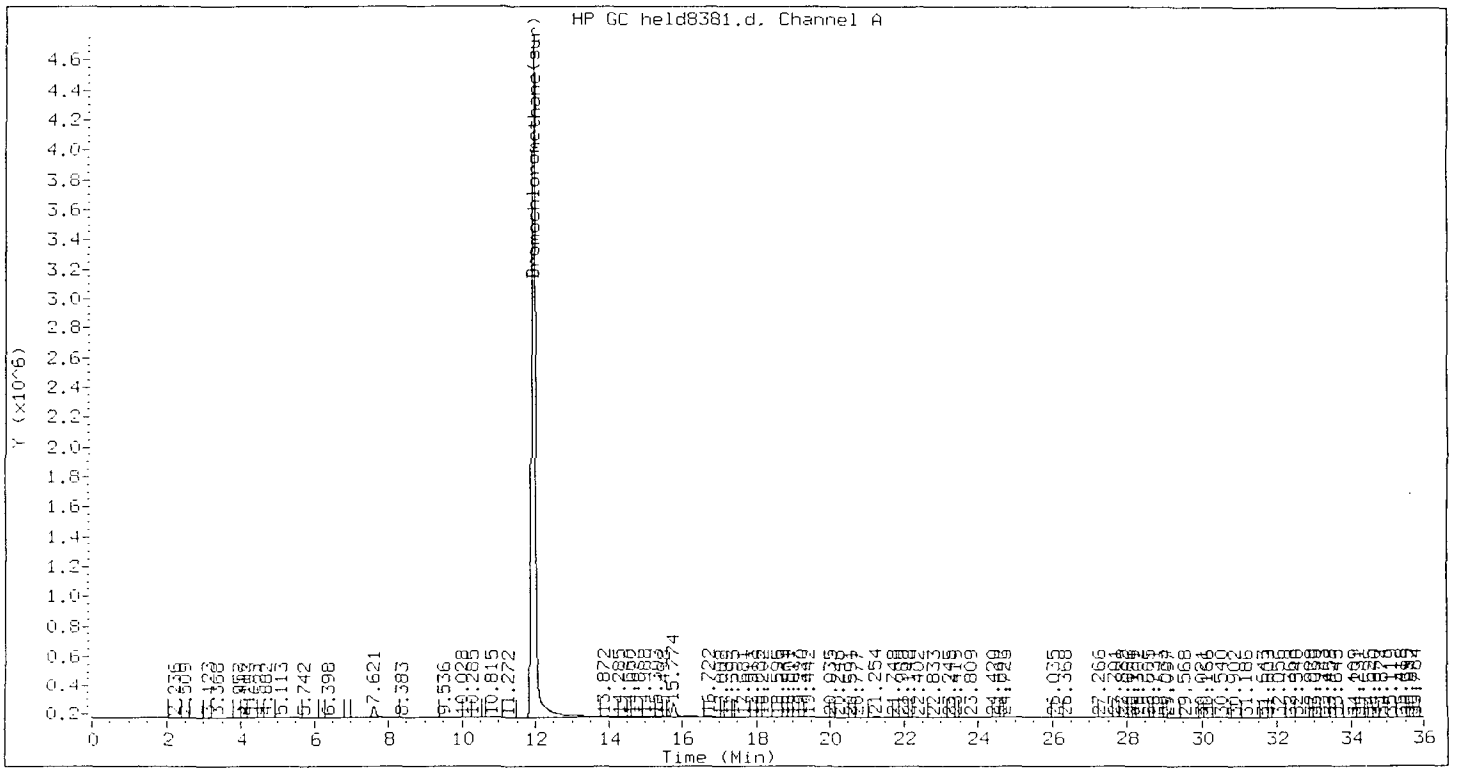
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8381.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.5

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

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8381.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223555;;50
Lab ID : 223555 AR
Inj Date : 28-AUG-2000 17:16
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.936	11.937	0.000	167810124	27.425	3548.175

307020

Client ID: **SSNDS-10C**
Site: Klockner & Klockner

Lab Sample No: **223556**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8382.d

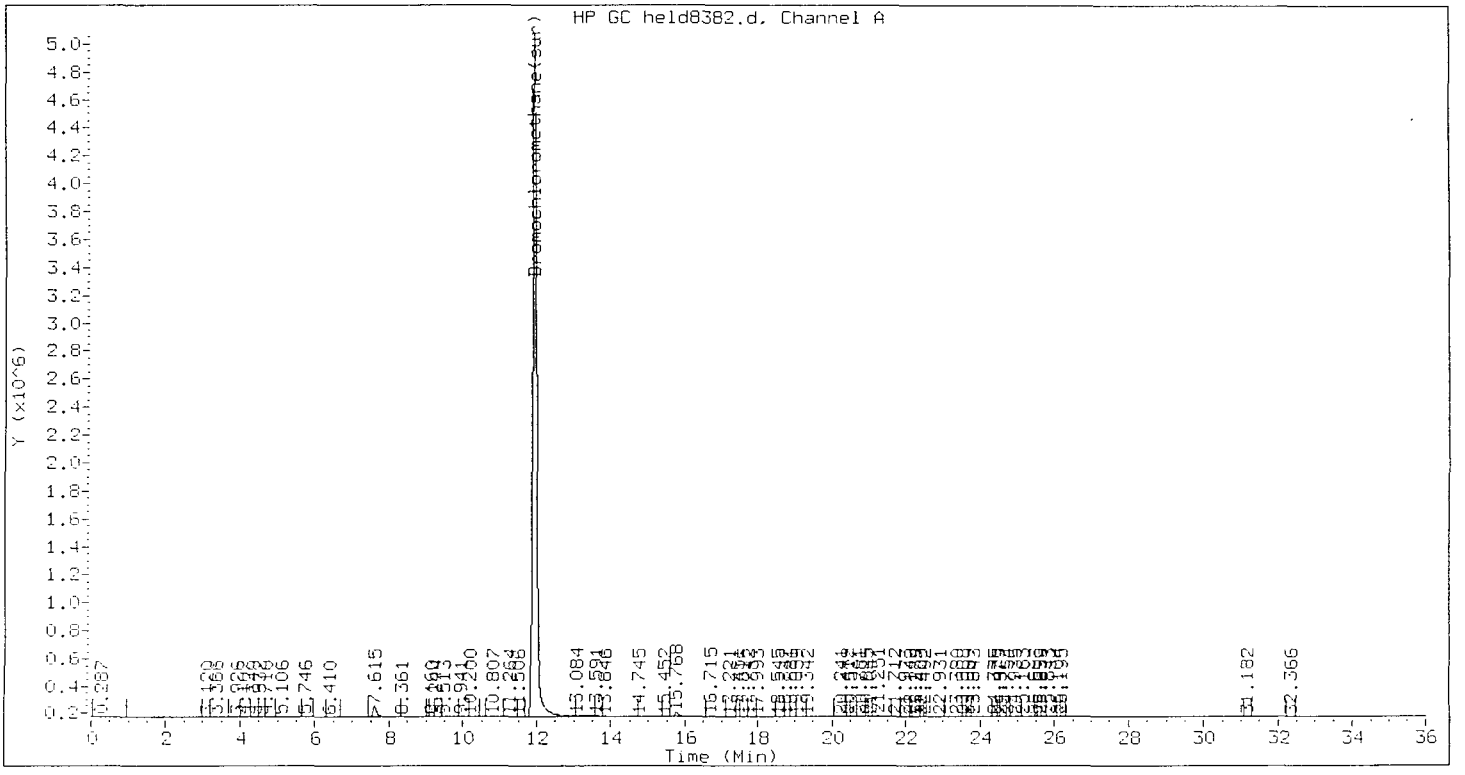
Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.3

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

307021

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8382.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223556;;50
Lab ID : 223556
Inj Date : 28-AUG-2000 18:02
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.931	11.937	0.006	176635555	28.867	3189.314

307022

Client ID: **SSFA-1R**
Site: Klockner & Klockner

Lab Sample No: **223559**
Lab Job No: C924

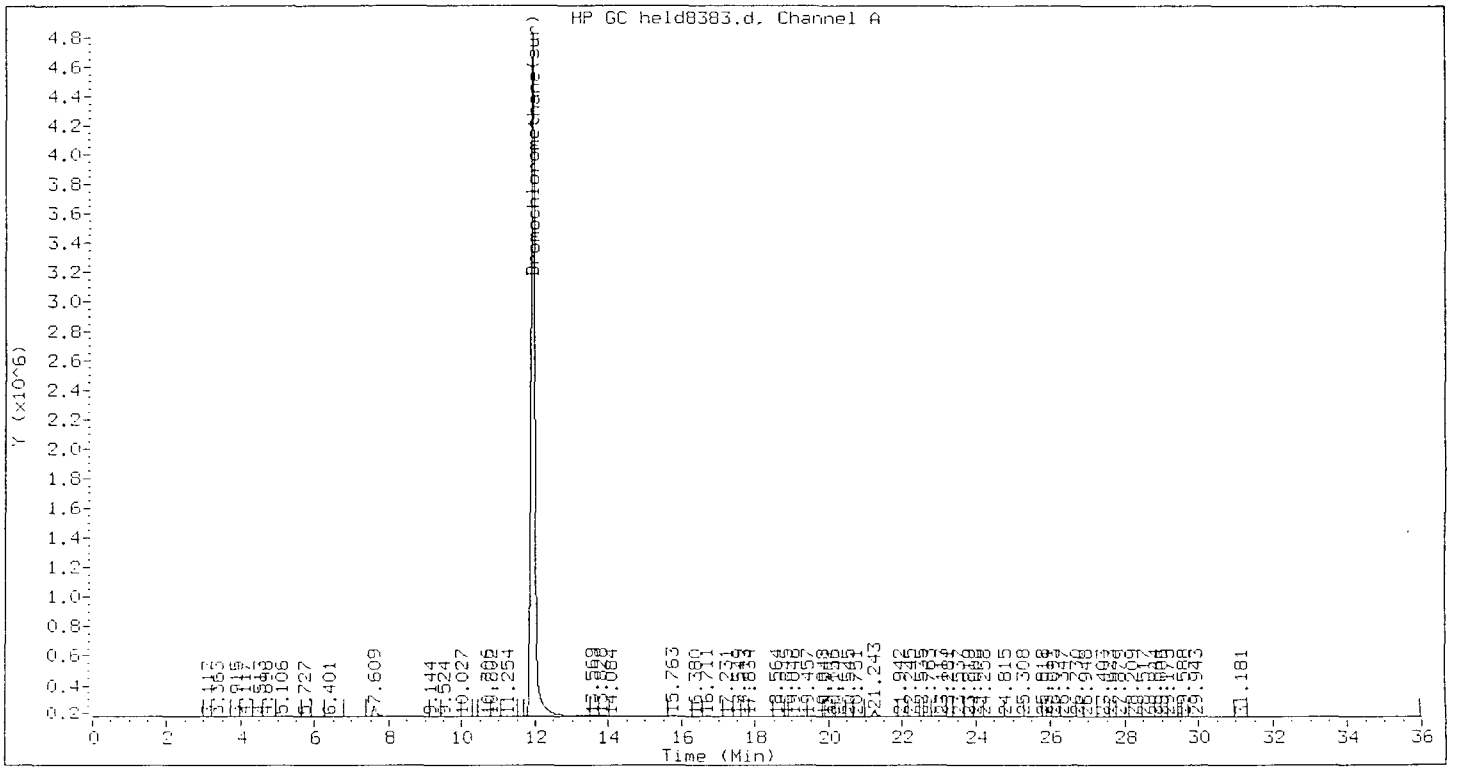
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8383.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.7

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

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8383.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223559;;50
Lab ID : 223559
Inj Date : 28-AUG-2000 18:49
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.924	11.937	0.013	173469553	28.349	3345.305

307024

Client ID: **FB-081600**
Site: Klockner & Klockner

Lab Sample No: **223560**
Lab Job No: C924

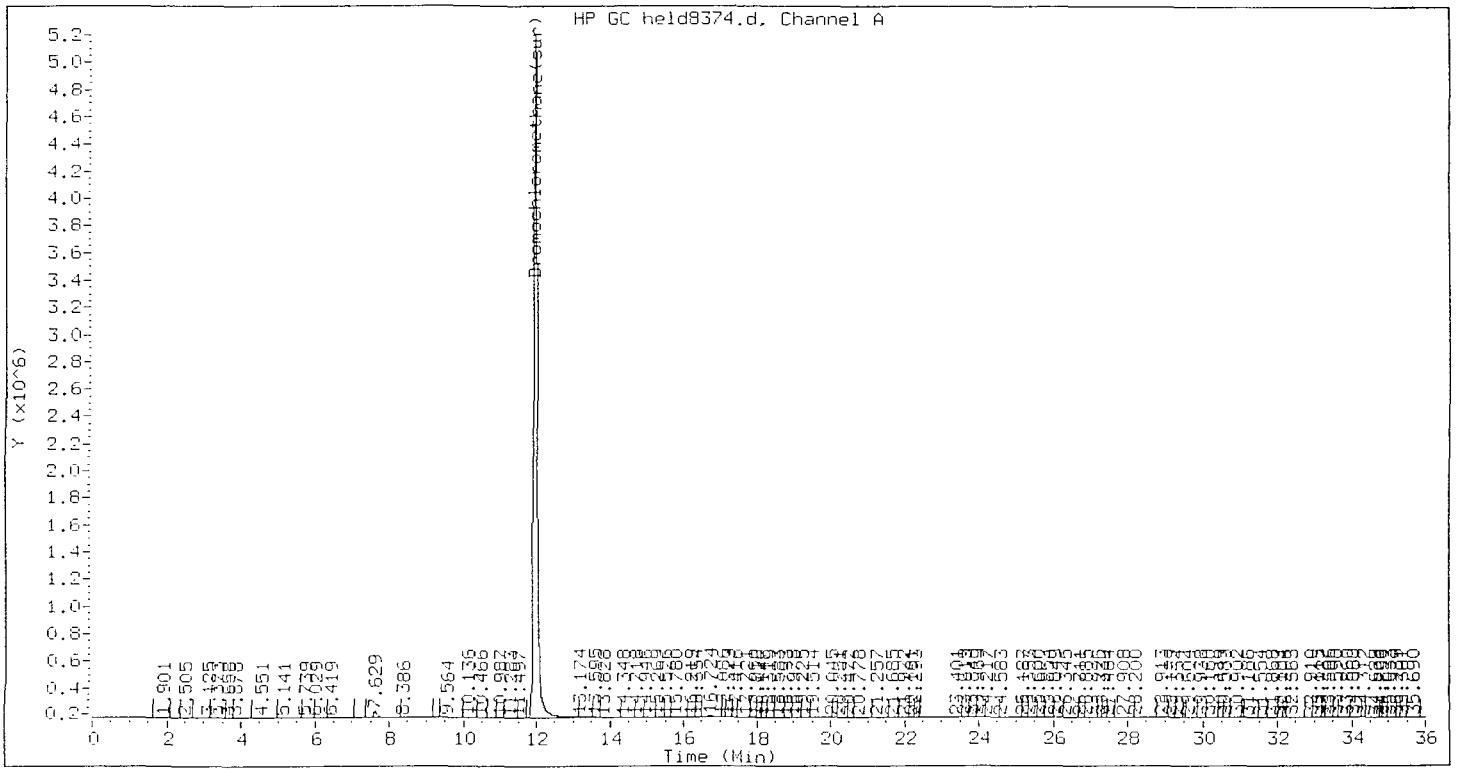
Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8374.d

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

VOLATILE ORGANICS - GC

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

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8374.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223560
Lab ID : 223560 4f
Inj Date : 28-AUG-2000 11:58
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 (none)	FINAL (ug/L)
Bromochloromethane(sur)	11.942	11.937	0.006	174486237	28.516	28.516

307026

Client ID: **Trip_Blank**
Site: Klockner & Klockner

Lab Sample No: **223561**
Lab Job No: C924

Date Sampled: 08/15/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8384.d

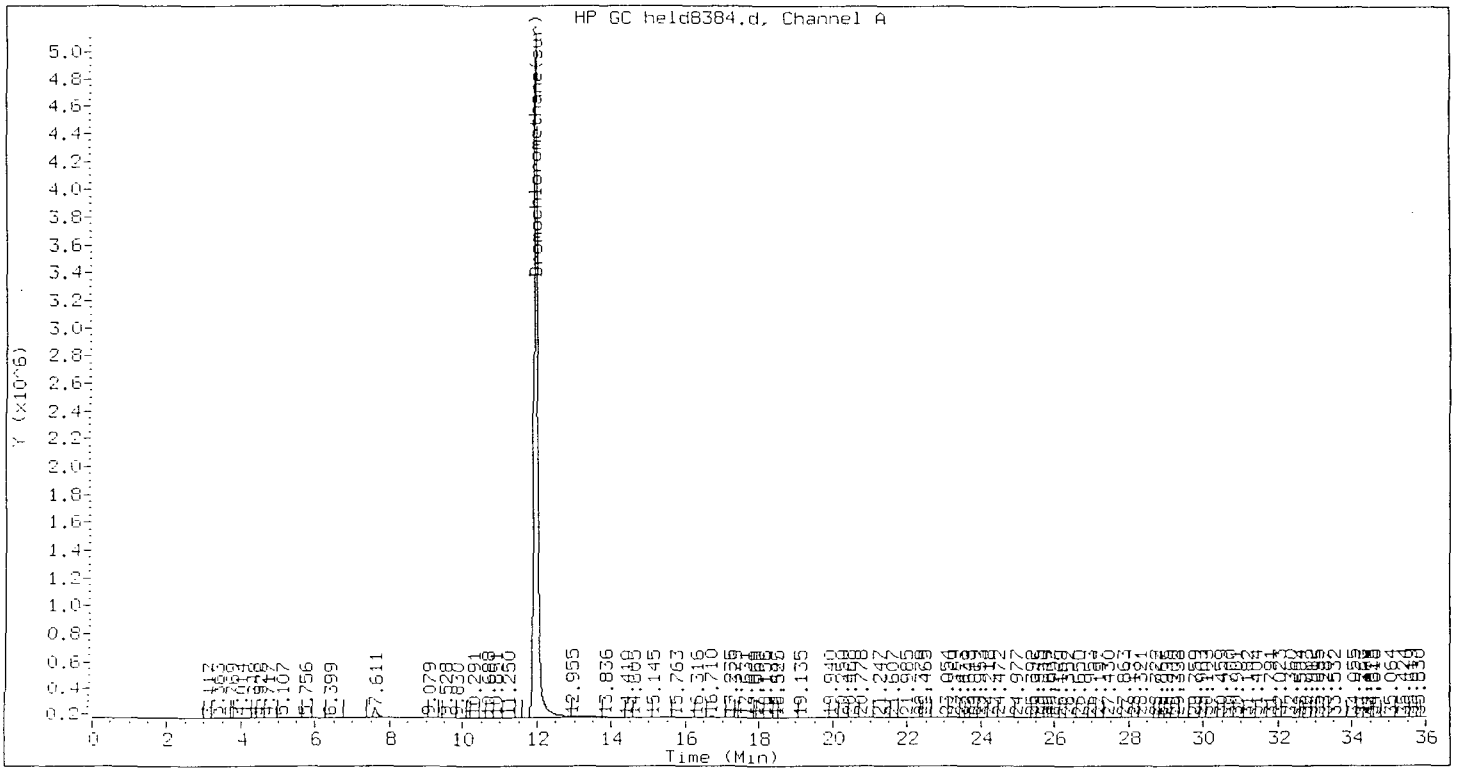
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg	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

307027

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8384.d Page 1
Report Date 08/29/2000 07:32



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : 223561;;50 gp
Lab ID : 223561
Inj Date : 28-AUG-2000 19:35
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.926	11.937	0.011	180310246	29.467	3683.425

307028

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

HG235

Date Analyzed: 08/22/00 Instrument ID: VOAGC2

Time Analyzed: 1515 Lab File ID: HELD8344

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-18	223537	HELD8345	1602
02	SSAW-19	223538	HELD8346	1649
03	SSAW-21	223539	HELD8347	1736
04	SSAW-22	223540	HELD8348	1823
05	SSAW-24	223541	HELD8349	1910
06	SSAW-25	223542	HELD8350	1956
07	SSAW-18MS	223537MS	HELD8351	2043
08	SSAW-18MSD	223537MSD	HELD8352	2129
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

307029

Client ID: **HG235**
Site:

Lab Sample No: **HG235**
Lab Job No: C924

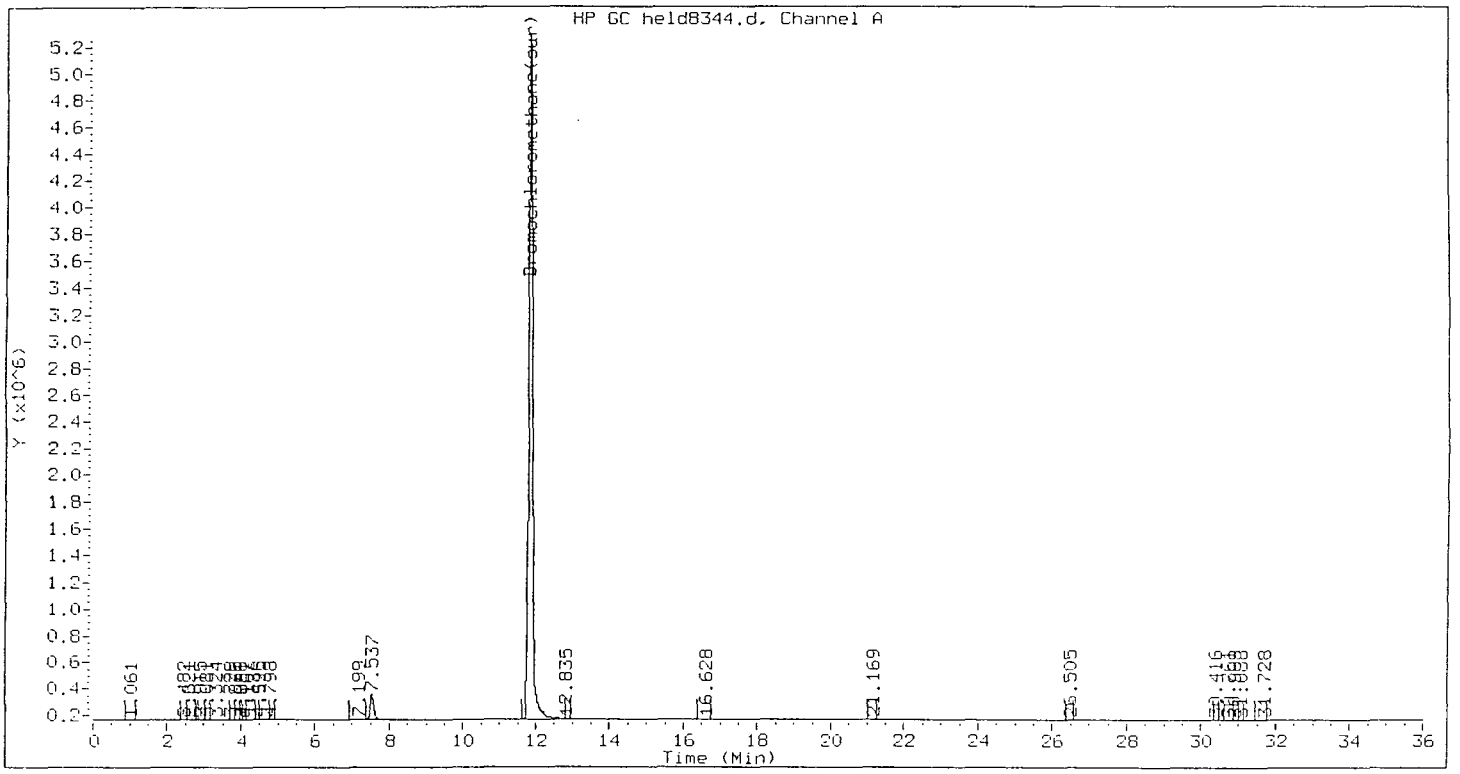
Date Sampled: _____
Date Received: _____
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8344.d

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

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8344.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : HG235
Lab ID : HG235
Inj Date : 22-AUG-2000 15:15
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	11.843	11.866	0.023	183804677	29.182	3647.785

307031

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

HG241

Date Analyzed: 08/28/00 Instrument ID: VOAGC2

Time Analyzed: 0942 Lab File ID: HELD8371

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-26	223543	HELD8375	1243
02	SSNDS-9A	223550	HELD8376	1328
03	SSNDS-9B	223551	HELD8377	1414
04	SSNDS-DUP816	223552	HELD8378	1459
05	SSNDS-10A	223554	HELD8380	1630
06	SSNDS-10B	223555	HELD8381	1716
07	SSNDS-10C	223556	HELD8382	1802
08	SSFA-1R	223559	HELD8383	1849
09	TRIP_BLANK	223561	HELD8384	1935
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

Client ID: **HG241**
Site:

Lab Sample No: **HG241**
Lab Job No: C924

Date Sampled: _____
Date Received: _____
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8371.d

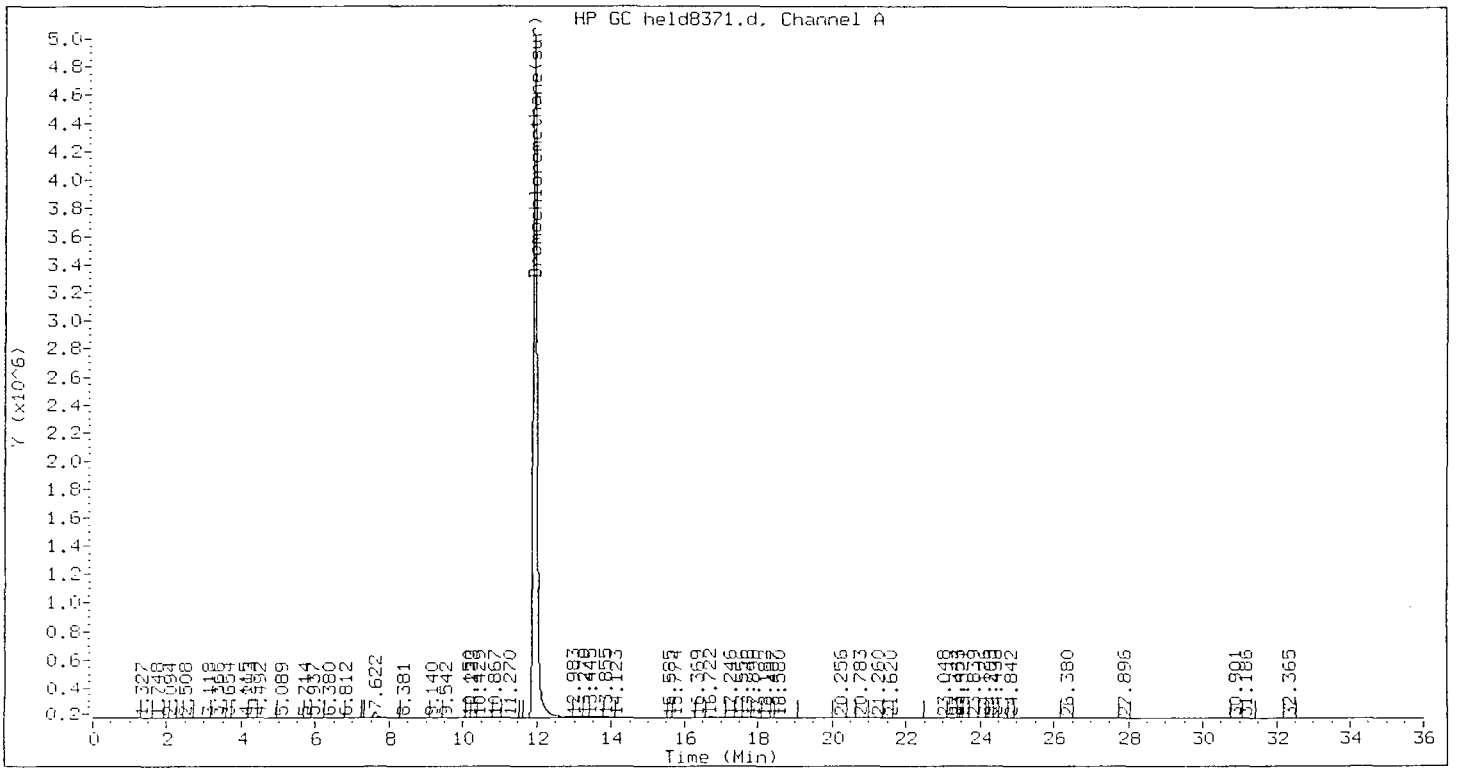
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

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

307033

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8371.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : HG241
Lab ID : HG241
Inj Date : 28-AUG-2000 09:42
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 (none)	FINAL (ug/Kg)
Bromochloromethane(sur)	11.938	11.937	0.002	169428032	27.689	3461.120

307034

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

HG241W

Date Analyzed: 08/28/00 Instrument ID: VOAGC2

Time Analyzed: 1113 Lab File ID: HELD8373

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	FB-081600	223560	HELD8374	1158
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:

307035

Client ID: **HG241W**
Site:

Lab Sample No: **HG241W**
Lab Job No: C924

Date Sampled: _____
Date Received: _____
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8373.d

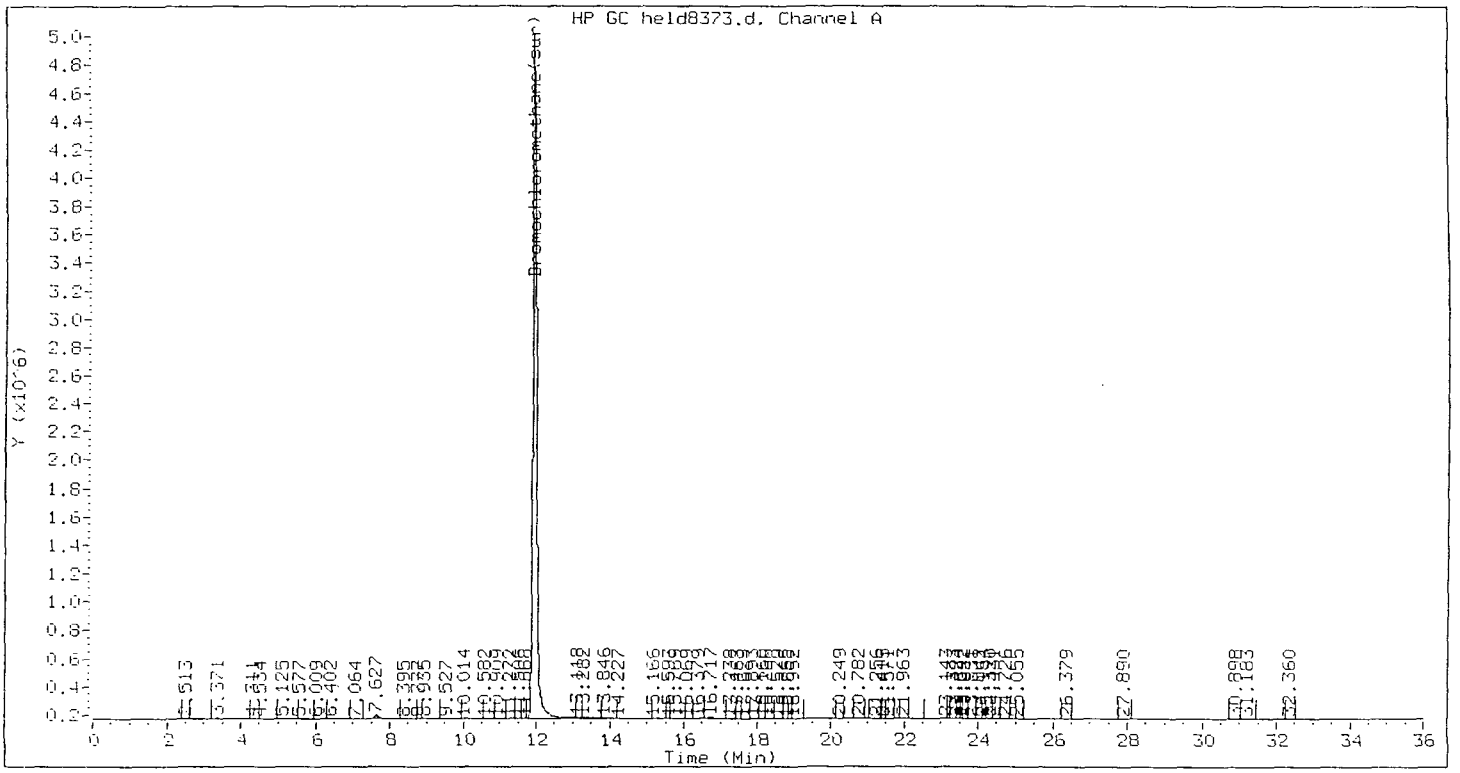
Matrix: WATER
Level: MED
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC

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

307036

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8373.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : HG241 W
Lab ID : HG241 W
Inj Date : 28-AUG-2000 11:13
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 (none)	CONCENTRATIONS FINAL (ug/L)
Bromochloromethane(sur)	11.937	11.937	0.000	171455745	28.020	28.020

