SDMS Document
98448

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 3C
LABORATORY QA/QC DATA PACKAGE
10/6/98 - JOB #EH941

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

304284

MAY 2004

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Job No. H941- The Whitman Companies, Inc. - Klockner & Klockner

VOLUME 3

GC/ELCD Forms and Data

Metals Forms and Data

General Chemistry Forms

Petroleum Hydrocarbon Forms and Data

304285

Client ID: SSAW-8_5.5-6
Site: Klockner & Klockner

Lab Sample No: 88551
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9515.d

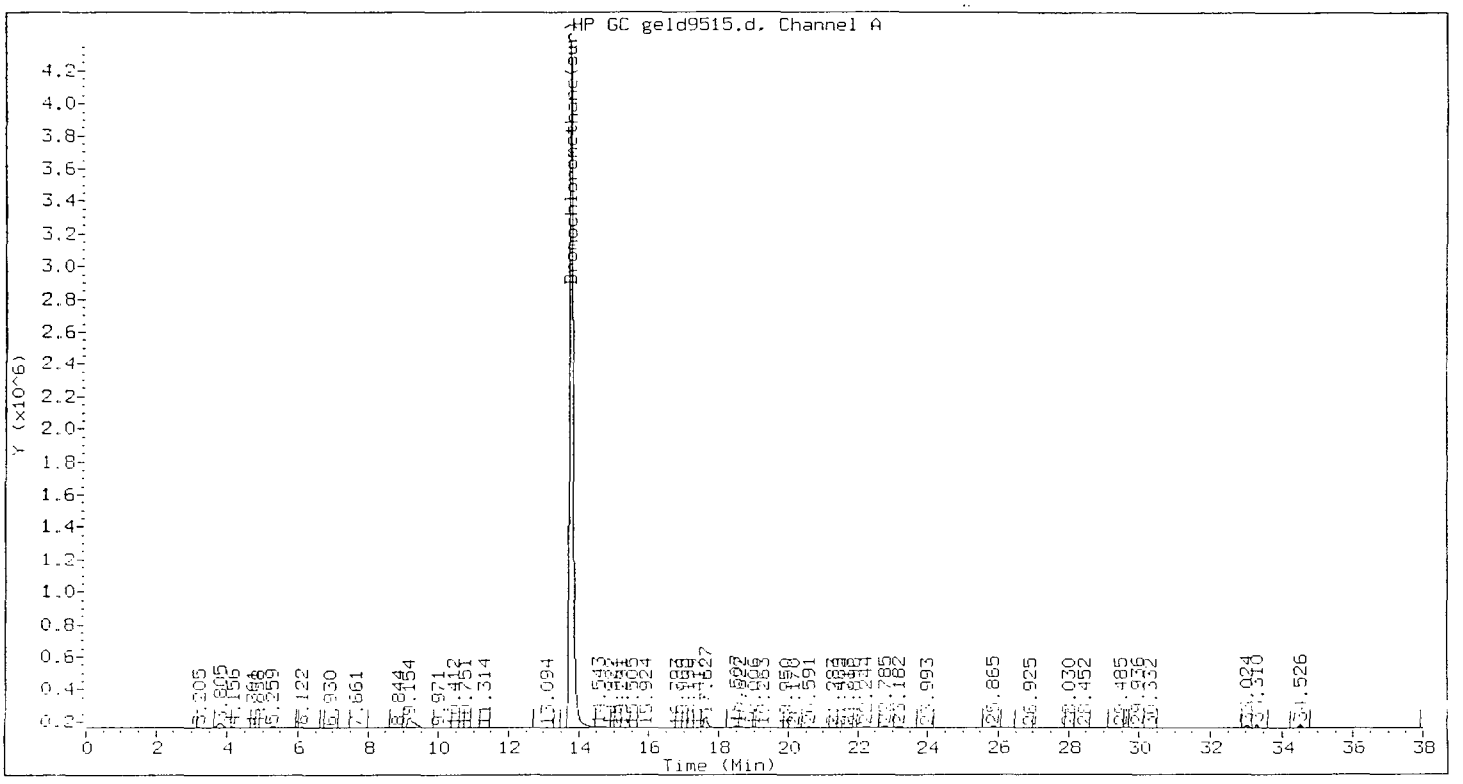
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.1

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	139
Chloromethane	ND	139
Vinyl Chloride	ND	139
Bromomethane	ND	139
Chloroethane	ND	139
Trichlorofluoromethane	ND	139
1,1-Dichloroethene	ND	139
Methylene Chloride	ND	139
trans-1,2-Dichloroethene	ND	139
1,1-Dichloroethane	ND	139
cis-1,2-Dichloroethene	ND	139
Chloroform	ND	139
1,1,1-Trichloroethane	ND	139
Carbon Tetrachloride	ND	139
1,2-Dichloroethane	ND	139
Trichloroethene	ND	139
1,2-Dichloropropane	ND	139
Bromodichloromethane	ND	139
2-Chloroethyl Vinyl Ether	ND	139
cis-1,3-Dichloropropene	ND	139
trans-1,3-Dichloropropene	ND	139
1,1,2-Trichloroethane	ND	139
Tetrachloroethene	ND	139
Dibromochloromethane	ND	139
Chlorobenzene	ND	139
Bromoform	ND	139
1,1,2,2-Tetrachloroethane	ND	139
1,3-Dichlorobenzene	ND	139
1,4-Dichlorobenzene	ND	139
1,2-Dichlorobenzene	ND	139

304286

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/geld9515.d Page 1
Report Date 10/17/98 08:48



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Sample Info : 88551;;50
Lab ID : 88551
Inj Date : 16-OCT-98 21:50:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Bromochloromethane(sur)	13.760	13.730	0.030	145326105	35.668	4959.360

304287

Client ID: SSAW-3_1-1.5
Site: Klockner & Klockner

Lab Sample No: 88552
Lab Job No: H941

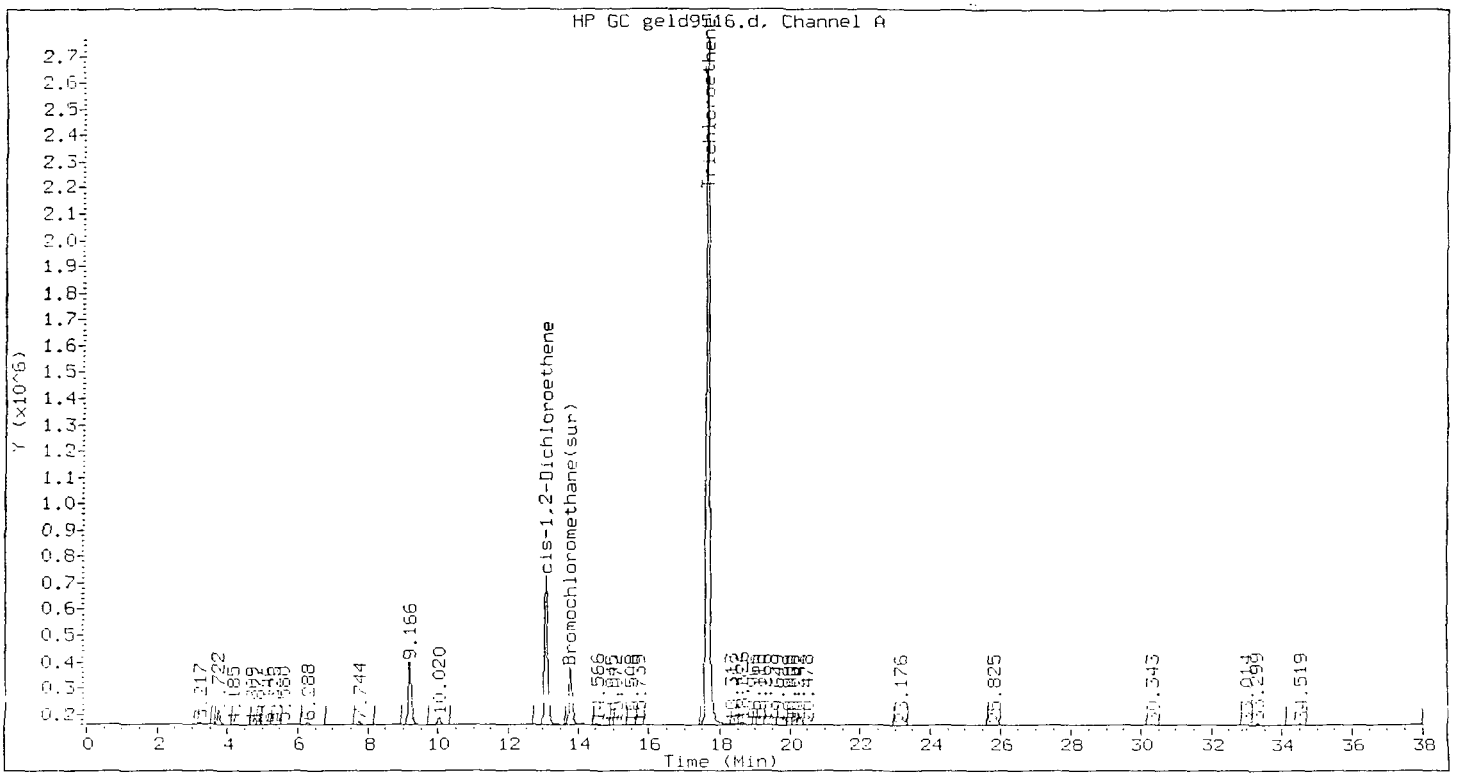
Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9516.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 16.6

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	2940
Chloromethane	ND	2940
Vinyl Chloride	ND	2940
Bromomethane	ND	2940
Chloroethane	ND	2940
Trichlorofluoromethane	ND	2940
1,1-Dichloroethene	ND	2940
Methylene Chloride	ND	2940
trans-1,2-Dichloroethene	ND	2940
1,1-Dichloroethane	ND	2940
cis-1,2-Dichloroethene	10800	2940
Chloroform	ND	2940
1,1,1-Trichloroethane	ND	2940
Carbon Tetrachloride	ND	2940
1,2-Dichloroethane	ND	2940
Trichloroethene	32300	2940
1,2-Dichloropropane	ND	2940
Bromodichloromethane	ND	2940
2-Chloroethyl Vinyl Ether	ND	2940
cis-1,3-Dichloropropene	ND	2940
trans-1,3-Dichloropropene	ND	2940
1,1,2-Trichloroethane	ND	2940
Tetrachloroethene	ND	2940
Dibromochloromethane	ND	2940
Chlorobenzene	ND	2940
Bromoform	ND	2940
1,1,2,2-Tetrachloroethane	ND	2940
1,3-Dichlorobenzene	ND	2940
1,4-Dichlorobenzene	ND	2940
1,2-Dichlorobenzene	ND	2940

304288



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Lab ID : 88552
Inj Date : 16-OCT-98 22:35:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1000
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
cis-1,2-Dichloroethene	13.061	13.022	0.039	18363961	3.669	10781.543
Trichloroethene	17.625	17.592	0.033	81243769	10.983	32277.261
Bromochloromethane(sur)	13.769	13.730	0.039	7243701	1.778	5224.756

304289

Client ID: SSAW-3_11.5-12
Site: Klockner & Klockner

Lab Sample No: 88553
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9517.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	131
Chloromethane	ND	131
Vinyl Chloride	ND	131
Bromomethane	ND	131
Chloroethane	ND	131
Trichlorofluoromethane	ND	131
1,1-Dichloroethene	ND	131
Methylene Chloride	ND	131
trans-1,2-Dichloroethene	ND	131
1,1-Dichloroethane	ND	131
cis-1,2-Dichloroethene	ND	131
Chloroform	ND	131
1,1,1-Trichloroethane	ND	131
Carbon Tetrachloride	ND	131
1,2-Dichloroethane	ND	131
Trichloroethene	ND	131
1,2-Dichloropropane	ND	131
Bromodichloromethane	ND	131
2-Chloroethyl Vinyl Ether	ND	131
cis-1,3-Dichloropropene	ND	131
trans-1,3-Dichloropropene	ND	131
1,1,2-Trichloroethane	ND	131
Tetrachloroethene	ND	131
Dibromochloromethane	ND	131
Chlorobenzene	ND	131
Bromoform	ND	131
1,1,2,2-Tetrachloroethane	ND	131
1,3-Dichlorobenzene	ND	131
1,4-Dichlorobenzene	ND	131
1,2-Dichlorobenzene	ND	131

304290

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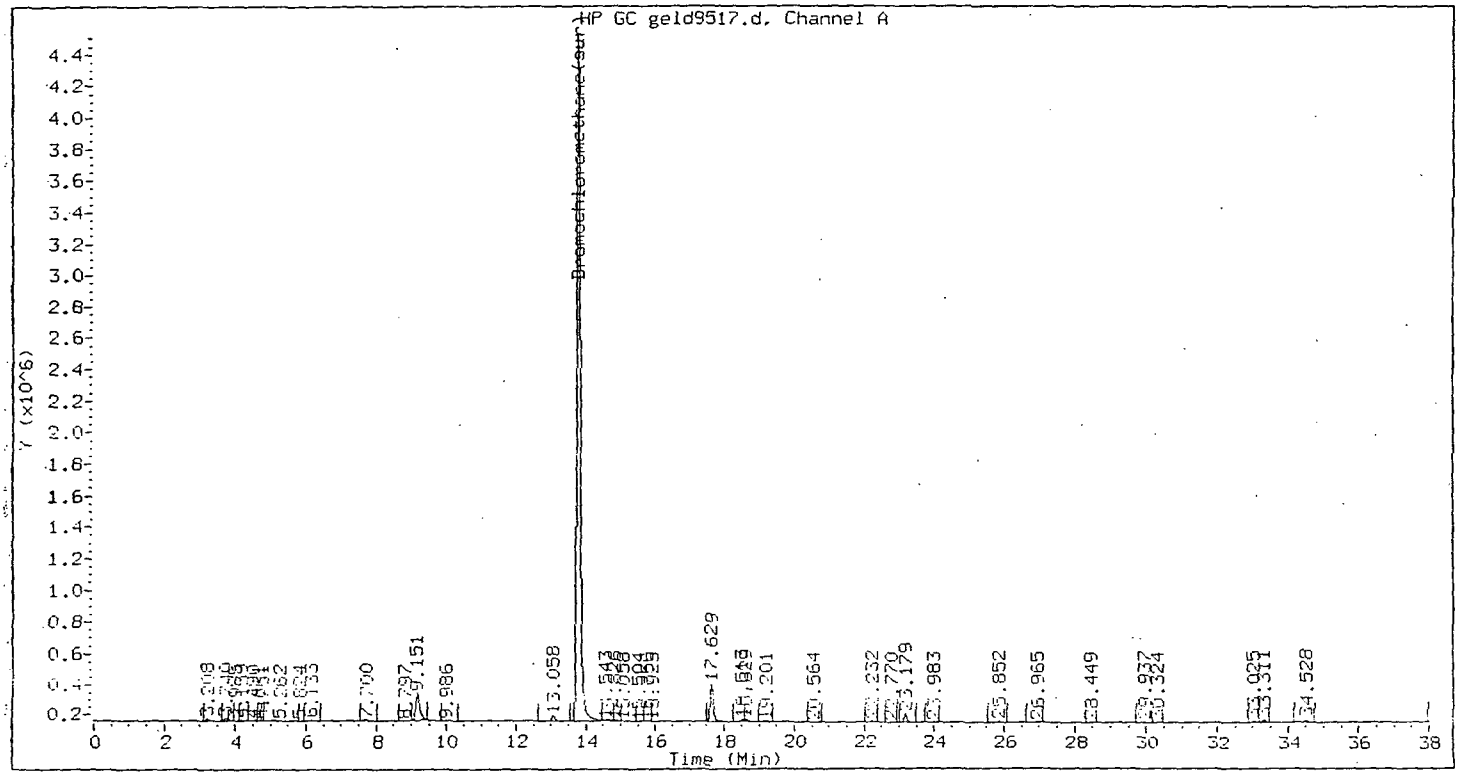

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Sample Info : 88553;;50
Lab ID : 88553
Inj Date : 16-OCT-98 23:19:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	13.759	13.730	0.029	143318551	35.175	4625.368

304291

Client ID: **SSWT-1_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88554**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9518.d

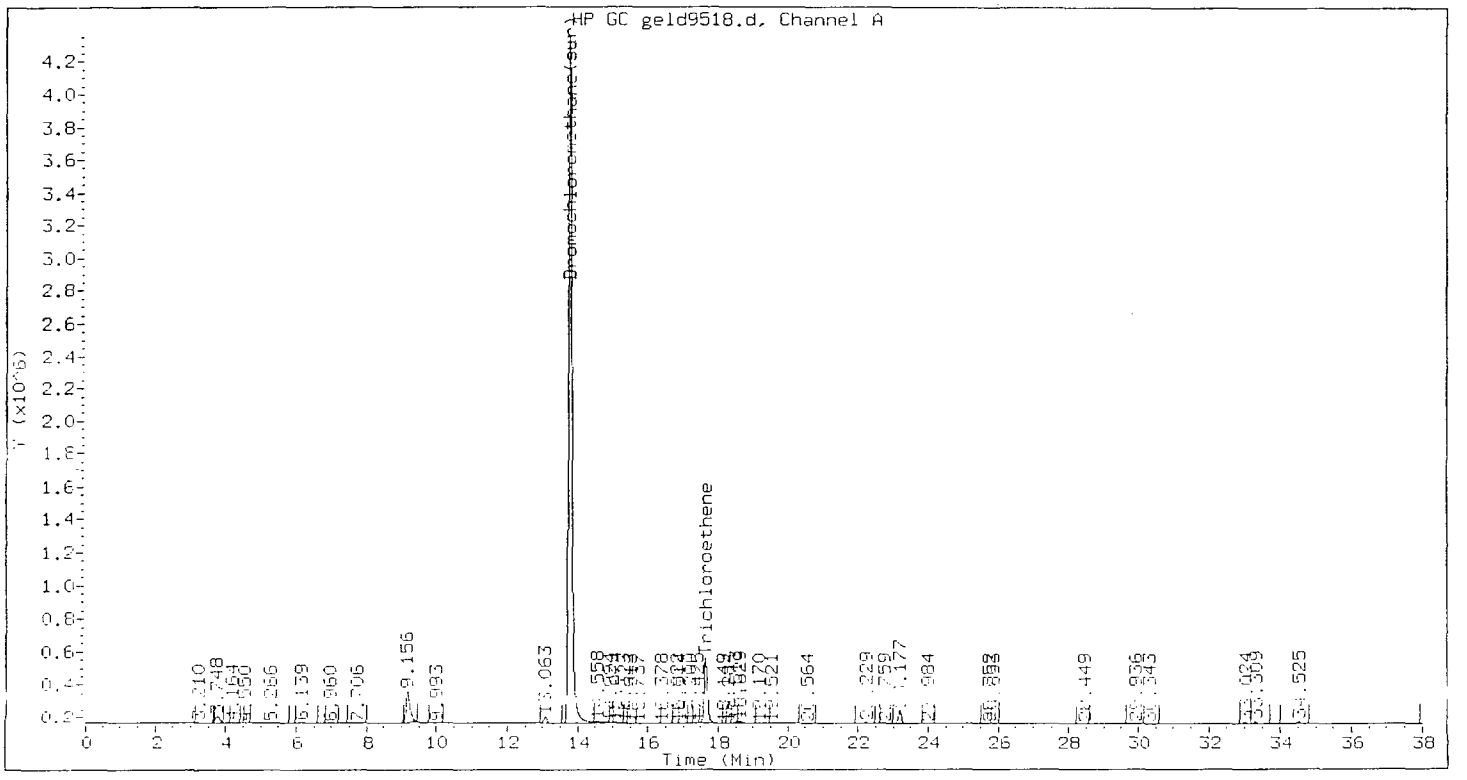
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.1

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	134
Chloromethane	ND	134
Vinyl Chloride	ND	134
Bromomethane	ND	134
Chloroethane	ND	134
Trichlorofluoromethane	ND	134
1,1-Dichloroethene	ND	134
Methylene Chloride	ND	134
trans-1,2-Dichloroethene	ND	134
1,1-Dichloroethane	ND	134
cis-1,2-Dichloroethene	ND	134
Chloroform	ND	134
1,1,1-Trichloroethane	ND	134
Carbon Tetrachloride	ND	134
1,2-Dichloroethane	ND	134
Trichloroethene	237	134
1,2-Dichloropropane	ND	134
Bromodichloromethane	ND	134
2-Chloroethyl Vinyl Ether	ND	134
cis-1,3-Dichloropropene	ND	134
trans-1,3-Dichloropropene	ND	134
1,1,2-Trichloroethane	ND	134
Tetrachloroethene	ND	134
Dibromochloromethane	ND	134
Chlorobenzene	ND	134
Bromoform	ND	134
1,1,2,2-Tetrachloroethane	ND	134
1,3-Dichlorobenzene	ND	134
1,4-Dichlorobenzene	ND	134
1,2-Dichlorobenzene	ND	134

304292

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/geld9518.d Page 1
Report Date 10/17/98 08:48



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Sample Info : 88554;;50
Lab ID : 88554
Inj Date : 17-OCT-98 00:04:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Trichloroethene	17.630	17.592	0.038	13118044	1.773	237.093
Bromochloromethane(sur)	13.763	13.730	0.033	138511808	33.995	4545.016

304293

Client ID: **SSAW-1_2.5-3**
Site: Klockner & Klockner

Lab Sample No: **88555**
Lab Job No: H941

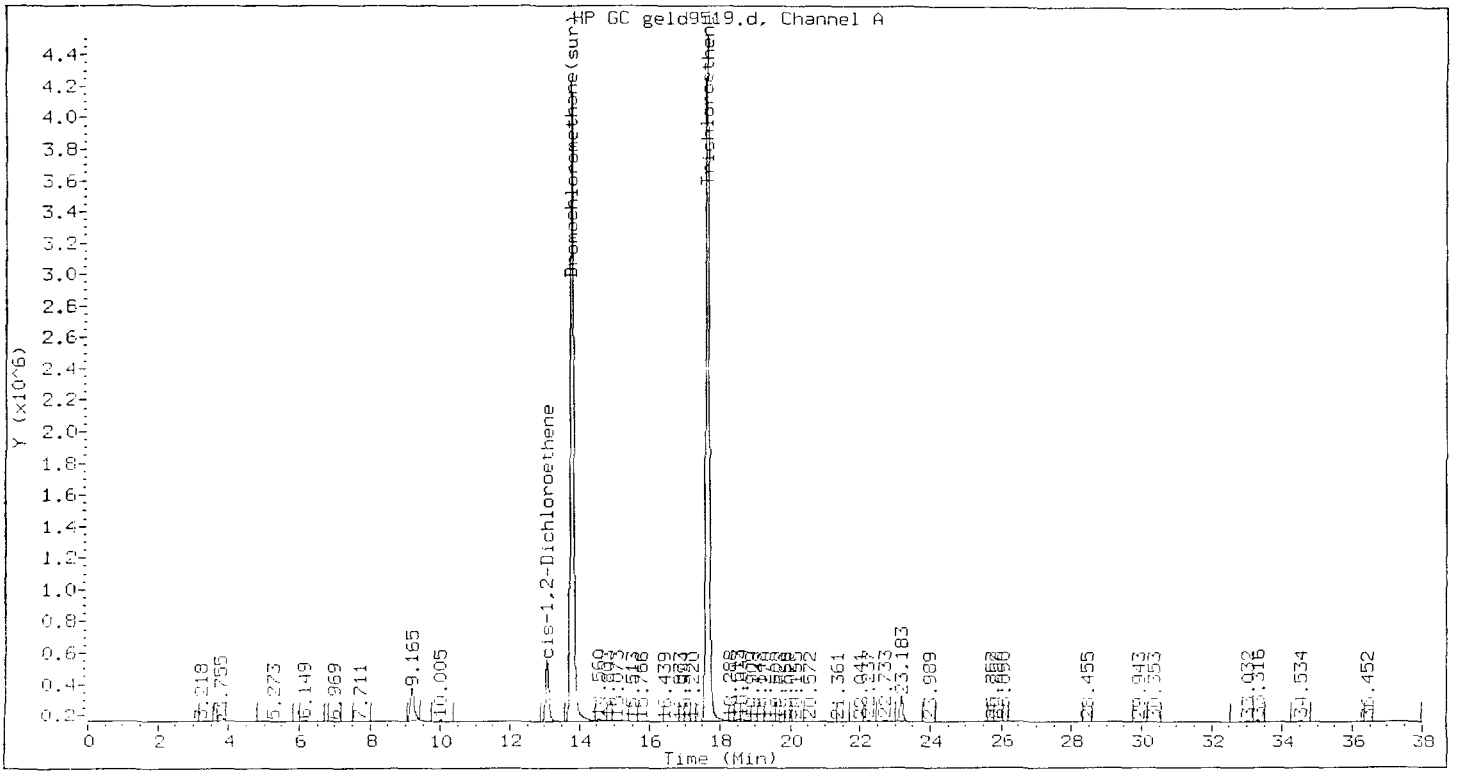
Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9519.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

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	351	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	2470	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

304294



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/8021E.m
Sample Info : 88555;;50
Lab ID : 88555
Inj Date : 17-OCT-98 00:48:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
cis-1,2-Dichloroethene	13.066	13.022	0.044	13492824	2.696	350.980
Trichloroethene	17.630	17.592	0.038	140276356	18.963	2469.199
Bromochloromethane(sur)	13.769	13.730	0.039	133675971	32.808	4271.927

304295

Client ID: SSAW-1_13-13.5
Site: Klockner & Klockner

Lab Sample No: 88556
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9520.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

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	143	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	1330	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

304296

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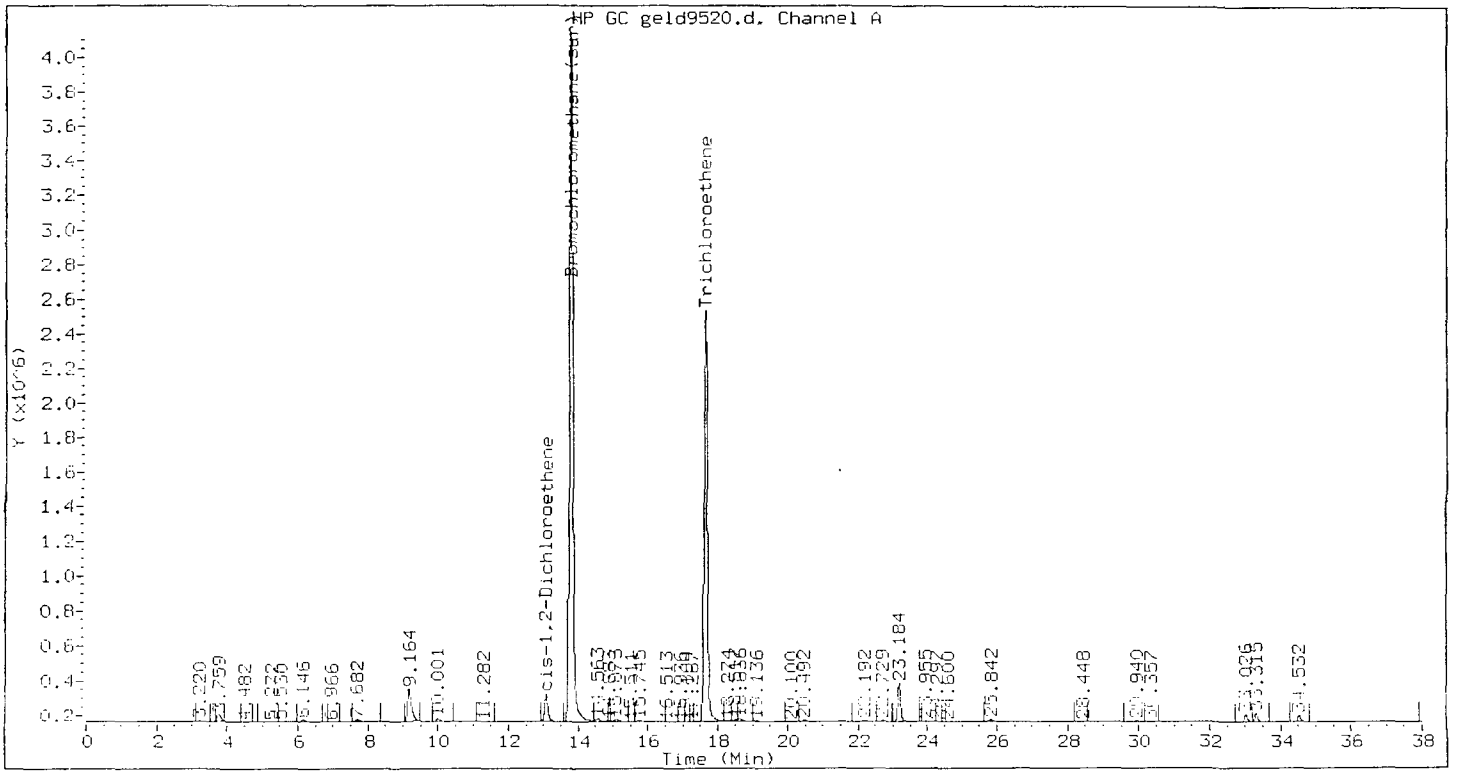


Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/8021E.m
Sample Info : 88556;;50
Lab ID : 88556
Inj Date : 17-OCT-98 01:32:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
cis-1,2-Dichloroethene	13.066	13.022	0.044	5503811	1.100	142.714
Trichloroethene	17.633	17.592	0.041	76020618	10.277	1333.907
Bromochloromethane(sur)	13.769	13.730	0.039	131023413	32.157	4173.897

304297

Client ID: **SSAN-8_11-11.5**
Site: Klockner & Klockner

Lab Sample No: **88558**
Lab Job No: H941

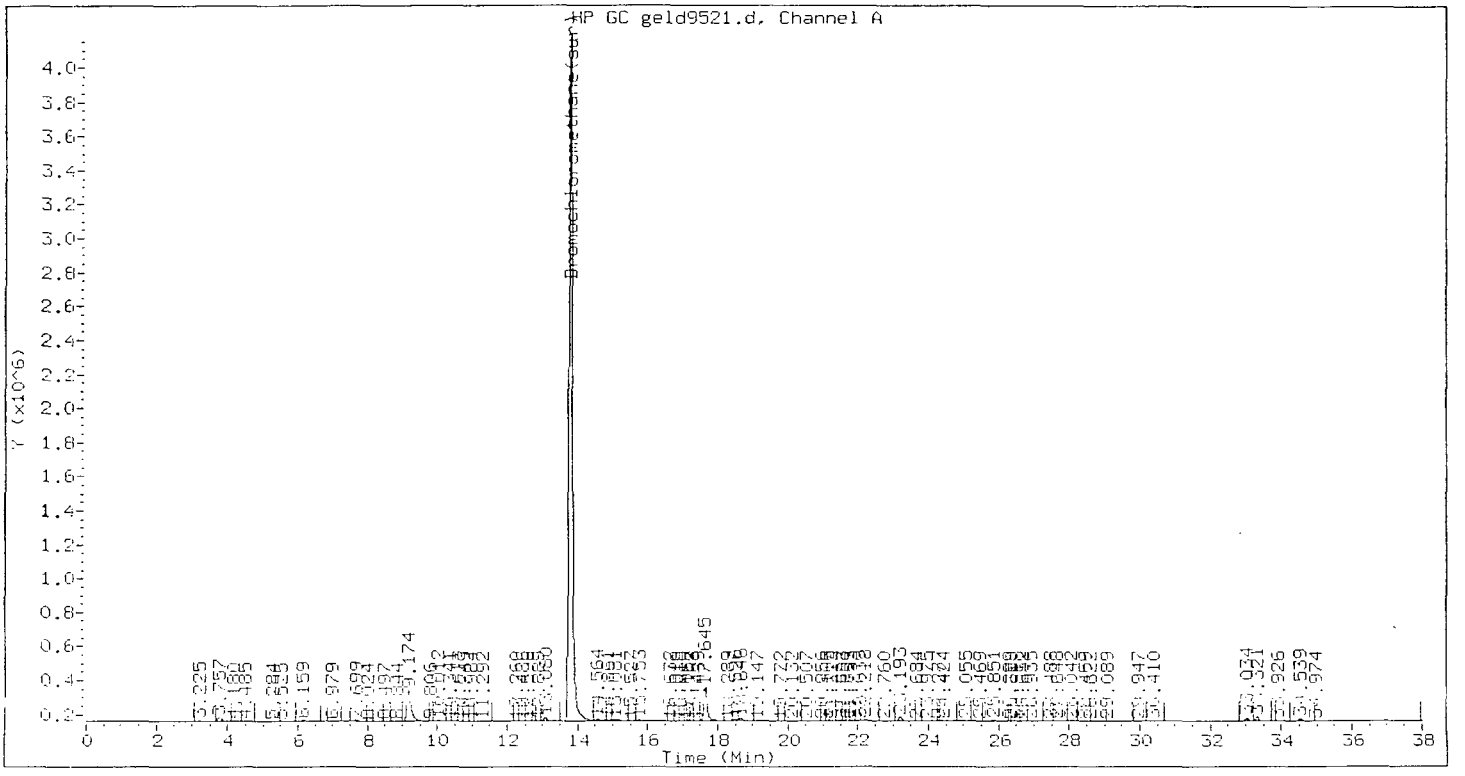
Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9521.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13.8

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	136
Chloromethane	ND	136
Vinyl Chloride	ND	136
Bromomethane	ND	136
Chloroethane	ND	136
Trichlorofluoromethane	ND	136
1,1-Dichloroethene	ND	136
Methylene Chloride	ND	136
trans-1,2-Dichloroethene	ND	136
1,1-Dichloroethane	ND	136
cis-1,2-Dichloroethene	ND	136
Chloroform	ND	136
1,1,1-Trichloroethane	ND	136
Carbon Tetrachloride	ND	136
1,2-Dichloroethane	ND	136
Trichloroethene	ND	136
1,2-Dichloropropane	ND	136
Bromodichloromethane	ND	136
2-Chloroethyl Vinyl Ether	ND	136
cis-1,3-Dichloropropene	ND	136
trans-1,3-Dichloropropene	ND	136
1,1,2-Trichloroethane	ND	136
Tetrachloroethene	ND	136
Dibromochloromethane	ND	136
Chlorobenzene	ND	136
Bromoform	ND	136
1,1,2,2-Tetrachloroethane	ND	136
1,3-Dichlorobenzene	ND	136
1,4-Dichlorobenzene	ND	136
1,2-Dichlorobenzene	ND	136

304298



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Lab ID : 88558
Inj Date : 17-OCT-98 02:16:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	13.780	13.730	0.050	132227383	32.453	4398.170

304299

Client ID: SSWT-2_7-7.5
Site: Klockner & Klockner

Lab Sample No: 88561
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9522.d

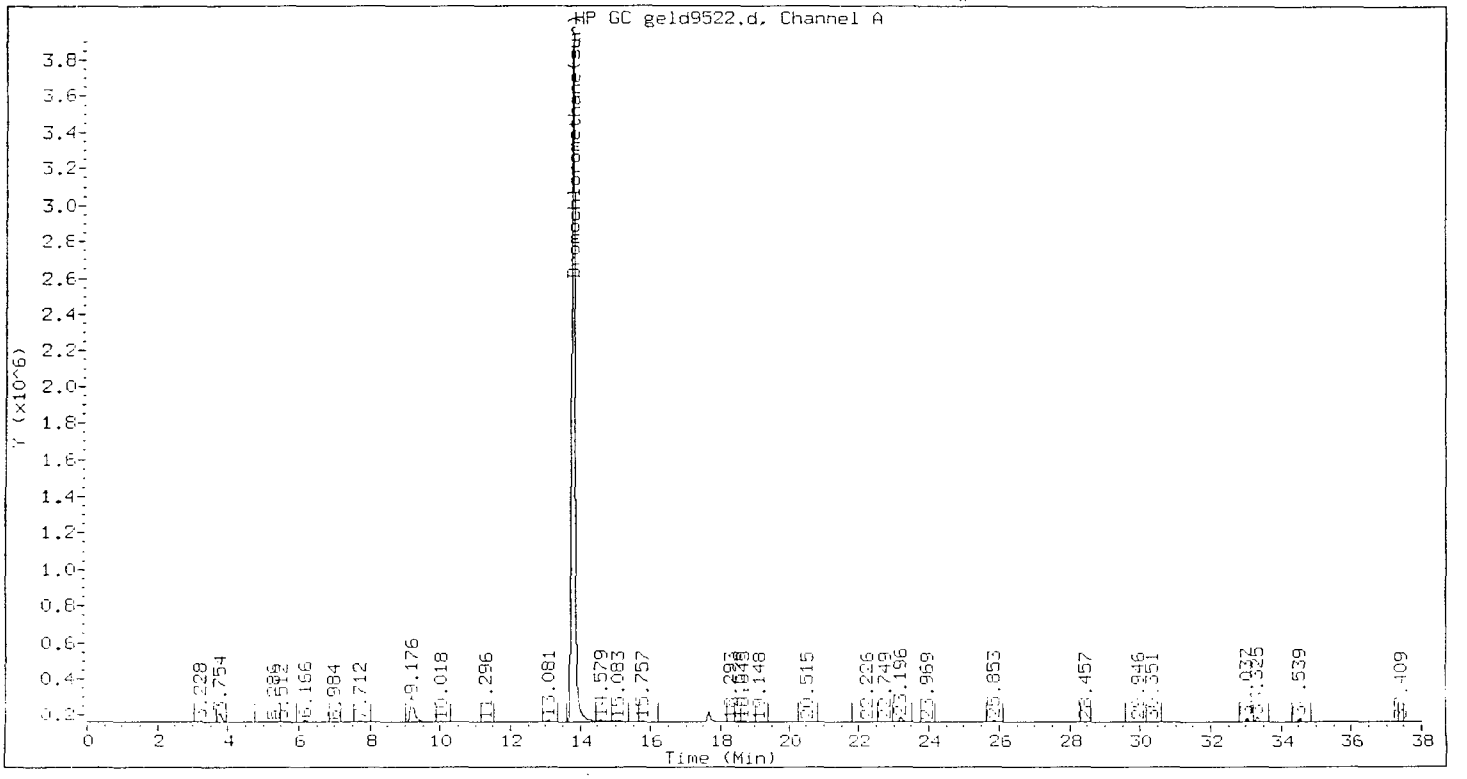
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 5.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	132
Chloromethane	ND	132
Vinyl Chloride	ND	132
Bromomethane	ND	132
Chloroethane	ND	132
Trichlorofluoromethane	ND	132
1,1-Dichloroethene	ND	132
Methylene Chloride	ND	132
trans-1,2-Dichloroethene	ND	132
1,1-Dichloroethane	ND	132
cis-1,2-Dichloroethene	ND	132
Chloroform	ND	132
1,1,1-Trichloroethane	ND	132
Carbon Tetrachloride	ND	132
1,2-Dichloroethane	ND	132
Trichloroethene	ND	132
1,2-Dichloropropane	ND	132
Bromodichloromethane	ND	132
2-Chloroethyl Vinyl Ether	ND	132
cis-1,3-Dichloropropene	ND	132
trans-1,3-Dichloropropene	ND	132
1,1,2-Trichloroethane	ND	132
Tetrachloroethene	ND	132
Dibromochloromethane	ND	132
Chlorobenzene	ND	132
Bromoform	ND	132
1,1,2,2-Tetrachloroethane	ND	132
1,3-Dichlorobenzene	ND	132
1,4-Dichlorobenzene	ND	132
1,2-Dichlorobenzene	ND	132

304300

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/geld9522.d Page 1
Report Date 10/17/98 08:49



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/8021E.m
Sample Info : 88561;;50
Lab ID : 88561
Inj Date : 17-OCT-98 03:00:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	13.779	13.730	0.049	125151602	30.716	4041.611

304301

Client ID: **SSDSA-1_1.5-2**
Site: Klockner & Klockner

Lab Sample No: 88568
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9523.d

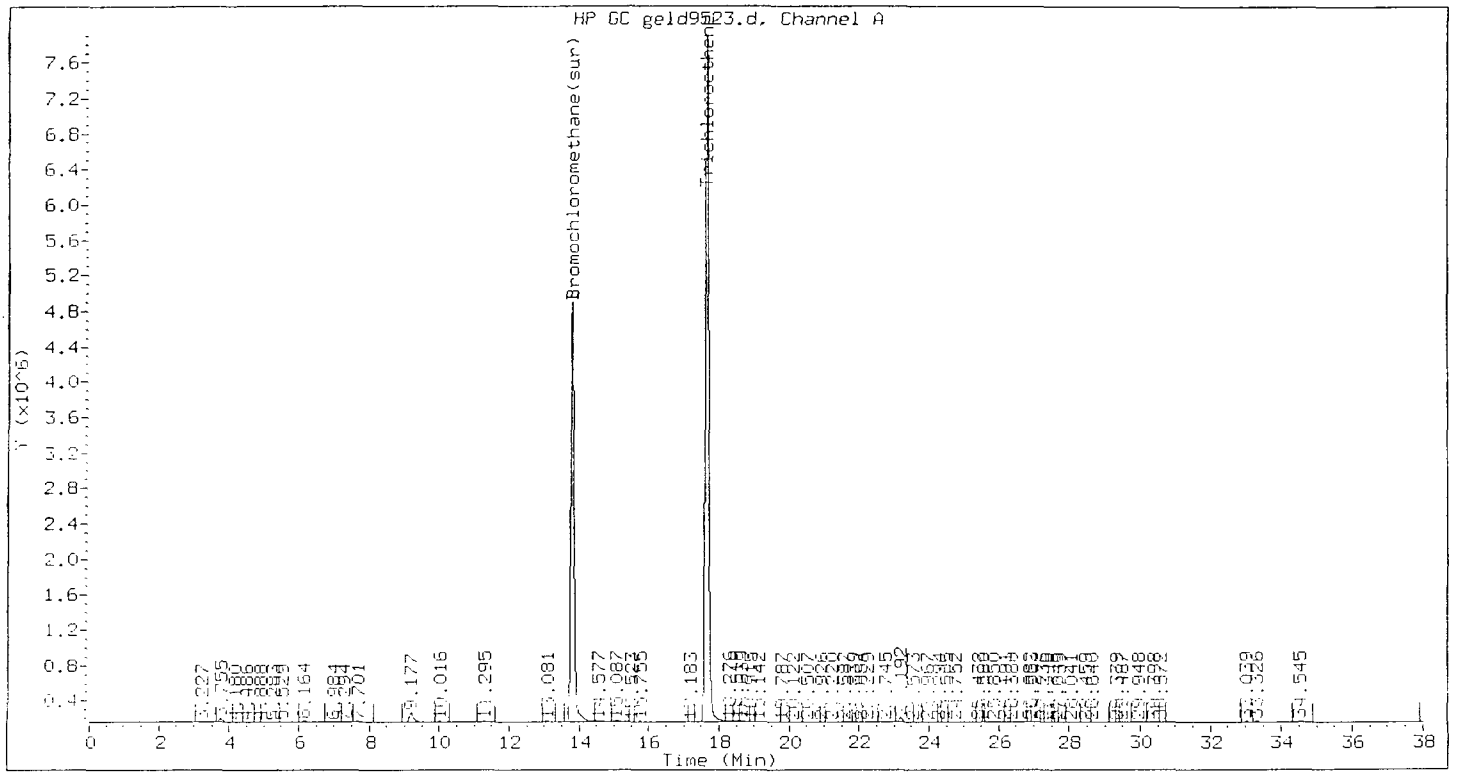
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.9

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	132
Chloromethane	ND	132
Vinyl Chloride	ND	132
Bromomethane	ND	132
Chloroethane	ND	132
Trichlorofluoromethane	ND	132
1,1-Dichloroethene	ND	132
Methylene Chloride	ND	132
trans-1,2-Dichloroethene	ND	132
1,1-Dichloroethane	ND	132
cis-1,2-Dichloroethene	ND	132
Chloroform	ND	132
1,1,1-Trichloroethane	ND	132
Carbon Tetrachloride	ND	132
1,2-Dichloroethane	ND	132
Trichloroethene	4560	132
1,2-Dichloropropane	ND	132
Bromodichloromethane	ND	132
2-Chloroethyl Vinyl Ether	ND	132
cis-1,3-Dichloropropene	ND	132
trans-1,3-Dichloropropene	ND	132
1,1,2-Trichloroethane	ND	132
Tetrachloroethene	ND	132
Dibromochloromethane	ND	132
Chlorobenzene	ND	132
Bromoform	ND	132
1,1,2,2-Tetrachloroethane	ND	132
1,3-Dichlorobenzene	ND	132
1,4-Dichlorobenzene	ND	132
1,2-Dichlorobenzene	ND	132

304302

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/geld9523.d Page 1
Report Date 10/17/98 08:49



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/8021E.m
Sample Info : 88568;;50
Lab ID : 88568
Inj Date : 17-OCT-98 03:44:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Trichloroethene	17.639	17.592	0.047	256220217	34.637	4559.386
Bromochloromethane(sur)	13.780	13.730	0.050	157589496	38.678	5091.188

304303

Client ID: SSAW-6_2-2.5
Site: Klockner & Klockner

Lab Sample No: 88569
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9524.d

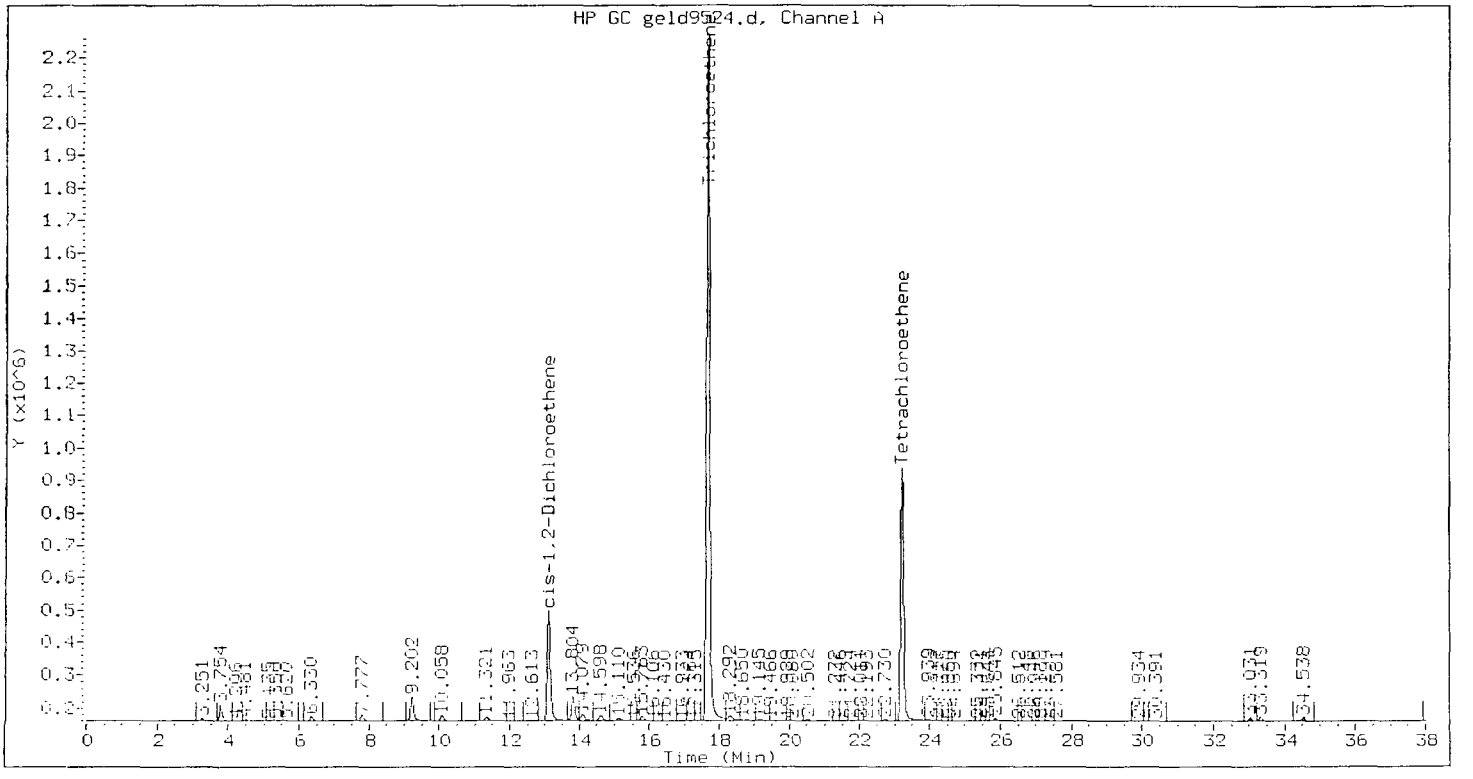
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 2500.0
% Moisture: 17.3

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	7340
Chloromethane	ND	7340
Vinyl Chloride	ND	7340
Bromomethane	ND	7340
Chloroethane	ND	7340
Trichlorofluoromethane	ND	7340
1,1-Dichloroethene	ND	7340
Methylene Chloride	ND	7340
trans-1,2-Dichloroethene	ND	7340
1,1-Dichloroethane	ND	7340
cis-1,2-Dichloroethene	16400	7340
Chloroform	ND	7340
1,1,1-Trichloroethane	ND	7340
Carbon Tetrachloride	ND	7340
1,2-Dichloroethane	ND	7340
Trichloroethene	65900	7340
1,2-Dichloropropane	ND	7340
Bromodichloromethane	ND	7340
2-Chloroethyl Vinyl Ether	ND	7340
cis-1,3-Dichloropropene	ND	7340
trans-1,3-Dichloropropene	ND	7340
1,1,2-Trichloroethane	ND	7340
Tetrachloroethene	23700	7340
Dibromochloromethane	ND	7340
Chlorobenzene	ND	7340
Bromoform	ND	7340
1,1,2,2-Tetrachloroethane	ND	7340
1,3-Dichlorobenzene	ND	7340
1,4-Dichlorobenzene	ND	7340
1,2-Dichlorobenzene	ND	7340

304304

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/geld9524.d Page 1
Report Date 10/17/98 08:49



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/8021E.m
Sample Info : 88569;;2500
Lab ID : 88569
Inj Date : 17-OCT-98 04:28:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 2500
Sample Matrix : SOIL
Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
cis-1,2-Dichloroethene	13.095	13.022	0.073	1117[illegible]	[illegible]	16181.653
Trichloroethene	17.654	17.592	0.062	66445263	8.982	65907.393
Tetrachloroethene	23.195	23.139	0.056	23880056	3.228	23687.448

304305

Client ID: **SSAW-6_9-9.5**
Site: Klockner & Klockner

Lab Sample No: 88570
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9561.d

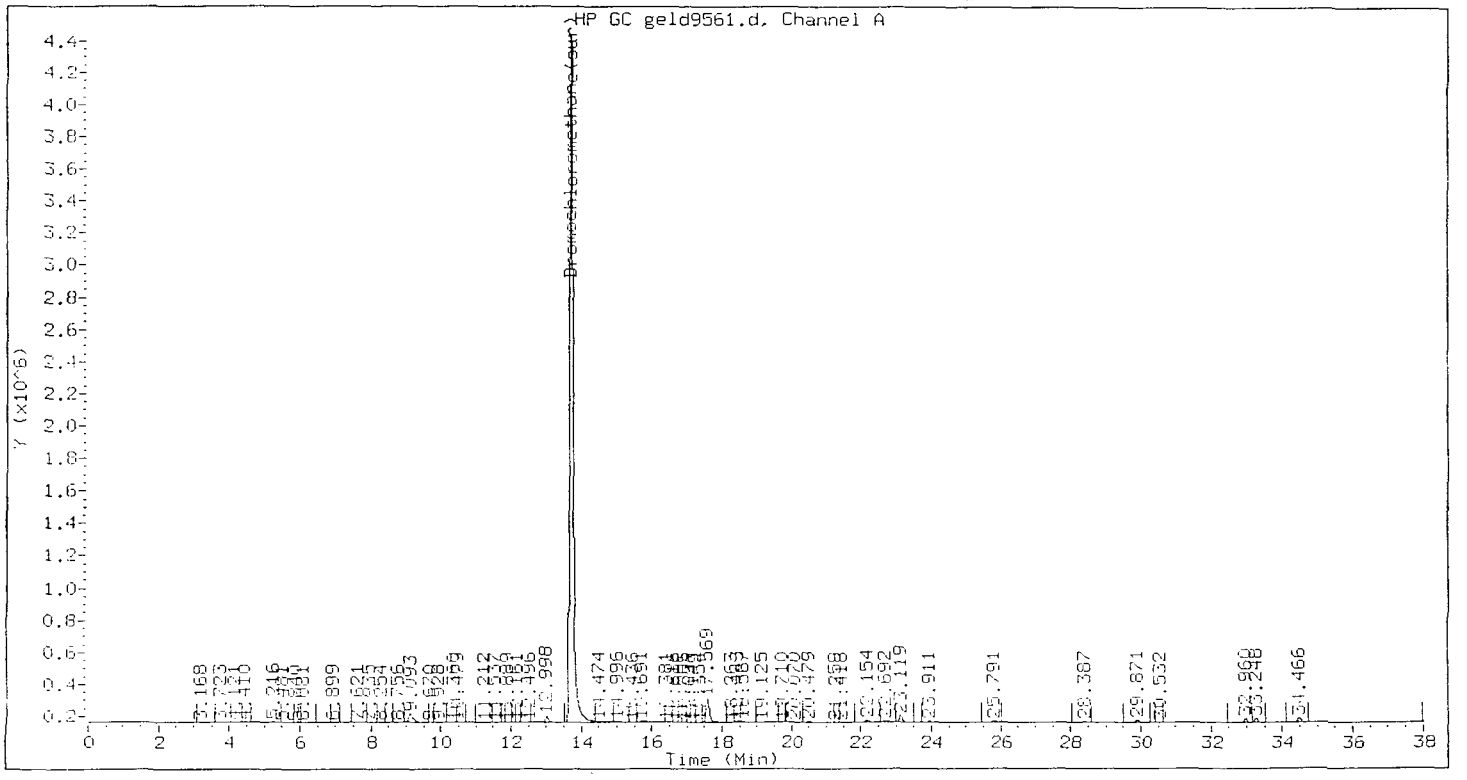
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 17.4

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	147
Chloromethane	ND	147
Vinyl Chloride	ND	147
Bromomethane	ND	147
Chloroethane	ND	147
Trichlorofluoromethane	ND	147
1,1-Dichloroethene	ND	147
Methylene Chloride	ND	147
trans-1,2-Dichloroethene	ND	147
1,1-Dichloroethane	ND	147
cis-1,2-Dichloroethene	ND	147
Chloroform	ND	147
1,1,1-Trichloroethane	ND	147
Carbon Tetrachloride	ND	147
1,2-Dichloroethane	ND	147
Trichloroethene	ND	147
1,2-Dichloropropane	ND	147
Bromodichloromethane	ND	147
2-Chloroethyl Vinyl Ether	ND	147
cis-1,3-Dichloropropene	ND	147
trans-1,3-Dichloropropene	ND	147
1,1,2-Trichloroethane	ND	147
Tetrachloroethene	ND	147
Dibromochloromethane	ND	147
Chlorobenzene	ND	147
Bromoform	ND	147
1,1,2,2-Tetrachloroethane	ND	147
1,3-Dichlorobenzene	ND	147
1,4-Dichlorobenzene	ND	147
1,2-Dichlorobenzene	ND	147

304306

Data File: /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/geld9561.d Page 1
Report Date 10/20/98 15:53



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/8021E.m
Sample Info : 88570;;50
Lab ID : 88570 Inst ID : VOAGC1.i
Inj Date : 19-OCT-98 15:32:00 Dil Factor : 50
Operator : KB Sample Matrix : SOIL
Cpnd Sublist: 601 Sample Type: SAMPLE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	13.697	13.735	0.038	143540658	30.883	4537.472

304307

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

GG289A

Date Analyzed: 10/16/98

Instrument ID: VOAGC1

Time Analyzed: 2022

Lab File ID: GELD9513

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-8_5.5-6	88551	GELD9515	2150
02	SSAW-3_1-1.5	88552	GELD9516	2235
03	SSAW-3_11.5-	88553	GELD9517	2319
04	SSWT-1_7-7.5	88554	GELD9518	0004
05	SSAW-1_2.5-3	88555	GELD9519	0048
06	SSAW-1_13-13	88556	GELD9520	0132
07	SSAN-8_11-11	88558	GELD9521	0216
08	SSWT-2_7-7.5	88561	GELD9522	0300
09	SSDSA-1_1.5-	88568	GELD9523	0344
10	SSAW-6_2-2.5	88569	GELD9524	0428
11				
12				
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COMMENTS:

Client ID: **GG289A**
Site:

Lab Sample No: **GG289A**
Lab Job No: H941

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9513.d

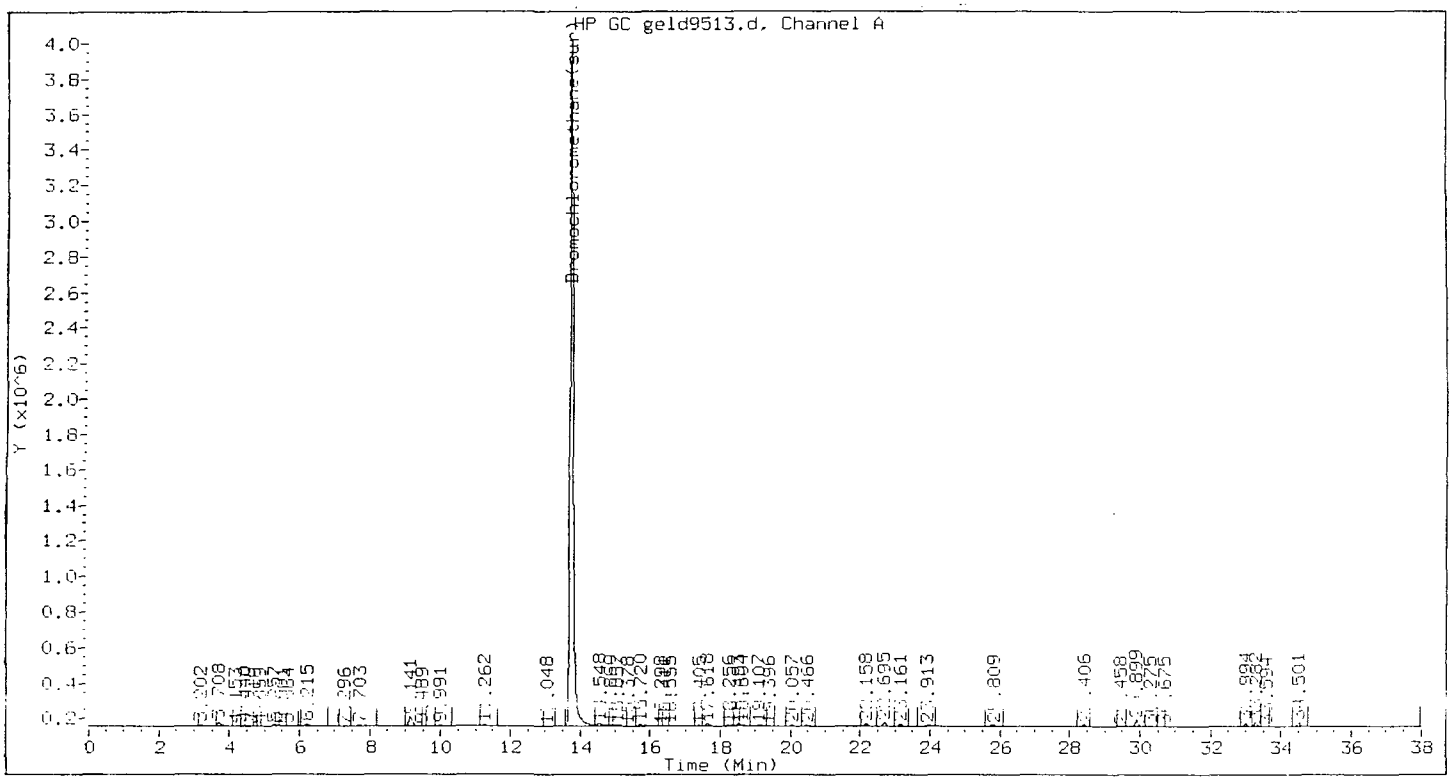
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	125
Chloromethane	ND	125
Vinyl Chloride	ND	125
Bromomethane	ND	125
Chloroethane	ND	125
Trichlorofluoromethane	ND	125
1,1-Dichloroethene	ND	125
Methylene Chloride	ND	125
trans-1,2-Dichloroethene	ND	125
1,1-Dichloroethane	ND	125
cis-1,2-Dichloroethene	ND	125
Chloroform	ND	125
1,1,1-Trichloroethane	ND	125
Carbon Tetrachloride	ND	125
1,2-Dichloroethane	ND	125
Trichloroethene	ND	125
1,2-Dichloropropane	ND	125
Bromodichloromethane	ND	125
2-Chloroethyl Vinyl Ether	ND	125
cis-1,3-Dichloropropene	ND	125
trans-1,3-Dichloropropene	ND	125
1,1,2-Trichloroethane	ND	125
Tetrachloroethene	ND	125
Dibromochloromethane	ND	125
Chlorobenzene	ND	125
Bromoform	ND	125
1,1,2,2-Tetrachloroethane	ND	125
1,3-Dichlorobenzene	ND	125
1,4-Dichlorobenzene	ND	125
1,2-Dichlorobenzene	ND	125

304309

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/geld9513.d Page 1
Report Date 10/17/98 08:44



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/8021E.m
Sample Info : GG289A
Lab ID : GG289A
Inj Date : 16-OCT-98 20:22:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	13.743	13.720	0.013	12432499	30.194	3786.790

304310

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

GG292

Date Analyzed: 10/19/98

Instrument ID: VOAGC1

Time Analyzed: 1437

Lab File ID: GELD9560

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSAW-6_9-9.5	88570	GELD9561	1532
02	SSWT-1_7-7.5	88554MS	GELD9562	1618
03				
04				
05				
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COMMENTS:

304311

Client ID: GG292
Site:

Lab Sample No: GG292
Lab Job No: H941

Date Sampled: _____
Date Received: _____
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9560.d

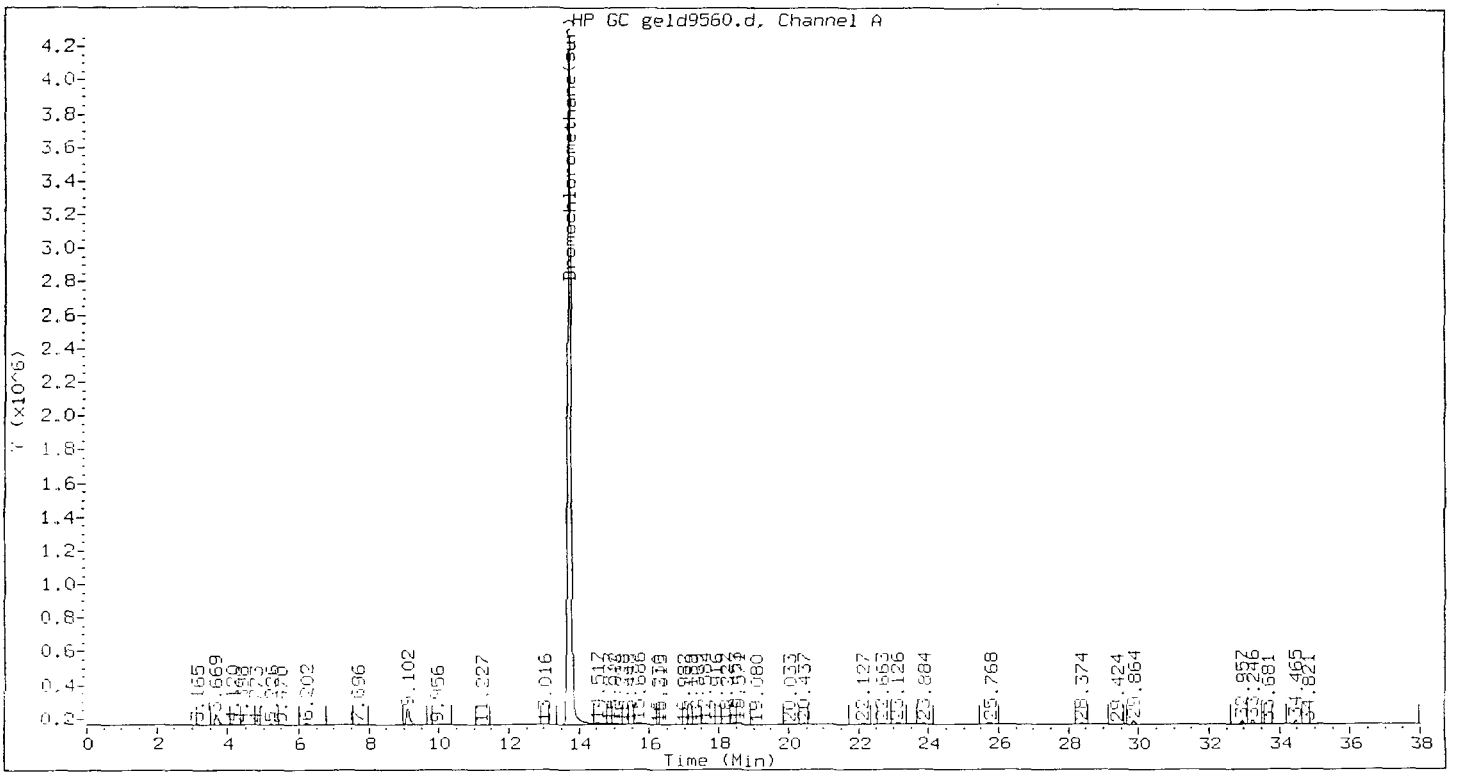
Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	125
Chloromethane	ND	125
Vinyl Chloride	ND	125
Bromomethane	ND	125
Chloroethane	ND	125
Trichlorofluoromethane	ND	125
1,1-Dichloroethene	ND	125
Methylene Chloride	ND	125
trans-1,2-Dichloroethene	ND	125
1,1-Dichloroethane	ND	125
cis-1,2-Dichloroethene	ND	125
Chloroform	ND	125
1,1,1-Trichloroethane	ND	125
Carbon Tetrachloride	ND	125
1,2-Dichloroethane	ND	125
Trichloroethene	ND	125
1,2-Dichloropropane	ND	125
Bromodichloromethane	ND	125
2-Chloroethyl Vinyl Ether	ND	125
cis-1,3-Dichloropropene	ND	125
trans-1,3-Dichloropropene	ND	125
1,1,2-Trichloroethane	ND	125
Tetrachloroethene	ND	125
Dibromochloromethane	ND	125
Chlorobenzene	ND	125
Bromoform	ND	125
1,1,2,2-Tetrachloroethane	ND	125
1,3-Dichlorobenzene	ND	125
1,4-Dichlorobenzene	ND	125
1,2-Dichlorobenzene	ND	125

304312

Data File: /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/geld9560.d Page 1
Report Date 10/20/98 09:39



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/8021E.m
Sample Info : gg292
Lab ID : gg292
Inj Date : 19-OCT-98 14:37:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	13.703	13.735	0.032	130202206	28.013	3501.665

304313

LAB SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

GG293

Date Analyzed: 10/20/98

Instrument ID: VOAGC1

Time Analyzed: 0958

Lab File ID: GELD9578

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	SSWT-1_7-7.5	88554MSD	GELD9580	1141
02				
03				
04				
05				
06				
07				
08				
09				
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30				

COMMENTS:

Client ID: GG293
Site:

Lab Sample No: GG293
Lab Job No: H941

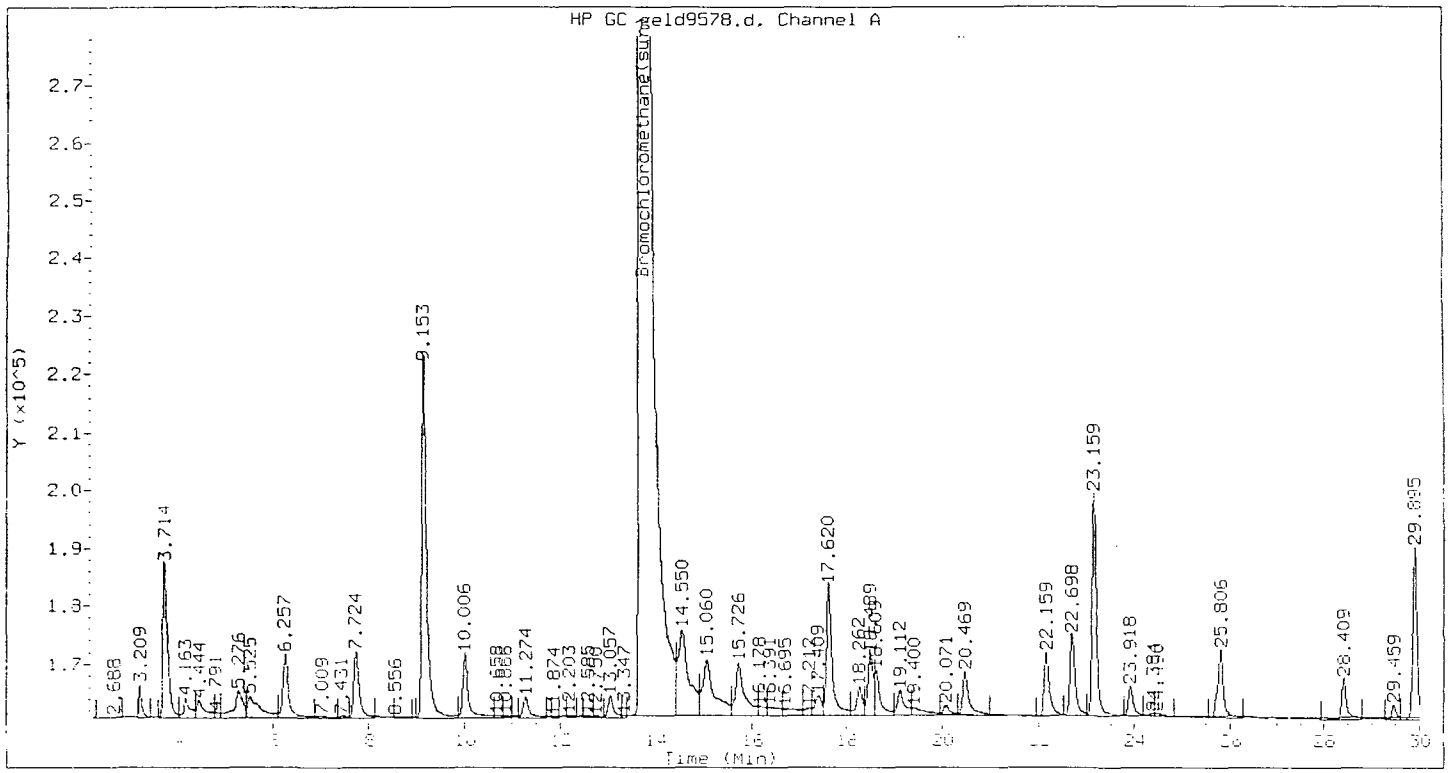
Date Sampled: _____
Date Received: _____
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9578.d

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/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	125
Chloromethane	ND	125
Vinyl Chloride	ND	125
Bromomethane	ND	125
Chloroethane	ND	125
Trichlorofluoromethane	ND	125
1,1-Dichloroethene	ND	125
Methylene Chloride	ND	125
trans-1,2-Dichloroethene	ND	125
1,1-Dichloroethane	ND	125
cis-1,2-Dichloroethene	ND	125
Chloroform	ND	125
1,1,1-Trichloroethane	ND	125
Carbon Tetrachloride	ND	125
1,2-Dichloroethane	ND	125
Trichloroethene	ND	125
1,2-Dichloropropane	ND	125
Bromodichloromethane	ND	125
2-Chloroethyl Vinyl Ether	ND	125
cis-1,3-Dichloropropene	ND	125
trans-1,3-Dichloropropene	ND	125
1,1,2-Trichloroethane	ND	125
Tetrachloroethene	ND	125
Dibromochloromethane	ND	125
Chlorobenzene	ND	125
Bromoform	ND	125
1,1,2,2-Tetrachloroethane	ND	125
1,3-Dichlorobenzene	ND	125
1,4-Dichlorobenzene	ND	125
1,2-Dichlorobenzene	ND	125

304315



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/20oct98.b/8021E.m
Sample Info : gg293
Lab ID : GG293
Inj Date : 20-OCT-1998 09:58
Operator : KB
Cpnd Sublist: 601
Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: BLANK

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Bromochloromethane(sur)	13.749	13.735	0.013	133281755	28.676	3584.487

304316

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC1

Calibration Date(s): 10/16/98 10/16/98

Calibration Time(s): 0824 1336

LAB FILE ID: RRF1: GELD9504 RRF5: GELD9503 RRF10: GELD9506
RRF20: GELD9500 RRF40: GELD9505

COMPOUND	RRF1	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	2058610	2254253	2045925	1842446	1596711
Chloromethane	636320	737470	726239	781645	678076
Vinyl Chloride	1971681	1838601	2290820	2316070	2289969
Bromomethane	588123	480984	717186	823386	628766
Chloroethane	1287549	961165	2097812	1474834	1617534
Trichlorofluoromethane	5576219	4950282	6064911	5514218	4900772
1,1-Dichloroethene	6221697	5649825	6243596	5907064	5101788
Methylene Chloride	10887490	7972341	7928055	7411136	6565985
trans-1,2-Dichloroethene	6706692	5844679	6649954	6320582	5408280
1,1-Dichloroethane	6750334	6114151	6752584	6359271	5517354
cis-1,2-Dichloroethene	4381414	4793863	5889912	5314233	4648755
Chloroform	9055079	7862049	8401090	8046696	6642699
1,1,1-Trichloroethane	7959067	7380012	7421948	7154100	5949500
Carbon Tetrachloride	8755519	8342923	8663696	8082346	6693481
1,2-Dichloroethane	6471622	5803342	6399306	6009578	5351596
Trichloroethene	7831512	7566184	7832732	7205958	6549598
1,2-Dichloropropane	6061151	5646735	6045766	5654029	5000279
Bromodichloromethane	5985025	5881419	6033880	5769085	4993128
2-Chloroethyl Vinyl Ether	1754073	1534312	1915356	1381456	1808922
cis-1,3-Dichloropropene	6131085	5371062	5779664	5441528	4681420
trans-1,3-Dichloropropene	5425692	5003137	5403255	5083067	4436175
1,1,2-Trichloroethane	6869242	6283592	6756327	6299075	5597952
Tetrachloroethene	8082300	7519364	7845978	7305232	6232018
Dibromochloromethane	4379253	4159169	4478119	4387774	3969768
Chlorobenzene	3047210	2880349	3071938	2935858	2656918
Bromoform	2702299	2691310	2977105	2928975	2780837
1,1,2,2-Tetrachloroethane	4652162	4488062	4709537	4474704	3833522
1,3-Dichlorobenzene	4282947	4028128	4215962	4116702	3607379
1,4-Dichlorobenzene	4461256	4263653	4438300	4256539	3771680
1,2-Dichlorobenzene	4149457	4121859	4226886	4099053	3664022
Bromochloromethane(sur)	4320578	3792802	4223823	4186005	3849010

304317

VOLATILE ORGANICS INITIAL CALIBRATION DATA

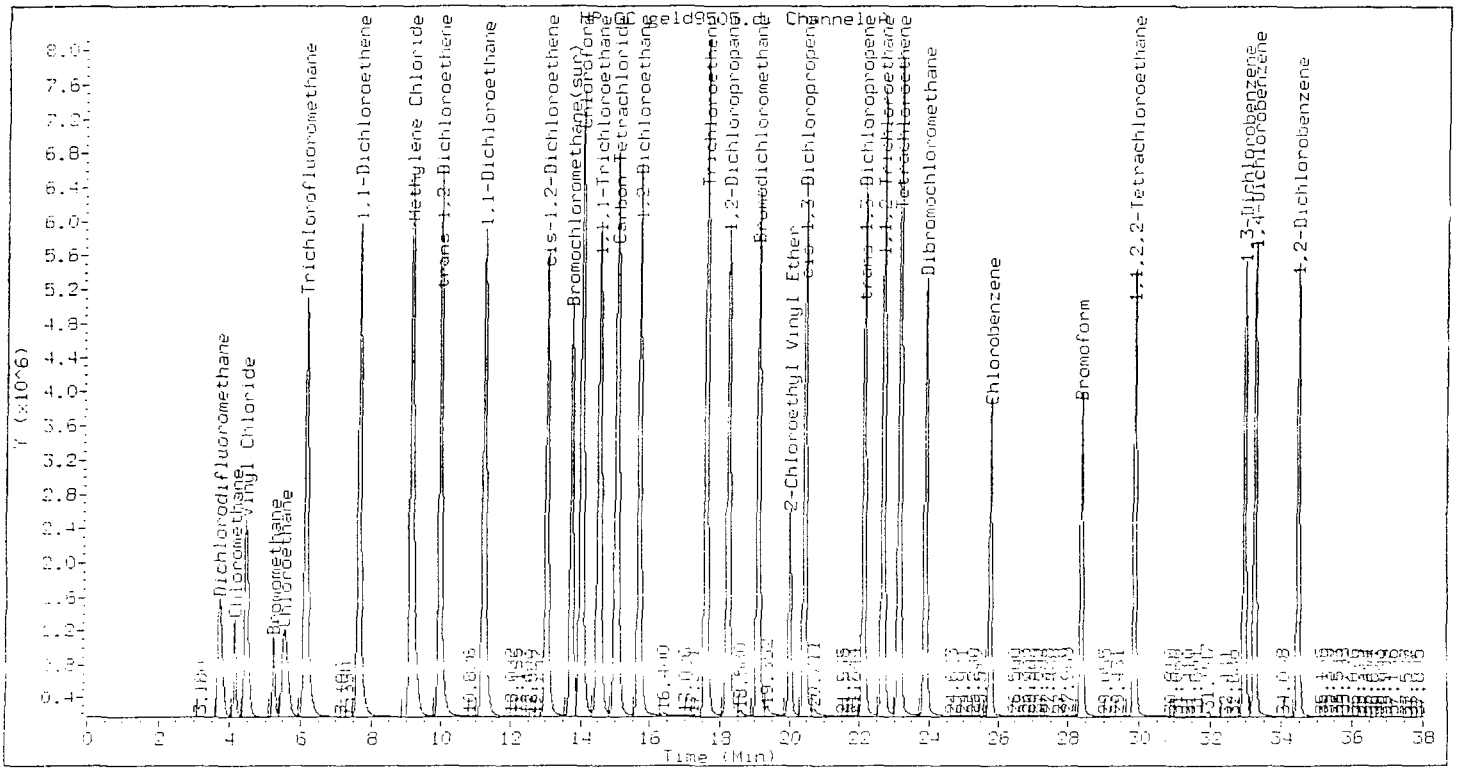
Instrument ID: VOAGC1 Calibration Date(s): 10/16/98 10/16/98

Calibration Time(s): 0824 1336

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dichlorodifluoromethane	AVRG	1959589	13*
Chloromethane	AVRG	711950	7.9*
Vinyl Chloride	AVRG	2141428	10*
Bromomethane	AVRG	647689	20*
Chloroethane	AVRG	1487779	28*
Trichlorofluoromethane	AVRG	5401280	9.0*
1,1-Dichloroethene	AVRG	5824794	8.1*
Methylene Chloride	AVRG	8153001	20*
trans-1,2-Dichloroethene	AVRG	6186037	8.9*
1,1-Dichloroethane	AVRG	6298739	8.2*
cis-1,2-Dichloroethene	AVRG	5005636	12*
Chloroform	AVRG	8001703	11*
1,1,1-Trichloroethane	AVRG	7172925	10*
Carbon Tetrachloride	AVRG	8107593	10*
1,2-Dichloroethane	AVRG	6007089	7.6*
Trichloroethene	AVRG	7397197	7.3*
1,2-Dichloropropane	AVRG	5681592	7.6*
Bromodichloromethane	AVRG	5732507	7.4*
2-Chloroethyl Vinyl Ether	AVRG	1678824	13*
cis-1,3-Dichloropropene	AVRG	5480952	9.8*
trans-1,3-Dichloropropene	AVRG	5070265	7.9*
1,1,2-Trichloroethane	AVRG	6361238	7.9*
Tetrachloroethene	AVRG	7396978	9.7*
Dibromochloromethane	AVRG	4274817	4.8*
Chlorobenzene	AVRG	2918454	5.7*
Bromoform	AVRG	2816105	4.6*
1,1,2,2-Tetrachloroethane	AVRG	4431597	7.9*
1,3-Dichlorobenzene	AVRG	4050224	6.6*
1,4-Dichlorobenzene	AVRG	4238286	6.6*
1,2-Dichlorobenzene	AVRG	4052255	5.5*
Bromochloromethane(sur)	AVRG	4074444	5.8*

* Compounds with required maximum %RSD values.

304318



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98.b/8021E.m
Sample Info : GSTD040
Lab ID : GSTD040
Inj Date : 16-OCT-98 12:51:00
Operator : KB
Cmd Sublist: 601

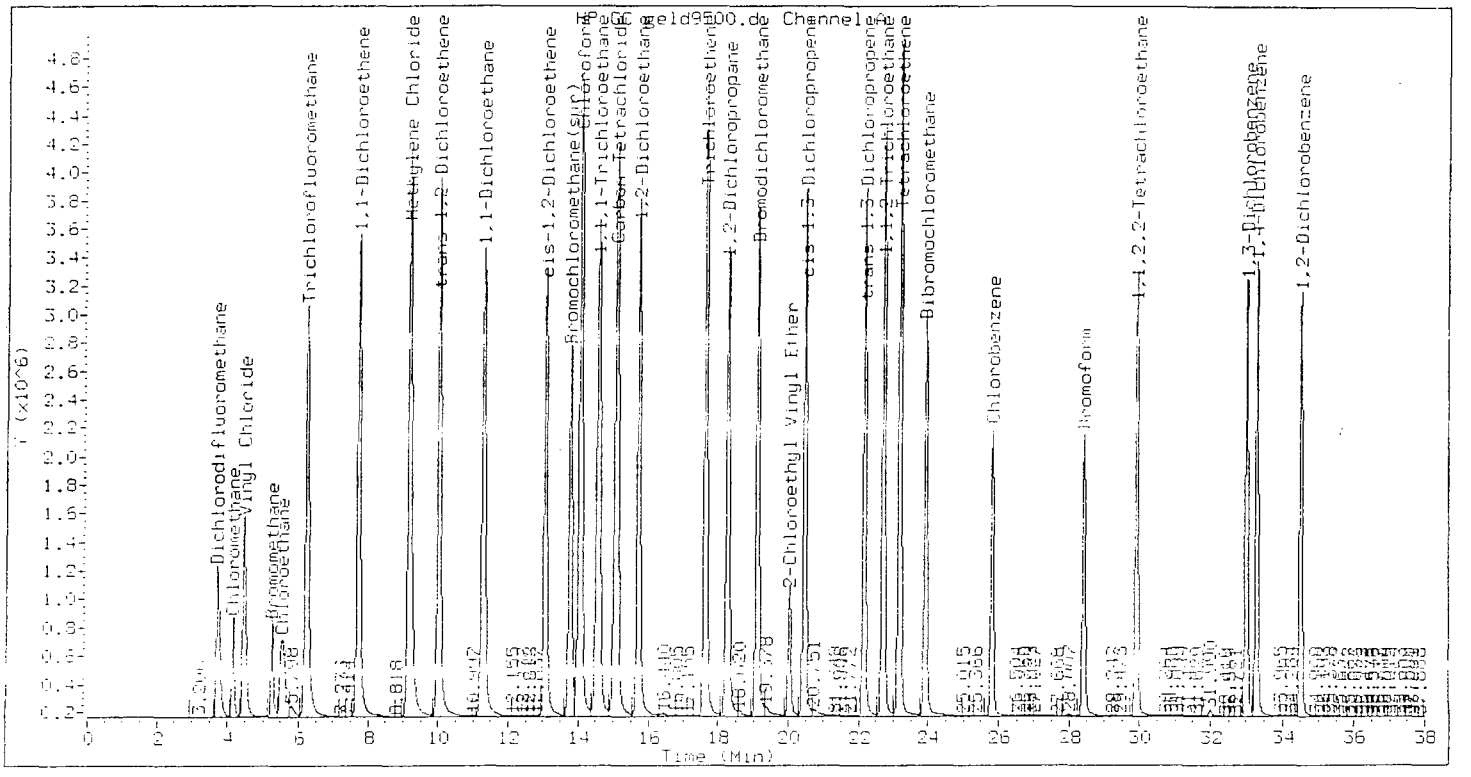
Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_5

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.685	3.691	0.006	63868434	32.956	32.956
Chloromethane	4.124	4.131	0.007	27133055	38.289	38.289
Vinyl Chloride	4.428	4.421	0.007	91598750	43.534	43.534
Bromomethane	5.215	5.231	0.016	25150637	39.902	39.902
Chloroethane	5.535	5.521	0.014	64701350	48.456	48.456
Trichlorofluoromethane	6.119	6.207	0.088	196030900	37.444	37.444
1,1-Dichloroethene	7.634	7.679	0.045	204071507	35.676	35.676
Methylene Chloride	9.110	9.121	0.011	262639418	31.993	31.993
trans-1,2-Dichloroethene	9.947	9.968	0.021	216331199	35.639	35.639

304319

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
1,1-Dichloroethane	11.227	11.240	0.013	220694154	35.681	35.681
cis-1,2-Dichloroethene	13.010	13.022	0.012	185950214	38.865	38.865
Chloroform	14.002	14.009	0.007	265707970	33.626	33.626
1,1,1-Trichloroethane	14.514	14.526	0.012	237980005	33.468	33.468
Carbon Tetrachloride	15.023	15.037	0.014	267739225	33.599	33.599
1,2-Dichloroethane	15.675	15.685	0.010	214063821	36.227	36.227
Trichloroethene	17.581	17.592	0.011	261983922	35.946	35.946
1,2-Dichloropropane	18.221	18.230	0.009	200011148	35.777	35.777
Bromodichloromethane	19.076	19.082	0.006	199725103	35.305	35.305
2-Chloroethyl Vinyl Ether	19.997	20.008	0.011	72356896	44.673	44.673
cis-1,3-Dichloropropene	20.422	20.431	0.009	187256782	34.637	34.637
trans-1,3-Dichloropropene	22.107	22.116	0.009	177447004	35.582	35.582
1,1,2-Trichloroethane	22.661	22.668	0.007	223918088	35.756	35.756
Tetrachloroethene	23.130	23.139	0.009	249280738	34.220	34.220
Dibromochloromethane	23.880	23.887	0.007	158790705	37.593	37.593
Chlorobenzene	25.772	25.782	0.010	106276735	36.901	36.901
Bromoform	28.271	28.279	0.008	111233484	40.372	40.372
1,1,2,2-Tetrachloroethane	29.870	29.878	0.008	152340860	35.153	35.153
1,3-Dichlorobenzene	32.961	32.970	0.009	144295179	35.995	35.995
1,4-Dichlorobenzene	33.249	33.258	0.009	150367185	36.021	36.021
1,2-Dichlorobenzene	34.468	34.478	0.010	146560891	36.562	36.562
Bromochloromethane(sur)	13.720	13.730	0.010	153960396	38.136	38.136