307037

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2

Calibration Date(s): 08/22/00 08/22/00

Calibration Time(s): 0933 1230

LAB FILE ID: RRF1: HELD8341 RRF5: HELD8337 RRF10: HELD8338
RRF20: HELD8339 RRF40: HELD8340

COMPOUND	RRF1	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	927793	1288473	1387136	1703923	1604490
Chloromethane	835761	681202	729524	898606	911828
Vinyl Chloride	2420794	2441512	2413937	2849673	2797545
Bromomethane	1814131	2207082	2179260	2700764	2508099
Chloroethane	3673993	4704315	4438943	4763864	4326823
Trichlorofluoromethane	2153898	3513100	3645041	4314775	4588825
1,1-Dichloroethene	5859434	6757919	6775302	7425101	7036496
Methylene Chloride	8476250	8799881	8850794	9365709	8668536
trans-1,2-Dichloroethene	6824932	7723604	7810518	8347854	7807650
1,1-Dichloroethane	7166368	8034280	8172294	8740076	8201164
cis-1,2-Dichloroethene	7055848	8000416	8169663	8841716	8123146
Chloroform	10712905	11431408	11301336	11765626	10680290
1,1,1-Trichloroethane	8004508	9132771	9051251	9682186	8992416
Carbon Tetrachloride	9512165	10660920	10414913	11095547	10264649
1,2-Dichloroethane	7017181	8176496	8086089	8564880	8123250
Trichloroethene	8308486	9137412	9116690	9717652	9052892
1,2-Dichloropropane	6753058	7560387	7480113	8096927	7712528
Bromodichloromethane	6589191	7512475	7479036	8234554	7934308
2-Chloroethyl Vinyl Ether	2135890	2943810	2990148	3413338	3310356
cis-1,3-Dichloropropene	6128052	6853380	6873058	7293416	6988420
trans-1,3-Dichloropropene	5435171	6350837	6336310	6913074	6543925
1,1,2-Trichloroethane	8182279	9022938	8835615	9394153	8625815
Tetrachloroethene	9143375	10064639	9727494	10479082	9415354
Dibromochloromethane	4829170	5538923	5509861	6444747	6298445
Chlorobenzene	2785213	3604144	4202891	4105132	4023142
Bromoform	2507805	3454173	4250094	4409304	4411293
1,1,2,2-Tetrachloroethane	5724139	6664754	7324506	7291109	6594965
1,3-Dichlorobenzene	4152120	4956478	5577768	5718991	5344694
1,4-Dichlorobenzene	4280340	5266098	5888325	6013573	5635030
1,2-Dichlorobenzene	4057290	4900166	5594882	5640900	5353586
Bromochloromethane(sur)	7156402	5744260	5762267	6642228	6187356

307038

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 08/22/00 08/22/00

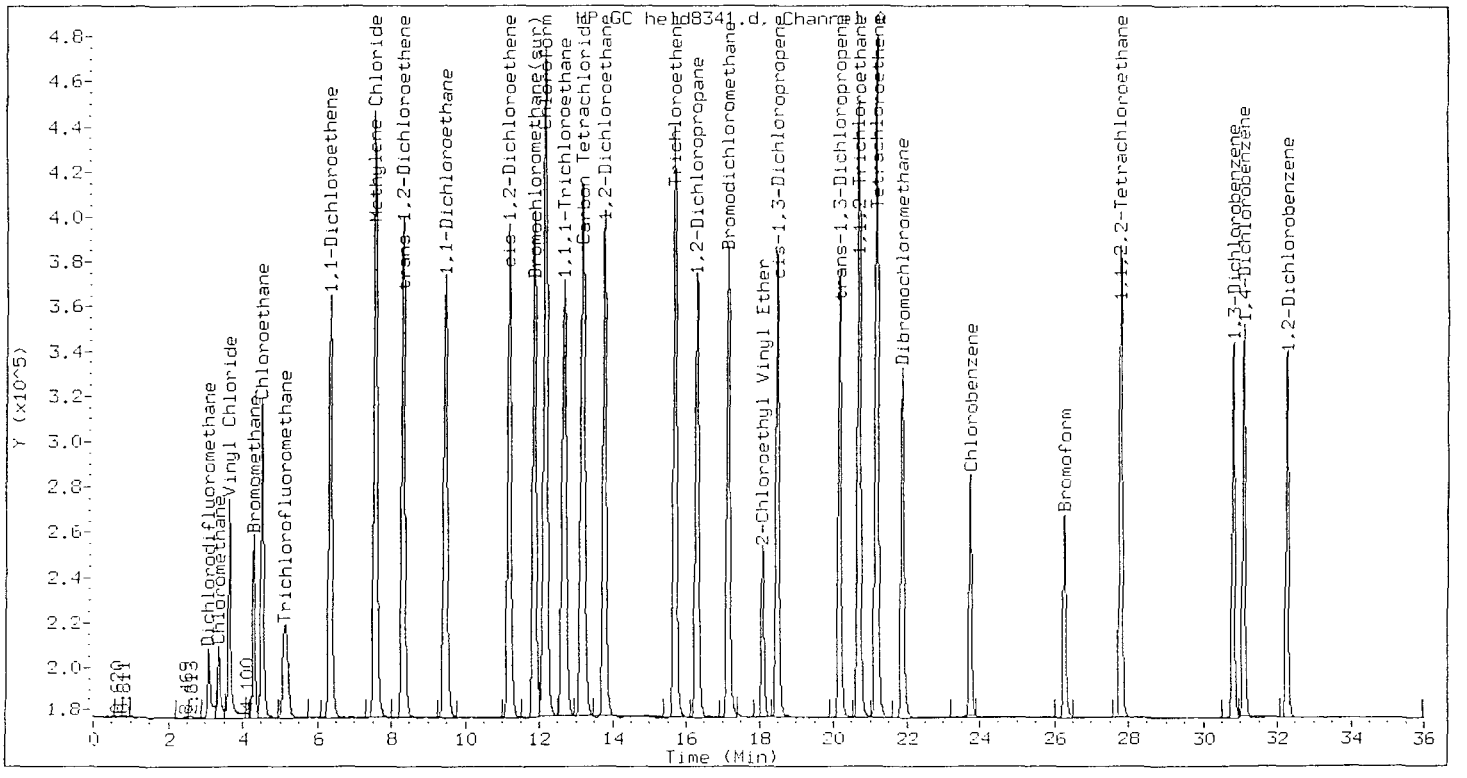
Calibration Time(s): 0933 1230

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dichlorodifluoromethane	AVRG	1382363	22*
Chloromethane	AVRG	811384	13*
Vinyl Chloride	AVRG	2584692	8.5*
Bromomethane	AVRG	2281867	15*
Chloroethane	AVRG	4381587	9.9*
Trichlorofluoromethane	AVRG	3643128	26*
1,1-Dichloroethene	AVRG	6770850	8.5*
Methylene Chloride	AVRG	8832234	3.8*
trans-1,2-Dichloroethene	AVRG	7702912	7.1*
1,1-Dichloroethane	AVRG	8062836	7.0*
cis-1,2-Dichloroethene	AVRG	8038158	8.0*
Chloroform	AVRG	11178313	4.2*
1,1,1-Trichloroethane	AVRG	8972626	6.8*
Carbon Tetrachloride	AVRG	10389639	5.6*
1,2-Dichloroethane	AVRG	7993579	7.2*
Trichloroethene	AVRG	9066626	5.5*
1,2-Dichloropropane	AVRG	7520603	6.5*
Bromodichloromethane	AVRG	7549913	8.2*
2-Chloroethyl Vinyl Ether	AVRG	2958708	17*
cis-1,3-Dichloropropene	AVRG	6827265	6.3*
trans-1,3-Dichloropropene	AVRG	6315863	8.6*
1,1,2-Trichloroethane	AVRG	8812160	5.1*
Tetrachloroethene	AVRG	9765989	5.4*
Dibromochloromethane	AVRG	5724229	11*
Chlorobenzene	AVRG	3744104	16*
Bromoform	AVRG	3806534	22*
1,1,2,2-Tetrachloroethane	AVRG	6719895	9.7*
1,3-Dichlorobenzene	AVRG	5150010	12*
1,4-Dichlorobenzene	AVRG	5416673	13*
1,2-Dichlorobenzene	AVRG	5109365	13*
Bromochloromethane(sur)	AVRG	6298503	9.6*

* Compounds with required maximum %RSD values.

307039

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8341.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : HSTD001
Lab ID : HSTD001
Inj Date : 22-AUG-2000 12:30
Operator : SP
Cpnd Sublist: 601

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

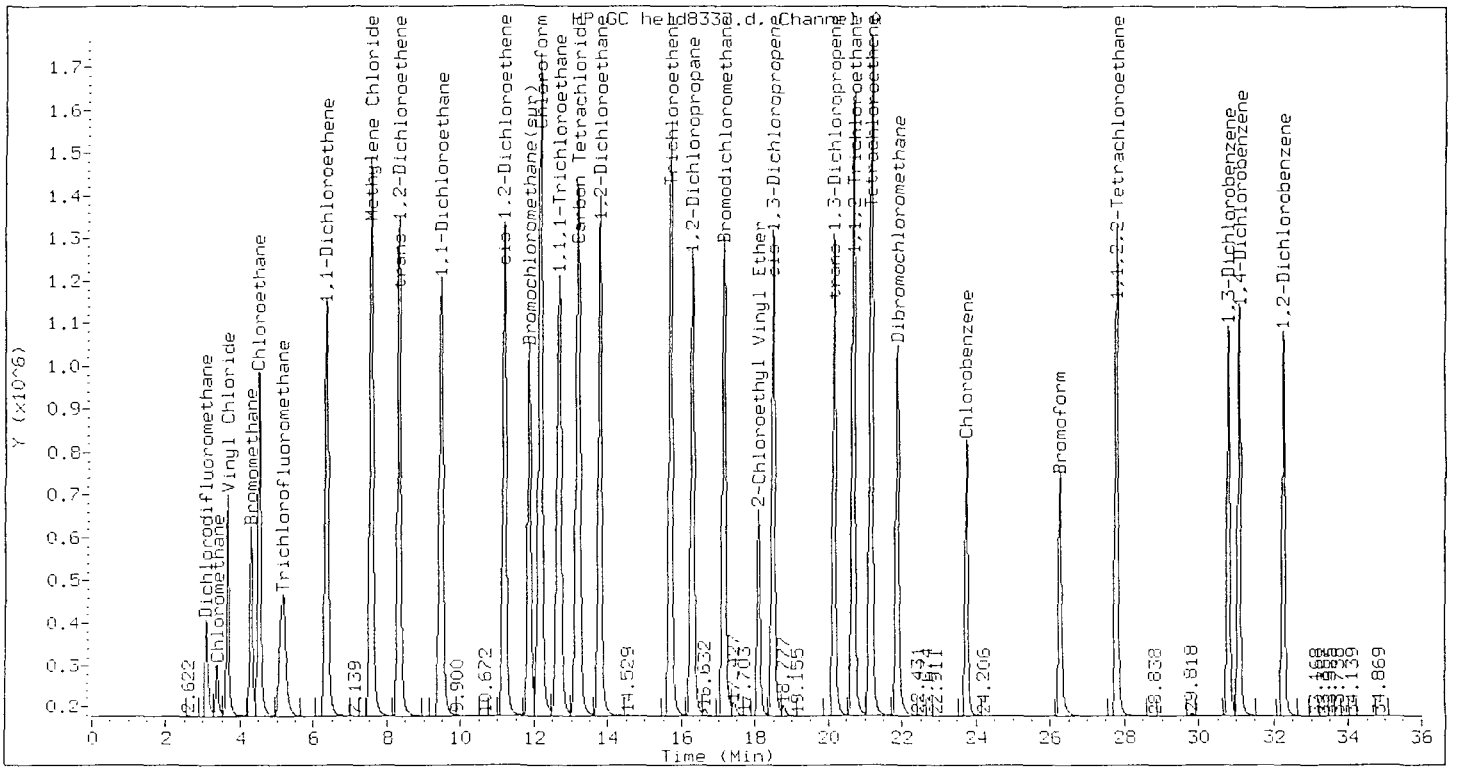
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.071	3.073	0.001	927793	1.000	1.000
Chloromethane	3.342	3.381	0.040	835761	1.000	1.000
Vinyl Chloride	3.624	3.652	0.028	2420794	1.000	1.000
Bromomethane	4.274	4.284	0.011	1814131	1.000	1.000
Chloroethane	4.501	4.492	0.009	3673993	1.000	1.000
Trichlorofluoromethane	5.128	5.143	0.015	2153898	1.000	1.000
1,1-Dichloroethene	6.330	6.342	0.011	5859434	1.000	1.000
Methylene Chloride	7.552	7.564	0.012	8476250	1.000	1.000
trans-1,2-Dichloroethene	8.308	8.316	0.007	6824932	1.000	1.000

307040

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.455	9.465	0.010	7166368	1.000	1.000
cis-1,2-Dichloroethene	11.175	11.186	0.012	7055848	1.000	1.000
Chloroform	12.148	12.162	0.014	10712905	1.000	1.000
1,1,1-Trichloroethane	12.658	12.667	0.009	8004508	1.000	1.000
Carbon Tetrachloride	13.167	13.177	0.010	9512165	1.000	1.000
1,2-Dichloroethane	13.766	13.779	0.012	7017181	1.000	1.000
Trichloroethene	15.687	15.701	0.014	8308486	1.000	1.000
1,2-Dichloropropane	16.286	16.300	0.014	6753058	1.000	1.000
Bromodichloromethane	17.147	17.157	0.011	6589191	1.000	1.000
2-Chloroethyl Vinyl Ether	18.092	18.102	0.010	2135890	1.000	1.000
cis-1,3-Dichloropropene	18.487	18.497	0.009	6128052	1.000	1.000
trans-1,3-Dichloropropene	20.161	20.170	0.009	5435171	1.000	1.000
1,1,2-Trichloroethane	20.687	20.697	0.010	8182279	1.000	1.000
Tetrachloroethene	21.163	21.176	0.012	9143375	1.000	1.000
Dibromochloromethane	21.874	21.883	0.009	4829170	1.000	1.000
Chlorobenzene	23.741	23.754	0.013	2785213	1.000	1.000
Bromoform	26.275	26.286	0.010	2507805	1.000	1.000
1,1,2,2-Tetrachloroethane	27.797	27.811	0.014	5724139	1.000	1.000
1,3-Dichlorobenzene	30.800	30.813	0.013	4152120	1.000	1.000
1,4-Dichlorobenzene	31.085	31.098	0.013	4280340	1.000	1.000
1,2-Dichlorobenzene	32.263	32.275	0.013	4057290	1.000	1.000
Bromochloromethane(sur)	11.855	11.866	0.012	7156402	1.000	1.000

307041

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8337.d Page 1
Report Date 08/23/2000 08:06



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : HSTD005
Lab ID : HSTD005
Inj Date : 22-AUG-2000 09:33
Operator : SP
Cpnd Sublist: 601

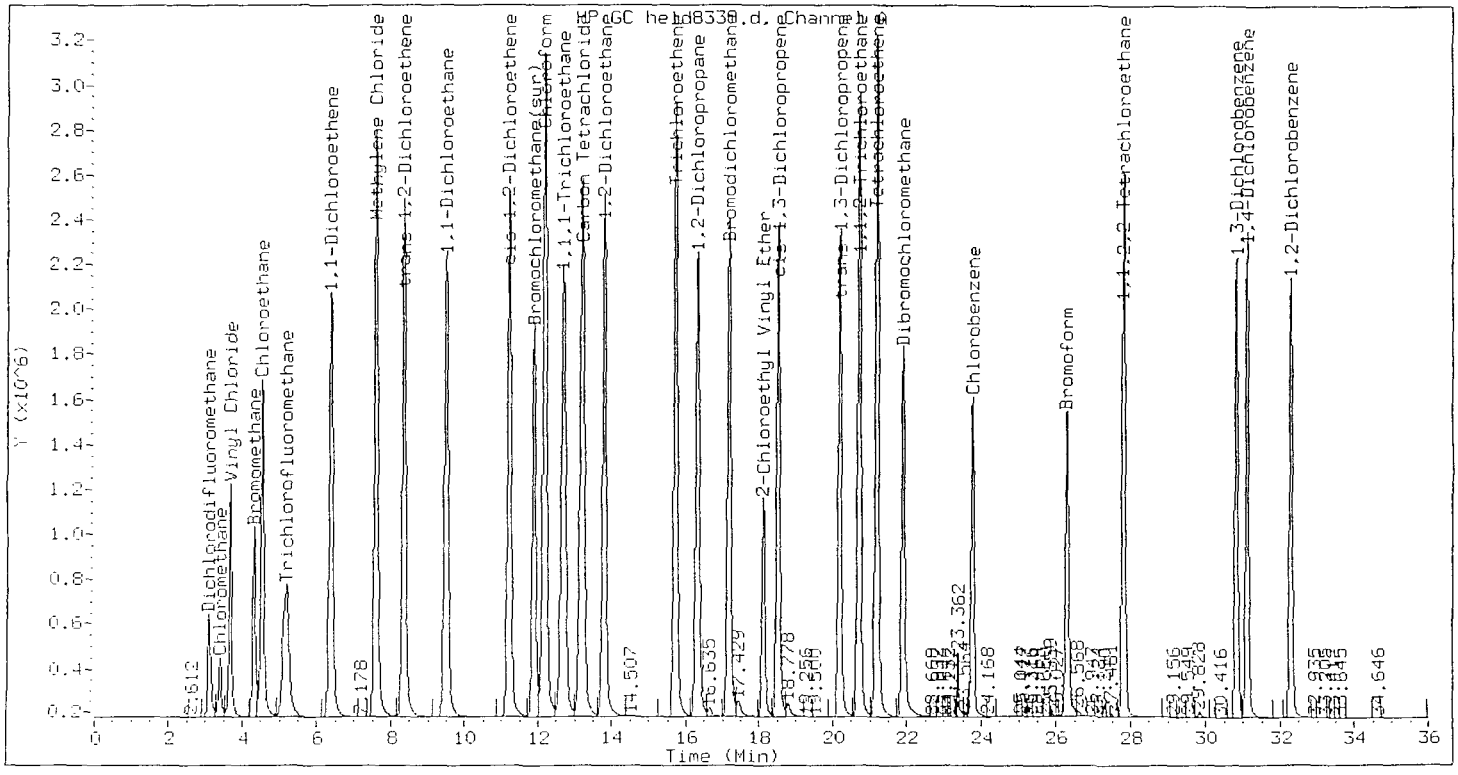
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_2

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.076	3.073	0.003	6442363	4.660	4.660
Chloromethane	3.367	3.381	0.014	3406010	4.198	4.198
Vinyl Chloride	3.644	3.652	0.008	12207561	4.723	4.723
Bromomethane	4.281	4.284	0.003	11035408	4.836	4.836
Chloroethane	4.503	4.492	0.011	23521575	5.368	5.368
Trichlorofluoromethane	5.164	5.143	0.020	17565500	4.822	4.822
1,1-Dichloroethene	6.342	6.342	0.000	33789595	4.990	4.990
Methylene Chloride	7.558	7.564	0.006	43999407	4.982	4.982
trans-1,2-Dichloroethene	8.313	8.316	0.003	38618022	5.013	5.013

307042

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.460	9.465	0.005	40171400	4.982	4.982
cis-1,2-Dichloroethene	11.180	11.186	0.006	40002082	4.977	4.977
Chloroform	12.152	12.162	0.011	57157040	5.113	5.113
1,1,1-Trichloroethane	12.664	12.667	0.003	45663855	5.089	5.089
Carbon Tetrachloride	13.171	13.177	0.006	53304598	5.131	5.131
1,2-Dichloroethane	13.770	13.779	0.008	40882478	5.114	5.114
Trichloroethene	15.692	15.701	0.009	45687062	5.039	5.039
1,2-Dichloropropane	16.290	16.300	0.011	37801933	5.026	5.026
Bromodichloromethane	17.149	17.157	0.008	37562377	4.975	4.975
2-Chloroethyl Vinyl Ether	18.094	18.102	0.008	14719050	4.975	4.975
cis-1,3-Dichloropropene	18.489	18.497	0.008	34266900	5.019	5.019
trans-1,3-Dichloropropene	20.160	20.170	0.010	31754183	5.028	5.028
1,1,2-Trichloroethane	20.688	20.697	0.009	45114691	5.120	5.120
Tetrachloroethene	21.164	21.176	0.012	50323194	5.153	5.153
Dibromochloromethane	21.874	21.883	0.009	27694616	4.838	4.838
Chlorobenzene	23.742	23.754	0.012	18020719	4.813	4.813
Bromoform	26.276	26.286	0.009	17270866	4.537	4.537
1,1,2,2-Tetrachloroethane	27.801	27.811	0.010	33323771	4.959	4.959
1,3-Dichlorobenzene	30.802	30.813	0.011	24782390	4.812	4.812
1,4-Dichlorobenzene	31.087	31.098	0.011	26330492	4.861	4.861
1,2-Dichlorobenzene	32.264	32.275	0.011	24500832	4.795	4.795
Bromochloromethane(sur)	11.857	11.866	0.009	28721300	4.560	4.560

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8338.d Page 1
Report Date 08/23/2000 08:06



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : HSTD010
Lab ID : HSTD010
Inj Date : 22-AUG-2000 10:17
Operator : SP
Cpnd Sublist: 601

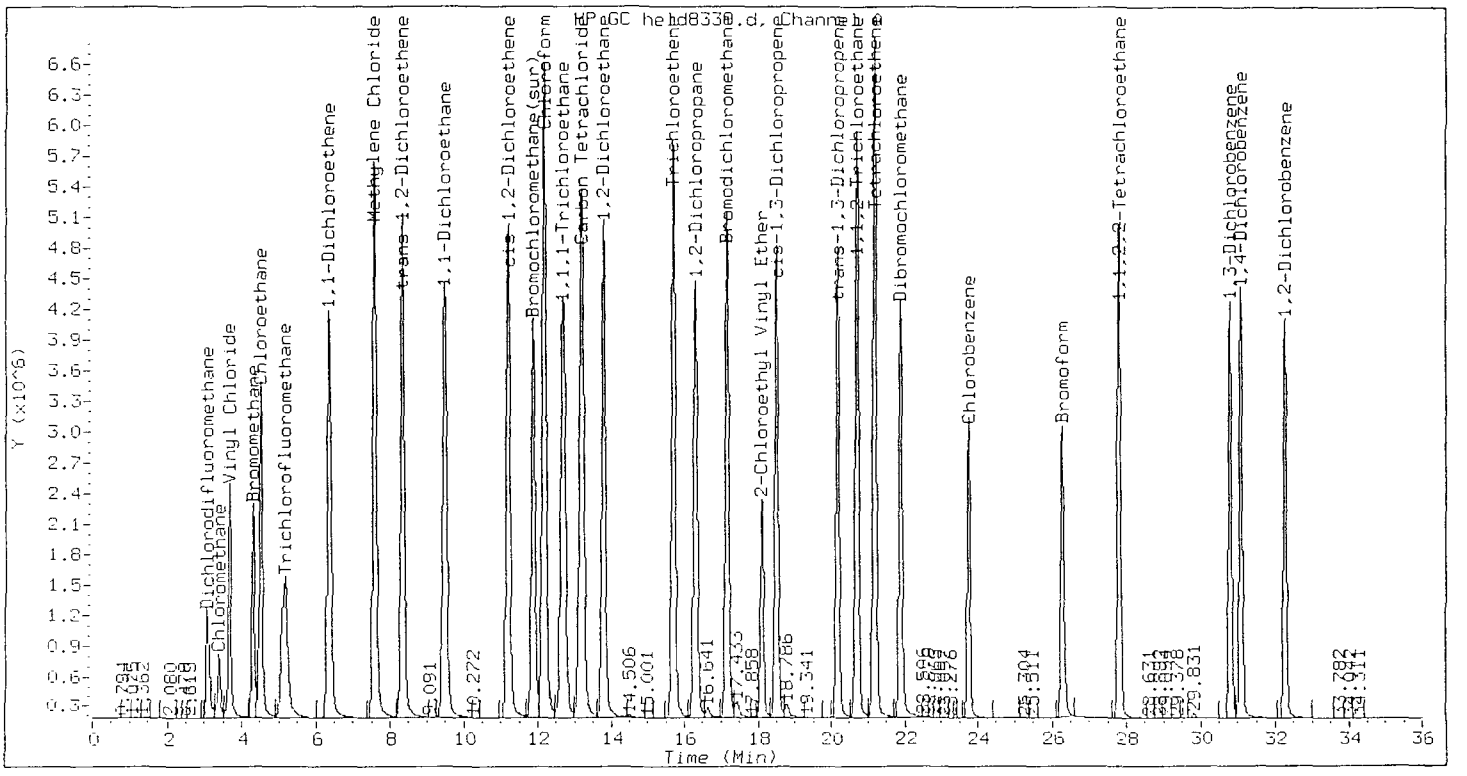
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.071	3.073	0.002	13871361	9.867	9.867
Chloromethane	3.375	3.381	0.006	7295239	8.644	8.644
Vinyl Chloride	3.644	3.652	0.008	24139373	9.212	9.212
Bromomethane	4.285	4.284	0.000	21792598	9.473	9.473
Chloroethane	4.499	4.492	0.007	44389432	10.321	10.321
Trichlorofluoromethane	5.155	5.143	0.012	36450413	9.917	9.917
1,1-Dichloroethene	6.342	6.342	0.000	67753015	10.002	10.002
Methylene Chloride	7.556	7.564	0.008	88507935	10.012	10.012
trans-1,2-Dichloroethene	8.312	8.316	0.004	78105182	10.147	10.147

307044

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.462	9.465	0.002	81722938	10.127	10.127
cis-1,2-Dichloroethene	11.181	11.186	0.006	81696631	10.152	10.152
Chloroform	12.156	12.162	0.007	113013362	10.168	10.168
1,1,1-Trichloroethane	12.663	12.667	0.004	90512506	10.133	10.133
Carbon Tetrachloride	13.172	13.177	0.005	104149131	10.090	10.090
1,2-Dichloroethane	13.771	13.779	0.007	80860887	10.174	10.174
Trichloroethene	15.693	15.701	0.008	91166904	10.075	10.075
1,2-Dichloropropane	16.292	16.300	0.008	74801131	9.959	9.959
Bromodichloromethane	17.151	17.157	0.006	74790362	9.894	9.894
2-Chloroethyl Vinyl Ether	18.094	18.102	0.008	29901485	10.094	10.094
cis-1,3-Dichloropropene	18.491	18.497	0.005	68730578	10.077	10.077
trans-1,3-Dichloropropene	20.163	20.170	0.007	63363099	10.046	10.046
1,1,2-Trichloroethane	20.692	20.697	0.006	88356148	10.087	10.087
Tetrachloroethene	21.168	21.176	0.008	97274945	10.037	10.037
Dibromochloromethane	21.877	21.883	0.007	55098608	9.548	9.548
Chlorobenzene	23.748	23.754	0.006	42028908	11.121	11.121
Bromoform	26.282	26.286	0.004	42500937	10.913	10.913
1,1,2,2-Tetrachloroethane	27.807	27.811	0.005	73245057	10.877	10.877
1,3-Dichlorobenzene	30.812	30.813	0.001	55777682	10.730	10.730
1,4-Dichlorobenzene	31.096	31.098	0.002	58883247	10.796	10.796
1,2-Dichlorobenzene	32.276	32.275	0.001	55948818	10.839	10.839
Bromochloromethane(sur)	11.860	11.866	0.006	57622671	8.952	8.952

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8339.d Page 1
Report Date 08/23/2000 08:06



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : HSTD020
Lab ID : HSTD020
Inj Date : 22-AUG-2000 11:01
Operator : SP
Cpnd Sublist: 601

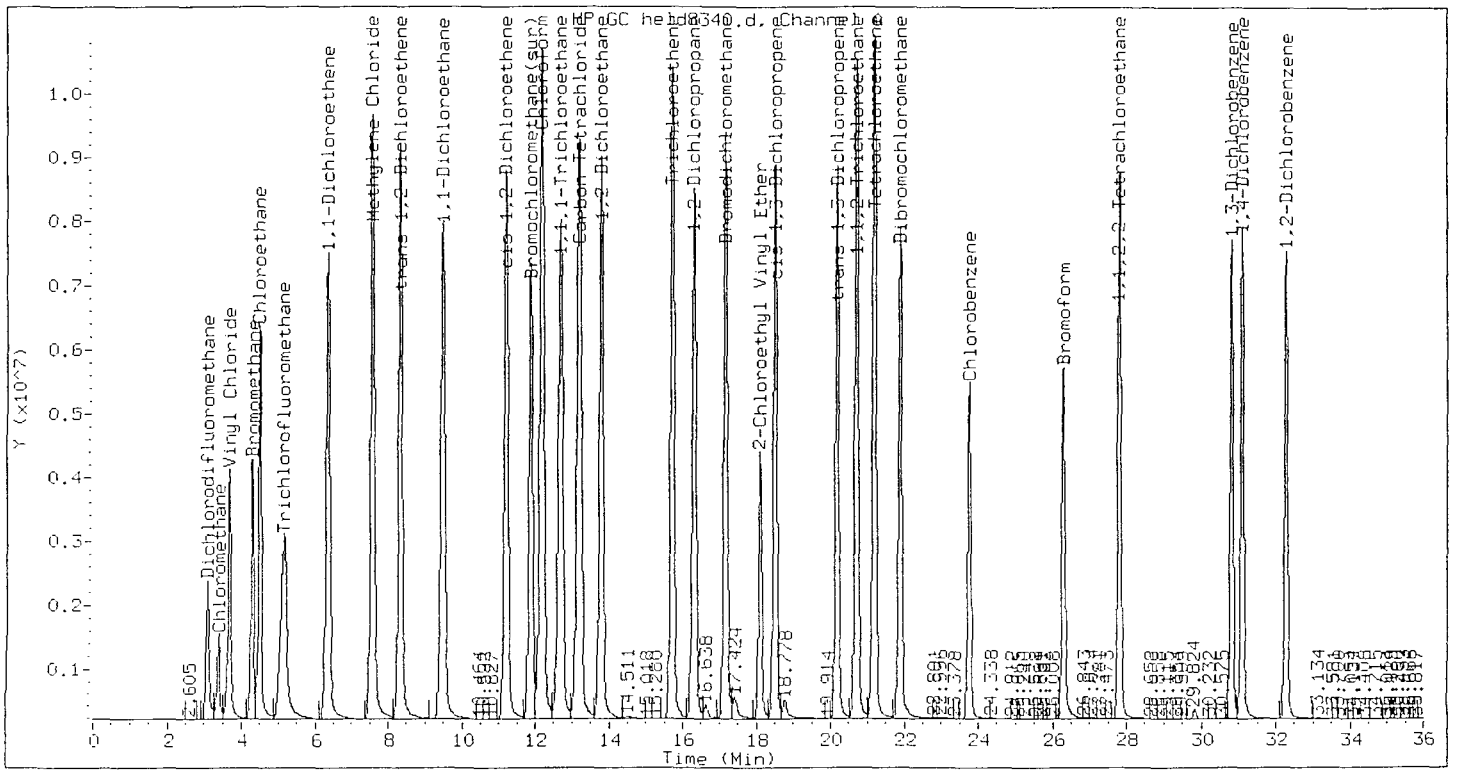
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.073	3.073	0.000	34078465	24.134	24.134
Chloromethane	3.381	3.381	0.000	17972123	20.375	20.375
Vinyl Chloride	3.652	3.652	0.000	56993453	21.192	21.192
Bromomethane	4.284	4.284	0.000	54015270	23.074	23.074
Chloroethane	4.492	4.492	0.000	95277270	22.392	22.392
Trichlorofluoromethane	5.143	5.143	0.000	86295504	23.413	23.413
1,1-Dichloroethene	6.342	6.342	0.000	148502026	21.923	21.923
Methylene Chloride	7.564	7.564	0.000	187314178	21.197	21.197
trans-1,2-Dichloroethene	8.316	8.316	0.000	166957081	21.796	21.796

307046

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.465	9.465	0.000	174801510	21.753	21.753
cis-1,2-Dichloroethene	11.186	11.186	0.000	176834325	22.085	22.085
Chloroform	12.162	12.162	0.000	235312525	21.290	21.290
1,1,1-Trichloroethane	12.667	12.667	0.000	193643723	21.775	21.775
Carbon Tetrachloride	13.177	13.177	0.000	221910938	21.564	21.564
1,2-Dichloroethane	13.779	13.779	0.000	171297607	21.678	21.678
Trichloroethene	15.701	15.701	0.000	194353031	21.532	21.532
1,2-Dichloropropane	16.300	16.300	0.000	161938540	21.532	21.532
Bromodichloromethane	17.157	17.157	0.000	164691082	21.710	21.710
2-Chloroethyl Vinyl Ether	18.102	18.102	0.000	68266753	23.116	23.116
cis-1,3-Dichloropropene	18.497	18.497	0.000	145868315	21.441	21.441
trans-1,3-Dichloropropene	20.170	20.170	0.000	138261470	21.955	21.955
1,1,2-Trichloroethane	20.697	20.697	0.000	187883067	21.511	21.511
Tetrachloroethene	21.176	21.176	0.000	209581632	21.653	21.653
Dibromochloromethane	21.883	21.883	0.000	128894945	22.005	22.005
Chlorobenzene	23.754	23.754	0.000	82102640	22.569	22.569
Bromoform	26.286	26.286	0.000	88186086	23.354	23.354
1,1,2,2-Tetrachloroethane	27.811	27.811	0.000	145822180	22.308	22.308
1,3-Dichlorobenzene	30.813	30.813	0.000	114379821	22.552	22.552
1,4-Dichlorobenzene	31.098	31.098	0.000	120271467	22.651	22.651
1,2-Dichlorobenzene	32.275	32.275	0.000	112818005	22.486	22.486
Bromochloromethane(sur)	11.866	11.866	0.000	132844551	19.941	19.941

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8340.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : HSTD040
Lab ID : HSTD040
Inj Date : 22-AUG-2000 11:45
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 (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.063	3.073	0.010	64179583	50.689	50.689
Chloromethane	3.377	3.381	0.004	36473117	41.741	41.741
Vinyl Chloride	3.645	3.652	0.007	111901808	42.888	42.888
Bromomethane	4.264	4.284	0.020	100323977	46.422	46.422
Chloroethane	4.465	4.492	0.027	173072907	43.264	43.264
Trichlorofluoromethane	5.123	5.143	0.020	183552984	54.445	54.445
1,1-Dichloroethene	6.326	6.342	0.016	281459858	43.651	43.651
Methylene Chloride	7.546	7.564	0.018	346741447	40.449	40.449
trans-1,2-Dichloroethene	8.302	8.316	0.013	312305980	42.686	42.686

307048

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.455	9.465	0.010	328046572	42.693	42.693
cis-1,2-Dichloroethene	11.173	11.186	0.013	324925823	42.813	42.813
Chloroform	12.155	12.162	0.008	427211622	39.939	39.939
1,1,1-Trichloroethane	12.660	12.667	0.007	359696631	42.325	42.325
Carbon Tetrachloride	13.169	13.177	0.008	410585970	41.522	41.522
1,2-Dichloroethane	13.770	13.779	0.009	324930002	42.922	42.922
Trichloroethene	15.690	15.701	0.011	362115676	41.715	41.715
1,2-Dichloropropane	16.293	16.300	0.008	308501140	42.653	42.653
Bromodichloromethane	17.151	17.157	0.007	317372322	43.705	43.705
2-Chloroethyl Vinyl Ether	18.093	18.102	0.009	132414220	48.626	48.626
cis-1,3-Dichloropropene	18.493	18.497	0.004	279536816	42.624	42.624
trans-1,3-Dichloropropene	20.166	20.170	0.005	261756989	43.702	43.702
1,1,2-Trichloroethane	20.695	20.697	0.002	345032605	41.056	41.056
Tetrachloroethene	21.171	21.176	0.005	376614156	40.586	40.586
Dibromochloromethane	21.882	21.883	0.002	251937784	45.282	45.282
Chlorobenzene	23.749	23.754	0.005	160925697	47.273	47.273
Bromoform	26.282	26.286	0.004	176451711	51.004	51.004
1,1,2,2-Tetrachloroethane	27.806	27.811	0.005	263798614	42.828	42.828
1,3-Dichlorobenzene	30.809	30.813	0.004	213787747	45.023	45.023
1,4-Dichlorobenzene	31.095	31.098	0.003	225401218	45.465	45.465
1,2-Dichlorobenzene	32.272	32.275	0.003	214143443	45.510	45.510
Bromochloromethane(sur)	11.856	11.866	0.010	247494254	37.095	37.095

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 08/25/00 08/25/00

Calibration Time(s): 1520 2207

LAB FILE ID: RRF1: HELD8368 RRF5: HELD8360 RRF10: HELD8363
RRF20: HELD8367 RRF40: HELD8366

COMPOUND	RRF1	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	1561716	1419122	1510010	1607700	1495922
Chloromethane	1146744	682030	801893	834765	745722
Vinyl Chloride	3019501	2187317	2446494	2483358	2270450
Bromomethane	2345253	2032593	2413656	2384813	2250682
Chloroethane	4436119	4054340	4271606	4106821	3657065
Trichlorofluoromethane	3712787	3935718	4444214	4544970	4262021
1,1-Dichloroethene	6855896	6078145	6637630	6654604	5866479
Methylene Chloride	9657776	7638393	8175188	8212784	7306497
trans-1,2-Dichloroethene	7958496	6603516	7272885	7317671	6568753
1,1-Dichloroethane	8152699	6808505	7601644	7662086	6902086
cis-1,2-Dichloroethene	8033787	7070382	7446362	7531057	6854994
Chloroform	11265349	9733241	10187462	10061454	8941889
1,1,1-Trichloroethane	9127356	7782007	8335235	8319772	7552811
Carbon Tetrachloride	10628824	9088528	9699817	9638860	8673413
1,2-Dichloroethane	8470116	7023568	7537499	7567736	6786438
Trichloroethene	9341953	7827963	8592906	8677579	7588041
1,2-Dichloropropane	7603816	6443374	7036782	7035215	6368604
Bromodichloromethane	7527093	6521002	7189669	7216983	6611928
2-Chloroethyl Vinyl Ether	3250629	2699867	3011217	3096909	2848071
cis-1,3-Dichloropropene	6780182	5976874	6453798	6308800	5721194
trans-1,3-Dichloropropene	6258832	5565878	6095485	5982259	5443623
1,1,2-Trichloroethane	9180905	7772688	8262741	8203623	7275775
Tetrachloroethene	9900606	8546778	9082366	8980241	7755097
Dibromochloromethane	5939910	5306870	5675751	5785761	5311679
Chlorobenzene	4085627	3219334	3545596	3634222	3332634
Bromoform	3784122	3285925	3776614	3941409	3736464
1,1,2,2-Tetrachloroethane	6674218	6031611	6324105	6123567	5712009
1,3-Dichlorobenzene	4830614	4412624	4777420	4794142	4469062
1,4-Dichlorobenzene	5549234	4739218	5159658	5116913	4637722
1,2-Dichlorobenzene	5160971	4446784	4844445	4842706	4511492
Bromochloromethane(sur)	6812924	7358977	5486101	5707444	5229422

307050

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC2 Calibration Date(s): 08/25/00 08/25/00

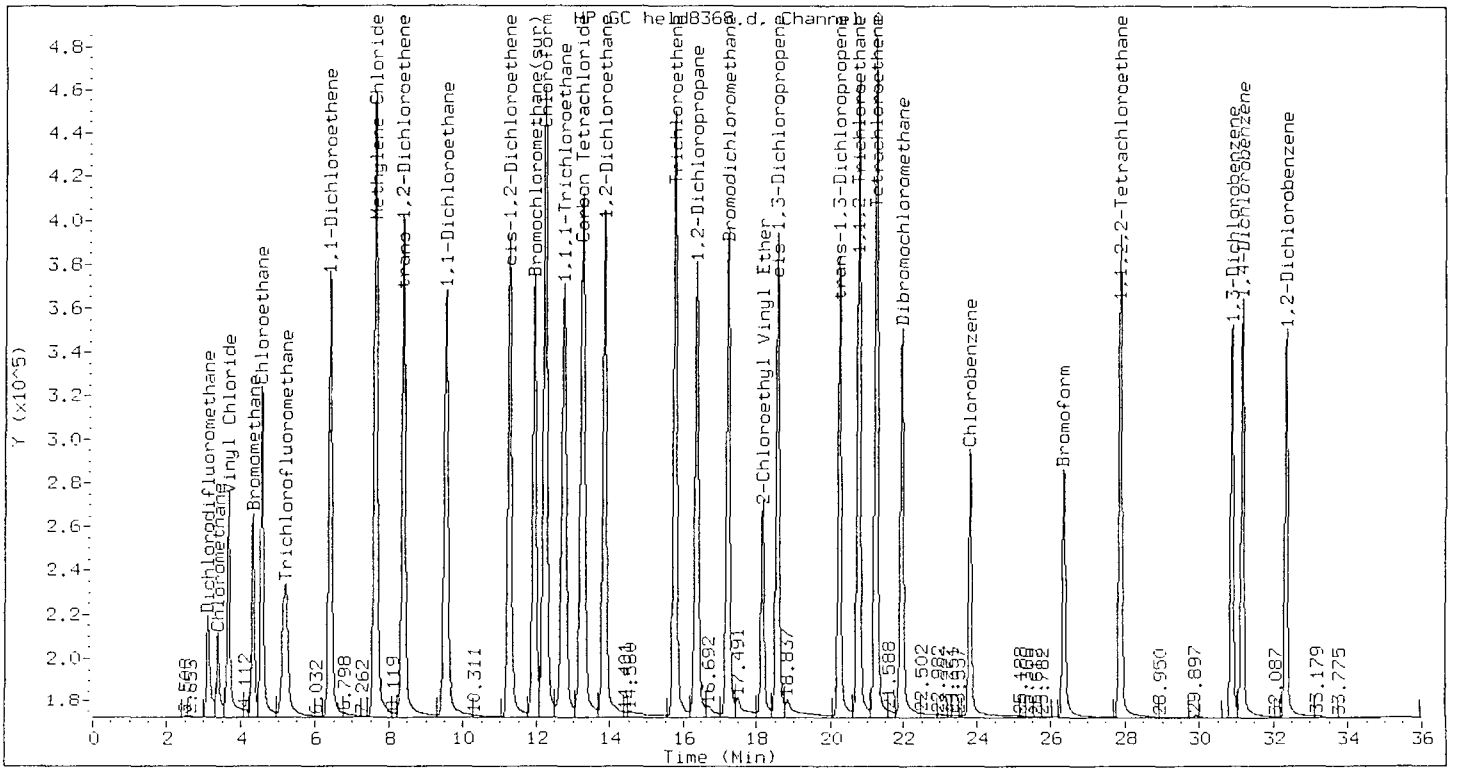
Calibration Time(s): 1520 2207

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dichlorodifluoromethane	AVRG	1518894	4.7*
Chloromethane	AVRG	842231	21*
Vinyl Chloride	AVRG	2481424	13*
Bromomethane	AVRG	2285399	6.7*
Chloroethane	AVRG	4105190	7.1*
Trichlorofluoromethane	AVRG	4179942	8.4*
1,1-Dichloroethene	AVRG	6418551	6.6*
Methylene Chloride	AVRG	8198128	11*
trans-1,2-Dichloroethene	AVRG	7144264	8.1*
1,1-Dichloroethane	AVRG	7425404	7.6*
cis-1,2-Dichloroethene	AVRG	7387316	6.2*
Chloroform	AVRG	10037879	8.4*
1,1,1-Trichloroethane	AVRG	8223436	7.4*
Carbon Tetrachloride	AVRG	9545888	7.7*
1,2-Dichloroethane	AVRG	7477071	8.7*
Trichloroethene	AVRG	8405688	8.4*
1,2-Dichloropropane	AVRG	6897558	7.3*
Bromodichloromethane	AVRG	7013335	6.1*
2-Chloroethyl Vinyl Ether	AVRG	2981339	7.2*
cis-1,3-Dichloropropene	AVRG	6248170	6.6*
trans-1,3-Dichloropropene	AVRG	5869215	6.0*
1,1,2-Trichloroethane	AVRG	8139146	8.6*
Tetrachloroethene	AVRG	8853018	8.9*
Dibromochloromethane	AVRG	5603994	5.1*
Chlorobenzene	AVRG	3563482	9.4*
Bromoform	AVRG	3704907	6.7*
1,1,2,2-Tetrachloroethane	AVRG	6173102	5.8*
1,3-Dichlorobenzene	AVRG	4656772	4.3*
1,4-Dichlorobenzene	AVRG	5040549	7.2*
1,2-Dichlorobenzene	AVRG	4761280	6.1*
Bromochloromethane(sur)	AVRG	6118974	15*

* Compounds with required maximum %RSD values.

307051

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/held8368.d Page 1
Report Date 08/28/2000 09:01



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/8021BEHIGH.m
Sample Info : HSTD001
Lab ID : HSTD001
Inj Date : 25-AUG-2000 22:07
Operator : SP
Cpnd Sublist: 601

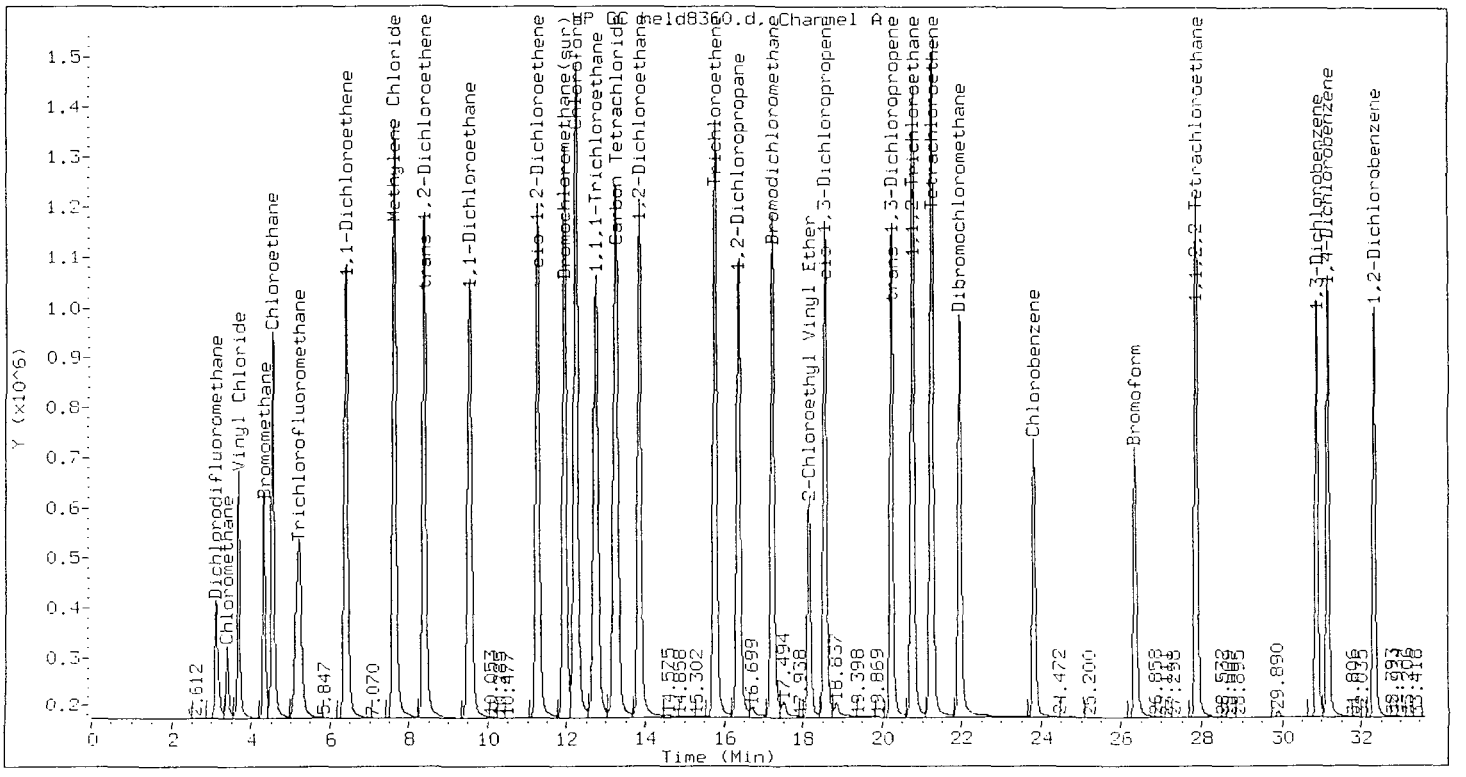
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.098	3.092	0.005	1561716	1.028	1.028
Chloromethane	3.366	3.388	0.022	1146744	1.362	1.362
Vinyl Chloride	3.652	3.666	0.014	3019501	1.217	1.217
Bromomethane	4.308	4.304	0.004	2345253	1.026	1.026
Chloroethane	4.538	4.520	0.018	4436119	1.081	1.081
Trichlorofluoromethane	5.169	5.176	0.007	3712787	0.888	0.888
1,1-Dichloroethene	6.377	6.373	0.005	6855896	1.068	1.068
Methylene Chloride	7.606	7.603	0.003	9657776	1.178	1.178
trans-1,2-Dichloroethene	8.368	8.362	0.006	7958496	1.114	1.114

307052

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.518	9.514	0.004	8152699	1.098	1.098
cis-1,2-Dichloroethene	11.241	11.237	0.004	8033787	1.088	1.088
Chloroform	12.212	12.210	0.002	11265349	1.122	1.122
1,1,1-Trichloroethane	12.727	12.723	0.004	9127356	1.110	1.110
Carbon Tetrachloride	13.237	13.232	0.005	10628824	1.113	1.113
1,2-Dichloroethane	13.830	13.826	0.004	8470116	1.133	1.133
Trichloroethene	15.751	15.748	0.003	9341953	1.111	1.111
1,2-Dichloropropane	16.351	16.349	0.003	7603816	1.102	1.102
Bromodichloromethane	17.211	17.209	0.002	7527093	1.073	1.073
2-Chloroethyl Vinyl Ether	18.154	18.150	0.004	3250629	1.090	1.090
cis-1,3-Dichloropropene	18.553	18.549	0.003	6780182	1.085	1.085
trans-1,3-Dichloropropene	20.226	20.221	0.005	6258832	1.066	1.066
1,1,2-Trichloroethane	20.754	20.751	0.003	9180905	1.128	1.128
Tetrachloroethene	21.232	21.231	0.001	9900606	1.118	1.118
Dibromochloromethane	21.944	21.941	0.003	5939910	1.060	1.060
Chlorobenzene	23.813	23.811	0.003	4085627	1.147	1.147
Bromoform	26.351	26.346	0.004	3784122	1.021	1.021
1,1,2,2-Tetrachloroethane	27.872	27.869	0.003	6674218	1.081	1.081
1,3-Dichlorobenzene	30.880	30.878	0.003	4830614	1.037	1.037
1,4-Dichlorobenzene	31.166	31.163	0.003	5549234	1.101	1.101
1,2-Dichlorobenzene	32.345	32.342	0.003	5160971	1.084	1.084
Bromochloromethane(sur)	11.921	11.916	0.005	6812924	1.113	1.113

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/held8360.d Page 1
Report Date 08/28/2000 09:00



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/8021BEHIGH.m
Sample Info : HSTD005
Lab ID : HSTD005
Inj Date : 25-AUG-2000 15:20
Operator : SP
Cpnd Sublist: 601

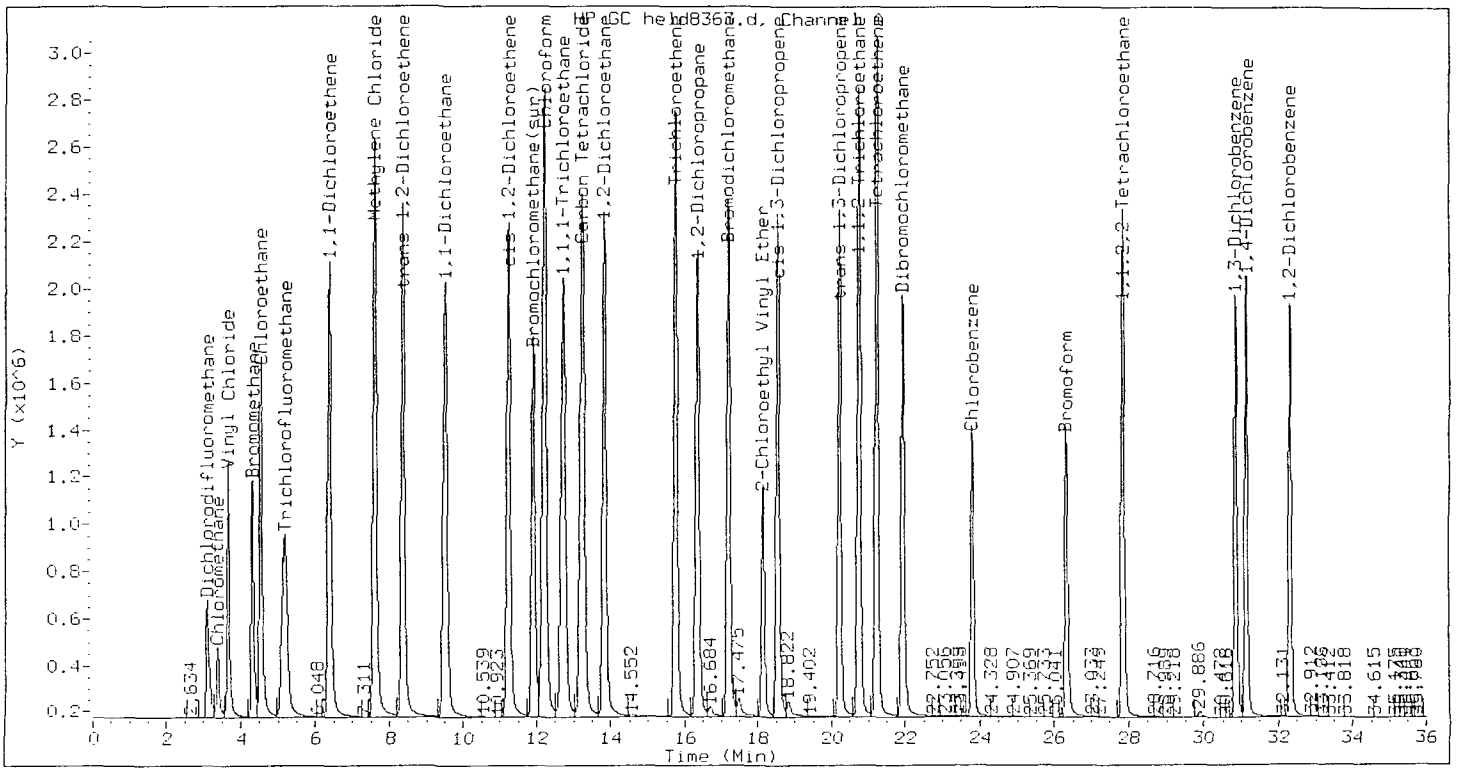
Inst ID : VOAGC2.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_2

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.097	3.092	0.005	7095609	5.000	5.000
Chloromethane	3.383	3.388	0.005	3410149	5.000	5.000
Vinyl Chloride	3.666	3.666	0.000	10936585	5.000	5.000
Bromomethane	4.308	4.304	0.005	10162964	5.000	5.000
Chloroethane	4.529	4.520	0.009	20271702	5.000	5.000
Trichlorofluoromethane	5.202	5.176	0.027	19678591	5.000	5.000
1,1-Dichloroethene	6.385	6.373	0.012	30390723	5.000	5.000
Methylene Chloride	7.609	7.603	0.007	38191966	5.000	5.000
trans-1,2-Dichloroethene	8.369	8.362	0.007	33017581	5.000	5.000

307054

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.522	9.514	0.008	34042524	5.000	5.000
cis-1,2-Dichloroethene	11.243	11.237	0.007	35351911	5.000	5.000
Chloroform	12.217	12.210	0.007	48666203	5.000	5.000
1,1,1-Trichloroethane	12.730	12.723	0.007	38910036	5.000	5.000
Carbon Tetrachloride	13.240	13.232	0.008	45442638	5.000	5.000
1,2-Dichloroethane	13.836	13.826	0.010	35117838	5.000	5.000
Trichloroethene	15.755	15.748	0.008	39139815	5.000	5.000
1,2-Dichloropropane	16.355	16.349	0.006	32216870	5.000	5.000
Bromodichloromethane	17.213	17.209	0.004	32605011	5.000	5.000
2-Chloroethyl Vinyl Ether	18.154	18.150	0.004	13499337	5.000	5.000
cis-1,3-Dichloropropene	18.553	18.549	0.004	29884370	5.000	5.000
trans-1,3-Dichloropropene	20.224	20.221	0.003	27829391	5.000	5.000
1,1,2-Trichloroethane	20.753	20.751	0.002	38863439	5.000	5.000
Tetrachloroethene	21.231	21.231	0.000	42733892	5.000	5.000
Dibromochloromethane	21.941	21.941	0.000	26534351	5.000	5.000
Chlorobenzene	23.810	23.811	0.001	16096669	5.000	5.000
Bromoform	26.346	26.346	0.001	16429626	5.000	5.000
1,1,2,2-Tetrachloroethane	27.867	27.869	0.002	30158057	5.000	5.000
1,3-Dichlorobenzene	30.873	30.878	0.005	22063119	5.000	5.000
1,4-Dichlorobenzene	31.158	31.163	0.005	23696090	5.000	5.000
1,2-Dichlorobenzene	32.337	32.342	0.005	22233920	5.000	5.000
Bromochloromethane(sur)	11.924	11.916	0.008	36794884	5.000	5.000

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/held8363.d Page 1
Report Date 08/28/2000 09:00



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/8021BEHIGH.m
Sample Info : HSTD010
Lab ID : HSTD010
Inj Date : 25-AUG-2000 18:15
Operator : SP
Cpnd Sublist: 601

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

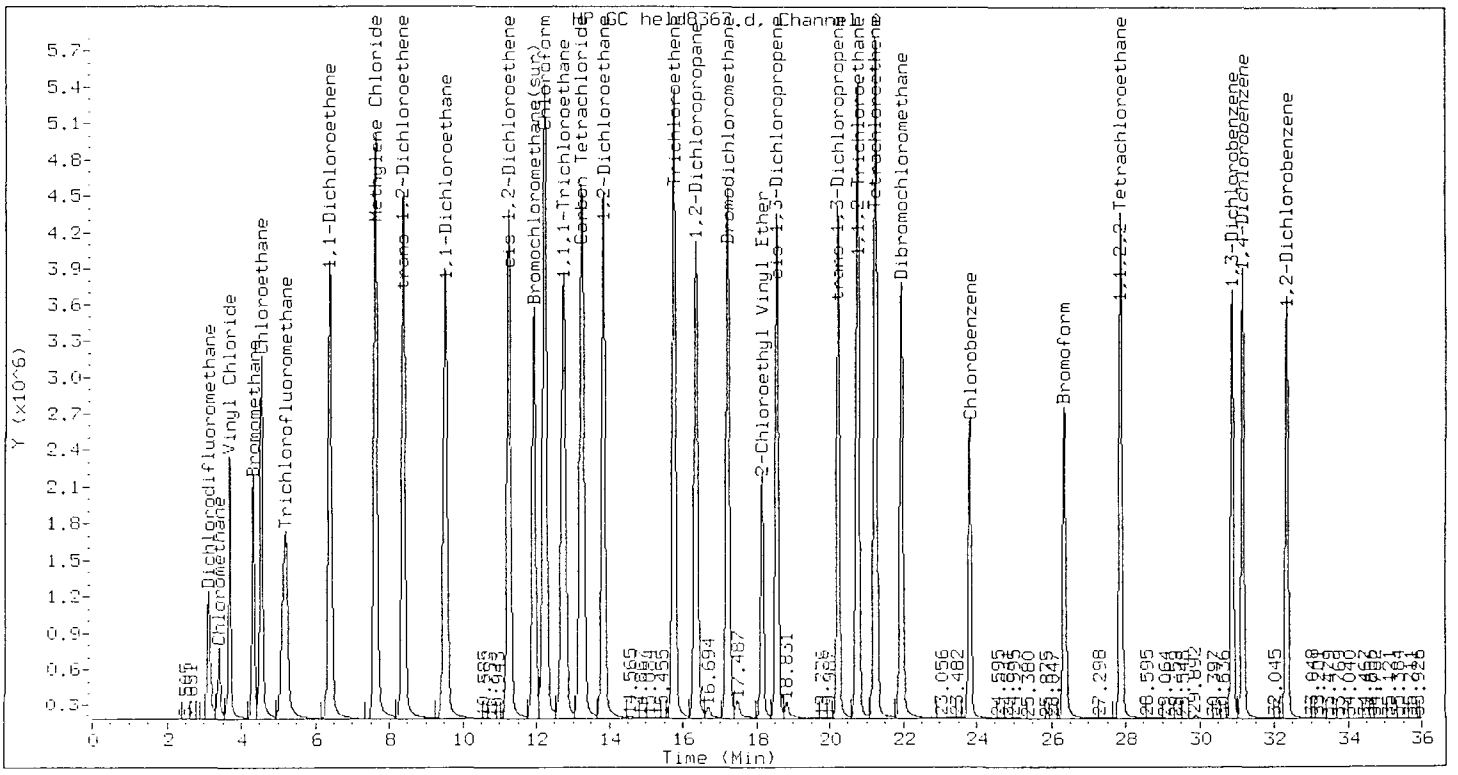
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.090	3.092	0.002	15100101	10.310	10.310
Chloromethane	3.376	3.388	0.012	8018934	10.808	10.808
Vinyl Chloride	3.657	3.666	0.009	24464939	10.559	10.559
Bromomethane	4.300	4.304	0.004	24136557	10.857	10.857
Chloroethane	4.522	4.520	0.002	42716058	10.261	10.261
Trichlorofluoromethane	5.171	5.176	0.005	44442144	10.607	10.607
1,1-Dichloroethene	6.362	6.373	0.011	66376301	10.440	10.440
Methylene Chloride	7.589	7.603	0.013	81751881	10.339	10.339
trans-1,2-Dichloroethene	8.349	8.362	0.013	72728853	10.482	10.482

307056

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.501	9.514	0.013	76016444	10.550	10.550
cis-1,2-Dichloroethene	11.223	11.237	0.014	74463615	10.259	10.259
Chloroform	12.196	12.210	0.013	101874620	10.228	10.228
1,1,1-Trichloroethane	12.711	12.723	0.012	83352348	10.343	10.343
Carbon Tetrachloride	13.220	13.232	0.012	96998173	10.325	10.325
1,2-Dichloroethane	13.815	13.826	0.011	75374989	10.353	10.353
Trichloroethene	15.737	15.748	0.011	85929064	10.466	10.466
1,2-Dichloropropane	16.338	16.349	0.010	70367823	10.440	10.440
Bromodichloromethane	17.198	17.209	0.010	71896694	10.488	10.488
2-Chloroethyl Vinyl Ether	18.141	18.150	0.009	30112173	10.545	10.545
cis-1,3-Dichloropropene	18.540	18.549	0.009	64537976	10.384	10.384
trans-1,3-Dichloropropene	20.213	20.221	0.008	60954852	10.454	10.454
1,1,2-Trichloroethane	20.743	20.751	0.008	82627414	10.306	10.306
Tetrachloroethene	21.222	21.231	0.009	90823657	10.304	10.304
Dibromochloromethane	21.933	21.941	0.008	56757510	10.336	10.336
Chlorobenzene	23.803	23.811	0.007	35455957	10.482	10.482
Bromoform	26.340	26.346	0.007	37766138	10.695	10.695
1,1,2,2-Tetrachloroethane	27.863	27.869	0.006	63241049	10.237	10.237
1,3-Dichlorobenzene	30.870	30.878	0.008	47774204	10.397	10.397
1,4-Dichlorobenzene	31.155	31.163	0.008	51596580	10.425	10.425
1,2-Dichlorobenzene	32.334	32.342	0.007	48444450	10.428	10.428
Bromochloromethane(sur)	11.904	11.916	0.012	54861013	8.542	8.542

307057

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/held8367.d Page 1
Report Date 08/28/2000 09:01



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/8021BEHIGH.m
Sample Info : HSTD020
Lab ID : HSTD020
Inj Date : 25-AUG-2000 21:21
Operator : SP
Cpnd Sublist: 601

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

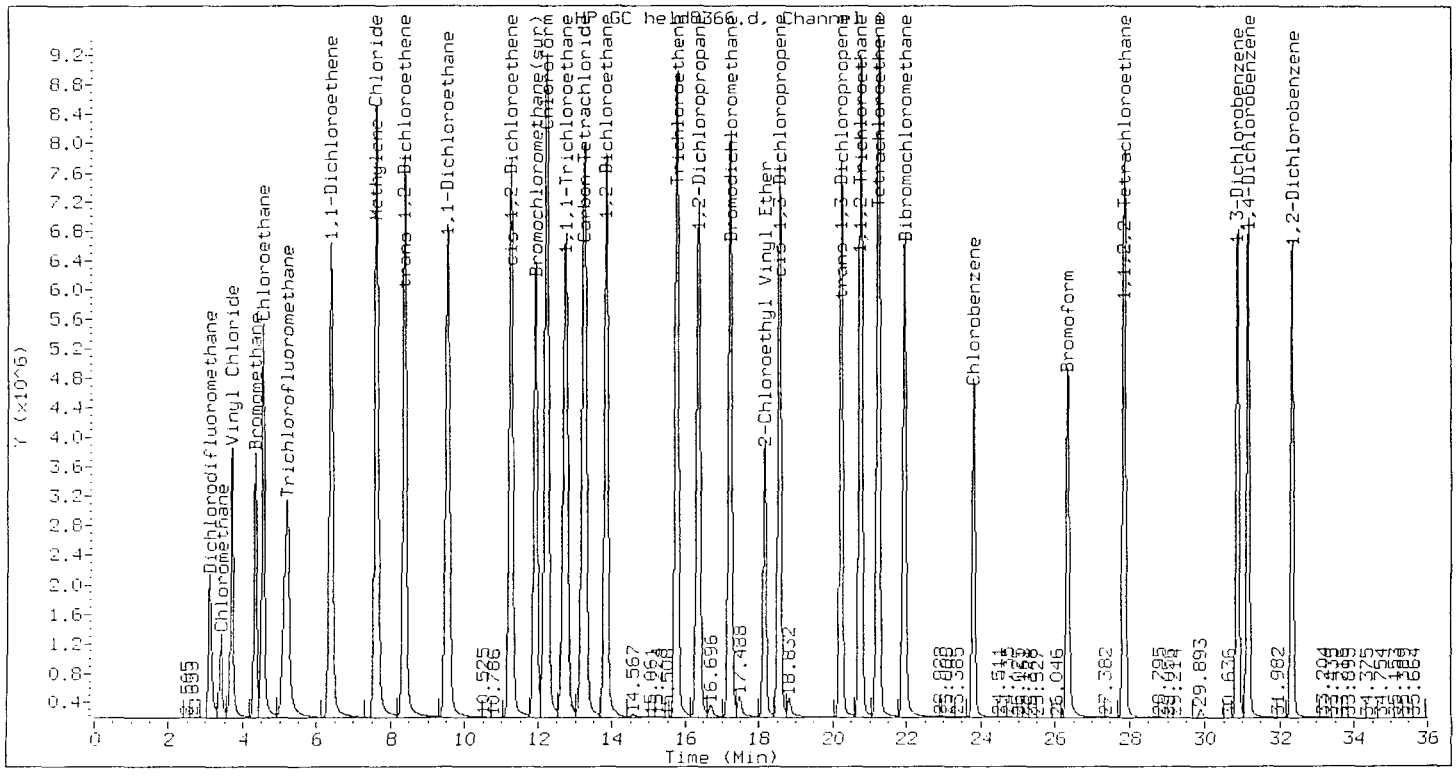
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.092	3.092	0.000	32154004	21.320	21.320
Chloromethane	3.388	3.388	0.000	16695309	21.793	21.793
Vinyl Chloride	3.666	3.666	0.000	49667164	21.163	21.163
Bromomethane	4.304	4.304	0.000	47696253	21.008	21.008
Chloroethane	4.520	4.520	0.000	82136423	20.419	20.419
Trichlorofluoromethane	5.176	5.176	0.000	90899408	21.155	21.155
1,1-Dichloroethene	6.373	6.373	0.000	133092084	21.095	21.095
Methylene Chloride	7.603	7.603	0.000	164255686	20.969	20.969
trans-1,2-Dichloroethene	8.362	8.362	0.000	146353416	21.086	21.086