304320



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98.b/8021B.m
Sample Info : GSTD020
Lab ID : GSTD020
Inj Date : 16-OCT-98 08:24:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_4

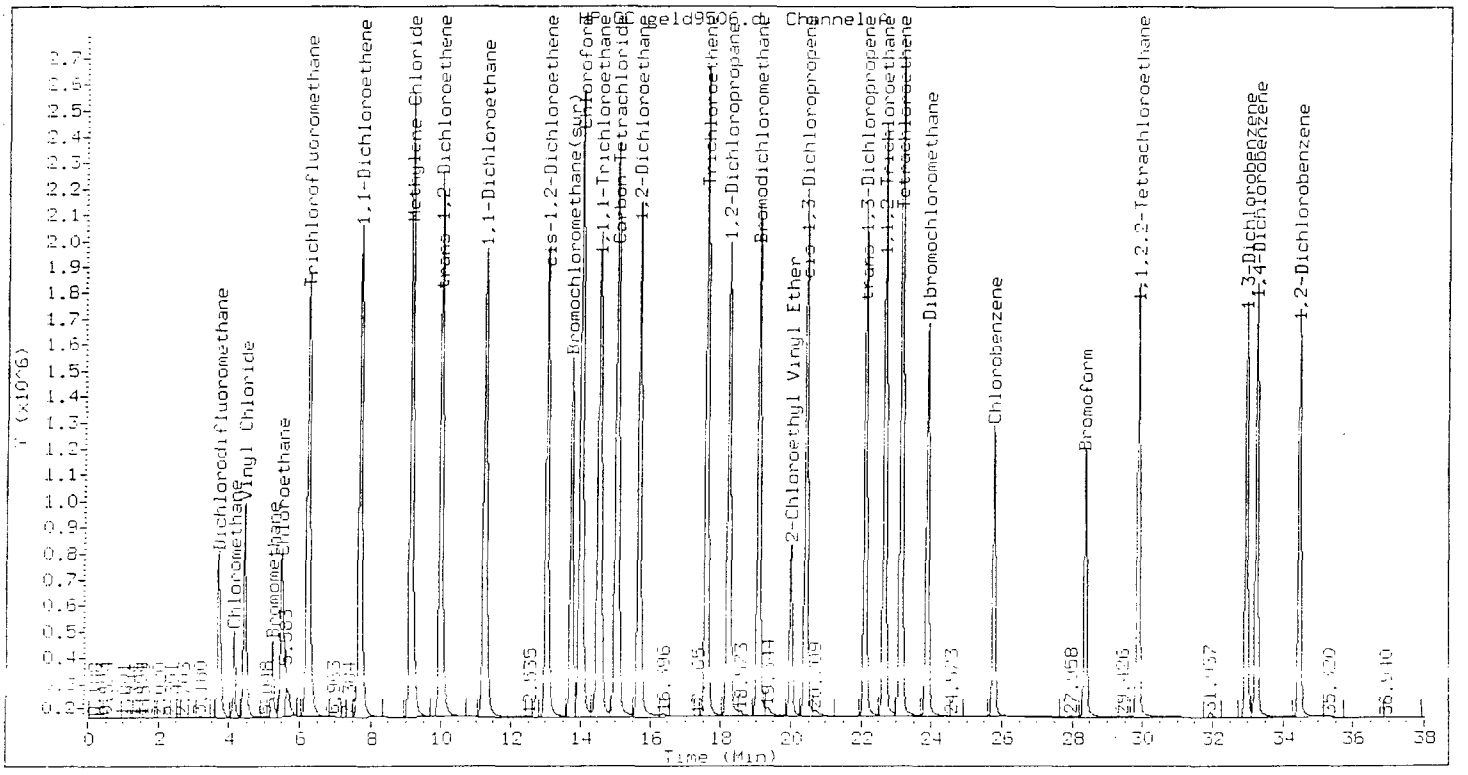
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.708	3.691	0.017	36848916	20.000	20.000
Chloromethane	4.150	4.131	0.019	15632906	20.000	20.000
Vinyl Chloride	4.447	4.421	0.026	46321400	20.000	20.000
Bromomethane	5.243	5.231	0.012	16467723	20.000	20.000
Chloroethane	5.523	5.521	0.002	29496688	20.000	20.000
Trichlorofluoromethane	6.218	6.207	0.011	110284355	20.000	20.000
1,1-Dichloroethene	7.704	7.679	0.025	118141272	20.000	20.000
Methylene Chloride	9.151	9.121	0.030	148222714	20.000	20.000
trans-1,2-Dichloroethene	9.997	9.968	0.029	126411633	20.000	20.000

304321

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1,1-Dichloroethane	11.269	11.240	0.029	127185422	20.000	20.000
cis-1,2-Dichloroethene	13.052	13.022	0.030	106284658	20.000	20.000
Chloroform	14.040	14.009	0.031	160933931	20.000	20.000
1,1,1-Trichloroethane	14.558	14.526	0.032	143082000	20.000	20.000
Carbon Tetrachloride	15.069	15.037	0.032	161646931	20.000	20.000
1,2-Dichloroethane	15.717	15.685	0.032	120191560	20.000	20.000
Trichloroethene	17.624	17.592	0.032	144119166	20.000	20.000
1,2-Dichloropropane	18.262	18.230	0.032	113080585	20.000	20.000
Bromodichloromethane	19.114	19.082	0.032	115381697	20.000	20.000
2-Chloroethyl Vinyl Ether	20.036	20.008	0.028	27629126	20.000	20.000
cis-1,3-Dichloropropene	20.462	20.431	0.031	108830557	20.000	20.000
trans-1,3-Dichloropropene	22.148	22.116	0.032	101661342	20.000	20.000
1,1,2-Trichloroethane	22.702	22.668	0.034	125981498	20.000	20.000
Tetrachloroethene	23.174	23.139	0.035	146104631	20.000	20.000
Dibromochloromethane	23.921	23.887	0.034	87755477	20.000	20.000
Chlorobenzene	25.816	25.782	0.034	58717151	20.000	20.000
Bromoform	28.414	28.379	0.035	58579495	20.000	20.000
1,1,2,2-Tetrachloroethane	29.912	29.878	0.034	89494085	20.000	20.000
1,3-Dichlorobenzene	33.006	32.970	0.036	82334034	20.000	20.000
1,4-Dichlorobenzene	33.294	33.258	0.036	85130776	20.000	20.000
1,2-Dichlorobenzene	34.513	34.478	0.035	81981058	20.000	20.000
Bromochloromethane(sur)	13.761	13.730	0.030	83720107	20.000	20.000

304322

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98.b/geld9506.d Page 1
Report Date 10/17/98 08:39



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98.b/8021E.m
Sample Info : GSTD010
Lab ID : GSTD010
Inj Date : 16-OCT-98 13:36:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_3

Compounds		RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane		3.683	3.691	0.008	20459254	10.441	10.441
Chloromethane		4.125	4.131	0.006	7262387	10.201	10.201
Vinyl Chloride		4.410	4.421	0.011	22908204	10.698	10.698
Bromomethane		5.214	5.231	0.017	7171859	11.073	11.073
Chloroethane	(M)	5.473	5.521	0.048	20978119	14.100	14.100
Trichlorofluoromethane		6.211	6.207	0.004	60649107	11.229	11.229
1,1-Dichloroethene		7.675	7.679	0.004	62435961	10.719	10.719
Methylene Chloride		9.111	9.121	0.010	79280548	9.724	9.724
trans-1,2-Dichloroethene		9.957	9.968	0.011	66499539	10.750	10.750

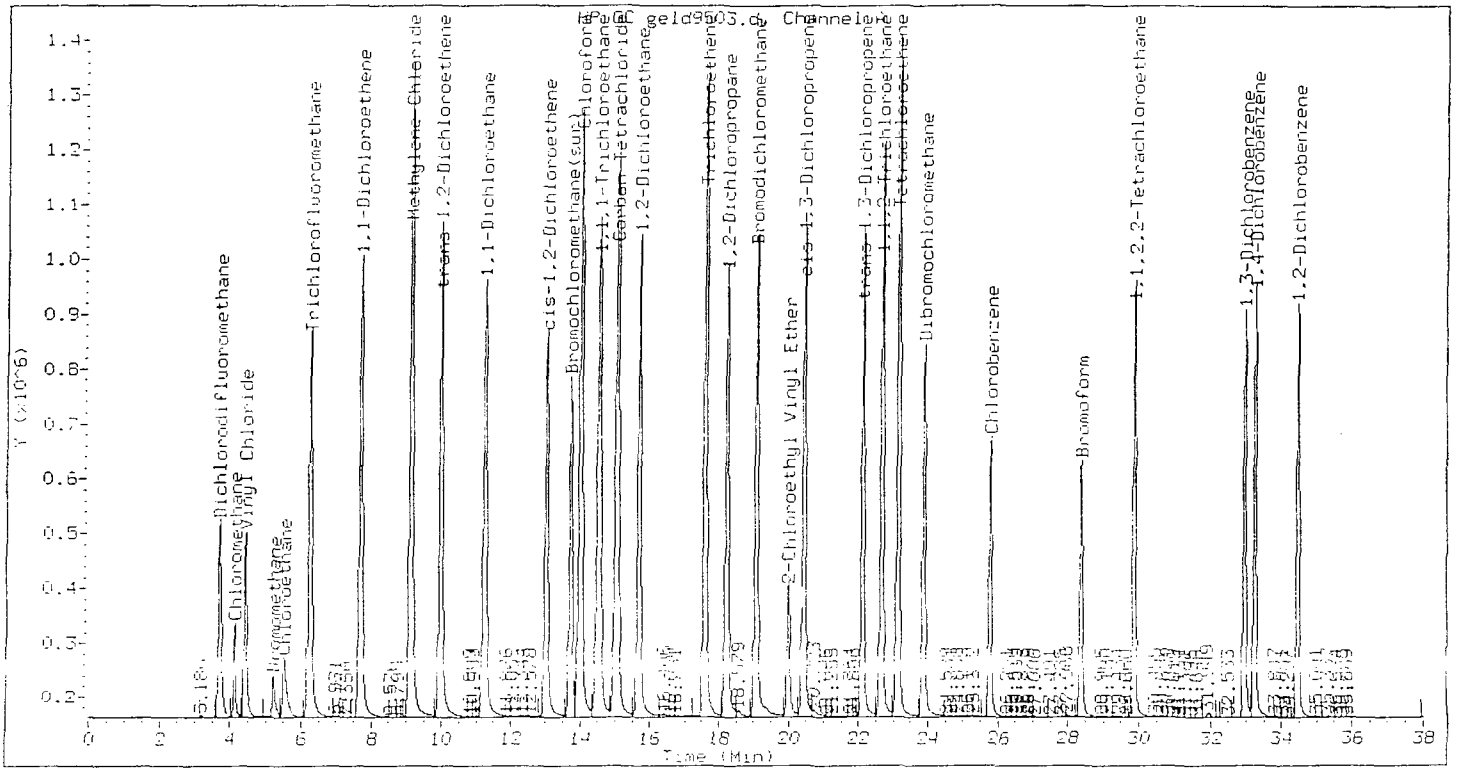
304323

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1,1-Dichloroethane	11.228	11.240	0.012	67525841	10.721	10.721
cis-1,2-Dichloroethene	13.008	13.022	0.014	58899125	11.767	11.767
Chloroform	13.994	14.009	0.015	84010900	10.499	10.499
1,1,1-Trichloroethane	14.512	14.526	0.014	74219475	10.347	10.347
Carbon Tetrachloride	15.023	15.037	0.014	86636965	10.686	10.686
1,2-Dichloroethane	15.670	15.685	0.015	63993058	10.653	10.653
Trichloroethene	17.577	17.592	0.015	78327321	10.589	10.589
1,2-Dichloropropane	18.214	18.230	0.016	60457660	10.641	10.641
Bromodichloromethane	19.067	19.082	0.015	60338804	10.526	10.526
2-Chloroethyl Vinyl Ether	19.989	20.008	0.019	19153557	11.409	11.409
cis-1,3-Dichloropropene	20.413	20.431	0.018	57796635	10.545	10.545
trans-1,3-Dichloropropene	22.098	22.116	0.018	54022547	10.657	10.657
1,1,2-Trichloroethane	22.650	22.668	0.018	67563274	10.621	10.621
Tetrachloroethene	23.122	23.139	0.016	73459775	10.607	10.607
Dibromochloromethane	23.868	23.887	0.019	44781192	10.476	10.476
Chlorobenzene	25.764	25.782	0.018	30719384	10.526	10.526
Bromoform	28.361	28.379	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-Tetrachloroethane	29.860	29.878	0.018	47095369	10.627	10.627
1,3-Dichlorobenzene	32.951	32.970	0.019	42159625	10.409	10.409
1,4-Dichlorobenzene	33.239	33.258	0.019	44382005	10.472	10.472
1,2-Dichlorobenzene	34.458	34.478	0.020	42268859	10.421	10.421
Bromochloromethane(sur)	13.715	13.730	0.015	42238230	10.367	10.367

COMMENTS:

M - Compound response manually integrated.

304324



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98.b/8021E.m
Sample Info : GSTD005
Lab ID : GSTD005
Inj Date : 16-OCT-98 11:02:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_2

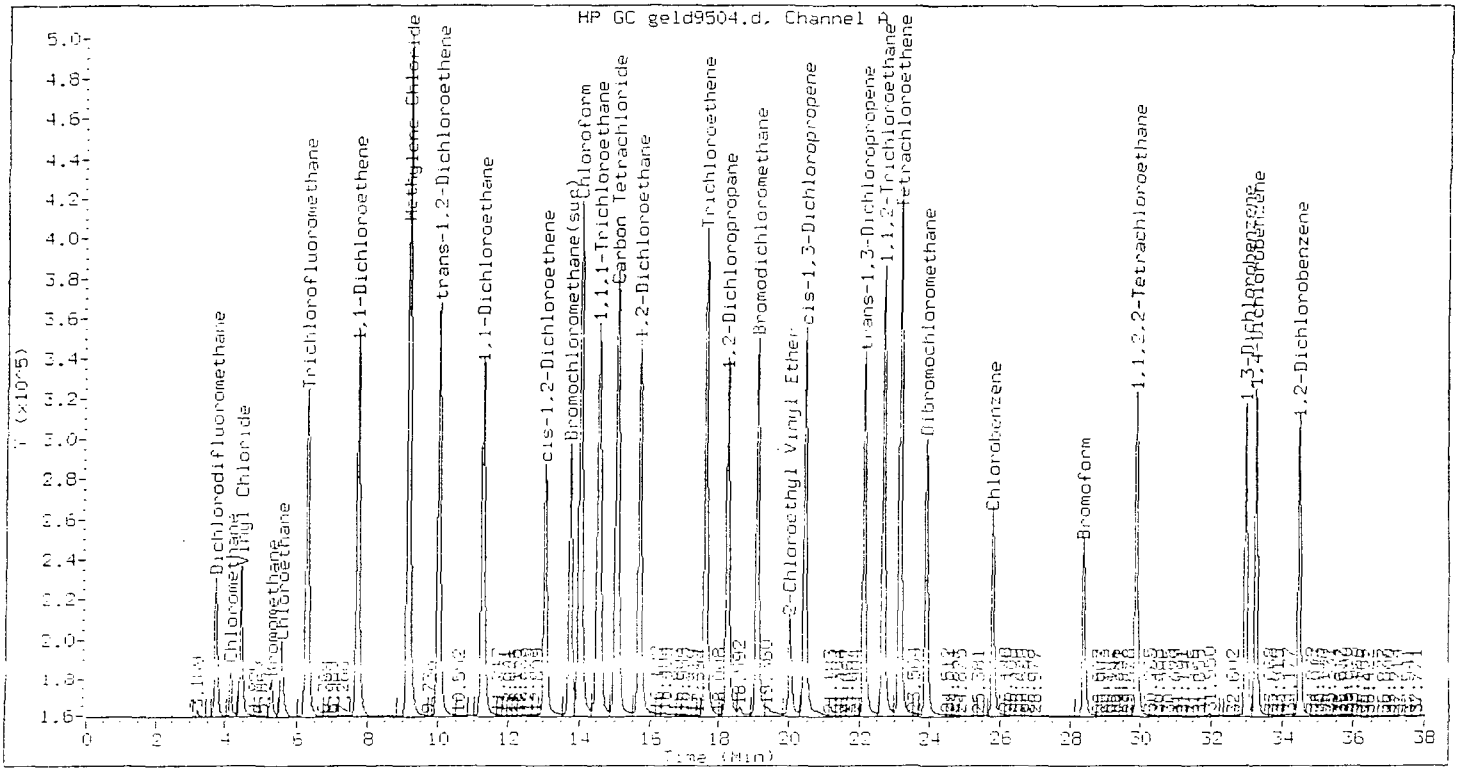
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.686	3.691	0.005	11271266	5.503	5.503
Chloromethane	4.122	4.131	0.009	3687352	4.855	4.855
Vinyl Chloride	4.411	4.421	0.010	9193005	4.425	4.425
Bromomethane	5.221	5.231	0.010	2404919	3.687	3.687
Chloroethane	5.531	5.521	0.010	4805824	3.946	3.946
Trichlorofluoromethane	6.239	6.207	0.032	24751408	4.731	4.731
1,1-Dichloroethene	7.686	7.679	0.007	28249125	4.889	4.889
Methylene Chloride	9.114	9.121	0.007	39861705	5.182	5.182
trans-1,2-Dichloroethene	9.964	9.968	0.004	29223397	4.804	4.804

304325

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1,1-Dichloroethane	11.234	11.240	0.006	30570753	4.902	4.902
cis-1,2-Dichloroethene	13.015	13.022	0.007	23969316	4.743	4.743
Chloroform	14.000	14.009	0.009	39310246	4.942	4.942
1,1,1-Trichloroethane	14.520	14.526	0.006	36900061	5.078	5.078
Carbon Tetrachloride	15.031	15.037	0.006	41714614	5.079	5.079
1,2-Dichloroethane	15.678	15.685	0.007	29016710	4.913	4.913
Trichloroethene	17.586	17.592	0.006	37830919	5.122	5.122
1,2-Dichloropropane	18.223	18.230	0.007	28233676	4.997	4.997
Bromodichloromethane	19.074	19.082	0.008	29407093	5.048	5.048
2-Chloroethyl Vinyl Ether	20.000	20.008	0.008	7671561	5.262	5.262
cis-1,3-Dichloropropene	20.423	20.431	0.008	26855310	4.967	4.967
trans-1,3-Dichloropropene	22.109	22.116	0.007	25015685	4.960	4.960
1,1,2-Trichloroethane	22.660	22.668	0.008	31417959	4.994	4.994
Tetrachloroethene	23.132	23.139	0.007	37596820	5.072	5.072
Dibromochloromethane	23.880	23.887	0.007	20795847	4.866	4.866
Chlorobenzene	25.776	25.782	0.006	14401743	4.952	4.952
Bromoform	28.373	28.379	0.006	12486550	4.789	4.789
1,1,2,2-Tetrachloroethane	29.871	29.878	0.007	22440309	5.007	5.007
1,3-Dichlorobenzene	32.965	32.970	0.005	20140638	4.946	4.946
1,4-Dichlorobenzene	33.253	33.258	0.005	21212266	5.004	5.004
1,2-Dichlorobenzene	34.473	34.478	0.005	20609295	5.014	5.014
Bromochloromethane(sur)	13.722	13.730	0.008	18964012	4.754	4.754

304326

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98.b/geld9504.d Page 1
Report Date 10/17/98 08:39



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98.b/8021E.m
Sample Info : GSTD001
Lab ID : GSTD001
Inj Date : 16-OCT-98 12:06:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : WATER
Sample Type: CALIB_1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
Dichlorodifluoromethane	3.691	3.691	0.000	2058610	1.003	1.003
Chloromethane	4.131	4.131	0.000	636320	0.886	0.886
Vinyl Chloride	4.411	4.421	0.010	1971681	0.966	0.966
Bromomethane	5.260	5.231	0.029	588123	0.932	0.932
Chloroethane	5.542	5.521	0.021	1287549	1.037	1.037
Trichlorofluoromethane	6.249	6.207	0.042	5576219	1.043	1.043
1,1-Dichloroethene	7.695	7.679	0.016	6221697	1.050	1.050
Methylene Chloride	9.120	9.121	0.001	10887490	1.243	1.243
trans-1,2-Dichloroethene	9.974	9.968	0.006	6706692	1.066	1.066

304327

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
1,1-Dichloroethane	11.241	11.240	0.001	6750334	1.053	1.053
cis-1,2-Dichloroethene	13.024	13.022	0.002	4381414	0.907	0.907
Chloroform	14.008	14.009	0.001	9055979	1.088	1.088
1,1,1-Trichloroethane	14.527	14.526	0.001	7959067	1.062	1.062
Carbon Tetrachloride	15.038	15.037	0.001	8755519	1.043	1.043
1,2-Dichloroethane	15.687	15.685	0.002	6471622	1.062	1.062
Trichloroethene	17.594	17.592	0.002	7831512	1.039	1.039
1,2-Dichloropropane	18.230	18.230	0.000	6061151	1.047	1.047
Bromodichloromethane	19.081	19.082	0.001	5985025	1.018	1.018
2-Chloroethyl Vinyl Ether	20.016	20.008	0.008	1754073	1.127	1.127
cis-1,3-Dichloropropene	20.433	20.431	0.002	6131085	1.086	1.086
trans-1,3-Dichloropropene	22.119	22.116	0.003	5425692	1.049	1.049
1,1,2-Trichloroethane	22.668	22.668	0.000	6869242	1.059	1.059
Tetrachloroethene	23.138	23.139	0.001	8082300	1.058	1.058
Dibromochloromethane	23.885	23.887	0.002	4379253	1.016	1.016
Chlorobenzene	25.783	25.782	0.001	8047210	1.031	1.031
Bromoform	28.377	28.37[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1,2,2-Tetrachloroethane	29.876	29.878	0.002	4652162	1.025	1.025
1,3-Dichlorobenzene	32.969	32.970	0.001	4282947	1.034	1.034
1,4-Dichlorobenzene	33.257	33.258	0.001	4461256	1.031	1.031
1,2-Dichlorobenzene	34.476	34.478	0.002	4149457	1.006	1.006
Bromochloromethane(sur)	13.731	13.730	0.001	4320578	1.054	1.054

304328

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Instrument ID: VOAGC1 Calibration Date: 10/16/98 Time: 1702

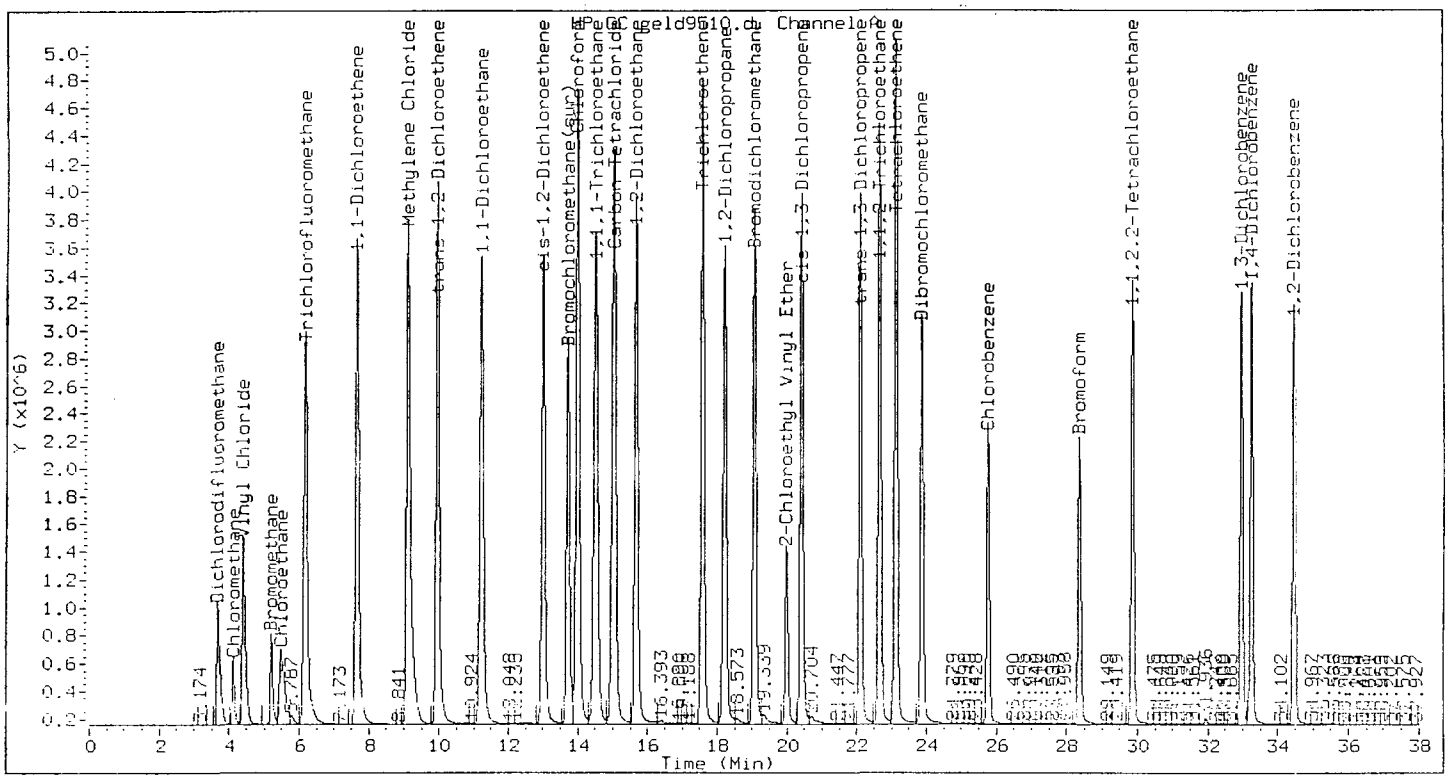
Lab File ID: GELD9510 Init. Calib. Date(s): 10/16/98 10/16/98

Heated Purge: (Y/N) N Init. Calib. Times: 0824 1336

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1959589.1	1449438.4		26.0	15.0
Chloromethane	711950.16	542677.73		23.8	15.0
Vinyl Chloride	2141428.2	2159900.9		0.1	15.0
Bromomethane	647688.95	779740.38		-20.2	15.0
Chloroethane	1487778.8	1394314.3		6.3	15.0
Trichlorofluoromethane	5401280.3	5429241.6		-0.0	15.0
1,1-Dichloroethene	5824793.9	5864212.1		0.1	15.0
Methylene Chloride	8153001.4	7378483.0		9.5	15.0
trans-1,2-Dichloroethene	6186037.4	6307648.4		-1.8	15.0
1,1-Dichloroethane	6298738.7	6368545.9		-1.1	15.0
cis-1,2-Dichloroethene	5005635.6	5636830.1		-12.6	15.0
Chloroform	8001702.8	8101955.4		-1.2	15.0
1,1,1-Trichloroethane	7172925.4	7205896.6		-0.0	15.0
Carbon Tetrachloride	8107593.1	8141330.5		-0.0	15.0
1,2-Dichloroethane	6007088.7	6125730.9		-1.8	15.0
Trichloroethene	7397196.9	7394765.8		0.0	15.0
1,2-Dichloropropane	5681592.0	5797123.2		-2.0	15.0
Bromodichloromethane	5732507.3	5770092.9		0.1	15.0
2-Chloroethyl Vinyl Ether	1678823.9	1888610.2		-12.3	15.0
cis-1,3-Dichloropropene	5480951.6	5546595.2		-1.0	15.0
trans-1,3-Dichloropropene	5070265.2	5110495.7		0.1	15.0
1,1,2-Trichloroethane	6361237.7	6382963.3		-0.0	15.0
Tetrachloroethene	7396978.3	7508371.8		-1.5	15.0
Dibromochloromethane	4274816.6	4498072.1		-5.2	15.0
Chlorobenzene	2918454.6	3062857.1		-4.9	15.0
Bromoform	2816105.2	3003494.8		-6.6	15.0
1,1,2,2-Tetrachloroethane	4431597.3	4555260.7		-2.6	15.0
1,3-Dichlorobenzene	4050223.7	4126447.8		-1.7	15.0
1,4-Dichlorobenzene	4238285.6	4309435.4		-1.5	15.0
1,2-Dichlorobenzene	4052255.4	4106288.5		-1.3	15.0
Bromochloromethane(sur)	4074443.7	4294272.2		-5.2	15.0