307058

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	9.514	9.514	0.000	153241720	21.156	21.156
cis-1,2-Dichloroethene	11.237	11.237	0.000	150621132	20.845	20.845
Chloroform	12.210	12.210	0.000	201229082	20.679	20.679
1,1,1-Trichloroethane	12.723	12.723	0.000	166395449	20.806	20.806
Carbon Tetrachloride	13.232	13.232	0.000	192777210	20.784	20.784
1,2-Dichloroethane	13.826	13.826	0.000	151354716	20.938	20.938
Trichloroethene	15.748	15.748	0.000	173551575	21.238	21.238
1,2-Dichloropropane	16.349	16.349	0.000	140704294	20.935	20.935
Bromodichloromethane	17.209	17.209	0.000	144339661	20.965	20.965
2-Chloroethyl Vinyl Ether	18.150	18.150	0.000	61938180	21.255	21.255
cis-1,3-Dichloropropene	18.549	18.549	0.000	126176010	20.633	20.633
trans-1,3-Dichloropropene	20.221	20.221	0.000	119645172	20.729	20.729
1,1,2-Trichloroethane	20.751	20.751	0.000	164072462	20.825	20.825
Tetrachloroethene	21.231	21.231	0.000	179604822	20.906	20.906
Dibromochloromethane	21.941	21.941	0.000	115715212	20.963	20.963
Chlorobenzene	23.811	23.811	0.000	72684437	21.173	21.173
Bromoform	26.346	26.346	0.000	78828189	21.391	21.391
1,1,2,2-Tetrachloroethane	27.869	27.869	0.000	122471332	20.250	20.250
1,3-Dichlorobenzene	30.878	30.878	0.000	95882836	20.784	20.784
1,4-Dichlorobenzene	31.163	31.163	0.000	102338268	20.828	20.828
1,2-Dichlorobenzene	32.342	32.342	0.000	96854123	20.778	20.778
Bromochloromethane(sur)	11.916	11.916	0.000	114148884	19.199	19.199

307059

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/held8366.d Page 1
Report Date 08/28/2000 09:00



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/25aug00.b/8021BEHIGH.m
Sample Info : HSTD040
Lab ID : HSTD040
Inj Date : 25-AUG-2000 20:35
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 (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.093	3.092	0.001	59836885	40.567	40.567
Chloromethane	3.408	3.388	0.020	29828879	40.135	40.135
Vinyl Chloride	3.677	3.666	0.011	90817988	39.462	39.462
Bromomethane	4.313	4.304	0.010	90027283	40.329	40.329
Chloroethane	4.520	4.520	0.000	146282601	36.622	36.622
Trichlorofluoromethane	5.171	5.176	0.004	170480830	40.456	40.456
1,1-Dichloroethene	6.371	6.373	0.001	234659153	37.884	37.884
Methylene Chloride	7.601	7.603	0.001	292259892	37.923	37.923
trans-1,2-Dichloroethene	8.359	8.362	0.003	262750127	38.554	38.554

307060

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.513	9.514	0.001	276083454	38.863	38.863
cis-1,2-Dichloroethene	11.236	11.237	0.001	274199764	38.490	38.490
Chloroform	12.212	12.210	0.002	357675551	37.177	37.177
1,1,1-Trichloroethane	12.723	12.723	0.000	302112451	38.290	38.290
Carbon Tetrachloride	13.232	13.232	0.000	346936523	37.900	37.900
1,2-Dichloroethane	13.827	13.826	0.001	271457502	38.148	38.148
Trichloroethene	15.748	15.748	0.001	303521653	37.926	37.926
1,2-Dichloropropane	16.349	16.349	0.001	254744167	38.503	38.503
Bromodichloromethane	17.209	17.209	0.001	264477133	39.042	39.042
2-Chloroethyl Vinyl Ether	18.151	18.150	0.001	113922849	39.930	39.930
cis-1,3-Dichloropropene	18.550	18.549	0.001	228847765	37.822	37.822
trans-1,3-Dichloropropene	20.223	20.221	0.001	217744913	38.190	38.190
1,1,2-Trichloroethane	20.753	20.751	0.002	291031014	37.454	37.454
Tetrachloroethene	21.231	21.231	0.001	310203877	36.661	36.661
Dibromochloromethane	21.941	21.941	0.000	212467172	39.118	39.118
Chlorobenzene	23.811	23.811	0.000	133305345	39.605	39.605
Bromoform	26.347	26.346	0.000	149458572	41.520	41.520
1,1,2,2-Tetrachloroethane	27.870	27.869	0.001	228480368	37.937	37.937
1,3-Dichlorobenzene	30.878	30.878	0.000	178762483	39.262	39.262
1,4-Dichlorobenzene	31.163	31.163	0.000	185508877	38.285	38.285
1,2-Dichlorobenzene	32.342	32.342	0.001	180459694	39.223	39.223
Bromochloromethane(sur)	11.916	11.916	0.000	209176869	34.719	34.719

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Instrument ID: VOAGC2 Calibration Date: 08/28/00 Time: 0747

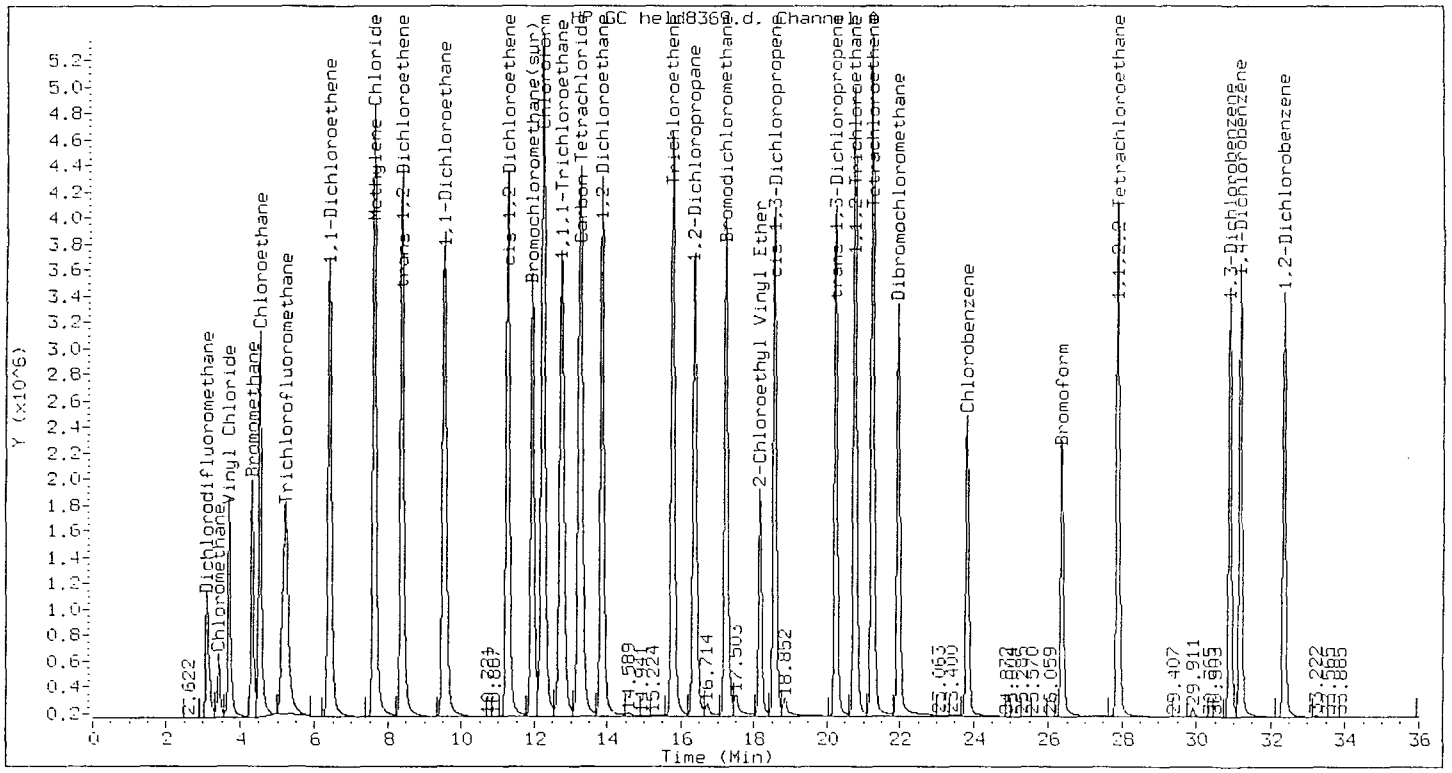
Lab File ID: HELD8369 Init. Calib. Date(s): 08/25/00 08/25/00

Heated Purge: (Y/N) N Init. Calib. Times: 1520 2207

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1518894.0	1443643.7		5.0	15.0
Chloromethane	842230.93	594178.40		29.4	15.0
Vinyl Chloride	2481424.0	2246471.1		9.5	15.0
Bromomethane	2285399.2	2055385.1		10.1	15.0
Chloroethane	4105190.3	3951425.2		3.7	15.0
Trichlorofluoromethane	4179942.2	4505019.7		-7.8	15.0
1,1-Dichloroethene	6418550.7	6245938.2		2.7	15.0
Methylene Chloride	8198127.8	7794131.3		4.9	15.0
trans-1,2-Dichloroethene	7144264.3	7030717.5		1.6	15.0
1,1-Dichloroethane	7425404.1	7352727.1		1.0	15.0
cis-1,2-Dichloroethene	7387316.3	7247327.0		1.9	15.0
Chloroform	10037879	9791321.3		2.4	15.0
1,1,1-Trichloroethane	8223436.4	7989129.0		2.8	15.0
Carbon Tetrachloride	9545888.5	9159346.3		4.0	15.0
1,2-Dichloroethane	7477071.2	7074422.7		5.4	15.0
Trichloroethene	8405688.5	7580003.2		9.8	15.0
1,2-Dichloropropane	6897558.2	6360656.5		7.8	15.0
Bromodichloromethane	7013335.2	6289401.5		10.3	15.0
2-Chloroethyl Vinyl Ether	2981338.8	2700939.2		9.4	15.0
cis-1,3-Dichloropropene	6248169.6	5935801.5		5.0	15.0
trans-1,3-Dichloropropene	5869215.4	5644914.7		3.8	15.0
1,1,2-Trichloroethane	8139146.5	7578173.0		6.9	15.0
Tetrachloroethene	8853017.6	8320924.2		6.0	15.0
Dibromochloromethane	5603994.2	5130896.2		8.4	15.0
Chlorobenzene	3563482.4	3447702.9		3.2	15.0
Bromoform	3704907.0	3261062.0		12.0	15.0
1,1,2,2-Tetrachloroethane	6173102.0	6011339.5		2.6	15.0
1,3-Dichlorobenzene	4656772.4	4458159.6		4.3	15.0
1,4-Dichlorobenzene	5040549.1	4797236.2		4.8	15.0
1,2-Dichlorobenzene	4761279.7	4547547.8		4.5	15.0
Bromochloromethane(sur)	6118973.6	5550714.9		9.3	15.0

307062

Data File: /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/held8369.d Page 1
Report Date 08/29/2000 07:31



Method : /chem/VOAGC2.i/8021EHIGH/08-25-00/28aug00.b/8021BEHIGH.m
Sample Info : HSTD020
Lab ID : HSTD020
Inj Date : 28-AUG-2000 07:47
Operator : SP
Cpnd Sublist: 601

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

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/L)
Dichlorodifluoromethane	3.098	3.098	0.000	28872874	19.009	19.009
Chloromethane	3.415	3.415	0.000	11883568	14.110	14.110
Vinyl Chloride	3.692	3.692	0.000	44929423	18.106	18.106
Bromomethane	4.313	4.313	0.000	41107703	17.987	17.987
Chloroethane	4.518	4.518	0.000	79028504	19.251	19.251
Trichlorofluoromethane	5.209	5.209	0.000	90100394	21.555	21.555
1,1-Dichloroethene	6.399	6.399	0.000	124918764	19.462	19.462
Methylene Chloride	7.622	7.622	0.000	155882627	19.014	19.014
trans-1,2-Dichloroethene	8.378	8.378	0.000	140614351	19.682	19.682

307063

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/L)
1,1-Dichloroethane	9.534	9.534	0.000	147054542	19.804	19.804
cis-1,2-Dichloroethene	11.256	11.256	0.000	144946540	19.621	19.621
Chloroform	12.232	12.232	0.000	195826426	19.509	19.509
1,1,1-Trichloroethane	12.744	12.744	0.000	159782579	19.430	19.430
Carbon Tetrachloride	13.251	13.251	0.000	183186927	19.190	19.190
1,2-Dichloroethane	13.850	13.850	0.000	141488454	18.923	18.923
Trichloroethene	15.771	15.771	0.000	151600065	18.035	18.035
1,2-Dichloropropane	16.371	16.371	0.000	127213131	18.443	18.443
Bromodichloromethane	17.229	17.229	0.000	125788031	17.936	17.936
2-Chloroethyl Vinyl Ether	18.171	18.171	0.000	54018785	18.119	18.119
cis-1,3-Dichloropropene	18.571	18.571	0.000	118716030	19.000	19.000
trans-1,3-Dichloropropene	20.243	20.243	0.000	112898294	19.236	19.236
1,1,2-Trichloroethane	20.773	20.773	0.000	151563460	18.622	18.622
Tetrachloroethene	21.252	21.252	0.000	166418485	18.798	18.798
Dibromochloromethane	21.960	21.960	0.000	102617923	18.312	18.312
Chlorobenzene	23.830	23.830	0.000	68954057	19.350	19.350
Bromoform	26.364	26.364	0.000	65221241	17.604	17.604
1,1,2,2-Tetrachloroethane	27.889	27.889	0.000	120226791	19.476	19.476
1,3-Dichlorobenzene	30.896	30.896	0.000	89163192	19.147	19.147
1,4-Dichlorobenzene	31.181	31.181	0.000	95944724	19.035	19.035
1,2-Dichlorobenzene	32.360	32.360	0.000	90950955	19.102	19.102
Bromochloromethane(sur)	11.937	11.937	0.000	111014298	18.143	18.143

307064

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: SOIL Level: HIGH Lab Job No: C924

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	HG235	97			0
02	223537	91			0
03	223538	87			0
04	223539	92			0
05	223540	86			0
06	223541	90			0
07	223542	101			0
08	223537MS	97			0
09	223537MSD	86			0
10	HG241	92			0
11	223543	91			0
12	223550	91			0
13	223551	96			0
14	223552	86			0
15	223554	84			0
16	223555	91			0
17	223556	96			0
18	223559	94			0
19	223561	98			0
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

QC LIMITS

SMC1 = Bromochloromethane(sur (70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

307065

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: WATER Level: MED Lab Job No: C924

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	HG241W	93			0
02	223560	95			0
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

QC LIMITS

SMC1 = Bromochloromethane(sur (70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

307066

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8021

Matrix: SOIL

Level: HIGH

Matrix Spike - Lab Sample No.: 223537

MS Sample from Lab Job No: 22AU

QA Batch: 7072

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Chloromethane	2500	0.00	2600	104	70-130
Vinyl Chloride	2500	0.00	2500	100	70-130
Bromomethane	2500	0.00	2600	104	70-130
Chloroethane	2500	0.00	2200	88	70-130
Trichlorofluoromethane	2500	0.00	2300	92	70-130
1,1-Dichloroethene	2500	0.00	2500	100	70-130
Methylene Chloride	2500	0.00	2500	100	70-130
trans-1,2-Dichloroethene	2500	0.00	2400	96	70-130
1,1-Dichloroethane	2500	0.00	2300	92	70-130
Chloroform	2500	0.00	2600	104	70-130
1,1,1-Trichloroethane	2500	0.00	2100	84	70-130
Carbon Tetrachloride	2500	0.00	2600	104	70-130
1,2-Dichloroethane	2500	0.00	2500	100	70-130
Trichloroethene	2500	0.00	2200	88	70-130
1,2-Dichloropropane	2500	0.00	2600	104	70-130
Bromodichloromethane	2500	0.00	2400	96	70-130
2-Chloroethyl Vinyl Ethe	2500	0.00	2800	112	70-130
cis-1,3-Dichloropropene	2500	0.00	2500	100	70-130
trans-1,3-Dichloropropen	2500	0.00	2700	108	70-130
1,1,2-Trichloroethane	2500	0.00	2500	100	70-130
Tetrachloroethene	2500	0.00	2600	104	70-130
Dibromochloromethane	2500	0.00	2700	108	70-130
Chlorobenzene	2500	0.00	2600	104	70-130
Bromoform	2500	0.00	2800	112	70-130
1,1,2,2-Tetrachloroethan	2500	0.00	2500	100	70-130
1,3-Dichlorobenzene	2500	0.00	2700	108	70-130
1,4-Dichlorobenzene	2500	0.00	2800	112	70-130
1,2-Dichlorobenzene	2500	0.00	2800	112	70-130

307067

Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	2500	2500	100	4	40	70-130
Vinyl Chloride	2500	2500	100	0	40	70-130
Bromomethane	2500	2600	104	0	40	70-130
Chloroethane	2500	2100	84	5	40	70-130
Trichlorofluoromethane	2500	2600	104	12	40	70-130
1,1-Dichloroethene	2500	2600	104	4	40	70-130
Methylene Chloride	2500	2600	104	4	40	70-130
trans-1,2-Dichloroethene	2500	2600	104	8	40	70-130
1,1-Dichloroethane	2500	2600	104	12	40	70-130
Chloroform	2500	2500	100	4	40	70-130
1,1,1-Trichloroethane	2500	2300	92	9	40	70-130
Carbon Tetrachloride	2500	2500	100	4	40	70-130
1,2-Dichloroethane	2500	2800	112	11	40	70-130
Trichloroethene	2500	2700	108	20	40	70-130
1,2-Dichloropropane	2500	2600	104	0	40	70-130
Bromodichloromethane	2500	2500	100	4	40	70-130
2-Chloroethyl Vinyl Ethe	2500	3100	124	10	40	70-130
cis-1,3-Dichloropropene	2500	2600	104	4	40	70-130
trans-1,3-Dichloropropen	2500	2600	104	4	40	70-130
1,1,2-Trichloroethane	2500	2800	112	11	40	70-130
Tetrachloroethene	2500	2300	92	12	40	70-130
Dibromochloromethane	2500	2700	108	0	40	70-130
Chlorobenzene	2500	2500	100	4	40	70-130
Bromoform	2500	2400	96	15	40	70-130
1,1,2,2-Tetrachloroethan	2500	2800	112	11	40	70-130
1,3-Dichlorobenzene	2500	2600	104	4	40	70-130
1,4-Dichlorobenzene	2500	2600	104	7	40	70-130
1,2-Dichlorobenzene	2500	2900	116	4	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

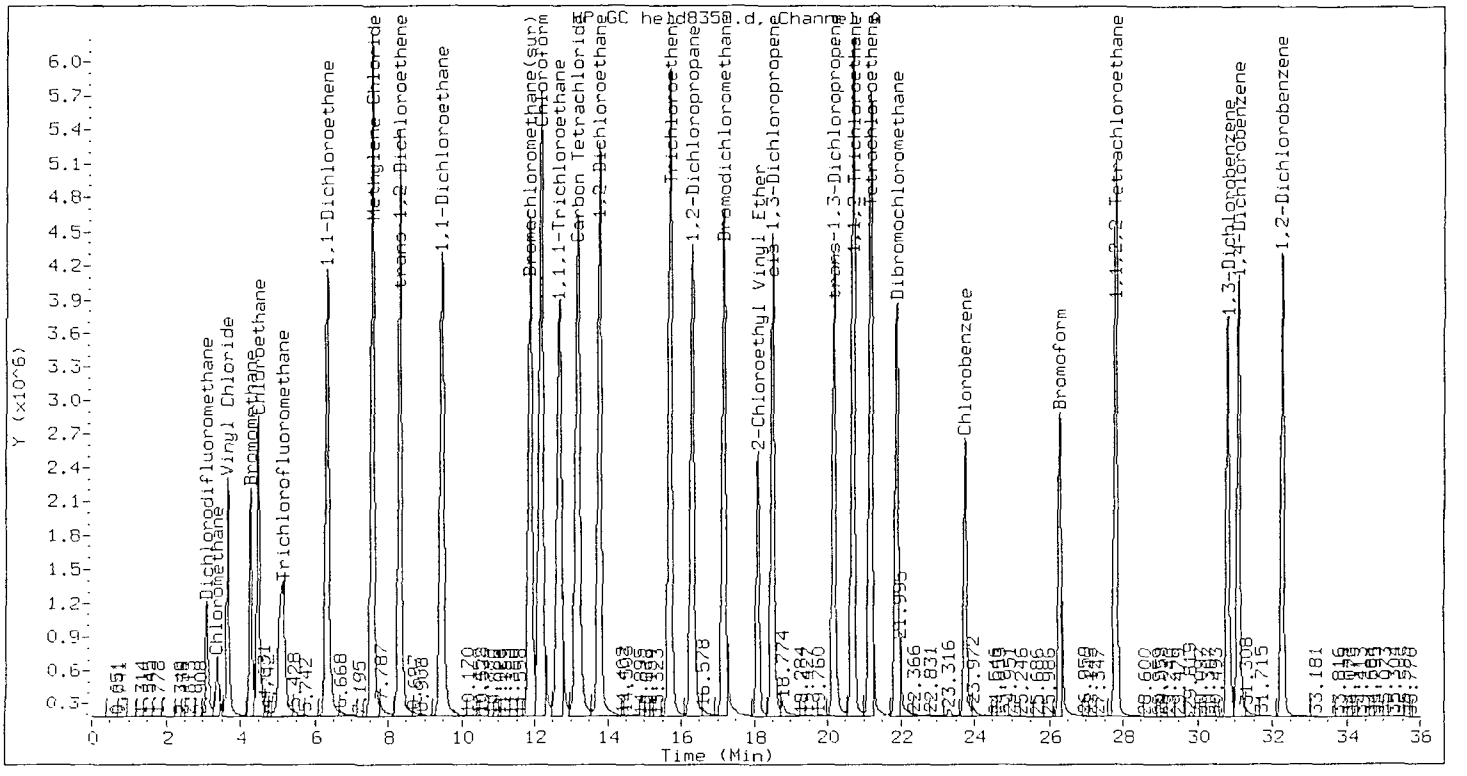
COMMENTS: _____

307068

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.443	9.465	0.021	144773151	17.956	2264.606
Chloroform	12.137	12.162	0.026	233205994	20.862	2631.213
1,1,1-Trichloroethane	12.653	12.667	0.015	146754135	16.356	2062.829
Carbon Tetrachloride	13.149	13.177	0.028	215860368	20.777	2620.384
1,2-Dichloroethane	13.757	13.779	0.022	159629827	19.970	2518.635
Trichloroethene	15.678	15.701	0.023	159655015	17.609	2220.902
1,2-Dichloropropane	16.280	16.300	0.020	155046679	20.616	2600.174
Bromodichloromethane	17.137	17.157	0.020	144684738	19.164	2416.981
2-Chloroethyl Vinyl Ether	18.081	18.102	0.021	66309804	22.412	2826.625
cis-1,3-Dichloropropene	18.480	18.497	0.017	133735403	19.588	2470.542
trans-1,3-Dichloropropene	20.148	20.170	0.022	137028056	21.696	2736.335
1,1,2-Trichloroethane	20.682	20.697	0.015	172285445	19.551	2465.805
Tetrachloroethene	21.155	21.176	0.021	204183180	20.908	2636.916
Dibromochloromethane	21.871	21.883	0.012	124674560	21.780	2746.967
Chlorobenzene	23.737	23.754	0.017	78254619	20.901	2636.056
Bromoform	26.273	26.286	0.012	83127463	21.838	2754.275
1,1,2,2-Tetrachloroethane	27.798	27.811	0.014	132465387	19.712	2486.180
1,3-Dichlorobenzene	30.801	30.813	0.012	110330126	21.423	2701.958
1,4-Dichlorobenzene	31.084	31.098	0.014	120485667	22.243	2805.403
1,2-Dichlorobenzene	32.261	32.275	0.014	113807072	22.274	2809.279
Bromochloromethane(sur)	11.842	11.866	0.025	183976884	29.210	3683.990

307069

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8352.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 223537MSD;;50
Lab ID : 223537MSD
Inj Date : 22-AUG-2000 21:29
Operator : SP
Cpnd Sublist: 601

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

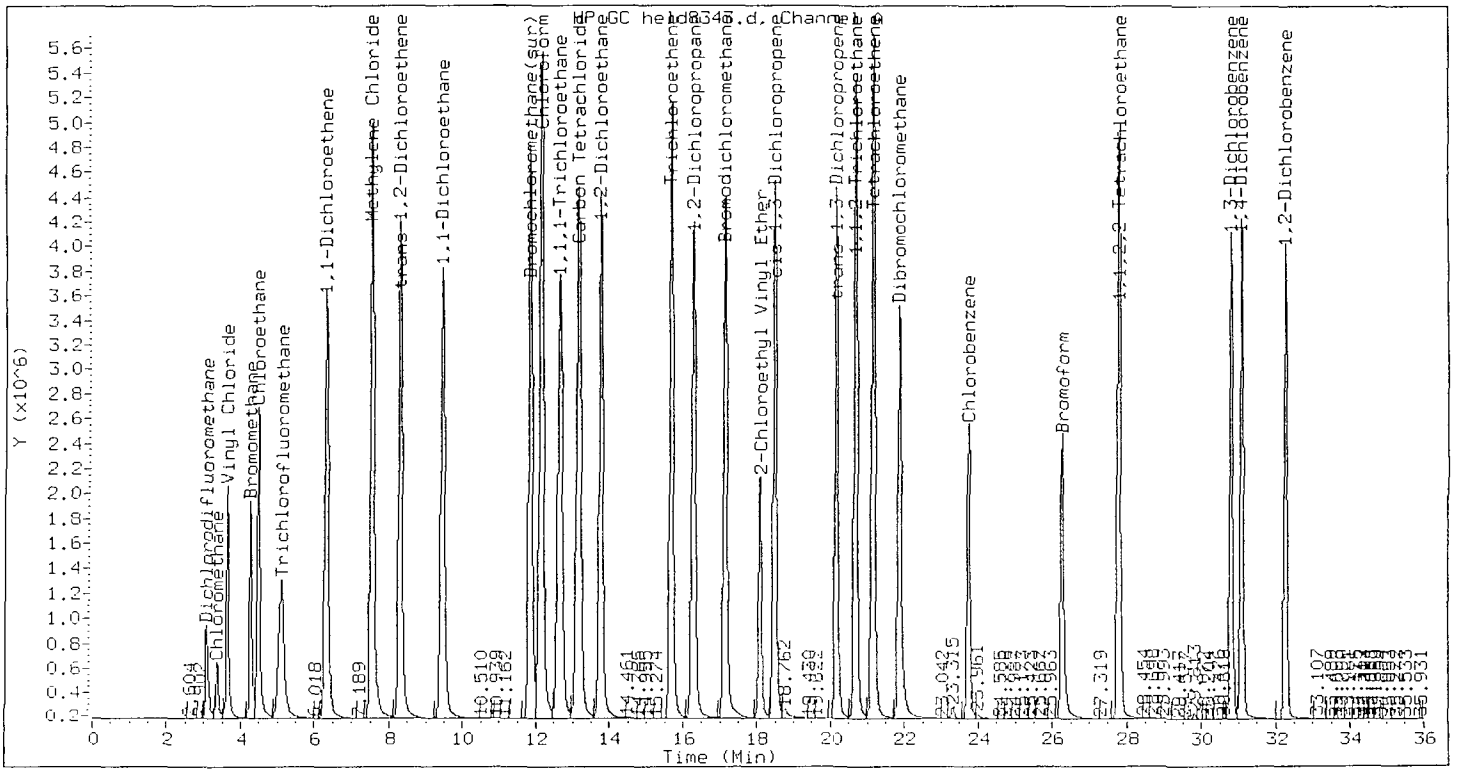
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.074	3.073	0.002	28508627	20.623	2601.038
Chloromethane	3.354	3.381	0.027	16094269	19.836	2501.712
Vinyl Chloride	3.627	3.652	0.025	52136691	20.171	2544.059
Bromomethane	4.235	4.284	0.049	46479178	20.369	2568.979
Chloroethane	4.441	4.492	0.051	72983777	16.657	2100.813
Trichlorofluoromethane	5.095	5.143	0.048	74281992	20.390	2571.590
1,1-Dichloroethene	6.302	6.342	0.040	140534703	20.756	2617.779
Methylene Chloride	7.532	7.564	0.032	183876601	20.819	2625.720
trans-1,2-Dichloroethene	8.285	8.316	0.031	156758505	20.351	2566.662

307070

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.436	9.465	0.029	168063072	20.844	2628.918
Chloroform	12.138	12.162	0.025	220726289	19.746	2490.407
1,1,1-Trichloroethane	12.645	12.667	0.022	166408654	18.546	2339.100
Carbon Tetrachloride	13.153	13.177	0.024	202936952	19.533	2463.504
1,2-Dichloroethane	13.751	13.779	0.028	179496650	22.455	2832.094
Trichloroethene	15.672	15.701	0.029	196712941	21.696	2736.401
1,2-Dichloropropane	16.276	16.300	0.024	158356041	21.056	2655.673
Bromodichloromethane	17.136	17.157	0.021	152055027	20.140	2540.103
2-Chloroethyl Vinyl Ether	18.078	18.102	0.024	73472648	24.833	3131.959
cis-1,3-Dichloropropene	18.478	18.497	0.018	138112372	20.230	2551.399
trans-1,3-Dichloropropene	20.152	20.170	0.018	129103848	20.441	2578.096
1,1,2-Trichloroethane	20.679	20.697	0.019	192222774	21.813	2751.155
Tetrachloroethene	21.157	21.176	0.019	178344837	18.262	2303.228
Dibromochloromethane	21.869	21.883	0.015	122742997	21.443	2704.408
Chlorobenzene	23.736	23.754	0.017	75225685	20.092	2534.024
Bromoform	26.272	26.286	0.013	72878059	19.146	2414.680
1,1,2,2-Tetrachloroethane	27.795	27.811	0.016	148844603	22.150	2793.593
1,3-Dichlorobenzene	30.801	30.813	0.013	105098454	20.407	2573.835
1,4-Dichlorobenzene	31.086	31.098	0.012	114119172	21.068	2657.165
1,2-Dichlorobenzene	32.261	32.275	0.014	116892062	22.878	2885.431
Bromochloromethane(sur)	11.843	11.866	0.024	163126195	25.899	3266.472

307071

Data File: /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/held8343.d Page 1
Report Date 08/23/2000 08:07



Method : /chem/VOAGC2.i/8021EHIGH/08-22-00/22AUG00.b/8021BEHIGH.m
Sample Info : 7072BS
Lab ID : 7072BS
Inj Date : 22-AUG-2000 14:30
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 (none)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.055	3.073	0.017	22936685	16.592	2074.047
Chloromethane	3.351	3.381	0.030	13040480	16.072	2008.987
Vinyl Chloride	3.624	3.652	0.028	43482260	16.823	2102.874
Bromomethane	4.253	4.284	0.031	40778204	17.871	2233.818
Chloroethane	4.464	4.492	0.028	71348319	16.284	2035.459
Trichlorofluoromethane	5.101	5.143	0.043	64073446	17.587	2198.435
1,1-Dichloroethene	6.305	6.342	0.036	123155496	18.189	2273.634
Methylene Chloride	7.531	7.564	0.033	166070403	18.803	2350.345
trans-1,2-Dichloroethene	8.285	8.316	0.030	139129386	18.062	2257.740

307072

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (none)	FINAL (ug/Kg)
1,1-Dichloroethane	9.437	9.465	0.028	145673203	18.067	2258.405
Chloroform	12.134	12.162	0.028	210096314	18.795	2349.374
1,1,1-Trichloroethane	12.641	12.667	0.027	165006429	18.390	2298.748
Carbon Tetrachloride	13.148	13.177	0.029	190006165	18.288	2286.005
1,2-Dichloroethane	13.750	13.779	0.029	150113169	18.779	2347.402
Trichloroethene	15.671	15.701	0.030	168181555	18.550	2318.690
1,2-Dichloropropane	16.271	16.300	0.029	150290895	19.984	2497.986
Bromodichloromethane	17.133	17.157	0.024	147434620	19.528	2440.999
2-Chloroethyl Vinyl Ether	18.077	18.102	0.025	60956028	20.602	2575.280
cis-1,3-Dichloropropene	18.473	18.497	0.024	133443716	19.546	2443.213
trans-1,3-Dichloropropene	20.146	20.170	0.024	125235292	19.829	2478.586
1,1,2-Trichloroethane	20.675	20.697	0.023	165679278	18.801	2350.151
Tetrachloroethene	21.150	21.176	0.026	179635592	18.394	2299.250
Dibromochloromethane	21.862	21.883	0.021	116504130	20.353	2544.101
Chlorobenzene	23.729	23.754	0.024	69605633	18.591	2323.841
Bromoform	26.264	26.286	0.022	76257593	20.033	2504.168
1,1,2,2-Tetrachloroethane	27.790	27.811	0.021	150130511	22.341	2792.650
1,3-Dichlorobenzene	30.796	30.813	0.018	108086371	20.988	2623.450
1,4-Dichlorobenzene	31.082	31.098	0.016	113790918	21.008	2625.941
1,2-Dichlorobenzene	32.259	32.275	0.016	106073446	20.761	2595.074
Bromochloromethane(sur)	11.836	11.866	0.030	157765462	25.048	3131.011

307073

Subdirectory: E082200 — Analysis: BOZIE

DATE	DATA	File ID #	A/S	SAMPLE	Sublist	JOB	CPA	LPB	pH	c/u	D.F	STD lot #	COMMENTS	Analyst
8-24-00	HELD	8336	1	HSTD 001	601							SUPR	NG	SP
		8337	2	005				HG 235				V00-489	G	
		8338	3	010								STD	G	
		8339	4	020								V00-495	G	
		8340	5	040								-491	G	
		8341	6	001								-492	G	
		8342	7	001								BS	NG	
		8343	8	7072 BS								V00-493	G	
		8344	9	HG235								-494	G	
		8345	10	223537		C924	7072			11.8/25ml	50X		G	
		8346	11	223538						10.3/25ml			G	
		8347	12	223539						10.6/25ml			G	
		8348	13	223540						11.6/25ml			G	
		8349	14	223541						11.3/25ml			G	
		8350	15	223542						10.6/25ml			G	
		8351	16	223537MS						11.0/25ml			G	
		8352	17	223537MSD						11.0/25ml			G	
		8353	18	HSTD020A									G	
		8354	19	HSTD020A									NU	

SP 8/23/00

Continued on Page

Continued From Page

Notebook No.

Page Reviewed By

Checkers Initial

8/22/00

307074

111

Subsidiary E 08 28 00 — Analysis 80 ml E

DATE	DATA	File ID #	A U	SAMPLE	Sublist	DBS	PA	LPG	P H	W/V	DF	Sample #	COMMENTS	Analyst
8-28-00	HELD	8369	1	HSTD 020	601							SUPR	G	SP
		8370	2	BS								V22 489	NG	
		8371	3	HG241								SH	G	
		8372	4	BS								V22 495	G	
		8373	5	HG241W								-491	G	
		8374	6	223520		C924	7072	HG241W		50 ml	ST	-492	G	
		8375	7	223543				HG241		11.7/25 ml	50		G	
		8376	8	223550						10.7/25 ml		BS	G	
		8377	9	223551						11.8/25 ml		V22 494	G	
		8378	10	223552						10.7/25 ml		-493	G	
		8379	11	HSTD020A									NG	
		8380	12	223554		C924	7072			11.4/25 ml	52X		G	
		8381	13	223555						11.3/25 ml			G	
		8382	14	223556						11.7/25 ml			G	
		8383	15	223559						11.0/25 ml			G	
		8384	16	223521						0.0			G	
		8385	17	HSTD020B									G	
		8386	18	HSTD020B									NG	

Continued on Page

Continued From Page

Notebook No.

Page 112

Shoulders fixed 8/28/00

307075

Subdiskectory: E08 25 00 Analysis: BORIE

DATE	DATA File ID #		ALS	SAMPLE	Sublist	JCB	KPA	LPB	Pn	W/V	D.F.	STD Lot #	COMMENTS	Analyst
8-25-00	HELD	8355	1	HSTD 001	601			1HG				SyER	NG Make off	SP
		8356	2	001		—	—	~~23C~~				V00-489	NG make on	
		8357	3	HSTD 020				238		—	—	Std	NG	
		8358	4	HSTD 001								V00-495	NG	
		8359	5	HSTD 001								-491	NG	
		8360	6	HSTD 005								-492	NG (G)	
		8361	7	HSTD 001		—	—			—	—	Bis	NG	
		8362	8	HSTD 005								V00-493	~~NG~~ (G)	NG 8/28/00
		8363	9	HSTD 010								-494	(G)	
		8364	10	HSTD 020						—	—		NG	
		8365	11	HSTD 040									NG	
		8366	12	HSTD 040									(G)	
		8367	13	HSTD 020									(G)	
		8368	14	HSTD 001		—	—			—	—		(G)	

Reviewed by: Rhonda Patel 8/25/00

Reviewed by: [illegible] 8/28/00

Reviewed by

Continued on Page

307076

Notebook No. ____ Continued From Page ____

PROJECT: [illegible]

113

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

Lab Sample No: 223544
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	145	1.3		P

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

307077

Client ID: **SSFS-DUP816**
Site: **Klockner & Klockner**

Lab Sample No: 223553
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: SOLID
Level: LOW
% Moisture: 16.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	111	1.4		P

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

307078

Client ID: **FB-081600**
Site: **Klockner & Klockner**

Lab Sample No: 223560
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	2.3		P

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

307079

BLANKS

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: _C924 _____ Batch No.: 10048_

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	3.2	U	3.2	U	3.2	U	3.2	U	0.320	U	P
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead	2.3	U	2.3	U	2.3	U	2.3	U	0.230	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

307080

BLANKS

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: _C924 _____ Batch No.: 10048_

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			3.2	U							P
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			2.3	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

307081

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH_____ _____

Lab Code: 12543_ Lab Job No.: C924 _____ Batch No.: 10048_

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	5000.0	4972.35	99.4	5000.0	4952.39	99.0	4969.95	99.4	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	10000.0	10037.24	100.4	10000.0	10036.73	100.4	10153.04	101.5	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

307082

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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				5000.0	4916.59	98.3	4946.15	98.9	P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead				10000.0	9970.64	99.7	10034.96	100.3	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

307083

ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	514386	492967.5	98.6	496141	489523.9	97.9
Antimony		100		106.0	106.0		106.5	106.5
Arsenic		100		100.2	100.2		102.4	102.4
Barium		100		103.8	103.8		104.1	104.1
Beryllium		100		98.7	98.7		98.9	98.9
Cadmium		100		94.0	94.0		91.3	91.3
Calcium	500000	500000	498573	483080.4	96.6	481999	480736.0	96.1
Chromium		100		101.2	101.2		100.3	100.3
Cobalt		100		97.2	97.2		94.6	94.6
Copper		100		100.3	100.3		101.4	101.4
Iron	200000	200000	195876	196190.7	98.1	189455	194742.5	97.4
Lead		100		96.6	96.6		95.1	95.1
Magnesium	500000	500000	524693	522080.8	104.4	509911	519966.6	104.0
Manganese		100		101.4	101.4		101.2	101.2
Mercury								
Nickel		100		100.2	100.2		97.7	97.7
Potassium								
Selenium								
Silver		100		102.8	102.8		102.5	102.5
Sodium								
Thallium								
Vanadium		100		101.6	101.6		100.6	100.6
Zinc		100		104.5	104.5		104.0	104.0

307084

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS082100

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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	75-125	192.6160		0.3200	U	200.00	96.3		P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead	75-125	48.4885		0.2300	U	50.00	97.0		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:

307085

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

223656MS

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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

% Solids for Sample: 87.6

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	75-125	269.8602		45.7802		228.31	98.1		P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead		517.7523		544.1267		57.08	-46.2		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:

307086

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

223656MSD

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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

% Solids for Sample: 87.6

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	75-125	232.3225		45.7802		228.31	81.7		P
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead		587.8396		544.1267		57.08	76.6		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:

307087

LAB SAMPLE NO.

DUPLICATES

LCSS-244-D

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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		79.9856		76.5702		4.4		P
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead		57.5832		54.9388		4.7		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

307088

LAB SAMPLE NO.

DUPLICATES

223656D

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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

% Solids for Sample: 87.6 % Solids for Duplicate: 87.6

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		45.7802		27.4493		50.1	*	P
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead		544.1267		477.9827		12.9		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

307089

LAB SAMPLE NO.

DUPLICATES

223656MS/MS

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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

% Solids for Sample: 87.6 % Solids for Duplicate: 87.6

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		269.8602		232.3225		14.9		P
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead		517.7523		587.8396		12.7		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

307090

LABORATORY CONTROL SAMPLE

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

Solid LCS Source: ERA 244

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic				75.2	80.0		55.9	94.5	106.4
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead				56.8	57.6		39.5	74.0	101.4
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Boron									

307091

LAB SAMPLE NO.

ICP SERIAL DILUTION

223656L

Lab Name: STL_ENVIROTECH

Lab Code: 12543 Lab Job No.: C924 Batch No.: 10048

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	81.01		86.81		7.2		P
Barium							NR
Beryllium							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead	962.84		962.68		0.0		P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel							NR
Potassium							NR
Selenium							NR
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

307092

ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:10048_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 08/25/00 End Date: 08/25/00

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	1153		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			X	X	
STD2	1.00	1158		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			X	X	
STD3	1.00	1203		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			X	X	
STD4	1.00	1208		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X			X	X	
ZZZZZZ	1.00	1214																									
ICV/CCV	1.00	1219				X									X												
ICB/CCB	1.00	1224				X									X												
ICSA	1.00	1229				X									X												
ICSAB	1.00	1234				X									X												
ZZZZZZ	1.00	1239																									
ZZZZZZ	1.00	1244																									
SS082100	1.00	1249				X									X												
BS082100	1.00	1254				X									X												
LCSS-244	2.00	1259				X									X												
SS-244-D	2.00	1304				X									X												
223656D	5.00	1309				X									X												
223656	5.00	1314				X									X												
CCV	1.00	1319				X									X												
CCB	1.00	1324				X									X												
223656L	5.00	1329				X									X												
223656MS	5.00	1334				X									X												
23656MSD	5.00	1338				X									X												
ZZZZZZ	5.00	1343																									
223699	5.00	1348													X												
223700	5.00	1353													X												
223701	1.00	1358													X												
223344	5.00	1403													X												
223345	5.00	1408													X												
223346	5.00	1413													X												
CCV	1.00	1418				X									X												
CCB	1.00	1423				X									X												
223347	5.00	1428													X												

307093

ANALYSIS RUN LOG

Lab Name: STL_ENVIROTECH_____ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:10048_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 08/25/00 End Date: 08/25/00

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
223022	1.00	1433													X												
223544	5.00	1438													X												
223553	5.00	1443													X												
223560	1.00	1448													X												
223648	5.00	1453				X									X												
223649	5.00	1458				X									X												
223650	5.00	1503				X									X												
223651	5.00	1508				X									X												
223652	5.00	1513				X									X												
CCV	1.00	1518				X									X												
CCB	1.00	1523				X									X												
223653	5.00	1528				X									X												
223654	5.00	1533				X									X												
223655	5.00	1538				X									X												
ICSA	1.00	1543				X									X												
ICSAB	1.00	1548				X									X												
CCV	1.00	1553				X									X												
CCB	1.00	1558				X									X												

307094

File : 10048NT1.WSL Data w 10073NT1

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	F
1	STD1-BLANK		3		1.0	08/25/00	11:53:00	
2	STD2		3		1.0	08/25/00	11:58:00	
3	STD3		3		1.0	08/25/00	12:03:00	
4	STD4		3		1.0	08/25/00	12:08:00	
5	HSA		0		1.0	08/25/00	12:14:00	
6	ICV/CCV1		0		1.0	08/25/00	12:19:00	
7	ICB/CCB1		0		1.0	08/25/00	12:24:00	
8	ICSA1		0		1.0	08/25/00	12:29:00	
9	ICSAB1		0		1.0	08/25/00	12:34:00	
10	INT-20		0		1.0	08/25/00	12:39:00	
11	MCL		0		1.0	08/25/00	12:44:00	
12	BSS082100		0		1.0	08/25/00	12:49:00	
13	PBS082100		0		1.0	08/25/00	12:54:00	
14	LCSS-244		0		2.0	08/25/00	12:59:00	
15	LCSS-244-D		0		2.0	08/25/00	13:04:00	
16	223656D		0		5.0	08/25/00	13:09:00	
17	223656		0		5.0	08/25/00	13:14:00	
18	CCV2		0		1.0	08/25/00	13:19:00	
19	CCB2		0		1.0	08/25/00	13:24:00	
20	223656L		0		5.0	08/25/00	13:29:00	
21	223656MS		0		5.0	08/25/00	13:34:00	
22	223656MSD		0		5.0	08/25/00	13:38:00	
23	223656A		0		5.0	08/25/00	13:43:00	
24	223699		0		5.0	08/25/00	13:48:00	
25	223700		0		5.0	08/25/00	13:53:00	
26	223701		0		1.0	08/25/00	13:58:00	
27	223344		0		5.0	08/25/00	14:03:00	
28	223345		0		5.0	08/25/00	14:08:00	
29	223346		0		5.0	08/25/00	14:13:00	
30	CCV3		0		1.0	08/25/00	14:18:00	
31	CCB3		0		1.0	08/25/00	14:23:00	
32	223347		0		5.0	08/25/00	14:28:00	
33	223022		0		1.0	08/25/00	14:33:00	
34	223544		0		5.0	08/25/00	14:38:00	
35	223553		0		5.0	08/25/00	14:43:00	
36	223560		0		1.0	08/25/00	14:48:00	
37	223648		0		5.0	08/25/00	14:53:00	
38	223649		0		5.0	08/25/00	14:58:00	
39	223650		0		5.0	08/25/00	15:03:00	
40	223651		0		5.0	08/25/00	15:08:00	
41	223652		0		5.0	08/25/00	15:13:00	
42	CCV4		0		1.0	08/25/00	15:18:00	
43	CCB4		0		1.0	08/25/00	15:23:00	
44	223653		0		5.0	08/25/00	15:28:00	
45	223654		0		5.0	08/25/00	15:33:00	
46	223655		0		5.0	08/25/00	15:38:00	
47	ICSA2		0		1.0	08/25/00	15:43:00	
48	ICSAB2		0		1.0	08/25/00	15:48:00	
49	CCV5		0		1.0	08/25/00	15:53:00	
50	CCB5		0		1.0	08/25/00	15:58:00	

307095

Analysis Report Summary 08/25/00 06:14:43 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HSA	Z0825	SW846	08/25/00	12:14		S	CONC
2	ICV/CCV1	Z0825	SW846	08/25/00	12:19		S	CONC
3	ICB/CCB1	Z0825	SW846	08/25/00	12:24		S	CONC
4	ICSA1	Z0825	SW846	08/25/00	12:29		S	CONC
5	ICSAB1	Z0825	SW846	08/25/00	12:34		S	CONC
6	INT-20	Z0825	SW846	08/25/00	12:39		S	CONC
7	MCL	Z0825	SW846	08/25/00	12:44		S	CONC
8	BSS082100	Z0825	SW846	08/25/00	12:49		S	CONC
9	PBS082100	Z0825	SW846	08/25/00	12:54		S	CONC
10	LCSS-244-2	Z0825	SW846	08/25/00	12:59		S	CONC
11	LCSS-244-D-2	Z0825	SW846	08/25/00	13:04		S	CONC
12	223656D-5	Z0825	SW846	08/25/00	13:09		S	CONC
13	223656-5	Z0825	SW846	08/25/00	13:14		S	CONC
14	CCV2	Z0825	SW846	08/25/00	13:19		S	CONC
15	CCB2	Z0825	SW846	08/25/00	13:24		S	CONC
16	223656L-5	Z0825	SW846	08/25/00	13:29		S	CONC
17	223656MS-5	Z0825	SW846	08/25/00	13:34		S	CONC
18	223656MSD-5	Z0825	SW846	08/25/00	13:38		S	CONC
19	223656A-5	Z0825	SW846	08/25/00	13:43		S	CONC
20	223699-5	Z0825	SW846	08/25/00	13:48		S	CONC
21	223700-5	Z0825	SW846	08/25/00	13:53		S	CONC
22	223701-FB	Z0825	SW846	08/25/00	13:58		S	CONC
23	223344-5	Z0825	SW846	08/25/00	14:03		S	CONC
24	223345-5	Z0825	SW846	08/25/00	14:08		S	CONC
25	223346-5	Z0825	SW846	08/25/00	14:13		S	CONC
26	CCV3	Z0825	SW846	08/25/00	14:18		S	CONC
27	CCB3	Z0825	SW846	08/25/00	14:23		S	CONC
28	223347-5	Z0825	SW846	08/25/00	14:28		S	CONC
29	223022-FB	Z0825	SW846	08/25/00	14:33		S	CONC
30	223544-5	Z0825	SW846	08/25/00	14:38		S	CONC
31	223553-5	Z0825	SW846	08/25/00	14:43		S	CONC
32	223560-FB	Z0825	SW846	08/25/00	14:48		S	CONC
33	223648-5	Z0825	SW846	08/25/00	14:53		S	CONC
34	223649-5	Z0825	SW846	08/25/00	14:58		S	CONC
35	223650-5	Z0825	SW846	08/25/00	15:03		S	CONC
36	223651-5	Z0825	SW846	08/25/00	15:08		S	CONC
37	223652-5	Z0825	SW846	08/25/00	15:13		S	CONC
38	CCV4	Z0825	SW846	08/25/00	15:18		S	CONC
39	CCB4	Z0825	SW846	08/25/00	15:23		S	CONC
40	223653-5	Z0825	SW846	08/25/00	15:28		S	CONC
41	223654-5	Z0825	SW846	08/25/00	15:33		S	CONC
42	223655-5	Z0825	SW846	08/25/00	15:38		S	CONC
43	ICSA2	Z0825	SW846	08/25/00	15:43		S	CONC
44	ICSAB2	Z0825	SW846	08/25/00	15:48		S	CONC
45	CCV5	Z0825	SW846	08/25/00	15:53		S	CONC
46	CCB5	Z0825	SW846	08/25/00	15:58		S	CONC
47	BSL082500	Z0825	SW846	08/25/00	16:16		S	CONC
48	PBL082500	Z0825	SW846	08/25/00	16:21		S	CONC
49	222657D-2	Z0825	SW846	08/25/00	16:26		S	CONC
50	222357-2	Z0825	SW846	08/25/00	16:31		S	CONC
51	222657L-2	Z0825	SW846	08/25/00	16:36		S	CONC
52	222657MS-2	Z0825	SW846	08/25/00	16:41		S	CONC
53	222657MSD-2	Z0825	SW846	08/25/00	16:46		S	CONC

307096

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	222657A-2	Z0825	SW846	08/25/00	16:51		S	CONC
55	222651-2	Z0825	SW846	08/25/00	16:56		S	CONC
56	222652-2	Z0825	SW846	08/25/00	17:01		S	CONC
57	CCV6	Z0825	SW846	08/25/00	17:06		S	CONC
58	CCB6	Z0825	SW846	08/25/00	17:11		S	CONC
59	222658-2	Z0825	SW846	08/25/00	17:16		S	CONC
60	222660-2	Z0825	SW846	08/25/00	17:21		S	CONC
61	TCTB081800-2	Z0825	SW846	08/25/00	17:26		S	CONC
62	ICSA2	Z0825	SW846	08/25/00	17:31		S	CONC
63	ICSAB2	Z0825	SW846	08/25/00	17:36		S	CONC
64	CCV7	Z0825	SW846	08/25/00	17:41		S	CONC
65	CCB7	Z0825	SW846	08/25/00	17:46		S	CONC

307097

#	Sample Name	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265
1	HSA	476800.	1956.	9748.	19010.	1940.	4847.
2	ICV/CCV1	249800.	1015.	4972.	9936.	1018.	2538.
3	ICB/CCB1	-7.835	4.397	.6604	.0886	-.0314	.1366
4	ICSA1	514400.	3.067	.3166	.4032	-.0495	-3.992
5	ICSAB1	493000.	106.0	100.2	103.8	98.67	93.97
6	INT-20	129.1	-29.12	104.7	.2459	3.037	.5889
7	MCL	232.7	11.13	7.075	19.86	1.974	4.142
8	BSS082100	2076.	472.4	1926.	1926.	49.37	48.80
9	PBS082100	-28.19	1.509	.3171	-.0318	-.0777	-.1497
10	LCSS-244-2	21740.	190.6	399.9	743.9	272.2	959.9
11	LCSS-244-D-2	20250.	179.7	382.9	713.2	260.4	917.0
12	223656D-5	17190.	5.063	48.57	463.7	1.302	5.133
13	223656-5	14770.	9.027	81.01	428.3	1.185	4.307
14	CCV2	249500.	1022.	4952.	9939.	1020.	2500.
15	CCB2	-17.20	2.735	1.143	-.1234	.0321	.1893
16	223656L-5	3035.	4.225	17.36	84.60	.2118	.8553
17	223656MS-5	16780.	59.68	472.8	688.0	10.74	14.88
18	223656MSD-5	18120.	54.83	407.0	762.3	10.77	15.79
19	223656A-5	17420.	488.2	2060.	2434.	50.82	54.52
20	223699-5	7281.	4.547	14.55	270.5	.5559	-.7189
21	223700-5	3803.	2.444	13.24	66.26	.3807	-.6138
22	223701-PB	-14.75	2.515	-.0525	-.2570	-.0132	-.0260
23	223344-5	36030.	.2289	4.772	75.34	5.818	-1.747
24	223345-5	13300.	1.984	2.681	65.03	3.468	-1.117
25	223346-5	27640.	-.3150	6.339	64.49	3.458	-1.421
26	CCV3	251800.	1032.	4970.	10010.	1026.	2508.
27	CCB3	-24.42	2.492	1.175	-.1188	.1294	.2036
28	223347-5	29840.	1.064	5.391	62.82	5.583	-1.504
29	223022-PB	-16.35	2.735	.2891	-.4446	.0320	-.1003
30	223544-5	16510.	2.936	15.11	215.3	.9293	.6505
31	223553-5	17070.	.7613	15.58	180.7	.9143	.1680
32	223560-PB	-18.01	-1.224	1.711	-.4848	.0821	-.1535
33	223648-5	21400.	4.016	14.05	257.2	2.395	-.2138
34	223649-5	19270.	2.961	19.66	250.0	1.824	-.4011
35	223650-5	18270.	3.016	17.27	271.5	1.588	2.714
36	223651-5	18300.	3.061	11.00	170.5	1.674	1.328
37	223652-5	19340.	2.692	8.179	168.3	1.717	-1.109
38	CCV4	249400.	1024.	4917.	9974.	1020.	2477.
39	CCB4	-28.76	4.501	2.359	-.1101	.0970	.1342
40	223653-5	19970.	3.232	8.584	165.6	1.673	-.8922
41	223654-5	16000.	4.953	5.147	129.4	1.475	-.8780
42	223655-5	17940.	5.981	6.068	145.4	1.550	-1.189
43	ICSA2	496100.	3.158	2.809	.7805	.1545	-3.471
44	ICSAB2	489500.	106.5	102.4	104.1	98.92	91.34
45	CCV5	250600.	1048.	4946.	10090.	1033.	2481.
46	CCB5	-21.64	1.562	.5350	-.1916	.0833	-.0455
47	BSL082500	-44.70	1008.	5066.	9999.	1017.	1031.
48	PBL082500	-49.24	.9606	1.724	.0232	.1394	-.0516
49	222657D-2	45.21	3.975	1.589	1256.	.0655	-.0109
50	222357-2	-34.42	3.718	.8124	1260.	.0287	-.0407
51	222657L-2	-39.85	2.391	1.134	248.7	.0497	-.0872
52	222657MS-2	23.00	468.9	2347.	5881.	471.3	475.2
53	222657MSD-2	-21.68	434.2	2191.	5490.	440.8	445.3

307098

#	Sample Name	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265
54	222657A-2	2304.	565.0	2258.	3315.	58.99	56.89
55	222651-2	2010.	.9796	3.680	1573.	.1498	.0011
56	222652-2	2847.	.2061	5.356	1958.	.1494	-.1380
57	CCV6	249900.	1043.	4909.	10060.	1034.	2465.
58	CCB6	-36.24	.2542	1.826	-.0899	.1901	.0857
59	222658-2	860.4	2.438	4.496	778.0	.0866	.0461
60	222660-2	382.1	2.674	4.499	999.7	.0952	-.0639
61	TCTB081800-2	-38.76	1.713	-.5644	-.5243	.0858	-.0515
62	ICSA2	515300.	3.977	-.6796	.0644	.0016	-3.674
63	ICSAB2	485000.	103.9	103.5	104.7	98.66	90.55
64	CCV7	255700.	1065.	5044.	10340.	1059.	2523.
65	CCB7	-18.07	1.993	2.985	-.1252	.0454	.1212

#	Sample Name	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mg2790
1	HSA	241900.	9614.	4780.	24150.	193000.	249600.
2	ICV/CCV1	127400.	5112.	2496.	12610.	101100.	125400.
3	ICB/CCB1	-7.785	.3976	-.0904	.3362	-2.508	2.700
4	ICSA1	498600.	4.059	-.4690	-3.024	195900.	524700.
5	ICSAB1	483100.	101.2	97.25	100.3	196200.	522100.
6	INT-20	184.9	20140.	20840.	1.535	68.12	103.4
7	MCL	2179.	13.65	24.98	25.77	174.8	2073.
8	BSS082100	19760.	195.8	489.8	242.6	994.5	18940.
9	PBS082100	92.49	.6068	-.6235	-.2485	.9642	13.94
10	LCSS-244-2	9178.	330.5	380.8	443.5	52690.	5608.
11	LCSS-244-D-2	8690.	314.4	361.4	424.5	48010.	5252.
12	223656D-5	4934.	61.69	28.12	151.4	167100.	4213.
13	223656-5	4816.	76.96	29.13	183.3	185500.	3662.
14	CCV2	126900.	5113.	2480.	12610.	101300.	125900.
15	CCB2	-10.46	.3185	.1812	.0405	6.334	2.103
16	223656L-5	968.2	15.48	4.973	35.99	36710.	725.0
17	223656MS-5	8181.	108.3	130.1	263.6	H200300.	7992.
18	223656MSD-5	8758.	94.62	120.4	227.0	122800.	7971.
19	223656A-5	25040.	276.5	537.1	442.1	192600.	23190.
20	223699-5	3242.	16.13	5.221	69.32	58600.	615.7
21	223700-5	1525.	13.50	5.433	367.9	41380.	1118.
22	223701-FB	67.09	2.801	-.9233	-.1976	339.0	6.399
23	223344-5	1344.	42.78	22.03	41.59	73370.	30490.
24	223345-5	516.1	18.62	15.39	20.61	43300.	14980.
25	223346-5	1633.	31.78	19.79	30.59	56150.	17360.
26	CCV3	127400.	5151.	2494.	12730.	101800.	126900.
27	CCB3	-11.00	.2578	.1501	.0375	6.206	2.760
28	223347-5	1072.	35.55	19.95	35.23	68720.	22910.
29	223022-FB	47.39	.0628	-.6443	-.2140	2.943	2.896
30	223544-5	9498.	67.89	11.51	84.21	30990.	5348.
31	223553-5	8083.	54.96	10.99	90.84	36730.	4896.
32	223560-FB	502.5	-.3016	-.6906	1.044	-3.477	.4245
33	223648-5	2255.	45.89	21.02	63.37	60440.	5290.
34	223649-5	1935.	40.94	19.44	83.85	53030.	4755.
35	223650-5	2546.	42.38	17.94	67.02	66850.	4237.
36	223651-5	2231.	42.63	24.29	37.21	56310.	5768.
37	223652-5	1041.	39.97	18.68	16.53	49040.	4355.
38	CCV4	126100.	5106.	2469.	12680.	100900.	125600.

307099

#	Sample Name	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mg2790
39	CCB4	-5.929	.4301	.0148	.7529	4.516	1.373
40	223653-5	1515.	40.91	19.65	22.58	50530.	4695.
41	223654-5	1503.	33.77	21.09	18.44	47710.	5287.
42	223655-5	1497.	39.31	20.62	18.10	51110.	4976.
43	ICSA2	482000.	4.093	-.8418	-1.455	189500.	509900.
44	ICSAB2	480700.	100.3	94.62	101.4	194700.	520000.
45	CCV5	129700.	5146.	2478.	12810.	101900.	126400.
46	CCB5	-.4240	-.0798	-.0865	.2989	-3.585	6.600
47	BSL082500	1.995	5050.	-.7351	1026.	1022.	-9.735
48	PBL082500	-7.745	.4055	-1.044	.1185	-4.799	-6.976
49	222657D-2	1716.	.3350	-.5847	.7423	1.119	234.6
50	222357-2	1724.	.4582	-.2987	1.123	4.549	237.6
51	222657L-2	335.7	.4060	-.5207	.8215	-.8912	42.65
52	222657MS-2	1611.	2344.	-.4687	478.8	479.8	218.6
53	222657MSD-2	1495.	2188.	-.5424	447.3	445.7	201.6
54	222657A-2	24430.	228.9	574.1	287.7	1183.	22680.
55	222651-2	2593.	2.512	-.1091	3.644	1394.	425.3
56	222652-2	1590.	4.037	-.6341	2.209	2283.	288.4
57	CCV6	127400.	5130.	2467.	12780.	101300.	126500.
58	CCB6	-7.827	.4465	.5306	1.240	.3205	.8661
59	222658-2	1324.	1.809	-.7245	2.983	466.0	197.6
60	222660-2	1417.	.5944	-.5439	1.594	174.0	240.6
61	TCTB081800-2	6.294	-.1855	-.4387	.6065	-3.034	-7.543
62	ICSA2	499500.	3.968	-1.630	-2.193	196000.	527500.
63	ICSAB2	477900.	100.3	93.72	101.9	193200.	513400.
64	CCV7	132400.	5248.	2521.	13150.	104000.	128900.
65	CCB7	-1.009	.3509	.2512	1.101	-.7342	5.852

#	Sample Name	Mn2576	Ni2316	Ag3280	V_2924	Zn2062	Ti3349
1	HSA	9673.	4763.	2469.	4831.	14550.	9806.
2	ICV/CCV1	5109.	2503.	1235.	2513.	7522.	5094.
3	ICB/CCB1	.0874	-.0072	.3337	.8280	-.4149	.4822
4	ICSA1	1.750	3.327	-1.210	.3277	5.958	2.878
5	ICSAB1	101.4	100.2	102.8	101.6	104.5	101.9
6	INT-20	19980.	20910.	.5985	20460.	13.20	20680.
7	MCL	18.47	25.18	10.33	24.52	32.82	24.63
8	BSS082100	488.6	493.5	46.57	491.5	501.7	490.5
9	PBS082100	-.0870	.0455	-.4040	-1.221	1.823	.0514
10	LCSS-244-2	826.2	544.9	369.9	567.9	424.8	1420.
11	LCSS-244-D-2	775.8	517.4	352.9	539.7	402.7	1316.
12	223656D-5	3917.	52.36	-.5088	55.81	2427.	316.7
13	223656-5	7300.	56.03	-.4690	47.13	2264.	259.8
14	CCV2	5123.	2486.	L1048.	2520.	7552.	5030.
15	CCB2	.0660	.0327	.8171	.1133	-.6736	.3426
16	223656L-5	1462.	11.20	-.3799	9.079	455.8	51.68
17	223656MS-5	3643.	163.2	8.885	142.5	3118.	341.0
18	223656MSD-5	3504.	145.3	9.536	147.1	2490.	366.9
19	223656A-5	8036.	567.2	51.99	551.5	2841.	770.6
20	223699-5	219.4	18.32	-.9558	34.04	593.2	135.4
21	223700-5	150.8	11.96	-.0483	27.03	308.3	101.0
22	223701-PB	2.215	.4494	-.1026	-.5754	1.703	.3323
23	223344-5	1083.	49.53	-1.033	88.83	141.7	987.2

307100

#	Sample Name	Mn2576	Ni2316	Ag3280	V_2924	Zn2062	Ti3349
24	223345-5	1232.	27.76	-.6232	43.92	56.20	434.3
25	223346-5	900.9	35.09	-1.112	72.43	103.6	838.3
26	CCV3	5152.	2501.	1241.	2544.	7623.	5068.
27	CCB3	-.0738	.5145	.4447	-.1220	-.7786	.3572
28	223347-5	1057.	44.50	-1.080	77.45	130.8	935.9
29	223022-FB	-.1714	.5594	-.2288	-.4177	.9575	.4583
30	223544-5	580.3	33.35	.1987	51.96	396.1	405.6
31	223553-5	542.3	26.39	-.2728	72.00	315.1	640.8
32	223560-FB	-.1447	-.1830	-.3066	-.8581	12.38	.2546
33	223648-5	1906.	35.28	-.4922	58.00	500.4	339.3
34	223649-5	1930.	31.55	-.8662	54.39	348.4	332.9
35	223650-5	1726.	29.59	-.1436	53.12	936.6	297.8
36	223651-5	2314.	33.75	-.8228	58.27	500.3	318.0
37	223652-5	1855.	25.32	-.3057	57.40	86.29	312.6
38	CCV4	5119.	2473.	L1038.	2529.	7529.	5012.
39	CCB4	-.0059	.6126	.5932	-.1541	-.8448	.3466
40	223653-5	1710.	28.46	.0392	58.73	146.4	315.0
41	223654-5	1346.	30.98	-.4386	47.78	123.1	280.7
42	223655-5	1556.	28.08	-.4039	55.98	101.1	310.0
43	ICSA2	1.923	2.798	-.2855	-.5568	6.045	2.742
44	ICSAB2	101.2	97.66	102.5	100.6	104.0	100.5
45	CCV5	5160.	2471.	1176.	2560.	7574.	5049.
46	CCB5	-.1396	.3015	.4792	-.9168	-.8324	.2735
47	BSL082500	1035.	1045.	484.7	1039.	1080.	.0917
48	PBL082500	-.0425	.5504	-.4331	-1.143	1.095	.0656
49	222657D-2	4.440	.9774	-.1922	-1.108	2113.	1.721
50	222357-2	4.649	1.064	.2318	-.2961	2132.	.8694
51	222657L-2	.6063	.4776	-.1617	-.9125	420.0	.3068
52	222657MS-2	484.3	482.5	225.7	484.2	2476.	3.648
53	222657MSD-2	452.2	450.1	210.4	452.3	2309.	1.974
54	222657A-2	581.2	574.4	60.24	590.0	2314.	572.3
55	222651-2	30.04	2.336	-.1141	7.657	1279.	41.19
56	222652-2	4.955	2.164	-.5934	4.886	1075.	22.10
57	CCV6	5142.	2452.	L1079.	2556.	7571.	5011.
58	CCB6	-.0982	.8839	.8088	-.2166	-.4240	.5313
59	222658-2	2.985	1.172	.0823	.7098	994.2	16.44
60	222660-2	11.49	3.135	-.0046	.8637	1053.	12.78
61	TCTB081800-2	-.0608	-.0569	-.1382	-.7548	2.246	.0301
62	ICSA2	1.748	2.485	-.8524	-1.106	5.573	2.670
63	ICSAB2	100.8	97.24	102.6	100.6	102.7	101.9
64	CCV7	5265.	2509.	1163.	2617.	7720.	5148.
65	CCB7	-.0617	.5523	3.222	-.5805	-.9442	.4069

#	Sample Name	Sn1899	Pb2203	La3988	Mo2020
1	HSA	4830.	19140.	964.6	2410.
2	ICV/CCV1	2537.	10040.	498.6	1270.
3	ICB/CCB1	1.476	-.4202	.7080	.7584
4	ICSA1	-4.559	-1.570	.7764	-.6483
5	ICSAB1	195.9	96.61	101.3	97.79
6	INT-20	-2.154	-1.022	19950.	19760.
7	MCL	21.50	4.578	4.745	48.11
8	BSS082100	12.376	484.9	1.265	498.7