304329

Data File: /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/geld9510.d Page 1
Report Date 10/17/98 08:44



Method : /chem/VOAGC1.i/8021ELCD/10-16-98/16oct98a.b/8021E.m
Sample Info : GSTD020
Lab ID : GSTD020
Inj Date : 16-OCT-98 17:02:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CCALIB_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.673	3.691	0.018	[illegible]	14.793	14.793
Chloromethane	4.122	4.131	0.009	10853554	15.245	15.245
Vinyl Chloride	4.408	4.421	0.013	43198018	20.173	20.173
Bromomethane	5.206	5.231	0.025	15594807	24.078	24.078
Chloroethane	5.474	5.521	0.047	27886286	18.744	18.744
Trichlorofluoromethane	6.174	6.207	0.033	108584832	20.104	20.104
1,1-Dichloroethene	7.660	7.679	0.019	117284241	20.135	20.135
Methylene Chloride	9.106	9.121	0.015	147569660	18.100	18.100
trans-1,2-Dichloroethene	9.948	9.968	0.020	126152968	20.393	20.393

304330

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	11.221	11.240	0.019	127370918	20.222	20.222
cis-1,2-Dichloroethene	13.004	13.022	0.018	112736602	22.522	22.522
Chloroform	13.993	14.009	0.016	162039108	20.251	20.251
1,1,1-Trichloroethane	14.510	14.526	0.016	144117931	20.092	20.092
Carbon Tetrachloride	15.020	15.037	0.017	162826609	20.083	20.083
1,2-Dichloroethane	15.668	15.685	0.017	122514617	20.395	20.395
Trichloroethene	17.575	17.592	0.017	147895315	19.993	19.993
1,2-Dichloropropane	18.213	18.230	0.017	115942463	20.407	20.407
Bromodichloromethane	19.065	19.082	0.017	115401858	20.131	20.131
2-Chloroethyl Vinyl Ether	19.988	20.008	0.020	37772203	22.499	22.499
cis-1,3-Dichloropropene	20.413	20.431	0.018	110931903	20.240	20.240
trans-1,3-Dichloropropene	22.095	22.116	0.021	102209913	20.159	20.159
1,1,2-Trichloroethane	22.648	22.668	0.020	127659266	20.068	20.068
Tetrachloroethene	23.120	23.139	0.019	150167436	20.301	20.301
Dibromochloromethane	23.868	23.887	0.019	89961441	21.045	21.045
Chlorobenzene	25.763	25.782	0.019	61257142	20.990	20.990
Bromoform	28.360	28.379	0.019	60069895	21.331	21.331
1,1,2,2-Tetrachloroethane	29.857	29.878	0.021	91105214	20.558	20.558
1,3-Dichlorobenzene	32.953	32.970	0.017	82528955	20.376	20.376
1,4-Dichlorobenzene	33.241	33.258	0.017	86188708	20.336	20.336
1,2-Dichlorobenzene	34.459	34.478	0.019	82125769	20.267	20.267
Bromochloromethane(sur)	13.713	13.730	0.017	85885443	21.079	21.079

304331

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC1 Calibration Date(s): 10/17/98 10/18/98

Calibration Time(s): 1954 0322

LAB FILE ID: RRF1: GELD9543 RRF5: GELD9545 RRF10: GELD9549
RRF20: GELD9540 RRF40: GELD9548

COMPOUND	RRF1	RRF5	RRF10	RRF20	RRF40
Dichlorodifluoromethane	3785363	2326074	2215526	2419116	2005138
Chloromethane	529704	1121719	1083116	1126210	1306965
Vinyl Chloride	2179365	2702294	2602969	3065504	2852693
Bromomethane	935729	1315208	1376323	1370418	1267561
Chloroethane	1915077	2950557	3297237	2911292	2562951
Trichlorofluoromethane	6007936	6691789	6201573	6932560	5500765
1,1-Dichloroethene	5589911	6945691	6989978	7211116	5197467
Methylene Chloride	14135960	9902342	9802574	9050576	7044052
trans-1,2-Dichloroethene	6197624	7219984	7612156	7423938	5578560
1,1-Dichloroethane	6472943	7507232	7988794	7647297	5823311
cis-1,2-Dichloroethene	5980270	6601352	5980267	6505889	5507911
Chloroform	8886178	9987323	10334531	9629355	7335783
1,1,1-Trichloroethane	7702423	8657024	8826278	8636736	6445353
Carbon Tetrachloride	8156168	9737475	9818272	9781603	7245115
1,2-Dichloroethane	6605250	7185375	7752427	7201432	5702633
Trichloroethene	7414712	8769247	8940400	8599328	6500467
1,2-Dichloropropane	6047070	6795158	7323470	6848789	5340334
Bromodichloromethane	6355533	6776262	7260011	6826301	5405655
2-Chloroethyl Vinyl Ether	1940673	1898597	2124362	2284726	1929758
cis-1,3-Dichloropropene	6079641	6243875	6584483	6334215	4866035
trans-1,3-Dichloropropene	5301337	5846493	6189532	5931202	4612462
1,1,2-Trichloroethane	7219318	7768015	8347985	7632788	6001234
Tetrachloroethene	7596420	8795693	8495946	8499941	6408688
Dibromochloromethane	4483298	4998603	5473239	5336514	4408078
Chlorobenzene	2999218	3378674	3505994	3507714	2782950
Bromoform	2787239	3211401	3670923	3603024	3027879
1,1,2,2-Tetrachloroethane	5009749	5137267	5622233	5411952	4255708
1,3-Dichlorobenzene	4065371	4673992	4740932	4643046	3713313
1,4-Dichlorobenzene	4484768	4918219	5081380	4859547	3879275
1,2-Dichlorobenzene	4209351	4720208	4961038	4775168	3771087
Bromochloromethane(sur)	4399468	4786975	4833237	4978264	4241393

304332

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Instrument ID: VOAGC1 Calibration Date(s): 10/17/98 10/18/98

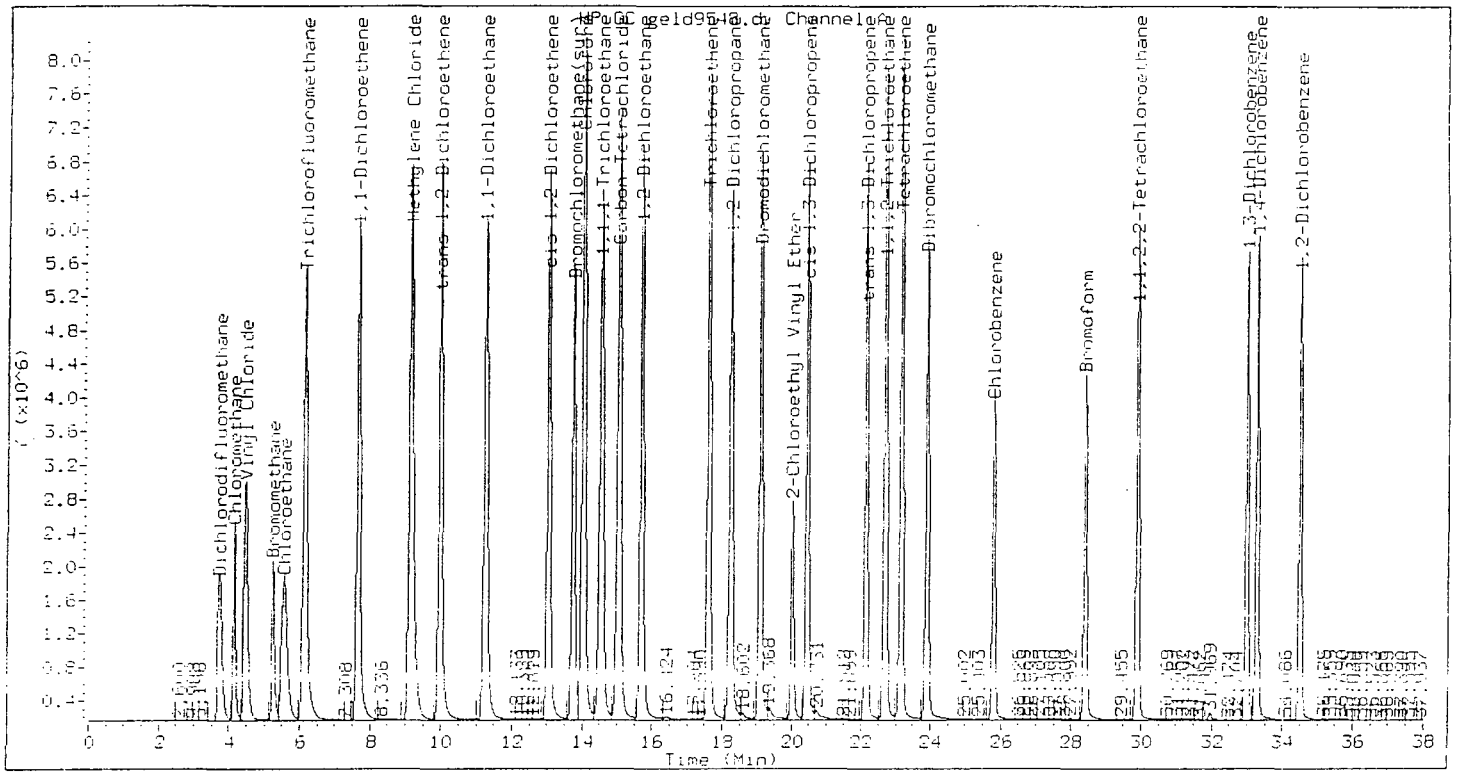
Calibration Time(s): 1954 0322

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Dichlorodifluoromethane	AVRG	2550243	28*
Chloromethane	AVRG	1033543	28*
Vinyl Chloride	AVRG	2680565	12*
Bromomethane	AVRG	1253048	14*
Chloroethane	AVRG	2727423	19*
Trichlorofluoromethane	AVRG	6266925	9.0*
1,1-Dichloroethene	AVRG	6386833	14*
Methylene Chloride	AVRG	9987101	26*
trans-1,2-Dichloroethene	AVRG	6806452	13*
1,1-Dichloroethane	AVRG	7087915	13*
cis-1,2-Dichloroethene	AVRG	6115138	7.3*
Chloroform	AVRG	9234634	13*
1,1,1-Trichloroethane	AVRG	8053563	12*
Carbon Tetrachloride	AVRG	8947727	13*
1,2-Dichloroethane	AVRG	6889423	11*
Trichloroethene	AVRG	8044831	13*
1,2-Dichloropropane	AVRG	6470964	12*
Bromodichloromethane	AVRG	6524752	11*
2-Chloroethyl Vinyl Ether	AVRG	2035623	8.1*
cis-1,3-Dichloropropene	AVRG	6021650	11*
trans-1,3-Dichloropropene	AVRG	5576205	11*
1,1,2-Trichloroethane	AVRG	7393868	12*
Tetrachloroethene	AVRG	7959338	12*
Dibromochloromethane	AVRG	4939946	9.8*
Chlorobenzene	AVRG	3234910	10*
Bromoform	AVRG	3260093	12*
1,1,2,2-Tetrachloroethane	AVRG	5087382	10*
1,3-Dichlorobenzene	AVRG	4367331	10*
1,4-Dichlorobenzene	AVRG	4644638	10*
1,2-Dichlorobenzene	AVRG	4487370	11*
Bromochloromethane(sur)	AVRG	4647867	6.7*

* Compounds with required maximum %RSD values.

304333

Data File: /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/geld9548.d Page 1
Report Date 10/20/98 09:08



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/8021E.m
Sample Info : gstd040a
Lab ID : gstd040a
Inj Date : 18-OCT-98 01:52:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_5

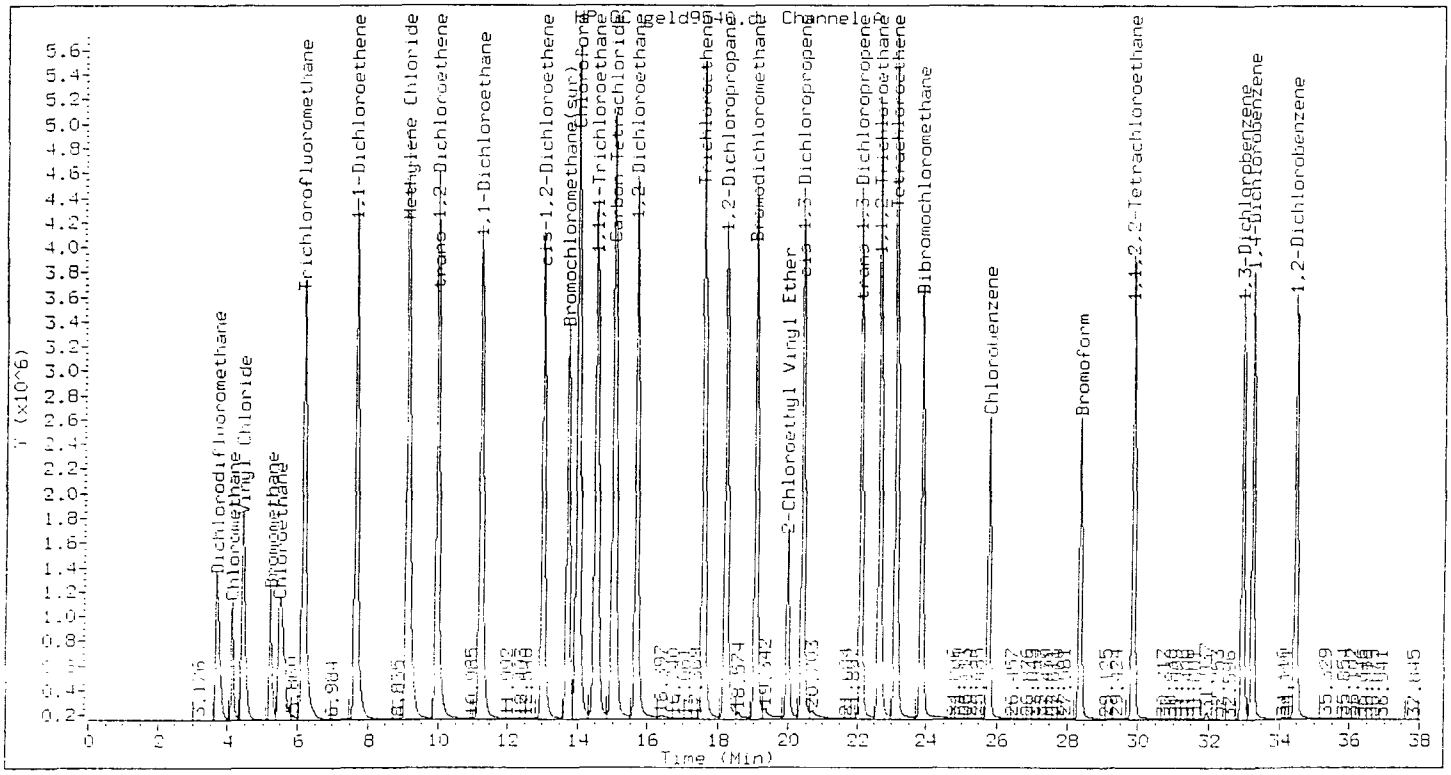
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.725	3.701	0.024	80205506	31.391	31.391
Chloromethane	4.144	4.141	0.003	52273638	50.377	50.377
Vinyl Chloride	4.453	4.431	0.022	114107712	42.289	42.289
Bromomethane	5.237	5.240	0.002	50702459	40.193	40.193
Chloroethane	5.560	5.533	0.027	102518025	37.226	37.226
Trichlorofluoromethane	6.130	6.210	0.080	220030589	34.873	34.873
1,1-Dichloroethene	7.655	7.685	0.030	207898681	32.442	32.442
Methylene Chloride	9.132	9.129	0.003	281762091	28.099	28.099
trans-1,2-Dichloroethene	9.967	9.974	0.007	223142383	32.437	32.437

304334

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	11.246	11.245	0.000	232932434	32.621	32.621
cis-1,2-Dichloroethene	13.030	13.027	0.003	220316453	35.788	35.788
Chloroform	14.022	14.014	0.008	293431304	31.695	31.695
1,1,1-Trichloroethane	14.534	14.531	0.003	257314125	31.908	31.908
Carbon Tetrachloride	15.043	15.041	0.002	289804614	32.265	32.265
1,2-Dichloroethane	15.696	15.689	0.007	228105322	32.956	32.956
Trichloroethene	17.601	17.595	0.006	260018664	32.166	32.166
1,2-Dichloropropane	18.241	18.232	0.009	213613381	32.832	32.832
Bromodichloromethane	19.095	19.084	0.011	216226194	33.002	33.002
2-Chloroethyl Vinyl Ether	20.016	20.009	0.008	77190319	37.332	37.332
cis-1,3-Dichloropropene	20.442	20.433	0.010	194641403	32.176	32.176
trans-1,3-Dichloropropene	22.126	22.117	0.008	184498484	32.978	32.978
1,1,2-Trichloroethane	22.681	22.670	0.011	240049367	32.384	32.384
Tetrachloroethene	23.150	23.141	0.009	256347528	32.043	32.043
Dibromochloromethane	23.902	23.889	0.013	176323142	35.330	35.330
Chlorobenzene	25.795	25.785	0.010	111218010	34.121	34.121
Bromoform	28.394	28.382	0.012	121115169	36.783	36.783
1,1,2,2-Tetrachloroethane	29.894	29.879	0.015	170228335	33.237	33.237
1,3-Dichlorobenzene	32.985	32.972	0.013	148532513	33.971	33.971
1,4-Dichlorobenzene	33.274	33.261	0.013	155171014	33.219	33.219
1,2-Dichlorobenzene	34.493	34.480	0.013	150843464	33.497	33.497
Bromochloromethane(sur)	13.740	13.735	0.005	169655727	36.377	36.377

304335

Data File: /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/geld9540.d Page 1
Report Date 10/20/98 09:08



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/8021E.m
Sample Info : gstd020a
Lab ID : gstd020a
Inj Date : 17-OCT-98 19:54:00
Operator : KB
Cpnd Sublist: 601

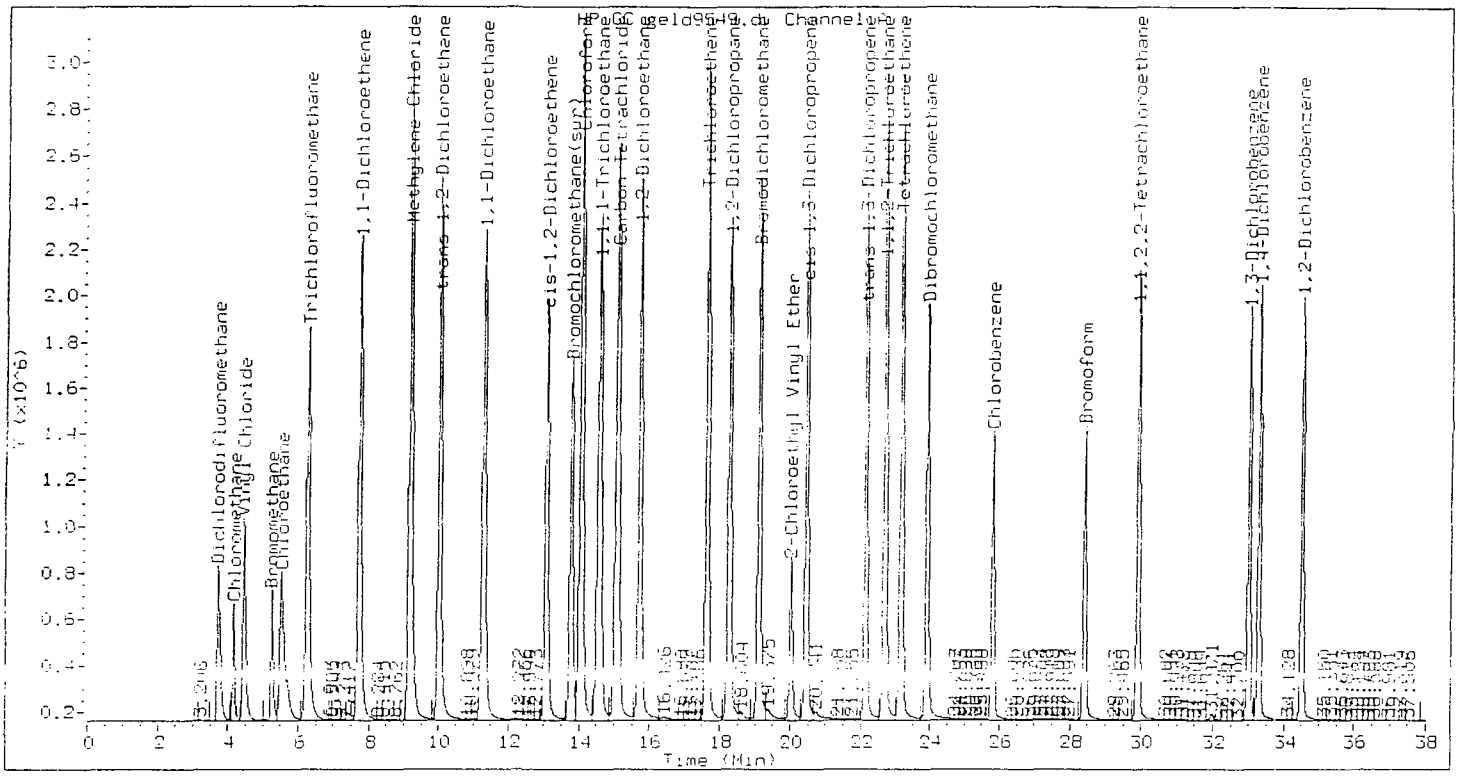
Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.678	3.701	0.022	48382313	18.972	18.972
Chloromethane	4.126	4.141	0.015	22524192	21.793	21.793
Vinyl Chloride	4.418	4.431	0.013	61310079	22.872	22.872
Bromomethane	5.212	5.240	0.028	27408352	21.873	21.873
Chloroethane	5.503	5.533	0.029	58225840	21.348	21.348
Trichlorofluoromethane	6.160	6.210	0.049	138651210	22.124	22.124
1,1-Dichloroethene	7.655	7.685	0.030	144222330	22.581	22.581
Methylene Chloride	9.106	9.129	0.023	181011519	18.125	18.125
trans-1,2-Dichloroethene	9.948	9.974	0.026	148478763	21.814	21.814

304336

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	11.223	11.245	0.023	152945932	21.578	21.578
cis-1,2-Dichloroethene	13.004	13.027	0.023	130117778	21.278	21.278
Chloroform	13.994	14.014	0.020	192587098	20.855	20.855
1,1,1-Trichloroethane	14.510	14.531	0.021	172734715	21.448	21.448
Carbon Tetrachloride	15.020	15.041	0.021	195632056	21.864	21.864
1,2-Dichloroethane	15.668	15.689	0.021	144028632	20.906	20.906
Trichloroethene	17.574	17.595	0.021	171986568	21.379	21.379
1,2-Dichloropropane	18.213	18.232	0.019	136975778	21.168	21.168
Bromodichloromethane	19.065	19.084	0.018	136526017	20.924	20.924
2-Chloroethyl Vinyl Ether	19.987	20.009	0.022	45694523	22.447	22.447
cis-1,3-Dichloropropene	20.412	20.433	0.020	126684300	21.038	21.038
trans-1,3-Dichloropropene	22.098	22.117	0.020	118624038	21.273	21.273
1,1,2-Trichloroethane	22.651	22.670	0.019	152655758	20.646	20.646
Tetrachloroethene	23.122	23.141	0.019	169998820	21.358	21.358
Dibromochloromethane	23.871	23.889	0.019	106730278	21.606	21.606
Chlorobenzene	25.767	25.785	0.018	70154271	21.687	21.687
Bromoform	28.362	28.382	0.018	72060475	22.104	22.104
1,1,2,2-Tetrachloroethane	29.860	29.879	0.019	108239045	21.276	21.276
1,3-Dichlorobenzene	32.953	32.972	0.020	92860922	21.263	21.263
1,4-Dichlorobenzene	33.241	33.261	0.019	97190934	20.925	20.925
1,2-Dichlorobenzene	34.461	34.480	0.019	95503356	21.283	21.283
Bromochloromethane(sur)	13.714	13.735	0.021	99565270	21.422	21.422

304337



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/8021E.m
Sample Info : gstd010a
Lab ID : gstd010a
Inj Date : 18-OCT-98 02:37:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_3

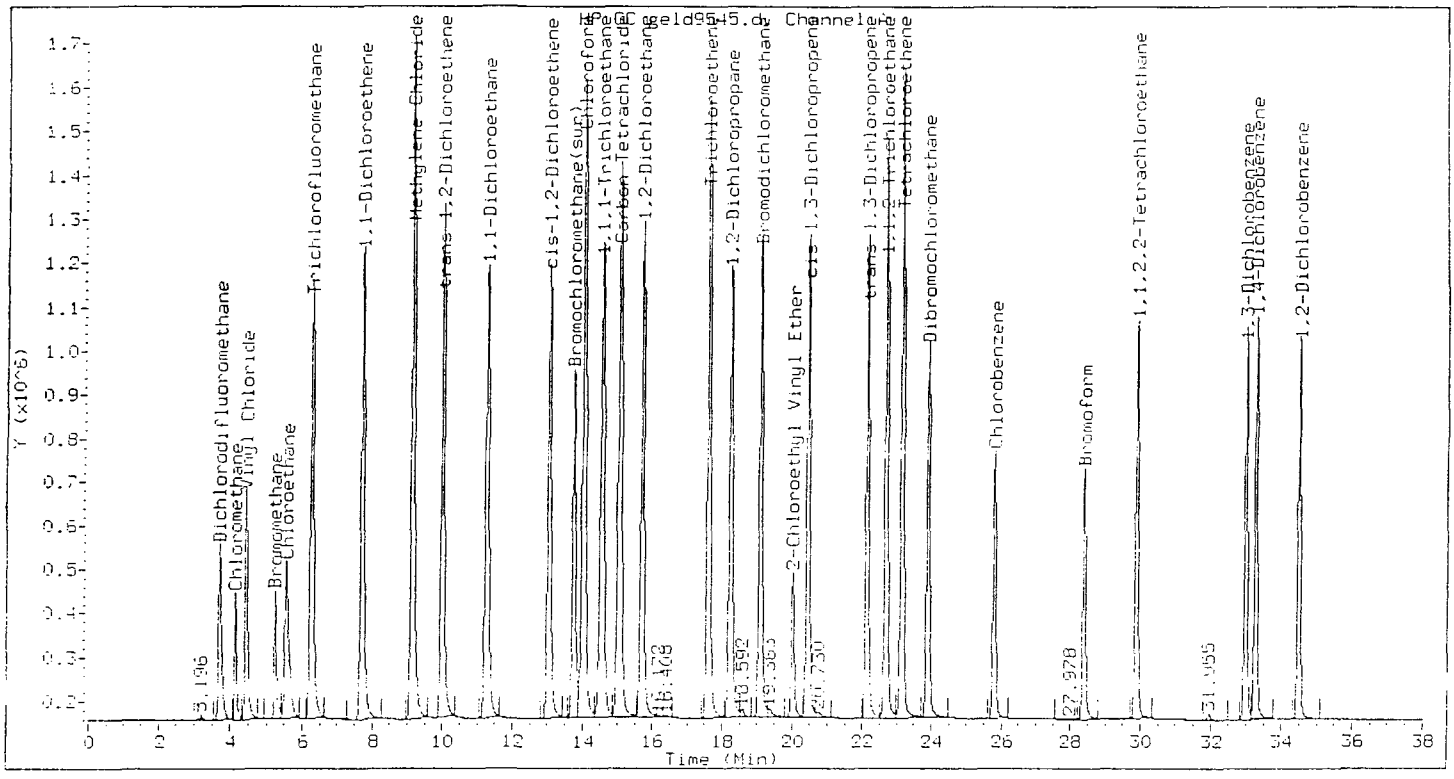
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.709	3.701	0.008	22155261	8.228	8.228
Chloromethane	4.152	4.141	0.011	10831162	11.161	11.161
Vinyl Chloride	4.442	4.431	0.011	26029690	9.787	9.787
Bromomethane	5.244	5.240	0.004	13763230	10.923	10.923
Chloroethane	5.508	5.532	0.025	32972374	11.769	11.769
Trichlorofluoromethane	6.241	6.210	0.031	62015726	9.524	9.524
1,1-Dichloroethene	7.705	7.685	0.020	59899776	10.416	10.416
Methylene Chloride	9.143	9.129	0.015	98025745	9.099	9.099
trans-1,2-Dichloroethene	9.991	9.974	0.017	76121559	10.566	10.566

304338

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	11.262	11.245	0.016	79887941	10.695	10.695
cis-1,2-Dichloroethene	13.041	13.027	0.014	59802666	9.465	9.465
Chloroform	14.028	14.014	0.014	103345312	10.612	10.612
1,1,1-Trichloroethane	14.547	14.531	0.015	88262784	10.398	10.398
Carbon Tetrachloride	15.056	15.041	0.016	98132723	10.427	10.427
1,2-Dichloroethane	15.702	15.689	0.013	77524266	10.728	10.728
Trichloroethene	17.608	17.595	0.014	89403997	10.544	10.544
1,2-Dichloropropane	18.246	18.232	0.013	73234695	10.773	10.773
Bromodichloromethane	19.097	19.084	0.013	72600108	10.617	10.617
2-Chloroethyl Vinyl Ether	20.020	20.009	0.011	21243620	10.106	10.106
cis-1,3-Dichloropropene	20.445	20.433	0.012	65844833	10.377	10.377
trans-1,3-Dichloropropene	22.128	22.117	0.011	61395320	10.598	10.598
1,1,2-Trichloroethane	22.681	22.670	0.012	83479846	10.750	10.750
Tetrachloroethene	23.154	23.141	0.013	84959461	10.117	10.117
Dibromochloromethane	23.902	23.889	0.012	54732392	10.656	10.656
Chlorobenzene	25.797	25.785	0.012	35059936	10.366	10.366
Bromoform	28.394	28.382	0.013	[illegible]	[illegible]	[illegible]
1,1,2,2-Tetrachloroethane	29.893	29.879	0.014	56222334	10.532	10.532
1,3-Dichlorobenzene	32.986	32.972	0.013	47409323	10.449	10.449
1,4-Dichlorobenzene	33.274	33.261	0.013	50813805	10.436	10.436
1,2-Dichlorobenzene	34.494	34.480	0.014	49610377	10.586	10.586
Bromochloromethane(sur)	13.750	13.735	0.015	48332369	10.134	10.134

304339

Data File: /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/geld9545.d Page 1
Report Date 10/20/98 09:08



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/8021E.m
Sample Info : gstd005a
Lab ID : gstd005a
Inj Date : 17-OCT-98 23:38:00
Operator : KB
Cpnd Sublist: 601

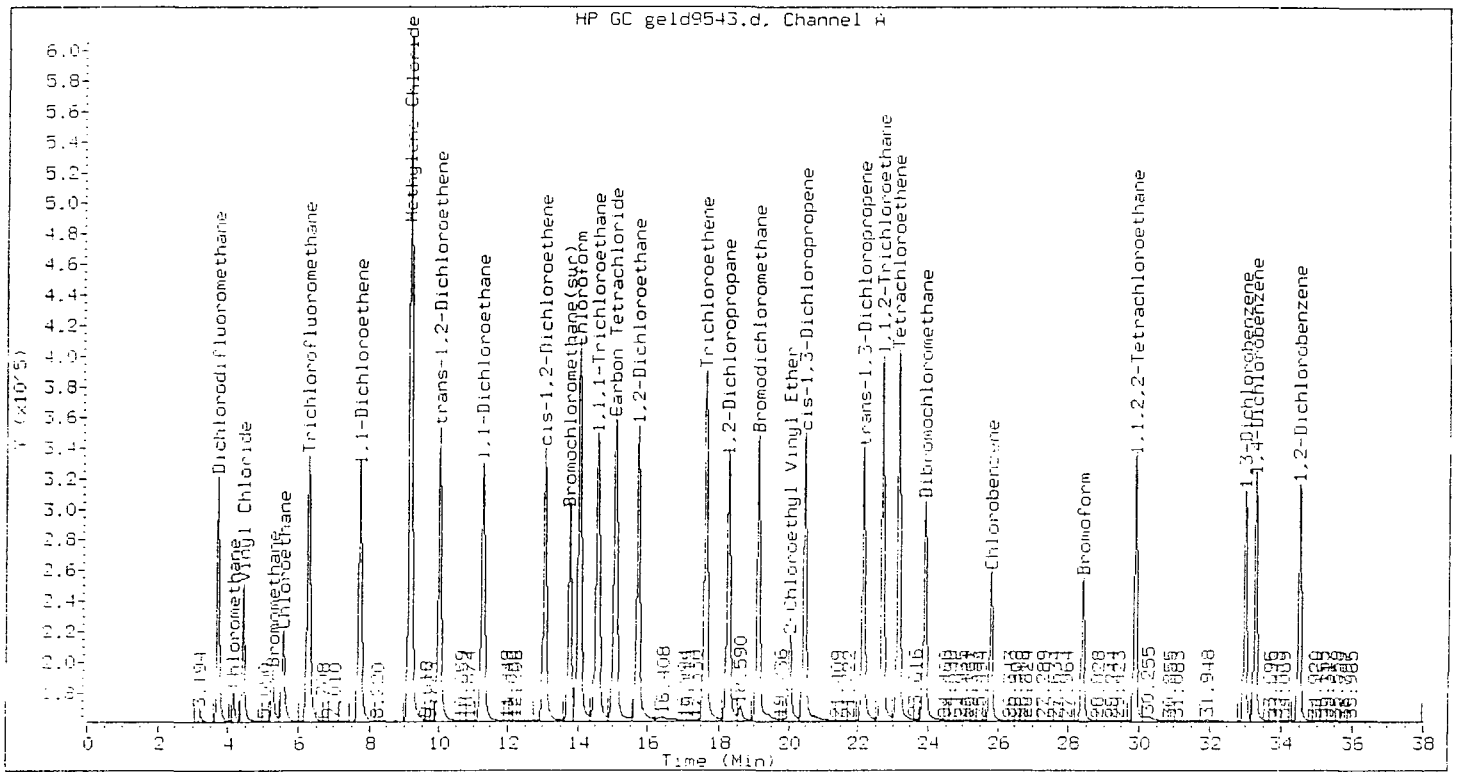
Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_2

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
Dichlorodifluoromethane	3.700	3.701	0.001	11630368	4.560	4.560
Chloromethane	4.141	4.141	0.000	5608594	5.427	5.427
Vinyl Chloride	4.427	4.431	0.004	12511470	5.041	5.041
Bromomethane	5.238	5.240	0.002	6576042	5.248	5.248
Chloroethane	5.543	5.533	0.011	14752787	5.409	5.409
Trichlorofluoromethane	6.256	6.210	0.047	33458947	5.339	5.339
1,1-Dichloroethene	7.706	7.685	0.021	34728455	5.438	5.438
Methylene Chloride	9.135	9.129	0.006	49511710	4.958	4.958
trans-1,2-Dichloroethene	9.984	9.974	0.010	36099920	5.304	5.304

304340

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	11.251	11.245	0.006	37536159	5.296	5.296
cis-1,2-Dichloroethene	13.031	13.027	0.004	33006760	5.398	5.398
Chloroform	14.015	14.014	0.001	49936613	5.408	5.408
1,1,1-Trichloroethane	14.535	14.531	0.004	43285122	5.375	5.375
Carbon Tetrachloride	15.044	15.041	0.003	48687377	5.441	5.441
1,2-Dichloroethane	15.690	15.689	0.001	35926874	5.215	5.215
Trichloroethene	17.597	17.595	0.002	43846237	5.450	5.450
1,2-Dichloropropane	18.233	18.232	0.001	33975791	5.250	5.250
Bromodichloromethane	19.083	19.084	0.001	33881311	5.193	5.193
2-Chloroethyl Vinyl Ether	20.008	20.009	0.000	9492986	4.663	4.663
cis-1,3-Dichloropropene	20.432	20.433	0.000	31219373	5.185	5.185
trans-1,3-Dichloropropene	22.118	22.117	0.001	28022442	5.242	5.242
1,1,2-Trichloroethane	22.670	22.670	0.001	38840077	5.253	5.253
Tetrachloroethene	23.142	23.141	0.001	43978464	5.525	5.525
Dibromochloromethane	23.888	23.889	0.001	24993016	5.059	5.059
Chlorobenzene	25.785	25.785	0.000	16393369	5.222	5.222
Bromoform	28.381	28.380	[illegible]	16087104	4.905	4.905
1,1,2,2-Tetrachloroethane	29.877	29.879	0.002	25686336	5.049	5.049
1,3-Dichlorobenzene	32.972	32.972	0.000	22369959	5.351	5.351
1,4-Dichlorobenzene	33.260	33.261	0.000	24591094	5.295	5.295
1,2-Dichlorobenzene	34.479	34.480	0.001	23601041	5.259	5.259
Bromochloromethane(sur)	13.738	13.735	0.003	22934873	5.150	5.150

304341



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/17oct98a.b/8021E.m
Sample Info : gstd001a
Lab ID : gstd001a
Inj Date : 17-OCT-98 22:09:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CALIB_1

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.691	3.701	0.009	3785363	1.484	1.484
Chloromethane	4.142	4.141	0.001	529704	0.513	0.513
Vinyl Chloride	4.415	4.431	0.016	2179365	0.813	0.813
Bromomethane	5.268	5.240	0.028	935729	0.747	0.747
Chloroethane	5.550	5.533	0.017	1915077	0.702	0.702
Trichlorofluoromethane	6.261	6.210	0.051	6007936	0.959	0.959
1,1-Dichloroethene	7.703	7.685	0.018	5589911	0.875	0.875
Methylene Chloride	9.128	9.129	0.001	14135960	1.415	1.415
trans-1,2-Dichloroethene	9.981	9.974	0.006	6197624	0.911	0.911

304342

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	11.246	11.245	0.001	6472943	0.913	0.913
cis-1,2-Dichloroethene	13.028	13.027	0.001	5980270	0.978	0.978
Chloroform	14.010	14.014	0.004	8886178	0.962	0.962
1,1,1-Trichloroethane	14.530	14.531	0.001	7702423	0.956	0.956
Carbon Tetrachloride	15.040	15.041	0.001	8156168	0.912	0.912
1,2-Dichloroethane	15.689	15.689	0.000	6605250	0.959	0.959
Trichloroethene	17.594	17.595	0.001	7414712	0.922	0.922
1,2-Dichloropropane	18.228	18.232	0.004	6047070	0.934	0.934
Bromodichloromethane	19.079	19.084	0.005	6355533	0.974	0.974
2-Chloroethyl Vinyl Ether	20.013	20.009	0.004	1940672	0.953	0.953
cis-1,3-Dichloropropene	20.421	20.433	0.002	6079641	1.010	1.010
trans-1,3-Dichloropropene	22.118	22.117	0.000	5301237	0.951	0.951
1,1,2-Trichloroethane	22.665	22.670	0.005	7219318	0.976	0.976
Tetrachloroethene	23.136	23.141	0.005	7596420	0.954	0.954
Dibromochloromethane	23.883	23.889	0.006	4483298	0.908	0.908
Chlorobenzene	25.781	25.785	0.004	2999218	0.927	0.927
Bromoform	28.376	28.382	0.006	2787229	0.855	0.855
1,1,2,2-Tetrachloroethane	29.871	29.879	0.008	5009749	0.985	0.985
1,3-Dichlorobenzene	32.966	32.972	0.006	4065371	0.931	0.931
1,4-Dichlorobenzene	33.254	33.261	0.007	4484768	0.966	0.966
1,2-Dichlorobenzene	34.474	34.480	0.006	4209351	0.938	0.938
Bromochloromethane(sur)	13.734	13.735	0.001	4299468	0.947	0.947

304343

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK

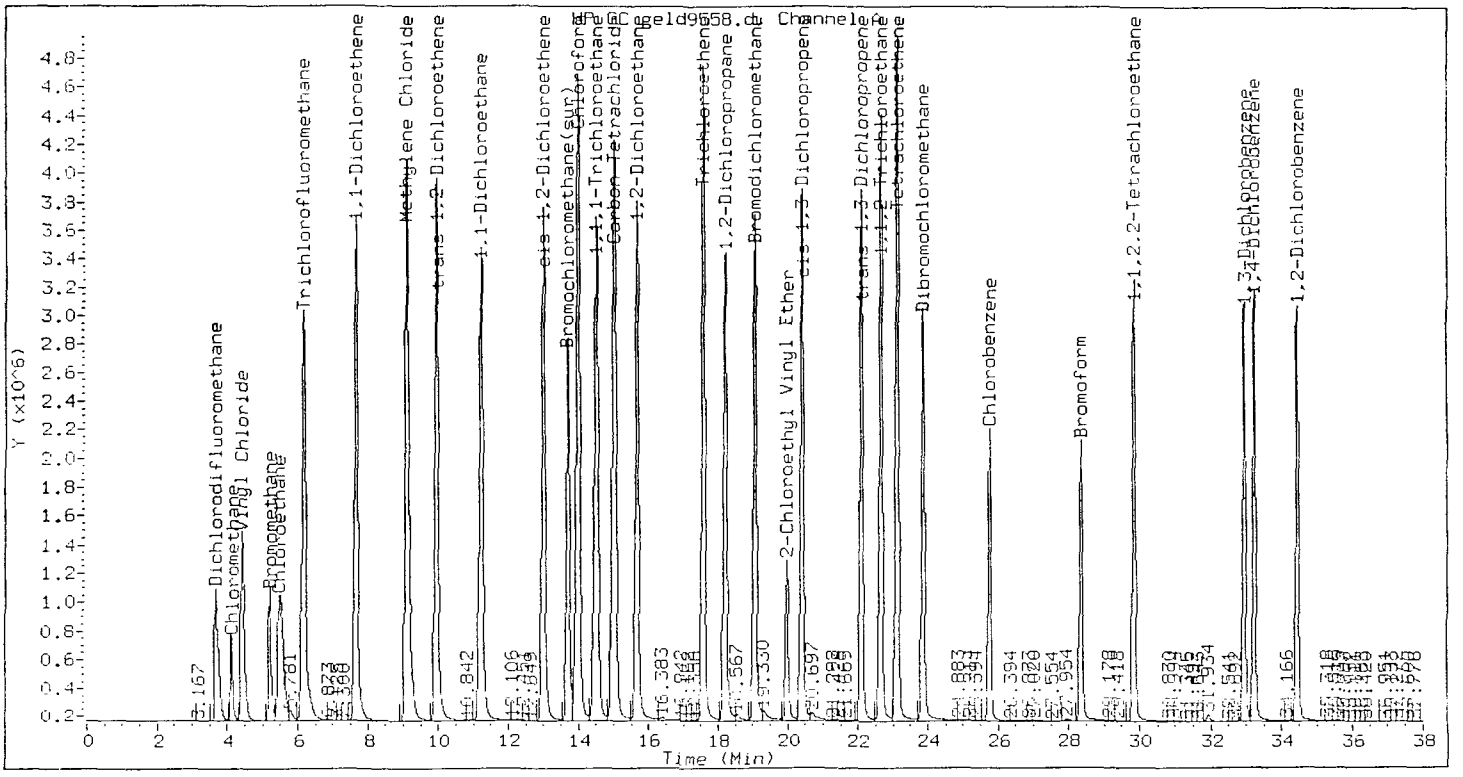
Instrument ID: VOAGC1 Calibration Date: 10/19/98 Time: 1258

Lab File ID: GELD9558 Init. Calib. Date(s): 10/17/98 10/18/98

Heated Purge: (Y/N) N Init. Calib. Times: 1954 0322

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2550243.2	1822381.3		28.5	15.0
Chloromethane	1033542.8	700784.99		32.2	15.0
Vinyl Chloride	2680565.0	2515614.5		6.2	15.0
Bromomethane	1253047.9	1195775.4		4.6	15.0
Chloroethane	2727422.9	2605324.9		4.5	15.0
Trichlorofluoromethane	6266924.6	5645911.8		9.9	15.0
1,1-Dichloroethene	6386832.6	5960720.5		6.7	15.0
Methylene Chloride	9987100.9	7545057.0		24.4	15.0
trans-1,2-Dichloroethene	6806452.3	6203538.8		8.8	15.0
1,1-Dichloroethane	7087915.3	6275391.9		11.5	15.0
cis-1,2-Dichloroethene	6115137.8	5886878.8		3.7	15.0
Chloroform	9234633.8	7947288.3		13.9	15.0
1,1,1-Trichloroethane	8053562.9	7110408.0		11.7	15.0
Carbon Tetrachloride	8947726.8	8071836.7		9.8	15.0
1,2-Dichloroethane	6889423.2	5929699.7		13.9	15.0
Trichloroethene	8044830.8	7188474.1		10.6	15.0
1,2-Dichloropropane	6470964.2	5605145.9		13.4	15.0
Bromodichloromethane	6524752.3	5589468.0		14.3	15.0
2-Chloroethyl Vinyl Ether	2035623.3	1643324.4		19.3	15.0
cis-1,3-Dichloropropene	6021649.8	5408107.8		10.2	15.0
trans-1,3-Dichloropropene	5576205.1	5074079.0		9.0	15.0
1,1,2-Trichloroethane	7393868.0	6326656.2		14.4	15.0
Tetrachloroethene	7959337.7	7349254.7		7.7	15.0
Dibromochloromethane	4939946.6	4398648.0		11.0	15.0
Chlorobenzene	3234909.8	2896865.8		10.4	15.0
Bromoform	3260093.2	2879901.4		11.7	15.0
1,1,2,2-Tetrachloroethane	5087382.0	4434196.2		12.8	15.0
1,3-Dichlorobenzene	4367330.8	3879733.1		11.2	15.0
1,4-Dichlorobenzene	4644637.9	4083074.4		12.1	15.0
1,2-Dichlorobenzene	4487370.3	3945057.6		12.1	15.0
Bromochloromethane(sur)	4647867.2	4118250.9		11.4	15.0

304344



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/8021E.m
Sample Info : gstd020
Lab ID : gstd020
Inj Date : 19-OCT-98 12:58:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CCALIB_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.664	3.701	[illegible]	[illegible]	14.292	14.292
Chloromethane	4.116	4.141	0.025	14015699	13.561	13.561
Vinyl Chloride	4.400	4.431	0.031	50312289	18.769	18.769
Bromomethane	5.194	5.240	0.045	23915507	19.086	19.086
Chloroethane	5.468	5.533	0.065	52106497	19.105	19.105
Trichlorofluoromethane	6.152	6.210	0.057	112918236	18.018	18.018
1,1-Dichloroethene	7.643	7.685	0.042	119214409	18.666	18.666
Methylene Chloride	9.089	9.129	0.039	150901139	15.110	15.110
trans-1,2-Dichloroethene	9.932	9.974	0.042	124070776	18.228	18.228

304345

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	11.208	11.245	0.038	125507837	17.707	17.707
cis-1,2-Dichloroethene	12.991	13.027	0.036	117737575	19.253	19.253
Chloroform	13.980	14.014	0.034	158945765	17.212	17.212
1,1,1-Trichloroethane	14.498	14.531	0.033	142208160	17.658	17.658
Carbon Tetrachloride	15.009	15.041	0.031	161436734	18.042	18.042
1,2-Dichloroethane	15.659	15.689	0.030	118593993	17.214	17.214
Trichloroethene	17.566	17.595	0.029	143769481	17.871	17.871
1,2-Dichloropropane	18.204	18.232	0.028	112102918	17.324	17.324
Bromodichloromethane	19.057	19.084	0.027	111789360	17.133	17.133
2-Chloroethyl Vinyl Ether	19.978	20.009	0.030	32866488	16.146	16.146
cis-1,3-Dichloropropene	20.404	20.433	0.029	108162155	17.962	17.962
trans-1,3-Dichloropropene	22.090	22.117	0.028	101481580	18.199	18.199
1,1,2-Trichloroethane	22.644	22.670	0.026	126533124	17.113	17.113
Tetrachloroethene	23.115	23.141	0.026	146985093	18.467	18.467
Dibromochloromethane	23.863	23.889	0.026	87972960	17.808	17.808
Chlorobenzene	25.758	25.785	0.027	57937316	17.910	17.910
Bromoform	28.355	28.382	0.026	57598028	17.668	17.668
1,1,2,2-Tetrachloroethane	29.855	29.879	0.024	88683923	17.432	17.432
1,3-Dichlorobenzene	32.947	32.972	0.025	77594662	17.767	17.767
1,4-Dichlorobenzene	33.235	33.261	0.026	81661488	17.582	17.582
1,2-Dichlorobenzene	34.454	34.480	0.026	78901152	17.583	17.583
Bromochloromethane(sur)	13.700	13.735	0.035	82365018	17.721	17.721

304346

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK

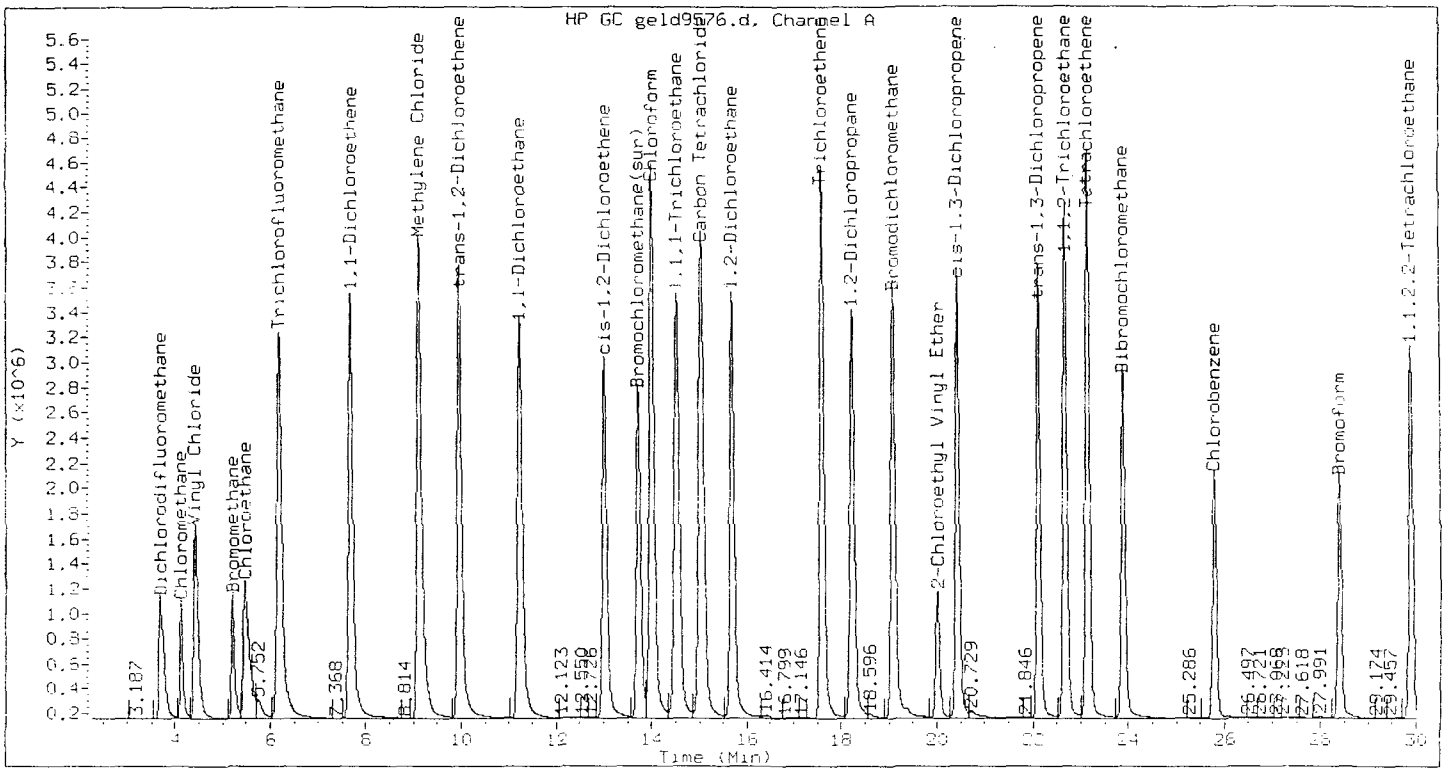
Instrument ID: VOAGC1 Calibration Date: 10/20/98 Time: 0811

Lab File ID: GELD9576 Init. Calib. Date(s): 10/17/98 10/18/98

Heated Purge: (Y/N) N Init. Calib. Times: 1954 0322

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2550243.2	1874605.7		26.5	15.0
Chloromethane	1033542.8	1055933.6		-2.0	15.0
Vinyl Chloride	2680565.0	2697409.4		0.1	15.0
Bromomethane	1253047.9	1176958.9		6.1	15.0
Chloroethane	2727422.9	2515839.4		7.8	15.0
Trichlorofluoromethane	6266924.6	5945187.7		5.1	15.0
1,1-Dichloroethene	6386832.6	5839326.7		8.6	15.0
Methylene Chloride	9987100.9	7081086.2		29.1	15.0
trans-1,2-Dichloroethene	6806452.3	6102854.1		10.3	15.0
1,1-Dichloroethane	7087915.3	6218163.6		12.3	15.0
cis-1,2-Dichloroethene	6115137.8	4814593.2		21.3	15.0
Chloroform	9234633.8	7832797.7		15.2	15.0
1,1,1-Trichloroethane	8053562.9	6972146.2		13.4	15.0
Carbon Tetrachloride	8947726.8	7889813.5		11.8	15.0
1,2-Dichloroethane	6889423.2	5673037.2		17.6	15.0
Trichloroethene	8044830.8	7030654.9		12.6	15.0
1,2-Dichloropropane	6470964.2	5553782.1		14.2	15.0
Bromodichloromethane	6524752.3	5854691.5		10.3	15.0
2-Chloroethyl Vinyl Ether	2035623.3	1499471.1		26.3	15.0
cis-1,3-Dichloropropene	6021649.8	5270942.0		12.5	15.0
trans-1,3-Dichloropropene	5576205.1	4984531.3		10.6	15.0
1,1,2-Trichloroethane	7393868.0	6179026.3		16.4	15.0
Tetrachloroethene	7959337.7	6938892.0		12.8	15.0
Dibromochloromethane	4939946.6	4395978.8		11.0	15.0
Chlorobenzene	3234909.8	2841591.5		12.2	15.0
Bromoform	3260093.2	2901931.5		11.0	15.0
1,1,2,2-Tetrachloroethane	5087382.0	4299546.0		15.5	15.0
1,3-Dichlorobenzene	4367330.8	3810111.5		12.8	15.0
1,4-Dichlorobenzene	4644637.9	4043514.8		12.9	15.0
1,2-Dichlorobenzene	4487370.3	3875756.4		13.6	15.0
Bromochloromethane(sur)	4647867.2	4169914.8		10.3	15.0

304347



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/20oct98.b/8021E.m
Sample Info : gstd020
Lab ID : gstd020
Inj Date : 20-OCT-1998 08:11
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 1
Sample Matrix : SOIL
Sample Type: CCALIB_4

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.686	3.701	0.014	37492114	14.701	14.701
Chloromethane	4.132	4.141	0.009	21118671	20.433	20.433
Vinyl Chloride	4.424	4.431	0.007	53948188	20.126	20.126
Bromomethane	5.220	5.240	0.020	23539177	18.786	18.786
Chloroethane	5.482	5.533	0.051	50316787	18.448	18.448
Trichlorofluoromethane	6.199	6.210	0.011	118903754	18.973	18.973
1,1-Dichloroethene	7.679	7.685	0.006	116786534	18.286	18.286
Methylene Chloride	9.123	9.129	0.005	141621724	14.180	14.180
trans-1,2-Dichloroethene	9.968	9.974	0.006	122057082	17.933	17.933

304348

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	11.242	11.245	0.003	124363272	17.546	17.546
cis-1,2-Dichloroethene	13.024	13.027	0.003	96291865	15.746	15.746
Chloroform	14.012	14.014	0.002	156655954	16.964	16.964
1,1,1-Trichloroethane	14.531	14.531	0.000	139442924	17.314	17.314
Carbon Tetrachloride	15.041	15.041	0.001	157796271	17.635	17.635
1,2-Dichloroethane	15.688	15.689	0.001	113460743	16.469	16.469
Trichloroethene	17.598	17.595	0.003	140613098	17.479	17.479
1,2-Dichloropropane	18.236	18.232	0.004	111075642	17.165	17.165
Bromodichloromethane	19.089	19.084	0.005	117093829	17.946	17.946
2-Chloroethyl Vinyl Ether	20.012	20.009	0.003	29989423	14.732	14.732
cis-1,3-Dichloropropene	20.437	20.433	0.005	105418841	17.507	17.507
trans-1,3-Dichloropropene	22.123	22.117	0.006	99690626	17.878	17.878
1,1,2-Trichloroethane	22.677	22.670	0.007	123580526	16.714	16.714
Tetrachloroethene	23.148	23.141	0.007	138777841	17.436	17.436
Dibromochloromethane	23.898	23.889	0.008	87919575	17.798	17.798
Chlorobenzene	25.796	25.785	0.010	56831831	17.568	17.568
Bromoform	28.394	28.382	0.013	58038631	17.803	17.803
1,1,2,2-Tetrachloroethane	29.892	29.879	0.013	85990921	16.903	16.903
1,3-Dichlorobenzene	32.985	32.972	0.013	76202229	17.448	17.448
1,4-Dichlorobenzene	33.273	33.261	0.012	80870295	17.412	17.412
1,2-Dichlorobenzene	34.493	34.480	0.013	77515127	17.274	17.274
Bromochloromethane(sur)	13.733	13.735	0.002	83398296	17.943	17.943

304349

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: SOIL Level: HIGH Lab Job No: H941