307101

#	Sample Name	Sn1899	Pb2203	La3988	Mo2020
9	PBS082100	-.4257	-.3279	.5312	1.518
10	LCSS-244-2	356.4	287.9	102.7	358.5
11	LCSS-244-D-2	337.8	274.7	93.96	340.6
12	223656D-5	627.6	845.8	19.50	4.943
13	223656-5	823.1	962.8	15.91	7.053
14	CCV2	2531.	10040.	498.6	1269.
15	CCB2	-.7461	-1.143	1.041	.9875
16	223656L-5	165.4	192.5	3.435	1.274
17	223656MS-5	1425.	907.1	15.79	101.5
18	223656MSD-5	633.3	1030.	18.57	101.5
19	223656A-5	851.8	1494.	15.63	512.8
20	223699-5	531.1	703.9	30.04	4.280
21	223700-5	432.6	219.7	10.17	3.954
22	223701-FB	2.478	.0761	.3423	.3853
23	223344-5	.3041	26.65	55.45	1.342
24	223345-5	.5187	25.07	47.35	.7211
25	223346-5	.5415	26.66	42.69	1.808
26	CCV3	2547.	10150.	502.1	1278.
27	CCB3	-.4010	.2086	.6928	1.137
28	223347-5	.3336	20.92	46.39	1.254
29	223022-FB	.2692	.0713	1.098	.3967
30	223544-5	10.34	259.2	25.56	2.256
31	223553-5	6.442	193.2	22.60	1.376
32	223560-FB	-.3733	-.2083	.1354	.3768
33	223648-5	110.0	207.1	19.91	1.354
34	223649-5	119.2	195.8	18.77	1.007
35	223650-5	157.1	402.2	18.29	1.251
36	223651-5	8.752	71.08	13.21	.8270
37	223652-5	.9493	32.48	21.67	1.432
38	CCV4	2512.	9971.	498.4	1269.
39	CCB4	.2800	-.8358	1.385	1.277
40	223653-5	9.307	64.85	21.89	1.020
41	223654-5	2.562	36.69	14.84	1.061
42	223655-5	.9315	35.26	17.79	1.078
43	ICSA2	-2.177	-1.666	.5183	-.6893
44	ICSAB2	193.4	95.05	100.9	97.39
45	CCV5	2529.	10030.	503.5	1284.
46	CCB5	-.5907	-1.153	-.2530	.6164
47	BSL082500	.7739	5183.	.3301	.7485
48	PBL082500	-.6463	-.2744	1.077	.3977
49	222657D-2	-.2925	.0434	1.499	.3447
50	222357-2	1.108	-1.025	1.930	.3931
51	222657L-2	-.1693	-1.002	1.770	-.0148
52	222657MS-2	-.6879	2379.	1.250	.1854
53	222657MSD-2	-.9634	2200.	.2030	-.1051
54	222657A-2	-.7045	575.6	1.127	594.3
55	222651-2	.1040	1.428	1.401	1.389
56	222652-2	.8266	11.76	1.157	.0690
57	CCV6	2514.	10060.	500.5	1282.
58	CCB6	.2781	-.4171	1.253	.8506
59	222658-2	.4343	.0782	1.523	.5195
60	222660-2	.5126	-.3742	1.171	.2530
61	TCTB081800-2	-.4948	-.9620	.3834	.3899
62	ICSA2	-3.641	-1.360	.7635	-1.291

307102

#	Sample Name	Sn1899	Pb2203	La3988	Mo2020		
63	ICSAB2	190.0	92.72	98.65	96.59		
64	CCV7	2581.	10210.	514.4	1313.		
65	CCB7	-.0317	-1.136	1.183	.9054		

307103

Method: SW846 Standard: STD1-BLANK
Run Time: 08/25/00 11:53:08

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avge	.2215	.0728	-.0423	.0035	-.2587	.1155	.2503
SDev	.0165	.0406	.1072	.0037	.0099	.2120	.0099
%RSD	7.473	55.81	253.7	106.8	3.844	183.5	3.957
#1	.2332	.1015	.0336	.0009	-.2517	.2654	.2573
#2	.2098	.0441	-.1181	.0062	-.2657	-.0344	.2433

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Avge	.0088	-.0078	.1000	.0023	.0671	.0109	-.0707
SDev	.0125	.0525	.0186	.0105	.0098	.0004	.0246
%RSD	141.4	668.6	18.62	463.6	14.54	3.957	34.78
#1	.0000	.0293	.1131	-.0052	.0602	.0112	-.0533
#2	.0176	-.0450	.0868	.0097	.0740	.0106	-.0881

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	La3988	Mo2020
Avge	.0287	.0346	.0967	.1986	-.0626	-.0434	-.0705
SDev	.1627	.0314	.0004	.3981	.3130	.0190	.0062
%RSD	567.7	90.93	.4277	200.4	499.6	43.72	8.782
#1	.1437	.0568	.0964	.4801	-.2839	-.0568	-.0749
#2	-.0864	.0123	.0970	-.0829	.1587	-.0300	-.0661

Elem	Sn1899	Ti3349
Avge	.0571	-.1092
SDev	.1493	.0123
%RSD	261.5	11.27
#1	.1626	-.1179
#2	-.0485	-.1005

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1148	--	--	--	--	--	--
SDev	19.54159	--	--	--	--	--	--
%RSD	1.701669	--	--	--	--	--	--
#1	1162	--	--	--	--	--	--
#2	1135	--	--	--	--	--	--

Method: SW846 Standard: STD4
Run Time: 08/25/00 11:58:06

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avge	116.9	6.014	43.43	51.31	29.09	400.8	150.5
SDev	.0	.025	.05	.03	.04	.7	.3
%RSD	.0353	.4139	.1119	.0641	.1368	.1710	.1757
#1	116.9	5.997	43.46	51.29	29.06	400.3	150.3
#2	116.9	6.032	43.39	51.34	29.11	401.3	150.7

307104

Avge	38.14	13.53	61.90	36.16	134.9	51.94	86.44
SDev	.06	.02	.03	.07	.3	.08	.12
%RSD	.1626	.1544	.0409	.1877	.1876	.1532	.1437
#1	38.09	13.51	61.88	36.11	134.7	51.89	86.35
#2	38.18	13.54	61.91	36.21	135.1	52.00	86.53

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	La3988	Mo2020
Avge	18.53	6.890	48.62	101.6	133.4	3.311	11.50
SDev	.00	.000	.02	.2	.2	.029	.02
%RSD	.0083	.0012	.0497	.2304	.1526	.8705	.1605
#1	18.53	6.890	48.60	101.4	133.2	3.291	11.49
#2	18.53	6.890	48.64	101.7	133.5	3.331	11.52

Elem	Sn1899	Ti3349
Avge	24.91	143.6
SDev	.10	.2
%RSD	.3831	.1485
#1	24.84	143.4
#2	24.98	143.7

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1118	--	--	--	--	--	--
SDev	2.039233	--	--	--	--	--	--
%RSD	.1824781	--	--	--	--	--	--
#1	1119	--	--	--	--	--	--
#2	1116	--	--	--	--	--	--

Method: SW846 Standard: STD3
Run Time: 08/25/00 12:03:05

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avge	567.9	28.95	212.0	248.2	141.6	1928.	724.2
SDev	.4	.08	.2	.1	.2	5.	2.0
%RSD	.0625	.2708	.0938	.0305	.1182	.2346	.2748
#1	567.6	29.00	211.9	248.2	141.4	1925.	722.8
#2	568.1	28.89	212.1	248.1	141.7	1932.	725.6

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Avge	183.8	64.74	302.7	174.3	669.8	251.3	410.4
SDev	.1	.06	.0	.2	1.2	.3	1.4
%RSD	.0750	.0925	.0068	.1295	.1761	.1158	.3318
#1	183.7	64.70	302.7	174.1	669.0	251.1	409.4
#2	183.9	64.78	302.7	174.4	670.6	251.5	411.4

307105

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	La3988	Mo2020
Avge	92.30	33.36	229.0	487.5	634.1	16.24	55.91
SDev	.09	.00	.5	3.3	.3	.00	.12

#1	92.24	33.36	228.6	485.1	633.9	16.24	55.83
#2	92.36	33.35	229.4	489.8	634.3	16.24	56.00

Elem	Sn1899	Ti3349
Avge	120.0	707.2
SDev	.2	.7
%RSD	.1509	.1049
#1	119.9	706.6
#2	120.2	707.7

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1102	--	--	--	--	--	--
SDev	3.425221	--	--	--	--	--	--
%RSD	.3107131	--	--	--	--	--	--
#1	1100	--	--	--	--	--	--
#2	1105	--	--	--	--	--	--

Method: SW846 Standard: STD2
Run Time: 08/25/00 12:08:04

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Avge	1087.	56.49	414.7	474.1	274.7	3765.	1393.
SDev	.	.23	.3	.5	.1	7.	2.
%RSD	.0051	.4079	.0667	.1122	.0316	.1740	.1372
#1	1087.	56.66	414.5	474.4	274.7	3760.	1392.
#2	1087.	56.33	414.9	473.7	274.8	3769.	1395.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Avge	355.0	124.8	590.4	337.7	1336.	486.5	791.2
SDev	.3	.1	1.3	.2	2.	.1	.7
%RSD	.0726	.0924	.2207	.0482	.1528	.0239	.0882
#1	354.8	124.7	591.4	337.6	1334.	486.4	790.7
#2	355.2	124.9	589.5	337.9	1337.	486.6	791.7

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	La3988	Mo2020
Avge	183.3	64.56	437.7	940.2	1230.	31.61	108.1
SDev	.2	.03	.7	6.3	10.	.02	.0
%RSD	.0924	.0513	.1693	.6670	.8246	.0767	.0049
#1	183.4	64.58	437.1	935.7	1223.	31.63	108.1
#2	183.2	64.53	438.2	944.6	1237.	31.59	108.1

Elem	Sn1899	Ti3349
Avge	232.6	1397.
SDev	.3	.
%RSD	.1139	.0151
#1	232.4	1397

307106

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1113	--	--	--	--	--	--
SDev	3.821242	--	--	--	--	--	--
%RSD	.3433065	--	--	--	--	--	--
#1	1116	--	--	--	--	--	--
#2	1110	--	--	--	--	--	--

Method: SW846 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	442.834	-113.118	12/31/99 11:23:00
Sb2068	206.838	Multiple	Standards	34.2568	-2.54120	12/31/99 11:23:00
As1890	189.042	Multiple	Standards	23.6052	.784002	12/31/99 11:23:00
Ba4934	493.409	Multiple	Standards	40.4556	-.823476	12/31/99 11:23:00
Be3130	313.042	Multiple	Standards	7.03675	1.76139	12/31/99 11:23:00
Cd2265	226.502	Multiple	Standards	1.29509	-.298728	12/31/99 11:23:00
Ca3179	317.933	Multiple	Standards	172.701	-51.6788	12/31/99 11:23:00
Cr2677	267.716	Multiple	Standards	27.1828	-.563131	12/31/99 11:23:00
Co2286	228.616	Multiple	Standards	38.6168	.115418	12/31/99 11:23:00
Cu3247	324.754	Multiple	Standards	41.3520	-4.63539	12/31/99 11:23:00
Fe2714	271.441	Multiple	Standards	574.006	-7.57711	12/31/99 11:23:00
Mg2790	279.079	Multiple	Standards	186.420	-13.6985	12/31/99 11:23:00
Mn2576	257.610	Multiple	Standards	19.9000	-.510739	12/31/99 11:23:00
Ni2316	231.604	Multiple	Standards	6.04399	.217547	12/31/99 11:23:00
Ag3280	328.068	Multiple	Standards	13.5674	-.398120	12/31/99 11:23:00
V_2924	292.402	Multiple	Standards	74.3632	-2.70295	12/31/99 11:23:00
Zn2062	206.200	Multiple	Standards	32.5698	-3.87062	12/31/99 11:23:00
2203/1	220.351	Multiple	Standards	20.7197	-4.81252	12/31/99 11:23:00
2203/2	220.352	Multiple	Standards	15.5949	.196874	12/31/99 11:23:00
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
La3988	398.852	Multiple	Standards	30.6898	1.30509	12/31/99 11:23:00
Mo2020	202.030	Multiple	Standards	22.3306	1.49836	12/31/99 11:23:00
Sn1899	189.989	Multiple	Standards	20.8170	-1.33966	12/31/99 11:23:00
Ti3349	334.941	Multiple	Standards	7.06680	.641581	12/31/99 11:23:00

Method: SW846

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-BLANK	.000000	-15.0408	15.0408
		STD4	50000.0	51656.8	-1656.79
		STD3	250000.	251359.	-1359.31
		STD2	500000.	481140.	18859.9

CorCoef: 0.99973

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	STD1-BLANK	.000000	-.047273	.047273
		STD4	200.000	203.487	-3.48695
		STD3	1000.00	989.051	10.9488
		STD2	2000.00	1932.79	67.2120

CorCoef: 0.99992

307107

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-BLANK	.000000	-.213912	.213912
		STD4	1000.00	1025.85	-25.8522
		STD3	5000.00	5004.92	-4.91504
		STD2	10000.0	9790.87	209.130

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	STD1-BLANK	.000000	-.681270	.681270
		STD4	2000.00	2075.06	-75.0596
		STD3	10000.0	10038.7	-38.6670
		STD2	20000.0	19178.1	821.930

CorCoef: 0.99970

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD1-BLANK	.000000	-.059088	.059088
		STD4	200.000	206.434	-6.43420
		STD3	1000.00	997.902	2.09760
		STD2	2000.00	1935.05	64.9469

CorCoef: 0.99987

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD1-BLANK	.000000	-.149099	.149099
		STD4	500.000	518.766	-18.7658
		STD3	2500.00	2497.28	2.71777
		STD2	5000.00	4875.53	124.473

CorCoef: 0.99992

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD1-BLANK	.000000	-8.45710	8.45710
		STD4	25000.0	25939.4	-939.424
		STD3	125000.	125011.	-11.3984
		STD2	250000.	240583.	9417.03

CorCoef: 0.99979

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD1-BLANK	.000000	-.323542	.323542
		STD4	1000.00	1036.09	-36.0864
		STD3	5000.00	4994.82	5.17871
		STD2	10000.0	9650.09	349.906

CorCoef: 0.99983

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD1-BLANK	.000000	-.187655	.187655
		STD4	500.000	522.530	-22.5303
		STD3	2500.00	2500.16	-.158936
		STD2	5000.00	4819.83	180.171

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.754	STD1-BLANK	.000000	-.500909	.500909
		STD4	2500.00	2554.91	-54.9089
		STD3	12500.0	12513.7	-13.6572
		STD2	25000.0	24411.6	588.398

CorCoef: 0.99991

307108

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD1-BLANK	.000000	-6.27619	6.27619
		STD4	20000.0	20749.5	-749.488
		STD3	100000.	100036.	-35.8203
		STD2	200000.	193863.	6137.41

CorCoef: 0.99986

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.079	STD1-BLANK	.000000	-1.18335	1.18335
		STD4	25000.0	25134.8	-134.846
		STD3	125000.	124849.	151.305
		STD2	250000.	248954.	1045.83

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD1-BLANK	.000000	-.294202	.294202
		STD4	1000.00	1033.18	-33.1824
		STD3	5000.00	5000.30	-.304199
		STD2	10000.0	9681.07	318.933

CorCoef: 0.99985

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD1-BLANK	.000000	-.210027	.210027
		STD4	500.000	522.655	-22.6545
		STD3	2500.00	2480.68	19.3201
		STD2	5000.00	4782.09	217.905

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD1-BLANK	.000000	-.009302	.009302
		STD4	250.000	250.992	-.992050
		STD3	1250.00	1251.87	-1.86646
		STD2	2500.00	2486.35	13.6531

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD1-BLANK	.000000	-.132636	.132636
		STD4	500.000	509.677	-9.67734
		STD3	2500.00	2477.70	22.2986
		STD2	5000.00	4797.82	202.177

CorCoef: 0.99985

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	STD1-BLANK	.000000	-.722376	.722376
		STD4	1500.00	1579.62	-79.6172
		STD3	7500.00	7454.11	45.8926
		STD2	15000.0	14250.6	749.386

CorCoef: 0.99971

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD1-BLANK	.000000	-.696827	.696827
		STD4	2000.00	2099.95	-99.9460
		STD3	10000.0	10095.5	-95.4980
		STD2	20000.0	19474.9	525.096

CorCoef: 0.99982

307109

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD1-BLANK	.000000	-.780095	.780095
		STD4	2000.00	2080.39	-80.3936
		STD3	10000.0	9889.07	110.929
		STD2	20000.0	19181.7	818.297

CorCoef: 0.99986

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	10.0000	.000000	10.0000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
La3988	398.852	STD1-BLANK	.000000	-.026187	.026187
		STD4	100.000	102.917	-2.91681
		STD3	500.000	499.679	.321381
		STD2	1000.00	971.475	28.5252

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-BLANK	.000000	-.075533	.075533
		STD4	250.000	258.391	-8.39069
		STD3	1250.00	1250.09	-.085571
		STD2	2500.00	2415.92	84.0776

CorCoef: 0.99984

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD1-BLANK	.000000	-.151567	.151567
		STD4	500.000	517.215	-17.2146
		STD3	2500.00	2497.68	2.31909
		STD2	5000.00	4841.19	158.808

CorCoef: 0.99986

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	STD1-BLANK	.000000	-.129971	.129971
		STD4	1000.00	1015.10	-15.0959
		STD3	5000.00	4998.04	1.96289
		STD2	10000.0	9869.47	130.534

CorCoef: 0.99998

Method: SW846 Sample Name: HSA Operator:
Run Time: 08/25/00 12:14:24
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	476800.	1956.	9748.	19010.	1940.	4847.	241900.
SDev	270.	2.	18.	12.	4.	14.	688.
%RSD	.0566	.0969	.1841	.0631	.2175	.2952	.2844
#1	476900.	1958.	9761.	19020.	1943.	4858.	242400.
#2	476600.	1955.	9735.	19000.	1937.	4837.	241500.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	527400	2109	105400	21090	2109	5271	263700

307110

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9614.	4780.	24150.	193000.	249600.	9673.	4763.
SDev	22.	9.	11.	445.	693.	19.	13.
%RSD	.2340	.1800	.0451	.2307	.2777	.1953	.2637
#1	9630.	4786.	24150.	193300.	250100.	9686.	4772.
#2	9598.	4774.	24160.	192700.	249100.	9660.	4755.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10540.	5274.	26360.	210900.	263700.	10540.	5274.
Low	9451.	4726.	23630.	189100.	236300.	9451.	4726.

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	2469.	4831.	14550.	19170.	19120.	19140.	964.6
SDev	1.	11.	58.	156.	50.	85.	2.6
%RSD	.0431	.2372	.3998	.8120	.2639	.4467	.2679
#1	2469.	4839.	14590.	19280.	19150.	19200.	966.4
#2	2468.	4823.	14510.	19060.	19080.	19070.	962.7
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2637.	5274.	15820.			21100.	1054.
Low	2363.	4726.	14180.			18910.	945.1

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	2410.	4830.	9806.
SDev	3.	14.	19.
%RSD	.1144	.2829	.1914
#1	2412.	4839.	9819.
#2	2408.	4820.	9792.
Errors	LC Pass	LC Pass	LC Pass
High	2636.	5274.	10540.
Low	2363.	4726.	9451.

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1132	--	--	--	--	--	--
SDev	7.563246	--	--	--	--	--	--
%RSD	.6684218	--	--	--	--	--	--
#1	1126	--	--	--	--	--	--
#2	1137	--	--	--	--	--	--

307111

Method: SW846 Sample Name: ICV/CCV1 Operator:
Run Time: 08/25/00 12:19:23
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	249800.	1015.	4972.	9936.	1018.	2538.	127400.
SDev	726.	5.	8.	22.	3.	6.	453.
%RSD	.2905	.5210	.1645	.2198	.3113	.2188	.3558
#1	249300.	1011.	4967.	9920.	1016.	2534.	127100.
#2	250300.	1019.	4978.	9951.	1020.	2542.	127700.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276200.	1105.	5525.	11050.	1105.	2762.	138100.
Low	223800.	895.0	4475.	8950.	895.0	2238.	112000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5112.	2496.	12610.	101100.	125400.	5109.	2503.
SDev	17.	5.	24.	266.	537.	17.	7.
%RSD	.3385	.2054	.1904	.2627	.4281	.3296	.2892
#1	5099.	2492.	12600.	100900.	125000.	5097.	2498.
#2	5124.	2499.	12630.	101300.	125800.	5121.	2508.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	1235.	2513.	7522.	10070.	10020.	10040.	498.6
SDev	3.	8.	34.	17.	87.	52.	.4
%RSD	.2100	.3018	.4528	.1660	.8671	.5220	.0769
#1	1233.	2508.	7498.	10080.	9960.	10000.	498.4
#2	1237.	2518.	7546.	10060.	10080.	10070.	498.9
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	1381.	2762.	8285.			11050.	552.5
Low	1120.	2238.	6715.			8951.	447.5

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1270.	2537.	5094.
SDev	5.	10.	8.
%RSD	.3882	.3927	.1664
#1	1266.	2530.	5088.
#2	1273.	2544.	5100.
Errors	LC Pass	LC Pass	LC Pass
High	1381.	2762.	5525.
Low	1120.	2238.	4480.

307112

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

Avge	1116	--	--	--	--	--	--
SDev	2.257096	--	--	--	--	--	--
%RSD	.2022952	--	--	--	--	--	--
#1	1117	--	--	--	--	--	--
#2	1114	--	--	--	--	--	--

Method: SW846 Sample Name: ICB/CCB1 Operator:
Run Time: 08/25/00 12:24:21
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-7.835	4.397	.6604	.0886	-.0314	.1366	-7.785
SDev	7.258	1.591	3.115	.1778	.0054	.1167	2.736
%RSD	92.63	36.19	471.7	200.6	17.11	85.43	35.14
#1	-2.703	5.522	2.863	.2143	-.0276	.2191	-5.850
#2	-12.97	3.272	-1.542	-.0371	-.0352	.0541	-9.719
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	10.00	4.000	5.000	1.000	1.500	500.0
Low	-200.0	-10.00	-4.000	-5.000	-1.000	-1.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3976	-.0904	.3362	-2.508	2.700	.0874	-.0072
SDev	.0006	.0000	.1075	5.747	1.529	.1000	.4687
%RSD	.1631	.0494	31.96	229.2	56.63	114.4	6476.
#1	.3981	-.0904	.4122	-6.571	3.781	.1581	-.3386
#2	.3972	-.0904	.2602	1.556	1.619	.0167	.3242
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	50.00	500.0	5.000	5.000
Low	-5.000	-5.000	-5.000	-50.00	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.3337	.8280	-.4149	-4.817	1.762	-.4202	.7080
SDev	.4077	.8988	.1658	2.006	.259	.4949	.5760
%RSD	122.2	108.6	39.96	41.64	14.73	117.8	81.36
#1	.6220	1.464	-.2977	-3.399	1.578	-.0703	.3007
#2	.0454	.1925	-.5321	-6.236	1.945	-.7702	1.115
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	5.000	5.000	10.00			3.000	10.00
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.7584	1.476	.4822
SDev	.7113	.627	.0222
%RSD	93.79	42.48	4.613

307113

#1	1.261	1.919	.4664
#2	.2554	1.033	.4979
Errors	LC Pass	LC Pass	LC Pass
High	5.000	5.000	10.00
Low	-5.000	-5.000	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1131	--	--	--	--	--	--
SDev	.9503474	--	--	--	--	--	--
%RSD	.0840123	--	--	--	--	--	--
#1	1131	--	--	--	--	--	--
#2	1132	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA1 Operator:
Run Time: 08/25/00 12:29:20
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	514400.	3.067	.3166	.4032	-.0495	-3.992	498600.
SDev	107.	2.776	1.431	.0844	.0030	.019	653.
%RSD	.0208	90.54	452.0	20.94	6.012	.4663	.1310
#1	514300.	1.103	-.6952	.3435	-.0516	-4.005	498100.
#2	514500.	H5.030	1.328	.4629	-.0474	-3.979	499000.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	5.000	4.000	5.000	1.000	5.000	600000.
Low	400000.	-5.000	-4.000	-5.000	-1.000	-5.000	400000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.059	-.4690	-3.024	195900.	524700.	1.750	3.327
SDev	.078	.1721	.210	129.	350.	.071	.291
%RSD	1.911	36.70	6.938	.0658	.0668	4.037	8.760
#1	4.114	-.5907	-3.173	195800.	524400.	1.800	3.533
#2	4.004	-.3473	-2.876	196000.	524900.	1.700	3.121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	5.000	5.000	240000.	600000.	5.000	5.000
Low	-10.00	-5.000	-5.000	160000.	400000.	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-1.210	.3277	5.958	71.17	-37.90	-1.570	.7764
SDev	.190	.2428	.042	2.70	5.53	2.790	.1957
%RSD	15.68	74.09	.7014	3.790	14.59	177.7	25.21
#1	-1.344	.1560	5.987	69.27	-33.99	.4026	.6380

307114

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	5.000	5.000	10.00			3.000	5.000
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	-.6483	-4.559	2.878
SDev	.2819	.834	.043
%RSD	43.48	18.30	1.487
#1	-.8476	L-5.149	2.847
#2	-.4490	-3.969	2.908

Errors	LC Pass	LC Pass	LC Pass
High	5.000	5.000	10.00
Low	-5.000	-5.000	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1103	--	--	--	--	--	--
SDev	2.356102	--	--	--	--	--	--
%RSD	.2137027	--	--	--	--	--	--
#1	1104	--	--	--	--	--	--
#2	1101	--	--	--	--	--	--

Method: SW846 Sample Name: ICSAB1 Operator:
Run Time: 08/25/00 12:34:18
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493000.	106.0	100.2	103.8	98.67	93.97	483100.
SDev	332.	2.2	1.4	.0	.03	.02	268.
%RSD	.0674	2.104	1.377	.0127	.0336	.0227	.0555
#1	492700.	107.6	101.2	103.8	98.70	93.95	482900.
#2	493200.	104.4	99.27	103.8	98.65	93.99	483300.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	120.0	600000.
Low	400000.	80.00	80.00	80.00	80.00	80.00	400000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101.2	97.25	100.3	196200.	522100.	101.4	100.2
SDev	.1	.21	.8	168.	730.	.0	.7
%RSD	.1105	.2193	.8443	.0859	.1399	.0257	.7475
#1	101.1	97.10	100.9	196100.	521600.	101.3	99.66
#2	101.3	97.40	99.68	196300.	522600.	101.4	100.7

307115

High	120.0	120.0	120.0	240000.	600000.	120.0	120.0
Low	80.00	80.00	80.00	160000.	400000.	80.00	80.00

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	102.8	101.6	104.5	166.8	61.56	96.61	101.3
SDev	.1	.1	.3	3.2	1.33	1.97	.9
%RSD	.1384	.0526	.2720	1.942	2.160	2.036	.8869
#1	102.9	101.7	104.7	164.5	60.62	95.22	100.7
#2	102.7	101.6	104.3	169.1	62.50	98.00	102.0
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	120.0	120.0	120.0			120.0	120.0
Low	80.00	80.00	80.00			80.00	80.00

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	97.79	195.9	101.9
SDev	.05	.2	.0
%RSD	.0482	.1136	.0305
#1	97.76	196.0	101.9
#2	97.82	195.7	101.8
Errors	LC Pass	LC Pass	LC Pass
High	120.0	240.0	120.0
Low	80.00	160.0	80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1098	--	--	--	--	--	--
SDev	.1187718	--	--	--	--	--	--
%RSD	.0108208	--	--	--	--	--	--
#1	1098	--	--	--	--	--	--
#2	1098	--	--	--	--	--	--

Method: SW846 Sample Name: INT-20 Operator:
Run Time: 08/25/00 12:39:16
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	129.1	-29.12	104.7	.2459	3.037	.5889	184.9
SDev	11.6	.41	.6	.1188	.020	.0120	7.7
%RSD	8.991	1.414	.6002	48.32	.6636	2.039	4.185
#1	137.3	-29.41	105.1	.1619	3.023	.5804	190.3
#2	120.9	-28.83	104.3	.3299	3.051	.5974	179.4
Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

307116

SDev	117.	134.	.107	11.62	3.0	98.	145.
%RSD	.5786	.6413	6.959	17.07	2.881	.4897	.6939
#1	20220.	20930.	1.611	76.34	105.6	20050.	21010.
#2	20060.	20740.	1.460	59.90	101.3	19920.	20800.

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.5985	20460.	13.20	-2.667	-.2168	-1.022	19950.
SDev	.9452	106.	.15	1.638	1.1583	1.318	123.
%RSD	157.9	.5189	1.134	61.43	534.3	128.9	.6180
#1	1.267	20530.	13.31	-1.508	.6022	-.0902	20040.
#2	-.0698	20380.	13.10	-3.825	-1.036	-1.954	19860.

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	19760.	-2.154	20680.
SDev	105.	.679	124.
%RSD	.5300	31.53	.5989
#1	19840.	-1.674	20770.
#2	19690.	-2.634	20590.

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1153	--	--	--	--	--	--
SDev	5.702084	--	--	--	--	--	--
%RSD	.4945502	--	--	--	--	--	--
#1	1149	--	--	--	--	--	--
#2	1157	--	--	--	--	--	--

Method: SW846 Sample Name: MCL Operator:
Run Time: 08/25/00 12:44:15
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	232.7	11.13	7.075	19.86	1.974	4.142	2179.
SDev	.3	1.79	.305	.01	.003	.023	1.
%RSD	.1322	16.10	4.317	.0653	.1384	.5478	.0422
#1	232.9	9.865	7.291	19.85	1.976	4.126	2179.
#2	232.5	12.40	6.859	19.87	1.972	4.159	2180.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.65	24.98	25.77	174.8	2073.	18.47	25.18
SDev	.16	.16	.01	6.3	4.	.12	.06
%RSD	1.151	.6452	.0376	3.629	.2012	.6412	.2491
#1	13.54	25.10	25.76	170.4	2070.	18.55	25.14

307117

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	10.33	24.52	32.82	.0690	6.817	4.578	4.745
SDev	.61	.71	.21	.6922	1.773	.952	.268
%RSD	5.904	2.901	.6512	1003.	26.01	20.80	5.647
#1	9.896	25.02	32.67	.5585	5.563	3.905	4.934
#2	10.76	24.01	32.97	-.4204	8.070	5.252	4.555

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	48.11	21.50	24.63
SDev	1.69	.26	.15
%RSD	3.509	1.230	.6265
#1	49.30	21.31	24.74
#2	46.91	21.68	24.52

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1160	--	--	--	--	--	--
SDev	2.039319	--	--	--	--	--	--
%RSD	.1758037	--	--	--	--	--	--
#1	1159	--	--	--	--	--	--
#2	1161	--	--	--	--	--	--

Method: SW846 Sample Name: BSS082100 Operator:
Run Time: 08/25/00 12:49:13
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2076.	472.4	1926.	1926.	49.37	48.80	19760.
SDev	.	1.4	2.	.	.01	.00	6.
%RSD	.0065	.2997	.1206	.0218	.0280	.0002	.0319
#1	2076.	471.4	1925.	1926.	49.36	48.80	19770.
#2	2076.	473.4	1928.	1926.	49.38	48.80	19760.
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	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	195.8	489.8	242.6	994.5	18940.	488.6	493.5
SDev	.6	.2	.4	2.5	6.	.3	.5
%RSD	.3079	.0366	.1616	.2550	.0314	.0527	.0966
#1	196.3	489.9	242.9	992.7	18950.	488.8	493.2
#2	195.4	489.7	242.4	996.3	18940.	488.4	493.8

307118

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	240.0	600.0	300.0	1200.	24000.	600.0	600.0
Low	160.0	400.0	200.0	800.0	16000.	400.0	400.0

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	46.57	491.5	501.7	479.5	487.6	484.9	1.265
SDev	.56	.4	.1	2.5	2.0	2.1	.286
%RSD	1.204	.0819	.0195	.5154	.4035	.4404	22.65
#1	46.97	491.8	501.6	481.3	489.0	486.4	1.467
#2	46.17	491.3	501.8	477.8	486.2	483.4	1.062

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	60.00	600.0	600.0			600.0	
Low	40.00	400.0	400.0			400.0	

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	498.7	L2.376	490.5
SDev	.1	.978	.2
%RSD	.0126	41.17	.0317
#1	498.7	L3.068	490.6
#2	498.8	L1.685	490.4

Errors	LC Pass	LC Low	LC Pass
High	600.0	600.0	600.0
Low	400.0	400.0	400.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1136	--	--	--	--	--	--
SDev	1.920461	--	--	--	--	--	--
%RSD	.1690586	--	--	--	--	--	--
#1	1135	--	--	--	--	--	--
#2	1137	--	--	--	--	--	--

Method: SW846 Sample Name: PBS082100 Operator:
Run Time: 08/25/00 12:54:12
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-28.19	1.509	.3171	-.0318	-.0777	-.1497	92.49
SDev	1.90	1.053	.2513	.0748	.0127	.0365	.03
%RSD	6.741	69.77	79.27	235.0	16.38	24.36	.0349
#1	-26.85	.7648	.4948	-.0847	-.0867	-.1755	92.47
#2	-29.54	2.254	.1393	.0211	-.0687	-.1239	92.51

307119

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	10.00	4.000	5.000	3.000	3.500	1000.