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	GG289A	101			0
02	88551	119			0
03	88552	118			0
04	88553	117			0
05	88554	113			0
06	88555	109			0
07	88556	107			0
08	88558	108			0
09	88561	102			0
10	88568	129			0
11	88569	0D			0
12	GG292	93			0
13	88570	103			0
14	88554MS	94			0
15	GG293	96			0
16	88554MSD	92			0
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

304350

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Matrix: SOIL Level: HIGH Lab Job No: H941

	LAB SAMPLE NO.	SMC1 #	SMC2 #	OTHER	TOT OUT
01	GG289A	84			0
02	88551	96			0
03	88552	153*			1
04	88553	97			0
05	88554	94			0
06	88555	90			0
07	88556	87			0
08	88558	91			0
09	88561	83			0
10	88568	95			0
11	88569	191*			1
12	GG292	82			0
13	88570	85			0
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

		QC LIMITS
SMC1	= a,a,a,-Trifluorotoluen	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

304351

VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
METHOD 8021

Matrix: SOIL

Level: HIGH

Matrix Spike - Lab Sample No.: 88554

MS Sample from Lab Job No: H941

QA Batch: 3699

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Chloromethane	2670	0.00	3450	129	70-130
Vinyl Chloride	2670	0.00	3730	140*	70-130
Bromomethane	2670	0.00	3290	123	70-130
Chloroethane	2670	0.00	2890	108	70-130
Trichlorofluoromethane	2670	0.00	2950	110	70-130
1,1-Dichloroethene	2670	0.00	2810	105	70-130
Methylene Chloride	2670	0.00	2180	82	70-130
trans-1,2-Dichloroethene	2670	0.00	2730	102	70-130
1,1-Dichloroethane	2670	0.00	2560	96	70-130
Chloroform	2670	0.00	2740	103	70-130
1,1,1-Trichloroethane	2670	0.00	2570	96	70-130
Carbon Tetrachloride	2670	0.00	2560	96	70-130
1,2-Dichloroethane	2670	0.00	2380	89	70-130
Trichloroethene	2670	237	2890	99	70-130
1,2-Dichloropropane	2670	0.00	2700	101	70-130
Bromodichloromethane	2670	0.00	2850	107	70-130
2-Chloroethyl Vinyl Ethe	2670	0.00	2910	109	70-130
cis-1,3-Dichloropropene	2670	0.00	2550	96	70-130
trans-1,3-Dichloropropen	2670	0.00	2600	97	70-130
1,1,2-Trichloroethane	2670	0.00	2510	94	70-130
Tetrachloroethene	2670	0.00	2660	100	70-130
Dibromochloromethane	2670	0.00	2830	106	70-130
Chlorobenzene	2670	0.00	2650	99	70-130
Bromoform	2670	0.00	3100	116	70-130
1,1,2,2-Tetrachloroethan	2670	0.00	2500	94	70-130
1,3-Dichlorobenzene	2670	0.00	2620	98	70-130
1,4-Dichlorobenzene	2670	0.00	2320	87	70-130
1,2-Dichlorobenzene	2670	0.00	2420	91	70-130

304352

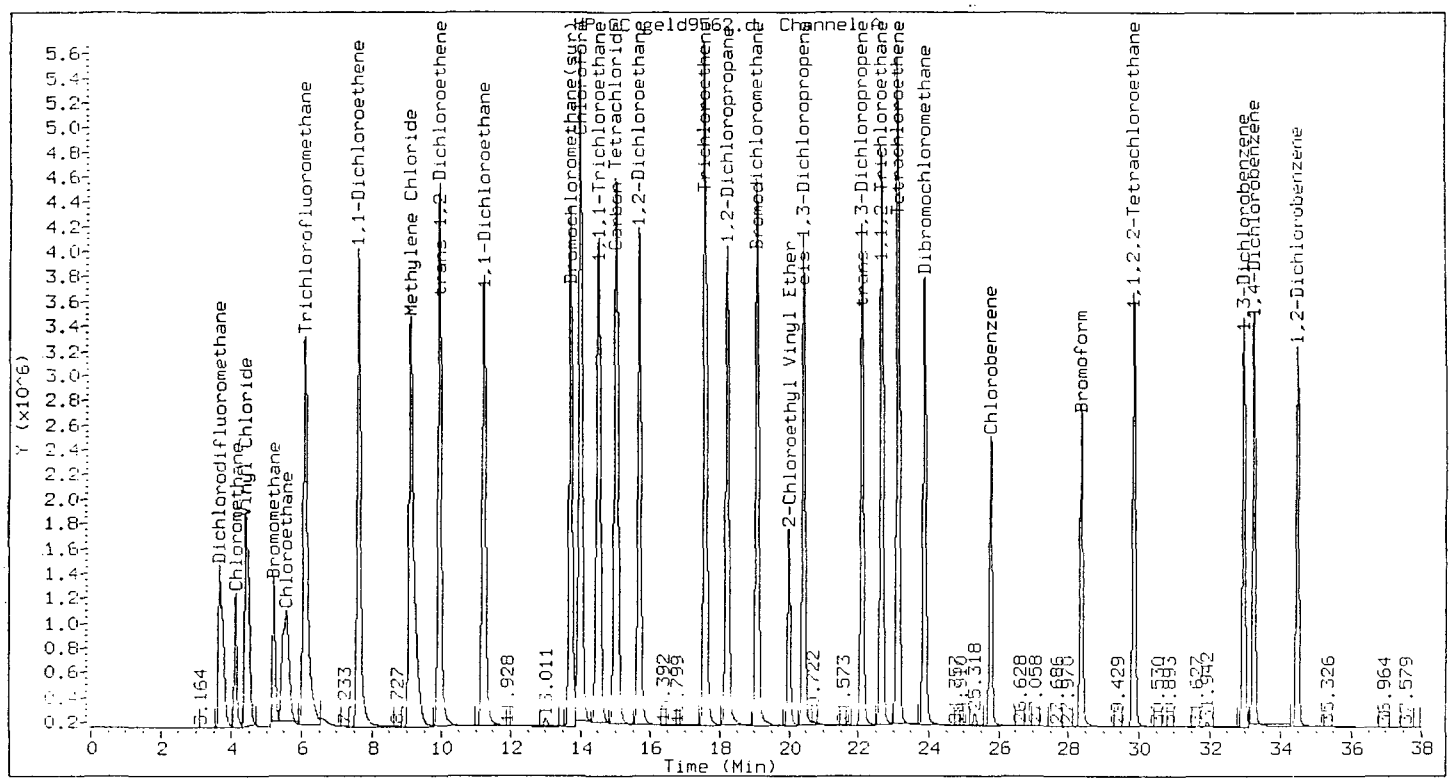
Compound	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloromethane	2670	3900	146*	12	40	70-130
Vinyl Chloride	2670	3750	140*	1	40	70-130
Bromomethane	2670	3300	124	0	40	70-130
Chloroethane	2670	3650	137*	23	40	70-130
Trichlorofluoromethane	2670	2940	110	0	40	70-130
1,1-Dichloroethene	2670	2720	102	3	40	70-130
Methylene Chloride	2670	2230	84	2	40	70-130
trans-1,2-Dichloroethene	2670	2680	100	2	40	70-130
1,1-Dichloroethane	2670	2520	94	2	40	70-130
Chloroform	2670	2780	104	1	40	70-130
1,1,1-Trichloroethane	2670	2610	98	2	40	70-130
Carbon Tetrachloride	2670	2660	100	4	40	70-130
1,2-Dichloroethane	2670	2510	94	5	40	70-130
Trichloroethene	2670	2830	97	2	40	70-130
1,2-Dichloropropane	2670	2640	99	2	40	70-130
Bromodichloromethane	2670	2760	103	3	40	70-130
2-Chloroethyl Vinyl Ethe	2670	2410	90	19	40	70-130
cis-1,3-Dichloropropene	2670	2620	98	3	40	70-130
trans-1,3-Dichloropropen	2670	2650	99	2	40	70-130
1,1,2-Trichloroethane	2670	2520	94	0	40	70-130
Tetrachloroethene	2670	2710	101	2	40	70-130
Dibromochloromethane	2670	2960	111	4	40	70-130
Chlorobenzene	2670	2620	98	1	40	70-130
Bromoform	2670	3040	114	2	40	70-130
1,1,2,2-Tetrachloroethan	2670	2470	93	1	40	70-130
1,3-Dichlorobenzene	2670	2660	100	2	40	70-130
1,4-Dichlorobenzene	2670	2610	98	12	40	70-130
1,2-Dichlorobenzene	2670	2670	100	10	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: 4 out of 56 outside limits

COMMENTS: _____

304353

Data File: /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/geld9562.d Page 1
Report Date 10/20/98 15:58



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/8021E.m
Sample Info : 88554ms;;50
Lab ID : 88554ms
Inj Date : 19-OCT-98 16:18:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: MS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.663	3.701	0.037	58465920	22.926	3065.054
Chloromethane	4.121	4.141	0.020	26692128	25.826	3452.802
Vinyl Chloride	4.407	4.431	0.024	74819284	27.912	3731.678
Bromomethane	5.204	5.240	0.036	30875654	24.640	3294.318
Chloroethane	5.563	5.533	0.030	58964382	21.619	2890.375
Trichlorofluoromethane	6.100	6.210	0.109	138373261	22.080	2951.989
1,1-Dichloroethene	7.623	7.685	0.062	134380411	21.040	2812.985
Methylene Chloride	9.102	9.129	0.027	162972235	16.318	2181.681
trans-1,2-Dichloroethene	9.936	9.974	0.038	139027970	20.426	2730.853

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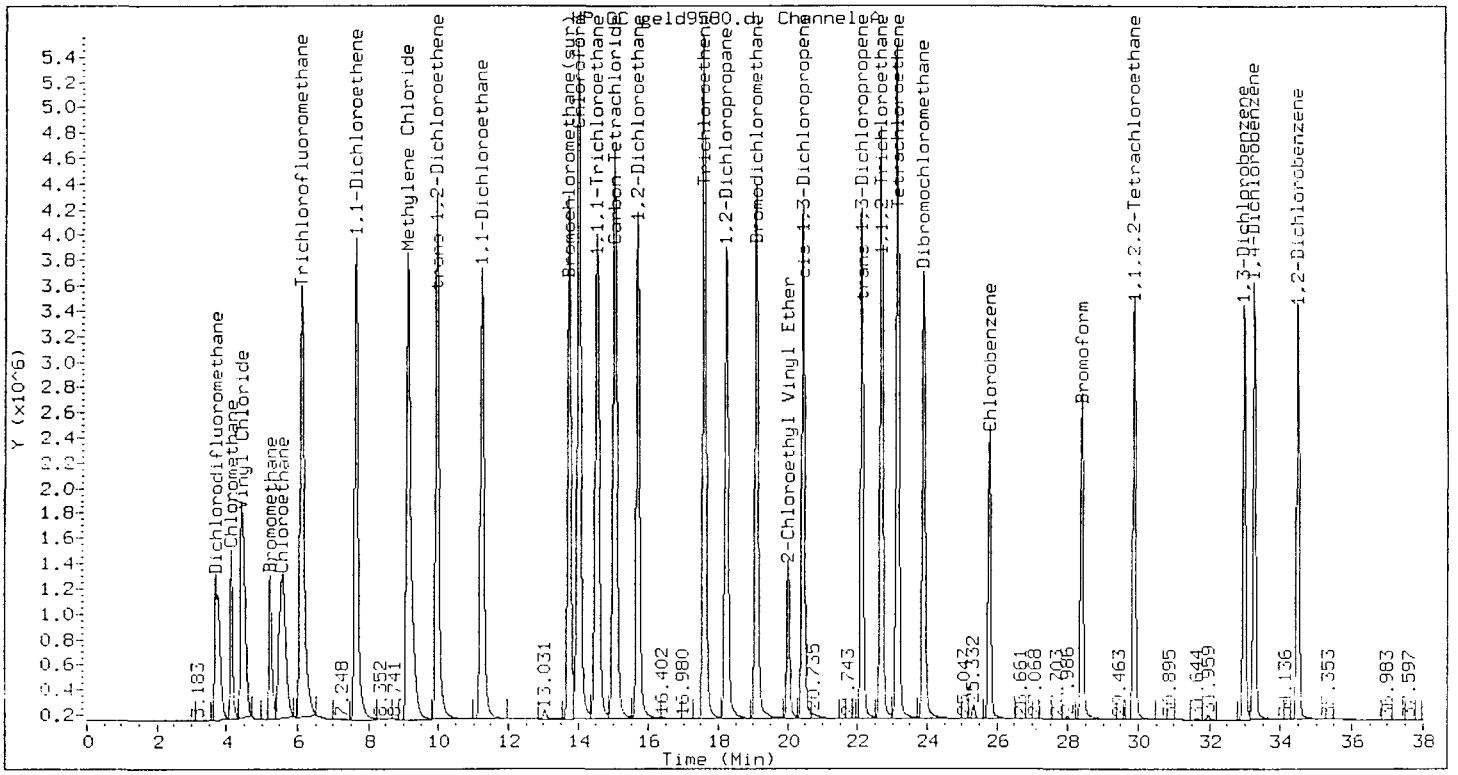
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	11.217	11.245	0.029	135874354	19.170	2562.925
Chloroform	13.995	14.014	0.020	189571951	20.528	2744.551
1,1,1-Trichloroethane	14.506	14.531	0.025	155110660	19.260	2574.960
Carbon Tetrachloride	15.016	15.041	0.024	171204206	19.134	2558.107
1,2-Dichloroethane	15.670	15.689	0.019	122877932	17.836	2384.559
Trichloroethene	17.576	17.595	0.019	174186150	21.652	2894.767
1,2-Dichloropropane	18.215	18.232	0.017	130441918	20.158	2695.040
Bromodichloromethane	19.069	19.084	0.014	138949445	21.296	2847.146
2-Chloroethyl Vinyl Ether	19.993	20.009	0.016	44346053	21.785	2912.558
cis-1,3-Dichloropropene	20.418	20.433	0.015	114971122	19.093	2552.644
trans-1,3-Dichloropropene	22.103	22.117	0.014	108477727	19.454	2600.871
1,1,2-Trichloroethane	22.657	22.670	0.012	138948652	18.792	2512.463
Tetrachloroethene	23.126	23.141	0.015	158710624	19.940	2665.913
Dibromochloromethane	23.875	23.889	0.014	104628626	21.180	2831.687
Chlorobenzene	25.768	25.785	0.017	64074710	19.807	2648.143
Bromoform	28.367	28.382	0.014	75547835	23.174	3098.197
1,1,2,2-Tetrachloroethane	29.865	29.879	0.014	95088796	18.691	2498.918
1,3-Dichlorobenzene	32.955	32.972	0.017	85428423	19.561	2615.190
1,4-Dichlorobenzene	33.242	33.261	0.018	80495327	17.331	2317.052
1,2-Dichlorobenzene	34.462	34.480	0.018	81409582	18.142	2425.496
Bromochloromethane(sur)	13.712	13.735	0.023	131008925	28.187	3768.462

304355



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/20oct98.b/8021E.m
Sample Info : 88554msd;;50
Lab ID : 88554msd
Inj Date : 20-OCT-98 11:41:00
Operator : KB
Cpnd Sublist: 601

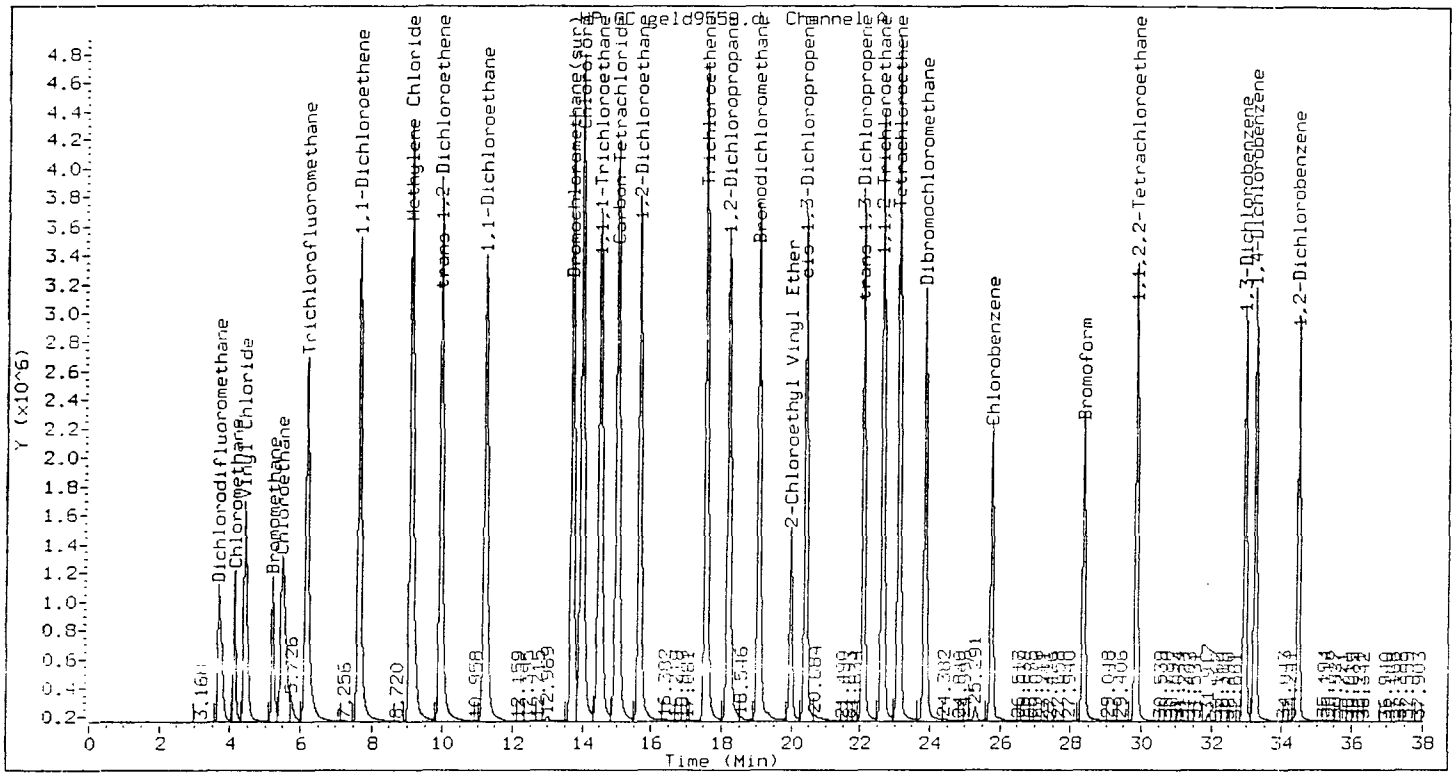
Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: MSD

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.684	3.701	0.017	36039765	21.974	2937.864
Chloromethane	4.132	4.141	0.009	30151500	29.173	3900.295
Vinyl Chloride	4.432	4.431	0.001	75150131	28.035	3748.180
Bromomethane	5.222	5.240	0.018	30977428	24.722	3305.177
Chloroethane	5.567	5.533	0.034	74438734	27.293	3648.913
Trichlorofluoromethane	6.114	6.210	0.096	137594374	21.956	2935.372
1,1-Dichloroethene	7.640	7.685	0.045	129828384	20.328	2717.697
Methylene Chloride	9.120	9.129	0.008	166317020	16.653	2226.457
trans-1,2-Dichloroethene	9.954	9.974	0.021	136381609	20.037	2678.872

304356

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
1,1-Dichloroethane	11.235	11.245	0.011	133800051	18.877	2523.799
Chloroform	14.014	14.014	0.000	191812304	20.771	2776.986
1,1,1-Trichloroethane	14.526	14.531	0.005	156992827	19.494	2606.206
Carbon Tetrachloride	15.036	15.041	0.005	178311496	19.928	2664.303
1,2-Dichloroethane	15.689	15.689	0.000	129503275	18.797	2513.130
Trichloroethene	17.593	17.595	0.002	170478425	21.191	2833.149
1,2-Dichloropropane	18.233	18.232	0.001	127624637	19.723	2636.832
Bromodichloromethane	19.088	19.084	0.004	134793101	20.659	2761.981
2-Chloroethyl Vinyl Ether	20.010	20.009	0.002	36702821	18.030	2410.566
cis-1,3-Dichloropropene	20.434	20.433	0.002	118022217	19.600	2620.386
trans-1,3-Dichloropropene	22.119	22.117	0.002	110631358	19.840	2652.507
1,1,2-Trichloroethane	22.673	22.670	0.003	139370990	18.850	2520.099
Tetrachloroethene	23.141	23.141	0.000	161630212	20.307	2714.955
Dibromochloromethane	23.891	23.889	0.002	109285553	22.123	2957.723
Chlorobenzene	25.783	25.785	0.002	63422235	19.606	2621.177
Bromoform	28.385	28.382	0.003	74241803	22.773	3044.637
1,1,2,2-Tetrachloroethane	29.881	29.879	0.002	94148930	18.506	2474.218
1,3-Dichlorobenzene	32.971	32.972	0.001	86752779	19.864	2655.732
1,4-Dichlorobenzene	33.260	33.261	0.001	90777725	19.545	2613.030
1,2-Dichlorobenzene	34.482	34.480	0.001	89490581	19.943	2666.259
Bromochloromethane(sur)	13.732	13.735	0.004	128693254	27.689	3701.852

304357



Method : /chem/VOAGC1.i/8021ELCD/10-17-98/19oct98.b/8021E.m
Sample Info : 3699bs
Lab ID : 3699bs
Inj Date : 19-OCT-98 13:52:00
Operator : KB
Cpnd Sublist: 601

Inst ID : VOAGC1.i
Dil Factor : 50
Sample Matrix : SOIL
Sample Type: METHSPIKE

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
Dichlorodifluoromethane	3.668	3.701	0.033	37112207	14.552	1819.052
Chloromethane	4.115	4.141	0.026	23491281	22.729	2841.111
Vinyl Chloride	4.401	4.431	0.030	55298873	20.630	2578.695
Bromomethane	5.195	5.240	0.045	25131632	20.056	2507.050
Chloroethane	5.464	5.533	0.069	59522927	21.824	2727.984
Trichlorofluoromethane	6.167	6.210	0.042	100190934	15.987	1998.407
1,1-Dichloroethene	7.644	7.685	0.040	114974950	18.002	2250.234
Methylene Chloride	9.083	9.129	0.046	155052964	15.525	1940.665
trans-1,2-Dichloroethene	9.926	9.974	0.048	124179315	18.244	2280.544

304358

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
1,1-Dichloroethane	11.198	11.245	0.047	125213044	17.666	2208.214
Chloroform	13.968	14.014	0.046	164136096	17.774	2221.746
1,1,1-Trichloroethane	14.485	14.531	0.046	147077290	18.262	2282.798
Carbon Tetrachloride	14.996	15.041	0.045	162987204	18.215	2276.936
1,2-Dichloroethane	15.643	15.689	0.046	121060406	17.572	2196.490
Trichloroethene	17.550	17.595	0.045	146796622	18.247	2280.915
1,2-Dichloropropane	18.187	18.232	0.045	119256842	18.430	2303.691
Bromodichloromethane	19.041	19.084	0.042	117878692	18.066	2258.298
2-Chloroethyl Vinyl Ether	19.963	20.009	0.045	39805159	19.554	2444.286
cis-1,3-Dichloropropene	20.389	20.433	0.043	104908695	17.422	2177.740
trans-1,3-Dichloropropene	22.074	22.117	0.043	101090677	18.129	2266.117
1,1,2-Trichloroethane	22.628	22.670	0.042	128363228	17.361	2170.096
Tetrachloroethene	23.100	23.141	0.041	145721992	18.308	2288.538
Dibromochloromethane	23.848	23.889	0.041	91598465	18.542	2317.800
Chlorobenzene	25.743	25.785	0.042	59734331	18.466	2308.191
Bromoform	28.340	28.382	0.042	62344793	19.124	2390.453
1,1,2,2-Tetrachloroethane	29.840	29.879	0.039	92090930	18.102	2262.729
1,3-Dichlorobenzene	32.932	32.972	0.040	76570720	17.533	2191.577
1,4-Dichlorobenzene	33.221	33.261	0.040	81649280	17.579	2197.407
1,2-Dichlorobenzene	34.440	34.480	0.041	76894296	17.136	2141.964
Bromochloromethane(sur)	13.687	13.735	0.048	133159206	28.650	3581.191

304359

Subbatching E 10 16 98 / E 10 16 98 A Analysis: 8021e

DATE	DATAFILE ID	R S	SAMPLE	STD LOT	JOB	QA	UPB	f/u	W/V	DF	SUB List	Comment	ANALYST
10/16/98	Gold 9500	9	6STD020								601	G	KB
	9501	10	6STD010									NG	
	9502	11	6STD005	Stds								NG	
	9503	12	6STD005	V98-525								G	
	9504	13	6STD001	V98-527								G	
	9505	14	6STD040	V98-527								G	
	9506	15	6STD010									G	
	9507	16	66 289									G	
	9508	1	89301	BS	1052	3700	66 289		9.8 25ml	50x		G	
	9509	2	87303	V98-526	↓	↓	↓		9.53 25ml	↓		G	
	9510	15	6STD020A	V98-525								(matrix) G	
	9511	14	3699BS	SWW								NU ~~(OK)~~ G	MZB
	9512	15	BS	V98-525								~~NU~~ G	
	9513	16	66 289A									G	
	9514	1	66 281A									NU	
	9515	2	88551		11941	3699	66 281A		10.0 25ml	50x		G	
	9516		88552						10.2 25ml	1000x		G	
	9517		88553						9.8 25ml	50x		G	
	9518		88554						10.4 25ml			G	
	9519		88555						10.5 25ml			~~MCW 1.17~~ G	
	9520		88556						10.3 25ml			G	
	9521		88558						10.7 25ml			G	
	9522		88561						10.0 25ml			G	
	9523		88563						10.2 25ml			G	
	9524		88569						10.3 25ml	2500x		G	
	9525		6STD020									NG	
	9526		6STD020									G	

Signed: Kimberly Bolin Date: 10/16/98

Signed: _____ Date: _____

Reviewed By: _____ Date: _____

Continued on Page: _____

Notebook No. _____

Page _____ of _____

304360

Subdirectory: E101798 / E101798a Analysis: 8021e

DATE	DATAFILE ID	ALS	SAMPLE	STD LOT	JOB	QA	LIB	P/L	W/V	DF	Sub list	Comments	ANALYST
10/17/98	geld 9527	9	GSTD020				GG 290				601	G	M2B
	9528	10	BS									G	
	9529	11	GG 290									G	
	9530	9	88554mx	std	11941	3699						NG	
	9531	10	88554mx	V98-525								NG	
	9532	9	GStd 020a	V98-527								NU ~~[illegible]~~	
	9533	11	88555	V98-529	11941	3699			10.58 / 25mL	50X		NG	
	9534	12	88570						/ 25				
	9535	13	88664	BS	11950				/ 25			end check	
	9536	14	88665	V98-526					/ 25			did not pass	
	9537	15	88667	V98-528					/ 25	1000X			
	9538	16	88668						/ 25				
	9539	1	88669	Sub					/ 25	50X			
	9540	2	gstd 020a	V98-5[illegible]								G (new calibration)	
	9541	3	gstd 020a	V98-549								NG	
	9542	4	gstd 001a									NG	
	9543	5	gstd 001a									G	
	9544	6	gstd 005a									NG	
	9545	7	gstd 005a									G	
	9546	8	gstd 010a									NG	
	9547	9	gstd 040a									NG	
	9548	10	gstd 040a									G	
	9549	11	gstd 010a									G	

Melissa Bach 10/17/98

304361

Subbing date: 10/19/98 — Analysis: 8021E

DATE	DATAFILE ID	#	SAMPLE	STD CT	JOB	QA	LIB	P/H	WW	Subbed DF	~~DF~~	Comments	Analyst
10/19/98	gcld9551755	9	gcld020							601	601	G Nil	MZ
	9552 ~~7556~~	10	021									NG	
	9553 ~~7557~~	11	005									G	
	9554 ~~7558~~	12	cp									G	
	9555 ~~59~~	13	040									G	
	9556 ~~60~~	14	021	5ppbv								NG	
	9557 ~~61~~	15	001	VB 905								NG	
	9558 ~~62~~	9	gcld020									G (NAD clad)	
	9559	15	869185	Std								G	
	9560	16	869292	VB-[illegible]		2.99						G	
	9561	11	88570	VB-[illegible]	HP11	3647			10 3 ml 25ml		58X	G	
	9562	14	88[illegible]	VB-[illegible]	↓	3647			10 3 ml 25ml		58X	G	
	9563	15	gcld020									G	
	9564	16	88672	BS		5.99			10 3 ml 25ml		58X	G	
	9565	1	88669	VB 5.26	HP30	3664			10 3 ml 25ml			G	
	9566	2	88665	VB-5.26					10 3 ml 25ml		↓	G	
	9567	3	88667						10 3 ml 25ml		580X	NG (bad purge)	
	9568	4	88668						10 3 ml 25ml		↓	G	
	9569	5	88669						10 3 ml 25ml		50X	G	
	9570	6	88671						10 3 ml 25ml		1080X	G	
	9571	7	88674						10 3 ml 25ml		2500X	RL 1080X	
	9572	8	88675		↓	↓			10 3 ml 25ml		58X	G	
	9573	9	gcld020									G	
	9574	10	gcld020									Nil	
	9575	11	gcld020									Nil	