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21740.	190.6	399.9	743.9	272.2	959.9	9178.
SDev	57.	.9	1.6	1.7	.8	2.2	29.
%RSD	.2628	.4968	.4041	.2255	.2900	.2258	.3128
#1	21700.	191.3	398.8	742.7	271.7	958.4	9157.
#2	21780.	189.9	401.1	745.1	272.8	961.4	9198.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	34100.	298.0	472.5	895.0	321.0	1115.	11900.
Low	13000.	47.05	279.5	560.0	204.5	700.0	6000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	330.5	380.8	443.5	52690.	5608.	826.2	544.9
SDev	2.0	1.5	.2	181.	19.	2.2	.2
%RSD	.5939	.3860	.0517	.3439	.3383	.2605	.0439
#1	329.1	379.7	443.3	52560.	5595.	824.6	545.1
#2	331.8	381.8	443.6	52810.	5622.	827.7	544.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	397.0	437.5	510.0	71500.	7250.	950.0	620.0
Low	264.0	288.5	353.0	22550.	4430.	615.0	397.5

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	369.9	567.9	424.8	285.5	289.1	287.9	102.7
SDev	.2	2.0	1.4	.4	1.0	.8	.4
%RSD	.0616	.3464	.3370	.1288	.3368	.2683	.4359
#1	369.7	566.5	423.8	285.2	288.4	287.4	102.4
#2	370.0	569.3	425.9	285.7	289.8	288.5	103.1
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	450.0	735.0	488.5			370.0	
Low	267.0	380.0	308.0			197.5	

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	358.5	356.4	1420.
SDev	1.3	.2	6.
%RSD	.3683	.0618	.4396
#1	357.6	356.2	1415.
#2	359.5	356.5	1424.
Errors	LC Pass	LC Pass	LC Pass
High	421.5	420.0	1985.
Low	261.0	251.0	880.0

307120

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1177	--	--	--	--	--	--
SDev	1.346369	--	--	--	--	--	--
%RSD	.1143673	--	--	--	--	--	--
#1	1178	--	--	--	--	--	--
#2	1176	--	--	--	--	--	--

Method: SW846 Sample Name: LCSS-244-D-2 Operator:
Run Time: 08/25/00 13:04:09
Comment: 10037
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20250.	179.7	382.9	713.2	260.4	917.0	8690.
SDev	983.	6.3	17.2	33.8	12.3	41.9	410.
%RSD	4.854	3.512	4.499	4.734	4.743	4.565	4.712
#1	19550.	175.2	370.7	689.3	251.6	887.4	8400.
#2	20940.	184.1	395.0	737.1	269.1	946.6	8979.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	34100.	298.0	472.5	895.0	321.0	1115.	11900.
Low	13000.	47.05	279.5	560.0	204.5	700.0	6000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	314.4	361.4	424.5	48010.	5252.	775.8	517.4
SDev	14.8	16.7	19.5	2277.	254.	35.9	23.7
%RSD	4.716	4.628	4.598	4.744	4.829	4.625	4.571
#1	303.9	349.5	410.6	46400.	5072.	750.4	500.7
#2	324.8	373.2	438.3	49620.	5431.	801.2	534.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	397.0	437.5	510.0	71500.	7250.	950.0	620.0
Low	264.0	288.5	353.0	22550.	4430.	615.0	397.5

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	352.9	539.7	402.7	278.2	272.9	274.7	93.96
SDev	15.6	25.2	18.7	11.8	12.0	11.9	4.68
%RSD	4.423	4.663	4.654	4.235	4.401	4.344	4.975
#1	341.8	521.9	389.5	269.9	264.4	266.3	90.66
#2	363.9	557.5	416.0	286.6	281.4	283.1	97.27
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	450.0	735.0	488.5			370.0	
Low	267.0	380.0	308.0			197.5	

307121

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	340.6	337.8	1316.
SDev	16.7	14.5	61.
%RSD	4.899	4.291	4.639

#1	328.8	327.6	1273.
#2	352.4	348.1	1360.
Errors	LC Pass	LC Pass	LC Pass
High	421.5	420.0	1985.
Low	261.0	251.0	880.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1191	--	--	--	--	--	--
SDev	1.979847	--	--	--	--	--	--
%RSD	.1662563	--	--	--	--	--	--
#1	1189	--	--	--	--	--	--
#2	1192	--	--	--	--	--	--

Method: SW846 Sample Name: 223656D-5 Operator:
Run Time: 08/25/00 13:09:07
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17190.	5.063	48.57	463.7	1.302	5.133	4934.
SDev	19.	.850	.84	.2	.003	.142	9.
%RSD	.1083	16.78	1.736	.0363	.2186	2.776	.1891
#1	17170.	5.664	49.17	463.6	1.300	5.234	4928.
#2	17200.	4.463	47.98	463.8	1.304	5.033	4941.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	61.69	28.12	151.4	167100.	4213.	3917.	52.36
SDev	.22	.25	.5	85.	.	3.	.51
%RSD	.3550	.9015	.3483	.0506	.0022	.0848	.9698
#1	61.84	27.94	151.0	167000.	4213.	3915.	52.00
#2	61.53	28.30	151.7	167200.	4213.	3919.	52.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.5088	55.81	2427.	835.8	850.8	845.8	19.50
SDev	.0244	.18	1.	1.3	2.1	1.0	.32
%RSD	4.792	.3185	.0297	.1539	.2467	.1149	1.629
#1	-.5261	55.68	2427.	836.8	849.3	845.1	19.27

307122

#2	-.4916	55.93	2428.	834.9	852.2	846.5	19.72
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	4.943	627.6	316.7
SDev	.377	.3	.3
%RSD	7.627	.0400	.0838
#1	4.676	627.4	316.9
#2	5.209	627.7	316.5
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1164	--	--	--	--	--	--
SDev	3.623232	--	--	--	--	--	--
%RSD	.3112886	--	--	--	--	--	--
#1	1167	--	--	--	--	--	--
#2	1161	--	--	--	--	--	--

Method: SW846 Sample Name: 223656-5 Operator:
Run Time: 08/25/00 13:14:06
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14770.	9.027	81.01	428.3	1.185	4.307	4816.
SDev	91.	.868	1.35	2.1	.014	.141	27.
%RSD	.6161	9.617	1.664	.4878	1.157	3.280	.5696
#1	14700.	8.413	81.96	426.8	1.194	4.207	4796.
#2	14830.	9.641	80.06	429.7	1.175	4.407	4835.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	76.96	29.13	183.3	185500.	3662.	7300.	56.03
SDev	1.42	.09	1.0	972.	30.	42.	.57
%RSD	1.839	.2969	.5513	.5238	.8159	.5785	1.016
#1	75.96	29.07	182.6	184800.	3641.	7270.	55.63
#2	77.97	29.19	184.0	186200.	3683.	7330.	56.44

307123

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.4690	47.13	2264.	950.6	969.0	962.8	15.91
SDev	.5560	.22	14.	3.0	3.8	3.5	1.10
%RSD	118.6	.4772	.6126	.3186	.3888	.3656	6.885
#1	-.0758	46.97	2254.	948.4	966.3	960.4	15.13
#2	-.8621	47.29	2274.	952.7	971.6	965.3	16.68

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	7.053	823.1	259.8
SDev	.164	4.8	1.2
%RSD	2.331	.5799	.4791
#1	6.936	819.7	258.9
#2	7.169	826.5	260.7

Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1174	--	--	--	--	--	--
SDev	6.315883	--	--	--	--	--	--
%RSD	.5379422	--	--	--	--	--	--
#1	1179	--	--	--	--	--	--
#2	1170	--	--	--	--	--	--

Method: SW846 Sample Name: CCV2 Operator:
Run Time: 08/25/00 13:19:05
Comment: 10037
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	249500.	1022.	4952.	9939.	1020.	2500.	126900.
SDev	204.	3.	4.	2.	2.	2.	175.
%RSD	.0816	.2942	.0816	.0188	.1635	.0884	.1382
#1	249600.	1024.	4955.	9940.	1019.	2501.	126700.
#2	249300.	1020.	4950.	9937.	1021.	2498.	127000.

307124

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276200.	1105.	5525.	11050.	1105.	2762.	138100.

Low	223800.	895.0	4475.	8950.	895.0	2238.	112000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5113.	2480.	12610.	101300.	125900.	5123.	2486.
SDev	3.	2.	7.	20.	162.	4.	2.
%RSD	.0498	.0956	.0583	.0199	.1283	.0740	.0756
#1	5111.	2482.	12620.	101300.	125800.	5120.	2487.
#2	5115.	2478.	12610.	101300.	126000.	5126.	2485.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	L1048.	2520.	7552.	10030.	10040.	10040.	498.6
SDev	.	1.	10.	15.	28.	14.	.3
%RSD	.0133	.0386	.1273	.1543	.2797	.1353	.0558
#1	L1047.	2519.	7546.	10040.	10020.	10030.	498.4
#2	L1048.	2521.	7559.	10020.	10060.	10050.	498.8
Errors	LC Low	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	1381.	2762.	8285.			11050.	552.5
Low	1120.	2238.	6715.			8951.	447.5

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1269.	2531.	5030.
SDev	2.	2.	.
%RSD	.1196	.0684	.0065
#1	1268.	2532.	5030.
#2	1270.	2530.	5030.
Errors	LC Pass	LC Pass	LC Pass
High	1381.	2762.	5525.
Low	1120.	2238.	4480.

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1114	--	--	--	--	--	--
SDev	.3365490	--	--	--	--	--	--
%RSD	.0302186	--	--	--	--	--	--
#1	1113	--	--	--	--	--	--
#2	1114	--	--	--	--	--	--

Method: SW846 Sample Name: CCB2 Operator: 307125
Run Time: 08/25/00 13:24:03
Comment: 10037

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-17.20	2.735	1.143	-.1234	.0321	.1893	-10.46
SDev	7.76	1.575	.506	.2012	.0284	.0387	1.47
%RSD	45.09	57.60	44.25	163.1	88.48	20.44	14.01
#1	-11.72	3.849	1.501	.0189	.0522	.2166	-9.427
#2	-22.68	1.621	.7857	-.2656	.0120	.1619	-11.50
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	10.00	4.000	5.000	1.000	1.500	500.0
Low	-200.0	-10.00	-4.000	-5.000	-1.000	-1.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3185	.1812	.0405	6.334	2.103	.0660	.0327
SDev	.2534	.0945	.4147	12.70	2.356	.1609	.1061
%RSD	79.54	52.16	1025.	200.5	112.0	243.8	324.8
#1	.4977	.1144	.3337	15.31	3.769	.1798	.1077
#2	.1394	.2480	-.2528	-2.647	.4371	-.0478	-.0424
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	50.00	500.0	5.000	5.000
Low	-5.000	-5.000	-5.000	-50.00	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.8171	.1133	-.6736	-3.486	.0135	-1.143	1.041
SDev	.4455	.6105	.1552	1.433	.0092	.471	.562
%RSD	54.52	538.9	23.04	41.12	68.29	41.22	53.94
#1	1.132	.5449	-.5639	-2.472	.0070	-.8100	1.438
#2	.5021	-.3184	-.7833	-4.500	.0200	-1.476	.6440
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	5.000	5.000	10.00			3.000	10.00
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.9875	-.7461	.3426
SDev	.3115	.1245	.2145
%RSD	31.55	16.68	62.60
#1	1.208	-.8341	.4943
#2	.7672	-.6581	.1909
Errors	LC Pass	LC Pass	LC Pass
High	5.000	5.000	10.00
Low	-5.000	-5.000	-10.00

307126

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1157	--	--	--	--	--	--
SDev	5.583312	--	--	--	--	--	--
%RSD	.4827366	--	--	--	--	--	--
#1	1153	--	--	--	--	--	--
#2	1161	--	--	--	--	--	--

Method: SW846 Sample Name: 223656L-5 Operator:
Run Time: 08/25/00 13:29:02
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3035.	4.225	17.36	84.60	.2118	.8553	968.2
SDev	1.	.854	1.16	.07	.0181	.1043	.8
%RSD	.0322	20.22	6.671	.0775	8.555	12.20	.0797
#1	3036.	3.621	18.18	84.56	.2247	.9290	968.8
#2	3035.	4.829	16.54	84.65	.1990	.7815	967.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.48	4.973	35.99	36710.	725.0	1462.	11.20
SDev	.39	.794	.78	37.	.6	.	.20
%RSD	2.518	15.96	2.161	.1010	.0760	.0200	1.759
#1	15.75	5.534	36.54	36680.	724.6	1461.	11.06
#2	15.20	4.412	35.44	36740.	725.4	1462.	11.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.3799	9.079	455.8	187.9	194.8	192.5	3.435
SDev	.6448	1.758	1.2	3.1	2.5	.7	.325
%RSD	169.7	19.37	.2526	1.654	1.304	.3416	9.454
#1	.0760	10.32	456.6	190.1	193.0	192.1	3.665
#2	-.8359	7.836	455.0	185.7	196.6	193.0	3.205
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

307127

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.274	165.4	51.68
SDev	.069	1.0	.30
%RSD	5.386	.5781	.5743

#1	1.323	164.7	51.47
#2	1.226	166.0	51.89
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1146	--	--	--	--	--	--
SDev	1.465140	--	--	--	--	--	--
%RSD	.1278906	--	--	--	--	--	--
#1	1145	--	--	--	--	--	--
#2	1147	--	--	--	--	--	--

Method: SW846 Sample Name: 223656MS-5 Operator:
Run Time: 08/25/00 13:34:01
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16780.	59.68	472.8	688.0	10.74	14.88	8181.
SDev	97.	1.72	1.9	2.5	.04	.12	29.
%RSD	.5752	2.881	.3997	.3651	.3672	.8270	.3577
#1	16850.	58.47	474.1	689.7	10.77	14.96	8202.
#2	16710.	60.90	471.5	686.2	10.71	14.79	8161.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	108.3	130.1	263.6	H200300.	7992.	3643.	163.2
SDev	.3	.8	1.0	687.	24.	10.	.5
%RSD	.2692	.5850	.3745	.3430	.3060	.2869	.2758
#1	108.5	130.6	264.3	H200700.	8010.	3651.	163.5
#2	108.1	129.5	262.9	199800.	7975.	3636.	162.8
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	8.885	142.5	3118.	898.8	911.2	907.1	15.79
SDev	.579	.5	9.	5.3	4.6	4.8	.69
%RSD	6.512	.3533	.2967	.5889	.4997	.5290	4.393
#1	9.294	142.9	3125.	902.5	914.5	910.5	16.28

307128

#2	8.475	142.1	3112.	895.0	908.0	903.7	15.29
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	101.5	1425.	341.0
SDev	.3	2.	1.1
%RSD	.2891	.1256	.3248
#1	101.7	1426.	341.8
#2	101.3	1424.	340.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1156	--	--	--	--	--	--
SDev	5.919861	--	--	--	--	--	--
%RSD	.5119650	--	--	--	--	--	--
#1	1152	--	--	--	--	--	--
#2	1160	--	--	--	--	--	--

Method: SW846 Sample Name: 223656MSD-5 Operator:
Run Time: 08/25/00 13:38:59
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18120.	54.83	407.0	762.3	10.77	15.79	8758.
SDev	9.	3.10	.2	.1	.01	.01	8.
%RSD	.0503	5.653	.0568	.0125	.1199	.0856	.0959
#1	18130.	57.02	407.2	762.4	10.78	15.78	8752.
#2	18120.	52.64	406.9	762.3	10.76	15.80	8764.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94.62	120.4	227.0	122800.	7971.	3504.	145.3
SDev	.02	.6	.0	25.	7.	3.	.3
%RSD	.0164	.4760	.0136	.0207	.0866	.0797	.2133
#1	94.61	120.8	226.9	122800.	7966.	3502.	145.5
#2	94.63	120.0	227.0	122800.	7975.	3506.	145.1

307129

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	9.536	147.1	2490.	1023.	1033.	1030.	18.57
SDev	.007	.6	3.	4.	6.	5.	.10
%RSD	.0708	.4409	.1157	.3931	.5736	.5138	.5647
#1	9.532	146.6	2488.	1020.	1029.	1026.	18.50
#2	9.541	147.6	2492.	1026.	1037.	1034.	18.65

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	101.5	633.3	366.9
SDev	.4	.6	.4
%RSD	.4277	.0915	.1016
#1	101.1	633.7	367.2
#2	101.8	632.9	366.7

Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1165	--	--	--	--	--	--
SDev	.7919561	--	--	--	--	--	--
%RSD	.0679826	--	--	--	--	--	--
#1	1166	--	--	--	--	--	--
#2	1164	--	--	--	--	--	--

Method: SW846 Sample Name: 223656A-5 Operator:
Run Time: 08/25/00 13:43:58
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17420.	488.2	2060.	2434.	50.82	54.52	25040.
SDev	.	5.4	4.	3.	.10	.03	59.
%RSD	.0008	1.113	.2021	.1091	.2025	.0626	.2358
#1	17420.	484.3	2057.	2432.	50.74	54.50	25000.
#2	17420.	492.0	2063.	2435.	50.89	54.54	25080.

307130

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.

Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	276.5	537.1	442.1	192600.	23190.	8036.	567.2
SDev	.2	.4	.4	271.	60.	19.	1.4
%RSD	.0802	.0764	.0815	.1408	.2601	.2361	.2518
#1	276.3	537.4	441.8	192400.	23140.	8022.	566.2
#2	276.6	536.8	442.4	192800.	23230.	8049.	568.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	51.99	551.5	2841.	1481.	1501.	1494.	15.63
SDev	.53	.1	7.	4.	4.	4.	.98
%RSD	1.028	.0107	.2635	.2452	.2608	.2556	6.253
#1	52.37	551.5	2836.	1479.	1498.	1492.	14.94
#2	51.61	551.5	2846.	1484.	1504.	1497.	16.32
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	512.8	851.8	770.6
SDev	1.5	.4	1.1
%RSD	.2874	.0437	.1475
#1	511.7	852.1	769.8
#2	513.8	851.6	771.4
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1138	--	--	--	--	--	--
SDev	1.168125	--	--	--	--	--	--
%RSD	.1026885	--	--	--	--	--	--
#1	1137	--	--	--	--	--	--
#2	1138	--	--	--	--	--	--

307131

Method: SW846 Sample Name: 223699-5 Operator:
Run Time: 08/25/00 13:48:57
Comment: 9998

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7281.	4.547	14.55	270.5	.5559	-.7189	3242.
SDev	1.	.134	.14	.2	.0033	.1684	3.
%RSD	.0195	2.942	.9431	.0784	.5993	23.42	.0793
#1	7280.	4.642	14.65	270.6	.5582	-.5998	3244.
#2	7282.	4.453	14.45	270.3	.5535	-.8379	3240.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.13	5.221	69.32	58600.	615.7	219.4	18.32
SDev	.14	.090	.31	69.	1.1	.5	.43
%RSD	.8372	1.721	.4533	.1174	.1816	.2113	2.337
#1	16.22	5.285	69.54	58650.	616.5	219.7	18.02
#2	16.03	5.158	69.10	58550.	615.0	219.0	18.63
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.9558	34.04	593.2	694.7	708.4	703.9	30.04
SDev	.5037	.07	.8	1.5	.6	.9	.05
%RSD	52.70	.2063	.1401	.2178	.0904	.1323	.1599
#1	-.5996	33.99	593.8	693.7	708.0	703.2	30.07
#2	-1.312	34.09	592.6	695.8	708.9	704.5	30.00
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	4.280	531.1	135.4
SDev	.453	2.2	.3
%RSD	10.58	.4049	.2229
#1	4.600	529.6	135.6
#2	3.960	532.7	135.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

307132

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1144	--	--	--	--	--	--
SDev	1.108739	--	--	--	--	--	--
%RSD	.0969228	--	--	--	--	--	--
#1	1145	--	--	--	--	--	--
#2	1143	--	--	--	--	--	--

Method: SW846 Sample Name: 223700-5 Operator:
Run Time: 08/25/00 13:53:56
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3803.	2.444	13.24	66.26	.3807	-.6138	1525.
SDev	6.	2.803	3.21	.09	.0048	.0239	4.
%RSD	.1673	114.7	24.23	.1394	1.251	3.898	.2319
#1	3799.	.4620	15.51	66.19	.3841	-.6307	1523.
#2	3808.	4.425	10.97	66.33	.3773	-.5969	1528.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.50	5.433	367.9	41380.	1118.	150.8	11.96
SDev	.04	.105	.3	74.	2.	.4	.20
%RSD	.2717	1.929	.0940	.1781	.1730	.2759	1.682
#1	13.53	5.359	367.7	41320.	1117.	150.5	11.82
#2	13.47	5.507	368.2	41430.	1120.	151.1	12.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.0483	27.03	308.3	216.0	221.6	219.7	10.17
SDev	.0667	.96	.7	2.4	2.9	2.7	.21
%RSD	138.2	3.543	.2264	1.097	1.323	1.248	2.018
#1	-.0954	26.36	307.8	214.4	219.5	217.8	10.02
#2	-.0011	27.71	308.8	217.7	223.7	221.7	10.31
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

307133

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	3.954	432.6	101.0
SDev	.456	2.7	.3
%RSD	11.54	.6152	.3117

#1	4.277	430.7	100.8
#2	3.632	434.4	101.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1164	--	--	--	--	--	--
SDev	2.455107	--	--	--	--	--	--
%RSD	.2109829	--	--	--	--	--	--
#1	1165	--	--	--	--	--	--
#2	1162	--	--	--	--	--	--

Method: SW846 Sample Name: 223701-FB Operator:
Run Time: 08/25/00 13:58:55
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-14.75	2.515	-.0525	-.2570	-.0132	-.0260	67.09
SDev	.53	1.548	.0935	.2100	.0436	.0874	1.28
%RSD	3.596	61.54	178.1	81.72	328.9	336.4	1.907
#1	-15.12	1.421	-.1186	-.4055	-.0441	-.0877	67.99
#2	-14.37	3.610	.0136	-.1085	.0176	.0358	66.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.801	-.9233	-.1976	339.0	6.399	2.215	.4494
SDev	.224	.3181	.4019	5.1	6.409	.052	1.008
%RSD	7.999	34.45	203.4	1.510	100.2	2.347	224.3
#1	2.642	-1.148	-.4818	335.4	1.867	2.179	-.2634
#2	2.959	-.6984	.0866	342.7	10.93	2.252	1.162
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.1026	-.5754	1.703	-6.896	3.547	.0761	.3423
SDev	.5831	.9985	.185	3.584	3.465	1.118	1.179
%RSD	568.4	173.5	10.89	51.97	97.70	1468.	344.4
#1	-.5149	-1.281	1.572	-4.362	1.096	-.7142	-.4913

307134

#2	.3097	.1306	1.835	-9.431	5.997	.8665	1.176
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.3853	2.478	.3323
SDev	.1656	.026	.2430
%RSD	42.99	1.067	73.12
#1	.2682	2.459	.1605
#2	.5024	2.497	.5041
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1175	--	--	--	--	--	--
SDev	18.82879	--	--	--	--	--	--
%RSD	1.602404	--	--	--	--	--	--
#1	1162	--	--	--	--	--	--
#2	1188	--	--	--	--	--	--

Method: SW846 Sample Name: 223344-5 Operator:
Run Time: 08/25/00 14:03:54
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36030.	.2289	4.772	75.34	5.818	-1.747	1344.
SDev	390.	.5944	1.429	1.51	.078	.048	23.
%RSD	1.082	259.7	29.94	2.010	1.338	2.775	1.699
#1	36310.	-.1914	5.782	76.41	5.873	-1.781	1360.
#2	35760.	.6492	3.762	74.27	5.763	-1.713	1328.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42.78	22.03	41.59	73370.	30490.	1083.	49.53
SDev	.08	.53	.51	780.	420.	17.	.75
%RSD	.1909	2.391	1.228	1.063	1.378	1.558	1.508
#1	42.72	22.40	41.95	73920.	30790.	1095.	50.06
#2	42.84	21.65	41.23	72810.	30190.	1071.	49.00

307135

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-1.033	88.83	141.7	26.78	26.58	26.65	55.45
SDev	.060	2.02	1.8	6.04	1.15	1.24	.25
%RSD	5.847	2.274	1.268	22.55	4.327	4.666	.4518
#1	-1.075	90.26	142.9	31.05	25.77	27.53	55.63
#2	-.9898	87.41	140.4	22.51	27.40	25.77	55.27

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.342	.3041	987.2
SDev	.222	.9426	12.7
%RSD	16.52	310.0	1.290
#1	1.185	-.3624	996.2
#2	1.498	.9706	978.2

Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1283	--	--	--	--	--	--
SDev	1.128505	--	--	--	--	--	--
%RSD	.0879428	--	--	--	--	--	--
#1	1282	--	--	--	--	--	--
#2	1284	--	--	--	--	--	--

Method: SW846 Sample Name: 223345-5 Operator:
Run Time: 08/25/00 14:08:52
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13300.	1.984	2.681	65.03	3.468	-1.117	516.1
SDev	18.	4.540	.088	.04	.002	.091	.0
%RSD	.1349	228.8	3.276	.0687	.0637	8.188	.0020
#1	13290.	5.194	2.619	65.00	3.469	-1.052	516.1
#2	13310.	-1.226	2.743	65.07	3.466	-1.181	516.1

307136

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.

Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.62	15.39	20.61	43300.	14980.	1232.	27.76
SDev	.14	.11	.08	15.	9.	1.	.45
%RSD	.7706	.6920	.4109	.0350	.0576	.1021	1.603
#1	18.52	15.32	20.67	43290.	14970.	1231.	28.08
#2	18.73	15.47	20.55	43310.	14980.	1233.	27.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.6232	43.92	56.20	20.62	27.28	25.07	47.35
SDev	.1913	.67	.04	3.19	.31	1.26	.07
%RSD	30.70	1.535	.0745	15.45	1.125	5.047	.1388
#1	-.4879	44.40	56.23	22.88	27.49	25.96	47.40
#2	-.7584	43.44	56.17	18.37	27.06	24.17	47.31
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.7211	.5187	434.3
SDev	.1851	.7120	.7
%RSD	25.67	137.3	.1683
#1	.8520	.0152	433.8
#2	.5902	1.022	434.8
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1207	--	--	--	--	--	--
SDev	2.989667	--	--	--	--	--	--
%RSD	.2476920	--	--	--	--	--	--
#1	1209	--	--	--	--	--	--
#2	1205	--	--	--	--	--	--

307137

Method: SW846 Sample Name: 223346-5 Operator:
Run Time: 08/25/00 14:13:51
Comment: 9998

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27640.	-.3150	6.339	64.49	3.458	-1.421	1633.
SDev	58.	3.5448	.408	.01	.022	.011	6.
%RSD	.2087	1125.	6.440	.0184	.6358	.7847	.3724
#1	27600.	2.192	6.628	64.50	3.442	-1.413	1629.
#2	27690.	-2.822	6.050	64.48	3.473	-1.429	1637.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31.78	19.79	30.59	56150.	17360.	900.9	35.09
SDev	.20	.06	.06	186.	59.	3.4	.41
%RSD	.6249	.2912	.2027	.3309	.3417	.3723	1.180
#1	31.64	19.75	30.64	56020.	17320.	898.5	35.39
#2	31.92	19.83	30.55	56290.	17410.	903.2	34.80
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-1.112	72.43	103.6	26.72	26.62	26.66	42.69
SDev	.180	.18	.0	2.72	1.05	.20	.31
%RSD	16.18	.2507	.0181	10.19	3.956	.7656	.7297
#1	-.9852	72.56	103.6	24.80	27.36	26.52	42.47
#2	-1.240	72.30	103.6	28.65	25.87	26.81	42.91
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.808	.5415	838.3
SDev	.077	.3616	2.6
%RSD	4.280	66.78	.3145
#1	1.863	.7972	836.4
#2	1.754	.2858	840.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

307138

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1225	--	--	--	--	--	--
SDev	.2177772	--	--	--	--	--	--
%RSD	.0177783	--	--	--	--	--	--
#1	1225	--	--	--	--	--	--
#2	1225	--	--	--	--	--	--

Method: SW846 Sample Name: CCV3 Operator:
Run Time: 08/25/00 14:18:50
Comment: 10037
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	251800.	1032.	4970.	10010.	1026.	2508.	127400.
SDev	4792.	22.	94.	181.	18.	44.	2201.
%RSD	1.903	2.100	1.889	1.805	1.784	1.747	1.728
#1	255200.	1047.	5036.	10140.	1039.	2539.	129000.
#2	248400.	1016.	4904.	9886.	1013.	2477.	125800.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276200.	1105.	5525.	11050.	1105.	2762.	138100.
Low	223800.	895.0	4475.	8950.	895.0	2238.	112000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5151.	2494.	12730.	101800.	126900.	5152.	2501.
SDev	93.	45.	232.	1920.	2256.	93.	45.
%RSD	1.800	1.788	1.827	1.887	1.777	1.811	1.803
#1	5216.	2526.	12890.	103100.	128500.	5218.	2532.
#2	5085.	2463.	12560.	100400.	125300.	5086.	2469.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	1241.	2544.	7623.	10150.	10150.	10150.	502.1
SDev	20.	49.	136.	191.	84.	120.	8.5
%RSD	1.626	1.907	1.789	1.877	.8293	1.178	1.694
#1	1255.	2578.	7719.	10290.	10210.	10240.	508.1
#2	1227.	2510.	7527.	10020.	10090.	10070.	496.1
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	1381.	2762.	8285.			11050.	552.5
Low	1120.	2238.	6715.			8951.	447.5

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1278.	2547.	5068.
SDev	23.	49.	97.
%RSD	1.809	1.929	1.915

307139

#1	1294.	2581.	5137.
#2	1261.	2512.	5000.
Errors	LC Pass	LC Pass	LC Pass
High	1381.	2762.	5525.
Low	1120.	2238.	4480.

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1117	--	--	--	--	--	--
SDev	12.98817	--	--	--	--	--	--
%RSD	1.162972	--	--	--	--	--	--
#1	1108	--	--	--	--	--	--
#2	1126	--	--	--	--	--	--

Method: SW846 Sample Name: CCB3 Operator:
Run Time: 08/25/00 14:23:49
Comment: 10037
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-24.42	2.492	1.175	-.1188	.1294	.2036	-11.00
SDev	8.21	1.366	2.326	.0529	.0389	.1709	3.15
%RSD	33.63	54.84	198.0	44.55	30.08	83.96	28.67
#1	-18.62	3.458	2.819	-.0814	.1569	.3245	-8.771
#2	-30.23	1.525	-.4699	-.1562	.1019	.0827	-13.23
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	10.00	4.000	5.000	1.000	1.500	500.0
Low	-200.0	-10.00	-4.000	-5.000	-1.000	-1.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2578	.1501	.0375	6.206	2.760	-.0738	.5145
SDev	.3602	.9061	.3638	1.986	.636	.0549	.3892
%RSD	139.7	603.7	969.6	32.01	23.05	74.42	75.65
#1	.0031	.7907	.2948	4.801	2.310	-.1126	.2393
#2	.5126	-.4906	-.2197	7.610	3.210	-.0350	.7897
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	50.00	500.0	5.000	5.000
Low	-5.000	-5.000	-5.000	-50.00	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.4447	-.1220	-.7786	-6.207	3.399	.2086	.6928
SDev	1.224	.4121	.0718	5.768	2.268	.4079	.4006
%RSD	275.1	337.7	9.223	92.94	66.74	195.5	57.82
#1	1.310	.1694	-.8293	-2.128	1.795	.4970	.4095

307140

#2	-.4205	-.4134	-.7278	-10.29	5.003	-.0798	.9761
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	5.000	5.000	10.00			3.000	10.00
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.137	-.4010	.3572
SDev	.016	1.7160	.0312
%RSD	1.400	427.9	8.720
#1	1.126	.8123	.3352
#2	1.149	-1.614	.3792
Errors	LC Pass	LC Pass	LC Pass
High	5.000	5.000	10.00
Low	-5.000	-5.000	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1206	--	--	--	--	--	--
SDev	9.444088	--	--	--	--	--	--
%RSD	.7830178	--	--	--	--	--	--
#1	1199	--	--	--	--	--	--
#2	1213	--	--	--	--	--	--

Method: SW846 Sample Name: 223347-5 Operator:
Run Time: 08/25/00 14:28:48
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29840.	1.064	5.391	62.82	5.583	-1.504	1072.
SDev	12.	3.433	.541	.09	.021	.014	2.
%RSD	.0398	322.7	10.04	.1441	.3689	.9140	.1891
#1	29850.	-1.364	5.008	62.76	5.568	-1.514	1070.
#2	29830.	3.491	5.774	62.89	5.598	-1.494	1073.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	35.55	19.95	35.23	68720.	22910.	1057.	44.50
SDev	.03	.03	.33	76.	37.	2.	.46
%RSD	.0741	.1255	.9239	.1113	.1615	.1753	1.038
#1	35.53	19.96	35.46	68670.	22890.	1056.	44.83
#2	35.57	19.93	35.00	68780.	22940.	1058.	44.17

307141

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-1.080	77.45	130.8	19.86	21.43	20.92	46.39
SDev	.258	.32	.2	2.13	.89	1.30	.66
%RSD	23.88	.4073	.1529	10.73	4.133	6.218	1.412
#1	-.8974	77.23	130.7	21.36	22.06	21.84	45.93
#2	-1.262	77.67	131.0	18.35	20.81	20.00	46.85

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.254	.3336	935.9
SDev	.520	.7906	.5
%RSD	41.44	237.0	.0534
#1	.8864	-.2255	935.5
#2	1.621	.8926	936.2

Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1275	--	--	--	--	--	--
SDev	3.603465	--	--	--	--	--	--
%RSD	.2827099	--	--	--	--	--	--
#1	1277	--	--	--	--	--	--
#2	1272	--	--	--	--	--	--

Method: SW846 Sample Name: 223022-PB Operator:
Run Time: 08/25/00 14:33:46
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-16.35	2.735	.2891	-.4446	.0320	-.1003	47.39
SDev	2.86	1.602	.2159	.0449	.0178	.0038	.70
%RSD	17.51	58.60	74.67	10.09	55.56	3.793	1.478
#1	-14.33	3.868	.1365	-.4763	.0195	-.1030	47.89
#2	-18.37	1.602	.4418	-.4129	.0446	-.0976	46.90

307142

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.

Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0628	-.6443	-.2140	2.943	2.896	-.1714	.5594
SDev	.2027	.3799	.2193	8.502	.282	.0754	.3540
%RSD	323.0	58.97	102.5	288.9	9.734	43.97	63.28
#1	.2061	-.9129	-.0589	-3.069	3.095	-.1181	.3091
#2	-.0806	-.3756	-.3691	8.955	2.696	-.2247	.8097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.2288	-.4177	.9575	-6.752	3.468	.0713	1.098
SDev	.3531	.4197	.2066	2.553	.993	.1881	.405
%RSD	154.4	100.5	21.57	37.81	28.62	263.8	36.84
#1	.0209	-.7145	1.104	-8.557	4.170	-.0617	1.384
#2	-.4784	-.1210	.8114	-4.947	2.766	.2043	.8120
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.3967	.2692	.4583
SDev	.2846	.8564	.0619
%RSD	71.75	318.1	13.51
#1	.5979	.8748	.5021
#2	.1954	-.3364	.4145
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1174	--	--	--	--	--	--
SDev	11.99820	--	--	--	--	--	--
%RSD	1.021934	--	--	--	--	--	--
#1	1166	--	--	--	--	--	--
#2	1183	--	--	--	--	--	--

Method: SW846 Sample Name: 223544-5 Operator:
Run Time: 08/25/00 14:38:45
Comment: 9998

307143

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16510.	2.936	15.11	215.3	.9293	.6505	9498.
SDev	71.	.679	2.00	.3	.0189	.0747	28.
%RSD	.4328	23.13	13.23	.1333	2.029	11.49	.2946
#1	16460.	3.416	13.70	215.1	.9160	.7033	9478.
#2	16560.	2.456	16.52	215.5	.9427	.5976	9518.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	67.89	11.51	84.21	30990.	5348.	580.3	33.35
SDev	.41	.50	.65	82.	21.	1.5	.52
%RSD	.6016	4.319	.7663	.2648	.3868	.2501	1.570
#1	67.60	11.86	83.76	30930.	5333.	579.3	32.98
#2	68.18	11.16	84.67	31050.	5363.	581.3	33.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.1987	51.96	396.1	257.2	260.2	259.2	25.56
SDev	.1863	.27	1.1	.0	3.3	2.2	.84
%RSD	93.74	.5261	.2755	.0191	1.260	.8502	3.289
#1	.0670	51.77	395.4	257.2	257.9	257.6	24.96
#2	.3304	52.15	396.9	257.2	262.5	260.8	26.15
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	2.256	10.34	405.6
SDev	.438	.65	.3
%RSD	19.42	6.283	.0844
#1	1.946	10.80	405.3
#2	2.566	9.878	405.8
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

307144

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1194	--	--	--	--	--	--
SDev	2.910428	--	--	--	--	--	--
%RSD	.2437736	--	--	--	--	--	--
#1	1196	--	--	--	--	--	--
#2	1192	--	--	--	--	--	--

Method: SW846 Sample Name: 223553-5 Operator:
Run Time: 08/25/00 14:43:44
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17070.	.7613	15.58	180.7	.9143	.1680	8083.
SDev	202.	.7317	.79	2.0	.0184	.0731	88.
%RSD	1.182	96.11	5.102	1.103	2.017	43.53	1.093
#1	16930.	1.279	16.14	179.3	.9013	.2197	8020.
#2	17210.	.2439	15.02	182.1	.9273	.1163	8145.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.96	10.99	90.84	36730.	4896.	542.3	26.39
SDev	.46	.27	.94	431.	59.	5.9	1.12
%RSD	.8435	2.432	1.040	1.174	1.212	1.089	4.231
#1	54.63	10.80	90.17	36420.	4854.	538.2	27.18
#2	55.28	11.18	91.51	37030.	4938.	546.5	25.60
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.2728	72.00	315.1	192.3	193.7	193.2	22.60
SDev	.1610	.79	3.0	3.8	2.2	2.7	.60
%RSD	59.00	1.090	.9635	1.995	1.131	1.417	2.646
#1	-.1590	71.45	312.9	189.5	192.1	191.3	23.02
#2	-.3866	72.56	317.2	195.0	195.2	195.1	22.17
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.376	6.442	640.8
SDev	.146	.398	7.7
%RSD	10.58	6.175	1.198

307145

#1	1.273	6.723	635.3
#2	1.479	6.161	646.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1185	--	--	--	--	--	--
SDev	9.543093	--	--	--	--	--	--
%RSD	.8055608	--	--	--	--	--	--
#1	1191	--	--	--	--	--	--
#2	1178	--	--	--	--	--	--

Method: SW846 Sample Name: 223560-FB Operator:
Run Time: 08/25/00 14:48:43
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-18.01	-1.224	1.711	-.4848	.0821	-.1535	502.5
SDev	2.46	.430	.434	.0041	.0619	.0066	6.4
%RSD	13.65	35.09	25.38	.8466	75.42	4.308	1.279
#1	-16.27	-1.528	2.018	-.4819	.0383	-.1582	507.1
#2	-19.75	-.9207	1.404	-.4877	.1259	-.1489	498.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3016	-.6906	1.044	-3.477	.4245	-.1447	-.1830
SDev	.0450	.4472	.485	3.727	.2819	.0662	.0819
%RSD	14.93	64.75	46.46	107.2	66.40	45.77	44.75
#1	-.3335	-.3744	1.387	-6.112	.6239	-.1915	-.1251
#2	-.2698	-1.007	.7010	-.8423	.2252	-.0979	-.2409
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.3066	-.8581	12.38	-4.300	1.825	-.2083	.1354
SDev	.1135	.3301	.20	1.135	.367	.6228	.1414
%RSD	37.03	38.47	1.594	26.39	20.13	299.0	104.4
#1	-.2263	-.6247	12.52	-5.103	1.565	-.6487	.0355

307146

#2	-.3869	-1.091	12.24	-3.498	2.084	.2321	.2354
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.3768	-.3733	.2546
SDev	.0136	.0992	.0580
%RSD	3.616	26.56	22.80
#1	.3672	-.4434	.2956
#2	.3864	-.3032	.2135
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1195	--	--	--	--	--	--
SDev	14.51261	--	--	--	--	--	--
%RSD	1.214731	--	--	--	--	--	--
#1	1184	--	--	--	--	--	--
#2	1205	--	--	--	--	--	--

Method: SW846 Sample Name: 223648-5 Operator:
Run Time: 08/25/00 14:53:42
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21400.	4.016	14.05	257.2	2.395	-.2138	2255.
SDev	56.	3.714	2.42	.7	.019	.2001	8.
%RSD	.2640	92.50	17.20	.2587	.8053	93.61	.3764
#1	21360.	1.389	15.76	256.7	2.409	-.3553	2249.
#2	21440.	6.642	12.34	257.7	2.382	-.0723	2261.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45.89	21.02	63.37	60440.	5290.	1906.	35.28
SDev	.73	.08	.51	223.	22.	7.	.24
%RSD	1.600	.3659	.8095	.3693	.4204	.3469	.6667
#1	45.38	20.96	63.01	60290.	5274.	1901.	35.44
#2	46.41	21.07	63.73	60600.	5306.	1911.	35.11

307147

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.4922	58.00	500.4	207.0	207.1	207.1	19.91
SDev	.0502	.05	2.7	1.5	3.1	2.5	.33
%RSD	10.19	.0787	.5338	.7007	1.477	1.219	1.661
#1	-.4567	57.97	498.5	206.0	205.0	205.3	19.67
#2	-.5277	58.03	502.2	208.0	209.3	208.9	20.14

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.354	110.0	339.3
SDev	.396	1.9	.8
%RSD	29.24	1.746	.2301
#1	1.074	108.7	338.7
#2	1.634	111.4	339.8

Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1155	--	--	--	--	--	--
SDev	4.197411	--	--	--	--	--	--
%RSD	.3634034	--	--	--	--	--	--
#1	1158	--	--	--	--	--	--
#2	1152	--	--	--	--	--	--

Method: SW846 Sample Name: 223649-5 Operator:
Run Time: 08/25/00 14:58:41
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19270.	2.961	19.66	250.0	1.824	-.4011	1935.
SDev	40.	1.414	1.35	.4	.008	.1425	5.
%RSD	.2101	47.74	6.892	.1650	.4628	35.53	.2366
#1	19290.	1.962	18.70	250.3	1.818	-.5019	1938.
#2	19240.	3.961	20.62	249.7	1.830	-.3003	1932.

307148

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.

Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40.94	19.44	83.85	53030.	4755.	1930.	31.55
SDev	.35	.28	.36	109.	6.	4.	.65
%RSD	.8661	1.465	.4291	.2062	.1210	.2023	2.062
#1	41.19	19.64	84.11	53110.	4759.	1933.	31.09
#2	40.69	19.23	83.60	52950.	4751.	1928.	32.01
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.8662	54.39	348.4	191.1	198.2	195.8	18.77
SDev	.1814	.25	1.0	5.5	1.3	1.0	.48
%RSD	20.95	.4602	.2791	2.885	.6379	.5057	2.568
#1	-.7379	54.57	349.1	194.9	197.3	196.5	18.42
#2	-.9945	54.21	347.8	187.2	199.1	195.1	19.11
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.007	119.2	332.9
SDev	.505	2.0	.8
%RSD	50.13	1.638	.2331
#1	.6499	120.6	333.5
#2	1.364	117.9	332.4
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1159	--	--	--	--	--	--
SDev	1.564146	--	--	--	--	--	--
%RSD	.1349381	--	--	--	--	--	--
#1	1158	--	--	--	--	--	--
#2	1160	--	--	--	--	--	--

307149

Method: SW846 Sample Name: 223650-5 Operator:
Run Time: 08/25/00 15:03:40
Comment: 9998

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18270.	3.016	17.27	271.5	1.588	2.714	2546.
SDev	82.	1.052	.69	.5	.058	.169	2.
%RSD	.4489	34.89	3.988	.1717	3.629	6.233	.0934
#1	18220.	3.760	16.78	271.1	1.547	2.833	2545.
#2	18330.	2.272	17.76	271.8	1.629	2.594	2548.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42.38	17.94	67.02	66850.	4237.	1726.	29.59
SDev	.19	.08	.56	129.	11.	3.	.03
%RSD	.4409	.4696	.8416	.1927	.2600	.1570	.0928
#1	42.51	17.88	67.42	66750.	4229.	1724.	29.61
#2	42.24	18.00	66.63	66940.	4245.	1728.	29.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.1436	53.12	936.6	395.7	405.4	402.2	18.29
SDev	.5068	.37	1.1	1.8	2.3	2.1	.77
%RSD	353.0	.6935	.1154	.4565	.5620	.5274	4.197
#1	.2148	52.86	935.8	396.9	407.0	403.7	18.83
#2	-.5020	53.38	937.3	394.4	403.8	400.7	17.75
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.251	157.1	297.8
SDev	.484	.7	.6
%RSD	38.72	.4493	.1946
#1	.9083	157.6	297.4
#2	1.593	156.6	298.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

307150

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1175	--	--	--	--	--	--
SDev	1.979847	--	--	--	--	--	--
%RSD	.1685550	--	--	--	--	--	--
#1	1173	--	--	--	--	--	--
#2	1176	--	--	--	--	--	--

Method: SW846 Sample Name: 223651-5 Operator:
Run Time: 08/25/00 15:08:39
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18300.	3.061	11.00	170.5	1.674	1.328	2231.
SDev	43.	.685	.30	.0	.011	.094	3.
%RSD	.2356	22.37	2.750	.0069	.6558	7.091	.1264
#1	18270.	2.577	10.79	170.5	1.682	1.261	2229.
#2	18330.	3.545	11.21	170.5	1.666	1.394	2233.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42.63	24.29	37.21	56310.	5768.	2314.	33.75
SDev	.44	.20	.22	16.	16.	3.	.68
%RSD	1.024	.8094	.6008	.0293	.2805	.1219	2.022
#1	42.32	24.43	37.37	56290.	5757.	2312.	33.27
#2	42.93	24.15	37.05	56320.	5780.	2316.	34.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.8228	58.27	500.3	66.83	73.18	71.08	13.21
SDev	.3073	.29	1.1	3.22	.62	1.49	.70
%RSD	37.35	.5012	.2099	4.823	.8515	2.094	5.308
#1	-1.040	58.47	499.5	69.11	73.62	72.13	12.71
#2	-.6054	58.06	501.0	64.55	72.74	70.02	13.71
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

307151

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.8270	8.752	318.0
SDev	.0156	1.367	.6
%RSD	1.887	15.63	.1863

#1	.8380	7.785	317.5
#2	.8159	9.719	318.4

Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1181	--	--	--	--	--	--
SDev	3.920161	--	--	--	--	--	--
%RSD	.3320032	--	--	--	--	--	--
#1	1184	--	--	--	--	--	--
#2	1178	--	--	--	--	--	--

Method: SW846 Sample Name: 223652-5 Operator:
Run Time: 08/25/00 15:13:38
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19340.	2.692	8.179	168.3	1.717	-1.109	1041.
SDev	23.	.523	.986	.4	.051	.054	3.
%RSD	.1177	19.42	12.05	.2122	2.943	4.847	.2517
#1	19360.	2.323	8.876	168.5	1.681	-1.071	1042.
#2	19330.	3.062	7.482	168.0	1.753	-1.147	1039.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39.97	18.68	16.53	49040.	4355.	1855.	25.32
SDev	.05	.18	.41	142.	8.	4.	.32
%RSD	.1211	.9831	2.483	.2902	.1867	.1942	1.254
#1	40.00	18.81	16.82	49140.	4361.	1858.	25.55
#2	39.93	18.55	16.24	48940.	4349.	1853.	25.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.3057	57.40	86.29	30.40	33.51	32.48	21.67
SDev	.4227	.55	.27	.59	1.81	1.01	.36
%RSD	138.3	.9540	.3183	1.946	5.410	3.116	1.667
#1	-.0068	57.79	86.49	29.98	34.79	33.19	21.93

307152

Low	-200.0	-10.00	-4.000	-5.000	-1.000	-1.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4301	.0148	.7529	4.516	1.373	-.0059	.6126
SDev	.0511	.1409	.1678	1.707	.204	.0355	.0511
%RSD	11.88	954.6	22.29	37.80	14.83	604.6	8.347
#1	.3940	.1144	.8715	5.724	1.517	.0192	.6488
#2	.4662	-.0849	.6342	3.309	1.229	-.0310	.5765
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	50.00	500.0	5.000	5.000
Low	-5.000	-5.000	-5.000	-50.00	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.5932	-.1541	-.8448	-6.307	1.884	-.8358	1.385
SDev	.7081	.7677	.2330	.040	.021	.0008	.896
%RSD	119.4	498.3	27.58	.6273	1.111	.0955	64.70
#1	1.094	.3888	-.6800	-6.279	1.869	-.8364	.7514
#2	.0925	-.6969	-1.010	-6.335	1.899	-.8353	2.019
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	5.000	5.000	10.00			3.000	10.00
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.277	.2800	.3466
SDev	.150	.7191	.0735
%RSD	11.72	256.8	21.21
#1	1.383	.7885	.3986
#2	1.172	-.2285	.2946
Errors	LC Pass	LC Pass	LC Pass
High	5.000	5.000	10.00
Low	-5.000	-5.000	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1163	--	--	--	--	--	--
SDev	1.781923	--	--	--	--	--	--
%RSD	.1532610	--	--	--	--	--	--
#1	1164	--	--	--	--	--	--
#2	1161	--	--	--	--	--	--

307153

Method: SW846 Sample Name: 223653-5 Operator:
Run Time: 08/25/00 15:28:36
Comment: 9998

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19970.	3.232	8.584	165.6	1.673	-.8922	1515.
SDev	54.	1.206	.732	.3	.011	.0596	4.
%RSD	.2720	37.31	8.522	.1610	.6587	6.678	.2963
#1	20010.	2.379	9.102	165.8	1.665	-.9343	1518.
#2	19930.	4.084	8.067	165.4	1.681	-.8501	1511.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	40.91	19.65	22.58	50530.	4695.	1710.	28.46
SDev	.14	.47	.17	112.	12.	4.	.31
%RSD	.3308	2.383	.7470	.2224	.2641	.2193	1.100
#1	40.81	19.98	22.70	50610.	4704.	1713.	28.68
#2	41.00	19.32	22.46	50450.	4686.	1708.	28.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.0392	58.73	146.4	62.66	65.93	64.85	21.89
SDev	.3891	.85	.3	.86	.19	.41	.68
%RSD	992.2	1.451	.2249	1.366	.2936	.6388	3.102
#1	.3144	59.34	146.7	63.27	66.07	65.14	21.41
#2	-.2359	58.13	146.2	62.06	65.79	64.56	22.37
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.020	9.307	315.0
SDev	.003	2.057	.6
%RSD	.2757	22.10	.1754
#1	1.018	7.852	315.4
#2	1.022	10.76	314.6
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

307154

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1166	--	--	--	--	--	--
SDev	6.850442	--	--	--	--	--	--
%RSD	.5873171	--	--	--	--	--	--
#1	1162	--	--	--	--	--	--
#2	1171	--	--	--	--	--	--

Method: SW846 Sample Name: 223654-5 Operator:
Run Time: 08/25/00 15:33:35
Comment: 10044
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16000.	4.953	5.147	129.4	1.475	-.8780	1503.
SDev	27.	1.112	.967	.3	.006	.0647	4.
%RSD	.1692	22.45	18.79	.2412	.4140	7.365	.2427
#1	15980.	4.166	5.831	129.2	1.471	-.9238	1500.
#2	16020.	5.739	4.463	129.6	1.480	-.8323	1505.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	33.77	21.09	18.44	47710.	5287.	1346.	30.98
SDev	.24	.18	.33	116.	18.	3.	.27
%RSD	.7131	.8552	1.771	.2440	.3419	.2030	.8671
#1	33.60	21.21	18.67	47630.	5274.	1344.	30.79
#2	33.94	20.96	18.21	47790.	5300.	1348.	31.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.4386	47.78	123.1	32.34	38.85	36.69	14.84
SDev	.2044	.47	.5	3.12	2.76	.80	.24
%RSD	46.60	.9907	.4018	9.635	7.096	2.185	1.651
#1	-.2941	48.12	122.7	34.55	36.90	36.13	14.67
#2	-.5832	47.45	123.4	30.14	40.80	37.26	15.01
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

307155

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.061	2.562	280.7
SDev	.000	.789	.7
%RSD	.0139	30.81	.2505

#1	1.061	3.120	280.2
#2	1.061	2.004	281.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1173	--	--	--	--	--	--
SDev	.3959349	--	--	--	--	--	--
%RSD	.0337418	--	--	--	--	--	--
#1	1174	--	--	--	--	--	--
#2	1173	--	--	--	--	--	--

Method: SW846 Sample Name: 223655-5 Operator:
Run Time: 08/25/00 15:38:35
Comment: 10044
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17940.	5.981	6.068	145.4	1.550	-1.189	1497.
SDev	35.	2.720	1.266	.0	.026	.008	1.
%RSD	.1924	45.47	20.87	.0014	1.655	.6630	.0671
#1	17910.	7.904	5.172	145.4	1.532	-1.183	1496.
#2	17960.	4.058	6.963	145.4	1.569	-1.195	1497.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	2000.	10000.	20000.	2000.	5000.	250000.
Low	-200.0	-10.00	-5.000	-5.000	-3.000	-3.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	39.31	20.62	18.10	51110.	4976.	1556.	28.08
SDev	.31	.62	.26	24.	8.	.	.07
%RSD	.7970	3.002	1.457	.0477	.1620	.0082	.2480
#1	39.09	20.18	18.29	51090.	4971.	1556.	28.13
#2	39.53	21.05	17.92	51130.	4982.	1556.	28.03
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	5000.	25000.	200000.	250000.	10000.	5000.
Low	-5.000	-5.000	-5.000	-100.0	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.4039	55.98	101.1	31.73	37.01	35.26	17.79
SDev	.0246	1.49	.0	2.71	.39	1.16	.10
%RSD	6.097	2.664	.0168	8.527	1.052	3.290	.5770
#1	-.4213	54.93	101.1	33.65	37.28	36.08	17.86

307156

#2	-.3865	57.04	101.1	29.82	36.73	34.44	17.72
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	2500.	5000.	15000.			20000.	2000.
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1.078	.9315	310.0
SDev	.001	.0843	.2
%RSD	.0648	9.055	.0691
#1	1.078	.9911	309.9
#2	1.077	.8718	310.2
Errors	LC Pass	LC Pass	LC Pass
High	5000.	5000.	5000.
Low	-10.00	-10.00	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1168	--	--	--	--	--	--
SDev	1.940314	--	--	--	--	--	--
%RSD	.1660921	--	--	--	--	--	--
#1	1170	--	--	--	--	--	--
#2	1167	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA2 Operator:
Run Time: 08/25/00 15:43:34
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496100.	3.158	2.809	.7805	.1545	-3.471	482000.
SDev	4843.	3.753	.884	.0693	.0258	.124	4056.
%RSD	.9761	118.8	31.47	8.879	16.72	3.558	.8415
#1	499600.	H5.812	2.184	.8295	.1362	-3.558	484900.
#2	492700.	.5047	3.434	.7315	.1728	-3.384	479100.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	5.000	4.000	5.000	1.000	5.000	600000.
Low	400000.	-5.000	-4.000	-5.000	-1.000	-5.000	400000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.093	-.8418	-1.455	189500.	509900.	1.923	2.798
SDev	.320	.2980	.086	1818.	4791.	.073	.477
%RSD	7.807	35.40	5.889	.9597	.9397	3.801	17.06
#1	4.319	-1.053	-1.516	190700.	513300.	1.871	3.135
#2	3.867	-.6311	-1.395	188200.	506500.	1.975	2.460

307157

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	5.000	5.000	240000.	600000.	5.000	5.000
Low	-10.00	-5.000	-5.000	160000.	400000.	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	-.2855	-.5568	6.045	67.15	-36.04	-1.666	.5183
SDev	.1083	.3369	.156	.36	2.34	1.680	1.535
%RSD	37.94	60.51	2.586	.5352	6.492	100.8	296.2
#1	-.3621	-.3185	5.934	66.90	-37.69	-2.854	1.604
#2	-.2089	-.7950	6.155	67.41	-34.38	-.4782	-.5672

Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	5.000	5.000	10.00			3.000	5.000
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	-.6893	-2.177	2.742
SDev	.2314	.953	.005
%RSD	33.57	43.75	.2002
#1	-.8529	-2.851	2.746
#2	-.5257	-1.504	2.739

Errors	LC Pass	LC Pass	LC Pass
High	5.000	5.000	10.00
Low	-5.000	-5.000	-10.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1139	--	--	--	--	--	--
SDev	12.19613	--	--	--	--	--	--
%RSD	1.070974	--	--	--	--	--	--
#1	1130	--	--	--	--	--	--
#2	1147	--	--	--	--	--	--

Method: SW846 Sample Name: ICSAB2 Operator:
Run Time: 08/25/00 15:48:33
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	489500.	106.5	102.4	104.1	98.92	91.34	480700.
SDev	543.	1.7	.7	.1	.05	.10	210.
%RSD	.1110	1.577	.6750	.1067	.0548	.1093	.0436
#1	489100.	105.3	102.9	104.0	98.88	91.27	480600.
#2	489900.	107.7	101.9	104.2	98.96	91.41	480900.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	120.0	600000.

307158

Low	400000.	80.00	80.00	80.00	80.00	80.00	400000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100.3	94.62	101.4	194700.	520000.	101.2	97.66
SDev	.3	.58	.0	75.	371.	.0	.03
%RSD	.3244	.6138	.0270	.0387	.0714	.0382	.0308
#1	100.1	95.03	101.4	194700.	519700.	101.1	97.63
#2	100.5	94.21	101.5	194800.	520200.	101.2	97.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	120.0	240000.	600000.	120.0	120.0
Low	80.00	80.00	80.00	160000.	400000.	80.00	80.00

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	102.5	100.6	104.0	162.3	61.45	95.05	100.9
SDev	.3	.6	.2	2.1	3.60	1.68	.2
%RSD	.2907	.5832	.2403	1.323	5.863	1.773	.2140
#1	102.3	100.2	103.8	163.9	58.90	93.86	101.1
#2	102.7	101.0	104.2	160.8	64.00	96.25	100.8
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	120.0	120.0	120.0			120.0	120.0
Low	80.00	80.00	80.00			80.00	80.00

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	97.39	193.4	100.5
SDev	.23	.5	.1
%RSD	.2399	.2807	.0832
#1	97.23	193.8	100.6
#2	97.56	193.0	100.5
Errors	LC Pass	LC Pass	LC Pass
High	120.0	240.0	120.0
Low	80.00	160.0	80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1105	--	--	--	--	--	--
SDev	.4355543	--	--	--	--	--	--
%RSD	.0394140	--	--	--	--	--	--
#1	1105	--	--	--	--	--	--
#2	1105	--	--	--	--	--	--

307159

Method: SW846 Sample Name: CCV5 Operator:
Run Time: 08/25/00 15:53:32
Comment: 9998

Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	250600.	1048.	4946.	10090.	1033.	2481.	129700.
SDev	1750.	1.	35.	74.	6.	14.	803.
%RSD	.6985	.0748	.7058	.7369	.5842	.5603	.6192
#1	251800.	1049.	4971.	10150.	1037.	2491.	130300.
#2	249300.	1047.	4921.	10040.	1029.	2472.	129100.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276200.	1105.	5525.	11050.	1105.	2762.	138100.
Low	223800.	895.0	4475.	8950.	895.0	2238.	112000.

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5146.	2478.	12810.	101900.	126400.	5160.	2471.
SDev	32.	17.	103.	637.	608.	31.	21.
%RSD	.6159	.6665	.8067	.6254	.4814	.6097	.8473
#1	5168.	2490.	12890.	102400.	126800.	5183.	2486.
#2	5123.	2467.	12740.	101500.	125900.	5138.	2456.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5525.	2762.	13810.	110500.	138100.	5525.	2762.
Low	4480.	2238.	11200.	89500.	112000.	4480.	2238.

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	1176.	2560.	7574.	9990.	10060.	10030.	503.5
SDev	11.	17.	36.	13.	39.	30.	4.1
%RSD	.9066	.6750	.4775	.1312	.3893	.3037	.8187
#1	1184.	2573.	7599.	9999.	10090.	10060.	506.4
#2	1169.	2548.	7548.	9980.	10030.	10010.	500.6
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	1381.	2762.	8285.			11050.	552.5
Low	1120.	2238.	6715.			8951.	447.5

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	1284.	2529.	5049.
SDev	8.	17.	30.
%RSD	.6410	.6835	.5978
#1	1290.	2541.	5071.
#2	1279.	2516.	5028.
Errors	LC Pass	LC Pass	LC Pass
High	1381.	2762.	5525.
Low	1120.	2238.	4480.

307160

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

Wavlen	371.030	--	--	--	--	--	--
Avge	1110	--	--	--	--	--	--
SDev	3.405455	--	--	--	--	--	--
%RSD	.3068508	--	--	--	--	--	--
#1	1107	--	--	--	--	--	--
#2	1112	--	--	--	--	--	--

Method: SW846 Sample Name: CCB5 Operator:
Run Time: 08/25/00 15:58:32
Comment: 9998
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1890	Ba4934	Be3130	Cd2265	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-21.64	1.562	.5350	-.1916	.0833	-.0455	-.4240
SDev	.15	.554	.0130	.1975	.0297	.0526	3.0922
%RSD	.6721	35.44	2.434	103.1	35.64	115.4	729.2
#1	-21.74	1.171	.5258	-.0519	.0623	-.0084	1.762
#2	-21.53	1.954	.5442	-.3313	.1043	-.0827	-2.611
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	10.00	4.000	5.000	1.000	1.500	500.0
Low	-200.0	-10.00	-4.000	-5.000	-1.000	-1.500	-500.0

Elem	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0798	-.0865	.2989	-3.585	6.600	-.1396	.3015
SDev	.0826	.0951	.0679	10.558	5.342	.0359	.2225
%RSD	103.6	110.0	22.73	294.5	80.94	25.72	73.80
#1	-.0213	-.0192	.3469	3.880	10.38	-.1142	.1442
#2	-.1382	-.1537	.2508	-11.05	2.823	-.1650	.4588
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	50.00	500.0	5.000	5.000
Low	-5.000	-5.000	-5.000	-50.00	-500.0	-5.000	-5.000

Elem	Ag3280	V_2924	Zn2062	2203/1	2203/2	Pb2203	La3988
Units	ppb	ppb	ppb			ppb	ppb
Avge	.4792	-.9168	-.8324	-5.147	.8306	-1.153	-.2530
SDev	.1930	.5010	.2148	2.593	.5923	1.259	.0162
%RSD	40.27	54.65	25.80	50.38	71.31	109.1	6.397
#1	.3428	-1.271	-.6805	-3.313	1.249	-.2631	-.2644
#2	.6157	-.5626	-.9843	-6.981	.4118	-2.043	-.2415
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	5.000	5.000	10.00			3.000	10.00
Low	-5.000	-5.000	-5.000			-3.000	-5.000

Elem	Mo2020	Sn1899	Ti3349
Units	ppb	ppb	ppb
Avge	.6164	-.5907	.2735
SDev	.2071	.7524	.0786
%RSD	33.59	127.4	28.74

307161

Element: Ag, Al, As, Ba, Be, Ca, Cd, Cu, Cr, Co, Fe, K, Mg, Mn, Ni, Na, Pb, Se, Sb, Tl, V, Zn, B, La, Mo, Sr, Sn, Ti

Batch#. 10073NT1 / 10048NT1
Date: 8-25-00

File : 10073NT1.WSL / 10048NT1

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Fle
1	STD1-BLANK		3		1.0	08/25/00	11:53:00	
2	STD2		3		1.0	08/25/00	11:58:00	
3	STD3		3		1.0	08/25/00	12:03:00	
4	STD4		3		1.0	08/25/00	12:08:00	
5	HSA		0		1.0	08/25/00	12:14:00	
6	ICV/CCV1		0		1.0	08/25/00	12:19:00	
7	ICB/CCB1		0		1.0	08/25/00	12:24:00	
8	ICSA1		0		1.0	08/25/00	12:29:00	
9	ICSAB1		0		1.0	08/25/00	12:34:00	
10	INT-20		0		1.0	08/25/00	12:39:00	
11	MCL		0		1.0	08/25/00	12:44:00	
12	BSS082100		0		1.0	08/25/00	12:49:00	
13	PBS082100		0		1.0	08/25/00	12:54:00	
14	LCSS-244		0		2.0	08/25/00	12:59:00	
15	LCSS-244-D		0		2.0	08/25/00	13:04:00	
16	223656D		0		5.0	08/25/00	13:09:00	
17	223656		0		5.0	08/25/00	13:14:00	
18	CCV2		0		1.0	08/25/00	13:19:00	
19	CCB2		0		1.0	08/25/00	13:24:00	
20	223656L		0		5.0	08/25/00	13:29:00	
21	223656MS		0		5.0	08/25/00	13:34:00	
22	223656MSD		0		5.0	08/25/00	13:38:00	
23	223656A		0		5.0	08/25/00	13:43:00	
24	223699		0		5.0	08/25/00	13:48:00	
25	223700		0		5.0	08/25/00	13:53:00	
26	223701		0		1.0	08/25/00	13:58:00	
27	223344		0		5.0	08/25/00	14:03:00	
28	223345		0		5.0	08/25/00	14:08:00	
29	223346		0		5.0	08/25/00	14:13:00	
30	CCV3		0		1.0	08/25/00	14:18:00	
31	CCB3		0		1.0	08/25/00	14:23:00	
32	223347		0		5.0	08/25/00	14:28:00	
33	223022		0		1.0	08/25/00	14:33:00	
34	223544		0		5.0	08/25/00	14:38:00	
35	223553		0		5.0	08/25/00	14:43:00	
36	223560		0		1.0	08/25/00	14:48:00	
37	223648		0		5.0	08/25/00	14:53:00	
38	223649		0		5.0	08/25/00	14:58:00	
39	223650		0		5.0	08/25/00	15:03:00	
40	223651		0		5.0	08/25/00	15:08:00	
41	223652		0		5.0	08/25/00	15:13:00	
42	CCV4		0		1.0	08/25/00	15:18:00	
43	CCB4		0		1.0	08/25/00	15:23:00	
44	223653		0		5.0	08/25/00	15:28:00	
45	223654		0		5.0	08/25/00	15:33:00	
46	223655		0		5.0	08/25/00	15:38:00	
47	ZZZZZZ		0		1.0	08/25/00	15:43:00	
48	ZZZZZZ		0		1.0	08/25/00	15:48:00	
49	CCV5		0		1.0	08/25/00	15:53:00	
50	CCB5		0		1.0	08/25/00	15:58:00	
51	BSL082500		0		1.0	08/25/00	16:16:00	
52	PBL082500		0		1.0	08/25/00	16:21:00	
53	222657D		0		2.0	08/25/00	16:26:00	
54	222357		0		2.0	08/25/00	16:31:00	
55	222657L		0		2.0	08/25/00	16:36:00	
56	222657MS		0		2.0	08/25/00	16:41:00	
57	222657MSD		0		2.0	08/25/00	16:46:00	
58	222657A		0		2.0	08/25/00	16:51:00	
59	222651		0		2.0	08/25/00	16:56:00	
60	222652		0		2.0	08/25/00	17:01:00	
61	CCV6		0		1.0	08/25/00	17:06:00	
62	CCB6		0		1.0	08/25/00	17:11:00	
63	222658		0		2.0	08/25/00	17:16:00	
64	222660		0		2.0	08/25/00	17:21:00	
65	TCTB081800		0		2.0	08/25/00	17:26:00	
66	ICSA2		0		1.0	08/25/00	17:31:00	
67	ICSAB2		0		1.0	08/25/00	17:36:00	
68	CCV7		0		1.0	08/25/00	17:41:00	
69	CCB7		0		1.0	08/25/00	17:46:00	

ntinued on Page

Read and Understood By

307162

Signed — Date 8-30-00

Signed — Date 8/30/00

Metals Preparation Logbook

Batch: 10048
Spike Sources/Lot #
MS/BS: 2mls ICP. PSPK7.10.00

LCS: 244

Prep Date: 8/21/00
Reagent Sources/Lot #
HNO_3: 4623N05A07
HCl: 5587N47A07
H_2O_2: V340N40768

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	C949	223699	1.05g	100ml	
2		223700	1.06g		
3		223701FB	50ml	50ml	
4	C910	223344	1.08g	100ml	
5		223345	1.02g		
6		223346	1.05g		
7		223347	1.06g		
8	C868	223022 FB	50ml	50ml	
9	C924	223544	1.07g	100ml	
10		223553	1.04g		
11		223560FB	50ml	50ml	
12	C941	223648	1.05g	100ml	
13		223649	1.05g		
14		223650	1.06g		
15		223651	1.01g		
16		223652	1.01g		
17		223653	1.00g		
18		223654	1.00g		
19		223655	1.03g		
20		223656	1.01g		
MS	C941	223656	1.00g	100ml	
MSD			1.00g		
D			1.01g		
BS		10048			
PBLK					
LCSS			1.00g		
LCSSD			1.00g		

Analyst(s): Camille Retana
Form ID:METPRLOG1

Reviewed by: [illegible]

307163