Melissa Beach 10-19-98

Signed

Date

304362

Client ID: **FB-1**
Site: **Klockner & Klockner**

Lab Sample No: 88548
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Aluminum	ND	58.2		P
Antimony	ND	4.6	N	P
Arsenic	ND	3.8		P
Barium	ND	1.4		P
Beryllium	ND	0.20		P
Cadmium	ND	0.40		P
Calcium	281	42.2	B	P
Chromium	1.8	1.0	BN	P
Cobalt	ND	1.2		P
Copper	ND	3.5		P
Iron	ND	41.5		P
Lead	ND	2.5	*	P
Magnesium	ND	40.3		P
Manganese	3.0	1.1	BN	P
Mercury	ND	0.10		CV
Nickel	ND	2.1		P
Potassium	328	300	B	P
Selenium	ND	4.8		P
Silver	ND	1.4		P
Sodium	ND	426		P
Thallium	ND	4.8		P
Vanadium	ND	1.9		P
Zinc	17.4	4.5	B	P

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

304363

Client ID: **SSNDS-1A 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88562
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 11.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	11200	13.1		P
Antimony	ND	1.0	N	P
Arsenic	7.2	0.85		P
Barium	152	0.31		P
Beryllium	0.63	0.045		P
Cadmium	ND	0.090		P
Calcium	5250	9.5		P
Chromium	22.9	0.22	N	P
Cobalt	7.5	0.27	B	P
Copper	69.9	0.79		P
Iron	31300	9.3		P
Lead	343	0.56	*	P
Magnesium	1950	9.1		P
Manganese	397	0.25	N	P
Mercury	0.65	0.019		CV
Nickel	15.3	0.47		P
Potassium	719	67.6	B	P
Selenium	ND	1.1		P
Silver	ND	0.31		P
Sodium	ND	95.8		P
Thallium	ND	1.1		P
Vanadium	35.2	0.43		P
Zinc	273	1.0		P

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

304364

Client ID: **SSNDS-2A 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88563
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	8370	13.1		P
Antimony	1.0	1.0	BN	P
Arsenic	3.4	0.86		P
Barium	80.6	0.32		P
Beryllium	0.43	0.045	B	P
Cadmium	0.15	0.090	B	P
Calcium	1180	9.5		P
Chromium	14.0	0.23	N	P
Cobalt	7.1	0.27	B	P
Copper	25.5	0.79		P
Iron	18200	9.3		P
Lead	75.7	0.56	*	P
Magnesium	1700	9.1		P
Manganese	216	0.25	N	P
Mercury	0.10	0.019		CV
Nickel	11.1	0.47		P
Potassium	399	67.6	B	P
Selenium	ND	1.1		P
Silver	ND	0.32		P
Sodium	ND	95.9		P
Thallium	ND	1.1		P
Vanadium	24.3	0.43		P
Zinc	195	1.0		P

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

304365

Client ID: **SSDSA-1 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88564
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 7.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	10600	12.6		P
Antimony	1.4	1.00	BN	P
Arsenic	5.0	0.82		P
Barium	222	0.30		P
Beryllium	0.56	0.043		P
Cadmium	0.76	0.087	B	P
Calcium	3580	9.1		P
Chromium	45.6	0.22	N	P
Cobalt	9.8	0.26	B	P
Copper	105	0.76		P
Iron	21600	9.0		P
Lead	344	0.54	*	P
Magnesium	2440	8.7		P
Manganese	419	0.24	N	P
Mercury	0.39	0.018		CV
Nickel	34.8	0.45		P
Potassium	1070	65.0	B	P
Selenium	ND	1.0		P
Silver	0.40	0.30	B	P
Sodium	ND	92.2		P
Thallium	ND	1.0		P
Vanadium	35.2	0.41		P
Zinc	408	0.97		P

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

304366

Client ID: **SSFS-1 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88565
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	7590	13.0		P
Antimony	ND	1.0	N	P
Arsenic	3.7	0.85		P
Barium	252	0.31		P
Beryllium	0.43	0.045	B	P
Cadmium	0.78	0.090	B	P
Calcium	9660	9.5		P
Chromium	32.1	0.22	N	P
Cobalt	8.2	0.27	B	P
Copper	215	0.78		P
Iron	19500	9.3		P
Lead	471	0.56	*	P
Magnesium	2610	9.0		P
Manganese	298	0.25	N	P
Mercury	0.35	0.019		CV
Nickel	18.8	0.47		P
Potassium	979	67.3	B	P
Selenium	ND	1.1		P
Silver	0.72	0.31	B	P
Sodium	ND	95.5		P
Thallium	ND	1.1		P
Vanadium	32.4	0.43		P
Zinc	371	1.0		P

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

304367

Client ID: **SSCB-1 2-2.5**
Site: **Klockner & Klockner**

Lab Sample No: 88566
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 12.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	8660	13.2		P
Antimony	ND	1.0	N	P
Arsenic	2.6	0.86		P
Barium	73.9	0.32		P
Beryllium	0.63	0.046		P
Cadmium	0.33	0.091	B	P
Calcium	3320	9.6		P
Chromium	26.4	0.23	N	P
Cobalt	8.3	0.27	B	P
Copper	36.9	0.80		P
Iron	19200	9.4		P
Lead	104	0.57	*	P
Magnesium	3150	9.2		P
Manganese	259	0.25	N	P
Mercury	0.05	0.019		CV
Nickel	14.9	0.48		P
Potassium	1110	68.3	B	P
Selenium	ND	1.1		P
Silver	ND	0.32		P
Sodium	147	96.9	B	P
Thallium	ND	1.1		P
Vanadium	53.8	0.43		P
Zinc	131	1.0		P

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

304368

Client ID: SSWT-1 7-7.5
Site: Klockner & Klockner

Lab Sample No: 88567
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 3.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	4910	12.1		P
Antimony	ND	0.96	N	P
Arsenic	3.2	0.79		P
Barium	20.0	0.29	B	P
Beryllium	0.46	0.042		P
Cadmium	ND	0.083		P
Calcium	622	8.8	B	P
Chromium	8.7	0.21	N	P
Cobalt	4.1	0.25	B	P
Copper	13.8	0.73		P
Iron	16500	8.6		P
Lead	10.1	0.52	*	P
Magnesium	1620	8.4		P
Manganese	84.5	0.23	N	P
Mercury	0.08	0.017		CV
Nickel	8.6	0.44		P
Potassium	326	62.5	B	P
Selenium	ND	1.00		P
Silver	ND	0.29		P
Sodium	ND	88.7		P
Thallium	ND	1.00		P
Vanadium	14.7	0.40		P
Zinc	63.6	0.94		P

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

304369

BLANKS

Lab Name: ENVIROTECH_RESEARCH_INC._

Lab Code: 12543_ Lab Job No.: _H941 Batch No.: 7026__

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	63.0	B	58.2	U	58.2	U	58.2	U	5.820	U	P
Antimony	4.6	U	4.6	U	4.6	U	4.6	U	0.460	U	P
Arsenic	3.8	U	3.8	U	3.8	U	3.8	U	0.380	U	P
Barium	2.8	B	1.7	B	1.6	B	1.6	B	0.140	U	P
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U	0.020	U	P
Cadmium	1.0	B	0.6	B	0.5	B	0.5	B	0.040	U	P
Calcium	42.2	U	42.2	U	42.2	U	42.2	U	9.630	B	P
Chromium	1.4	B	1.1	B	1.0	U	1.0	U	0.529	B	P
Cobalt	1.2	U	1.2	U	1.2	U	1.2	U	0.120	U	P
Copper	5.1	B	3.5	B	3.6	B	3.6	B	0.459	B	P
Iron	45.5	B	53.5	B	43.0	B	49.5	B	5.912	B	P
Lead	3.1	B	2.5	U	2.6	B	2.5	U	0.250	U	P
Magnesium	40.3	U	40.3	U	40.3	U	40.3	U	4.030	U	P
Manganese	1.4	B	1.1	U	1.1	U	1.1	U	0.110	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV
Nickel	2.1	U	2.1	U	2.1	U	2.1	U	0.210	U	P
Potassium	300.3	U	300.3	U	300.3	U	300.3	U	30.030	U	P
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	0.480	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	0.140	U	P
Sodium	-537.6	B	-994.6	B	-1272.6	B	-978.1	B	-58.011	B	P
Thallium	4.8	U	5.5	B	5.8	B	4.8	U	0.480	U	P
Vanadium	1.9	U	1.9	U	1.9	U	1.9	U	0.190	U	P
Zinc	4.5	U	4.5	U	4.5	U	4.5	U	0.450	U	P
Molybdenu	4.4	B	3.5	B	2.6	B	2.5	B	0.260	B	P

304370

BLANKS

Lab Name: ENVIROTECH_RESEARCH_INC._ _____

Lab Code: 12543_ Lab Job No.: _H941 _____ Batch No.: 7026__

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			105.8	B	113.6	B					P
Antimony			4.6	U	4.6	U					P
Arsenic			3.8	U	3.8	U					P
Barium			1.5	B	1.4	B					P
Beryllium			0.2	U	0.2	U					P
Cadmium			0.4	B	0.5	B					P
Calcium			42.2	U	42.2	U					P
Chromium			1.0	U	1.7	B					P
Cobalt			1.2	U	1.2	U					P
Copper			3.5	U	3.9	B					P
Iron			46.3	B	55.2	B					P
Lead			2.5	U	2.5	U					P
Magnesium			49.6	B	45.4	B					P
Manganese			1.1	U	1.1	U					P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel			2.1	U	2.1	U					P
Potassium			300.3	U	300.3	U					P
Selenium			4.8	U	4.8	U					P
Silver			1.4	U	1.4	U					P
Sodium			-881.4	B	-900.4	B					P
Thallium			4.8	U	4.8	U					P
Vanadium			1.9	U	1.9	U					P
Zinc			4.5	U	4.5	U					P
Molybdenu			2.8	B	2.3	B					P

304371

BLANKS

Lab Name: ENVIROTECH_RESEARCH_INC._ _____

Lab Code: 12543_ Lab Job No.: _H941 _____ Batch No.: 7026__

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	58.2	U	58.2	U	58.2	U	58.2	U			P
Antimony	4.6	U	4.6	U	4.6	U	4.6	U			P
Arsenic	3.8	U	3.8	U	3.8	U	3.8	U			P
Barium	1.4	U	1.4	U	1.4	U	1.4	U			P
Beryllium	0.2	U	0.2	U	0.2	U	0.2	U			P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U			P
Calcium	42.2	U	42.2	U	42.2	U	42.2	U			P
Chromium	1.0	U	1.0	U	1.0	U	1.0	U			P
Cobalt	1.2	U	1.2	U	1.2	U	1.2	U			P
Copper	3.5	U	3.5	U	3.5	U	3.5	U			P
Iron	41.5	U	41.5	U	41.5	U	41.5	U			P
Lead	2.5	U	2.5	U	2.5	U	2.5	U			P
Magnesium	40.3	U	40.3	U	40.3	U	40.3	U			P
Manganese	1.1	U	1.1	U	1.1	U	1.1	U			P
Mercury			0.1	U	0.1	U	0.1	U			CV
Nickel	2.1	U	2.1	U	2.1	U	2.1	U			P
Potassium	300.3	U	300.3	U	300.3	U	300.3	U			P
Selenium	4.8	U	4.8	U	4.8	U	4.8	U			P
Silver	1.4	U	1.4	U	1.4	U	1.4	U			P
Sodium	426.0	U	-737.3	B	426.0	U	-486.2	B			P
Thallium	4.8	U	4.8	U	4.8	U	4.8	U			P
Vanadium	1.9	U	1.9	U	1.9	U	1.9	U			P
Zinc	4.5	U	4.5	U	4.5	U	4.5	U			P
Molybdenu											NR

304372

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ENVIROTECH_RESEARCH_INC._ _____

Lab Code: 12543_ Lab Job No.: H941 _____ Batch No.: 7026__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	250000.0	248298.0	99.3	250000.0	246897.6	98.8	244414.9	97.8	P
Antimony	1000.0	974.96	97.5	1000.0	993.26	99.3	971.19	97.1	P
Arsenic	5000.0	4839.58	96.8	5000.0	5000.59	100.0	4882.23	97.6	P
Barium	10000.0	9910.83	99.1	10000.0	9949.88	99.5	9888.38	98.9	P
Beryllium	1000.0	963.51	96.4	1000.0	996.59	99.7	967.50	96.8	P
Cadmium	2500.0	2386.84	95.5	2500.0	2469.89	98.8	2378.11	95.1	P
Calcium	125000.0	119814.0	95.9	125000.0	123212.6	98.6	119000.1	95.2	P
Chromium	5000.0	4817.31	96.3	5000.0	4947.07	98.9	4804.82	96.1	P
Cobalt	2500.0	2400.33	96.0	2500.0	2447.15	97.9	2365.97	94.6	P
Copper	12500.0	12348.52	98.8	12500.0	12466.15	99.7	12468.14	99.7	P
Iron	100000.0	95472.15	95.5	100000.0	95444.33	95.4	91744.23	91.7	P
Lead	10000.0	9583.65	95.8	10000.0	9875.79	98.8	9525.74	95.3	P
Magnesium	125000.0	120125.8	96.1	125000.0	123074.4	98.5	119032.9	95.2	P
Manganese	5000.0	4851.38	97.0	5000.0	4978.42	99.6	4855.30	97.1	P
Mercury	5.0	4.99	99.8	5.0	4.91	98.2	4.84	96.8	CV
Nickel	2500.0	2400.42	96.0	2500.0	2469.36	98.8	2388.94	95.6	P
Potassium	50000.0	47043.95	94.1	50000.0	47093.43	94.2	46900.68	93.8	P
Selenium	5000.0	4855.40	97.1	5000.0	4980.29	99.6	4901.94	98.0	P
Silver	1250.0	1230.16	98.4	1250.0	1284.49	102.8	1291.25	103.3	P
Sodium	125000.0	120283.6	96.2	125000.0	118594.4	94.9	118779.7	95.0	P
Thallium	5000.0	4855.22	97.1	5000.0	4943.42	98.9	4817.84	96.4	P
Vanadium	2500.0	2434.24	97.4	2500.0	2509.16	100.4	2460.26	98.4	P
Zinc	2500.0	2421.49	96.9	2500.0	2481.21	99.2	2420.25	96.8	P
Molybdenu	2500.0	2428.79	97.2	2500.0	2478.42	99.1	2418.87	96.8	P

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

304373

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ENVIROTECH_RESEARCH_INC._

Lab Code: 12543_ Lab Job No.: H941 Batch No.: 7026__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				250000.0	249545.8	99.8	252366.7	100.9	P
Antimony				1000.0	996.10	99.6	1001.71	100.2	P
Arsenic				5000.0	4978.02	99.6	4982.39	99.6	P
Barium				10000.0	10121.26	101.2	10279.49	102.8	P
Beryllium				1000.0	985.32	98.5	982.64	98.3	P
Cadmium				2500.0	2412.38	96.5	2384.09	95.4	P
Calcium				125000.0	120942.5	96.8	119020.8	95.2	P
Chromium				5000.0	4893.52	97.9	4869.20	97.4	P
Cobalt				2500.0	2399.88	96.0	2377.78	95.1	P
Copper				12500.0	12791.77	102.3	13105.08	104.8	P
Iron				100000.0	92317.12	92.3	90595.74	90.6	P
Lead				10000.0	9703.12	97.0	9591.58	95.9	P
Magnesium				125000.0	121014.0	96.8	119626.4	95.7	P
Manganese				5000.0	4948.86	99.0	4944.26	98.9	P
Mercury				5.0	4.85	97.0	4.81	96.2	CV
Nickel				2500.0	2431.73	97.3	2408.89	96.4	P
Potassium				50000.0	48188.52	96.4	49151.02	98.3	P
Selenium				5000.0	5001.98	100.0	4997.28	99.9	P
Silver				1250.0	1262.19	101.0	1278.70	102.3	P
Sodium				125000.0	121555.7	97.2	122518.0	98.0	P
Thallium				5000.0	4903.55	98.1	4879.26	97.6	P
Vanadium				2500.0	2516.75	100.7	2531.70	101.3	P
Zinc				2500.0	2464.10	98.6	2466.26	98.7	P
Molybdenu				2500.0	2467.88	98.7	2470.65	98.8	P

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

304374

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ENVIROTECH_RESEARCH_INC._

Lab Code: 12543_ Lab Job No.: H941 Batch No.: 7026__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				250000.0	250699.8	100.3			P
Antimony				1000.0	995.44	99.5			P
Arsenic				5000.0	4959.10	99.2			P
Barium				10000.0	10058.30	100.6			P
Beryllium				1000.0	971.65	97.2			P
Cadmium				2500.0	2365.84	94.6			P
Calcium				125000.0	117724.5	94.2			P
Chromium				5000.0	4822.00	96.4			P
Cobalt				2500.0	2344.80	93.8			P
Copper				12500.0	13129.34	105.0			P
Iron				100000.0	87289.91	87.3			P
Lead				10000.0	9516.05	95.2			P
Magnesium				125000.0	118293.6	94.6			P
Manganese				5000.0	4904.33	98.1			P
Mercury				5.0	4.77	95.4	4.72	94.4	CV
Nickel				2500.0	2375.06	95.0			P
Potassium				50000.0	48828.09	97.7			P
Selenium				5000.0	4989.53	99.8			P
Silver				1250.0	1271.57	101.7			P
Sodium				125000.0	122704.9	98.2			P
Thallium				5000.0	4810.08	96.2			P
Vanadium				2500.0	2522.73	100.9			P
Zinc				2500.0	2476.09	99.0			P
Molybdenu				2500.0	2445.07	97.8			P

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

304375

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ENVIROTECH_RESEARCH_INC._ _____

Lab Code: 12543_ Lab Job No.: H941 _____ Batch No.: 7026__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	250000.0	255040.4	102.0	250000.0	254434.3	101.8	254081.1	101.6	P
Antimony	1000.0	1015.30	101.5	1000.0	1018.45	101.8	1023.28	102.3	P
Arsenic	5000.0	4909.12	98.2	5000.0	4973.90	99.5	5002.65	100.1	P
Barium	10000.0	10273.16	102.7	10000.0	10340.00	103.4	10298.73	103.0	P
Beryllium	1000.0	976.26	97.6	1000.0	990.41	99.0	990.73	99.1	P
Cadmium	2500.0	2498.97	100.0	2500.0	2541.55	101.7	2547.33	101.9	P
Calcium	125000.0	126941.8	101.6	125000.0	128559.0	102.8	128534.1	102.8	P
Chromium	5000.0	5217.14	104.3	5000.0	5286.63	105.7	5296.34	105.9	P
Cobalt	2500.0	2527.91	101.1	2500.0	2554.87	102.2	2551.07	102.0	P
Copper	12500.0	12884.05	103.1	12500.0	12949.80	103.6	13023.01	104.2	P
Iron	100000.0	100235.5	100.2	100000.0	100971.8	101.0	99711.06	99.7	P
Lead	10000.0	10026.45	100.3	10000.0	10172.54	101.7	10204.90	102.0	P
Magnesium	125000.0	126768.7	101.4	125000.0	128573.3	102.9	128243.8	102.6	P
Manganese	5000.0	5134.47	102.7	5000.0	5195.19	103.9	5207.82	104.2	P
Mercury				5.0	4.71	94.2	4.69	93.8	CV
Nickel	2500.0	2505.44	100.2	2500.0	2535.51	101.4	2534.47	101.4	P
Potassium	50000.0	48500.47	97.0	50000.0	48747.68	97.5	49099.09	98.2	P
Selenium	5000.0	4747.69	95.0	5000.0	4812.51	96.3	4832.34	96.6	P
Silver	1250.0	1263.08	101.0	1250.0	1269.23	101.5	1270.29	101.6	P
Sodium	125000.0	123816.6	99.1	125000.0	123022.7	98.4	123245.0	98.6	P
Thallium	5000.0	4943.45	98.9	5000.0	4993.58	99.9	4995.86	99.9	P
Vanadium	2500.0	2555.67	102.2	2500.0	2585.87	103.4	2596.78	103.9	P
Zinc	2500.0	2525.63	101.0	2500.0	2550.82	102.0	2559.67	102.4	P
Molybdenu									NR

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

304376

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: ENVIROTECH_RESEARCH_INC._

Lab Code: 12543_ Lab Job No.: H941 Batch No.: 7026__

Initial Calibration Source: INORG VENT__

Continuing Calibration Source: INORG VENT__

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				250000.0	238257.5	95.3			P
Antimony				1000.0	972.33	97.2			P
Arsenic				5000.0	4796.36	95.9			P
Barium				10000.0	9690.82	96.9			P
Beryllium				1000.0	950.14	95.0			P
Cadmium				2500.0	2449.96	98.0			P
Calcium				125000.0	123700.7	99.0			P
Chromium				5000.0	5047.84	101.0			P
Cobalt				2500.0	2446.73	97.9			P
Copper				12500.0	12035.87	96.3			P
Iron				100000.0	95598.52	95.6			P
Lead				10000.0	9807.99	98.1			P
Magnesium				125000.0	123329.8	98.7			P
Manganese				5000.0	4956.58	99.1			P
Mercury				5.0	4.71	94.2			CV
Nickel				2500.0	2431.96	97.3			P
Potassium				50000.0	45534.16	91.1			P
Selenium				5000.0	4608.37	92.2			P
Silver				1250.0	1194.26	95.5			P
Sodium				125000.0	114206.6	91.4			P
Thallium				5000.0	4818.92	96.4			P
Vanadium				2500.0	2464.71	98.6			P
Zinc				2500.0	2434.51	97.4			P
Molybdenu									NR

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

304377

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ENVIROTECH_RESEARCH_INC._ _____

Lab Code: 12543_ Lab Job No.: _H941 _____ Batch No.: 7026__

ICP ID Number: TRACE1 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum_	500000	_500000	_516949	_511133.4	102.2	_494328	_508885.1	101.8
Antimony_		100		100.6	100.6		101.8	101.8
Arsenic__		100		97.8	97.8		99.1	99.1
Barium___		100		114.6	114.6		115.2	115.2
Beryllium		100		98.9	98.9		98.2	98.2
Cadmium__		100		92.6	92.6		91.7	91.7
Calcium__	500000	_500000	_473219	_458324.5	91.7	_435621	_445856.4	89.2
Chromium_		100		100.4	100.4		98.9	98.9
Cobalt___		100		98.0	98.0		94.3	94.3
Copper___		100		109.0	109.0		112.3	112.3
Iron_____	200000	_200000	_194577	_193510.8	96.8	_172693	_175467.6	87.7
Lead_____		100		99.0	99.0		95.5	95.5
Magnesium	500000	_500000	_525290	_512031.9	102.4	_484064	_496371.4	99.3
Manganese		100		102.0	102.0		102.1	102.1
Mercury__								
Nickel___		100		96.7	96.7		94.2	94.2
Potassium		10000		10653.8	106.5		10854.3	108.5
Selenium_		100		101.0	101.0		92.7	92.7
Silver___		100		107.7	107.7		109.3	109.3
Sodium___		10000		11353.3	113.5		11438.2	114.4
Thallium_		100		100.8	100.8		93.0	93.0
Vanadium_		100		104.6	104.6		106.4	106.4
Zinc_____		100		103.6	103.6		105.7	105.7

304378

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ENVIROTECH_RESEARCH_INC._ _____

Lab Code: 12543_ Lab Job No.: _H941 _____ Batch No.: 7026__

ICP ID Number: TRACE1 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000				481967	490770.1	98.2
Antimony		100					97.0	97.0
Arsenic		100					93.4	93.4
Barium		100					110.6	110.6
Beryllium		100					93.9	93.9
Cadmium		100					88.0	88.0
Calcium	500000	500000				418582	426608.0	85.3
Chromium		100					94.5	94.5
Cobalt		100					90.5	90.5
Copper		100					108.0	108.0
Iron	200000	200000				162167	167090.4	83.5
Lead		100					91.9	91.9
Magnesium	500000	500000				465745	475898.7	95.2
Manganese		100					97.8	97.8
Mercury								
Nickel		100					90.9	90.9
Potassium		10000					10450.1	104.5
Selenium		100					83.6	83.6
Silver		100					105.5	105.5
Sodium		10000					11078.8	110.8
Thallium		100					86.2	86.2
Vanadium		100					102.2	102.2
Zinc		100					101.4	101.4

304379

ICP INTERFERENCE CHECK SAMPLE

Lab Name: ENVIROTECH_RESEARCH_INC._ _____

Lab Code: 12543_ Lab Job No.: _H941 _____ Batch No.: 7026__

ICP ID Number: TRACE1 TJA61 ICS Source: INORG VENT__

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	477223	489572.7	97.9	487489	481795.7	96.4
Antimony		100		95.2	95.2		95.2	95.2
Arsenic		100		96.7	96.7		101.4	101.4
Barium		100		107.0	107.0		105.1	105.1
Beryllium		100		96.0	96.0		97.9	97.9
Cadmium		100		93.0	93.0		94.8	94.8
Calcium	500000	500000	444252	450475.2	90.1	465055	460850.1	92.2
Chromium		100		96.2	96.2		97.5	97.5
Cobalt		100		94.3	94.3		95.7	95.7
Copper		100		98.3	98.3		96.1	96.1
Iron	200000	200000	180309	187871.8	93.9	190454	186445.1	93.2
Lead		100		91.8	91.8		95.3	95.3
Magnesium	500000	500000	493093	500931.5	100.2	515124	510094.8	102.0
Manganese		100		97.2	97.2		98.4	98.4
Mercury								
Nickel		100		93.5	93.5		95.3	95.3
Potassium		10000		10336.4	103.4		10251.5	102.5
Selenium		100		94.8	94.8		91.6	91.6
Silver		100		101.8	101.8		100.5	100.5
Sodium		10000		11429.6	114.3		11123.1	111.2
Thallium		100		93.3	93.3		96.8	96.8
Vanadium		100		101.0	101.0		102.1	102.1
Zinc		100		98.7	98.7		100.1	100.1

304380

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

BSS101298

Lab Name: ENVIROTECH RESEARCH INC.

Lab Code: 12543 Lab Job No.: H941 Batch No.: 7026

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

% Solids for Sample: 100.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	173.6324		5.8200	U	200.00	86.8		P
Antimony	75-125	41.5708		0.4600	U	50.00	83.1		P
Arsenic	75-125	161.5859		0.3800	U	200.00	80.8		P
Barium	75-125	174.0582		0.1400	U	200.00	87.0		P
Beryllium	75-125	4.3969		0.0200	U	5.00	87.9		P
Cadmium	75-125	4.4310		0.0400	U	5.00	88.6		P
Calcium	75-125	1744.1016		9.6300	B	2000.00	86.7		P
Chromium	75-125	17.8306		0.5286	B	20.00	86.5		P
Cobalt	75-125	43.9475		0.1200	U	50.00	87.9		P
Copper	75-125	21.5322		0.4593	B	25.00	84.3		P
Iron	75-125	90.6593		5.9125	B	100.00	84.7		P
Lead	75-125	43.3360		0.2500	U	50.00	86.7		P
Magnesium	75-125	1676.0988		4.0300	U	2000.00	83.8		P
Manganese	75-125	43.4700		0.1100	U	50.00	86.9		P
Mercury	75-125	0.1750		0.0167	U	0.17	102.9		CV
Nickel	75-125	43.7733		0.2100	U	50.00	87.5		P
Potassium	75-125	1551.3532		30.0300	U	2000.00	77.6		P
Selenium	75-125	170.5772		0.4800	U	200.00	85.3		P
Silver	75-125	4.2470		0.1400	U	5.00	84.9		P
Sodium	75-125	1747.0949		42.6000	U	2000.00	87.4		P
Thallium	75-125	173.8333		0.4800	U	200.00	86.9		P
Vanadium	75-125	43.6153		0.1900	U	50.00	87.2		P
Zinc	75-125	43.9810		0.4500	U	50.00	88.0		P
Molybdenu	75-125	45.1258		0.2603	B	50.00	89.7		P

Comments:

304381

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

88244MS

Lab Name: ENVIROTECH_RESEARCH_INC.

Lab Code: 12543 Lab Job No.: H941 Batch No.: 7026

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

% Solids for Sample: 82.5

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		16456.3363		9869.4385		235.36	2798.6		P
Antimony	75-125	28.3361		1.0723	U	58.84	48.2	N	P
Arsenic	75-125	217.5772		3.2373		235.36	91.1		P
Barium	75-125	287.5326		42.9897	B	235.36	103.9		P
Beryllium	75-125	6.4927		0.4117	B	5.88	103.4		P
Cadmium	75-125	5.6414		0.0932	U	5.88	95.9		P
Calcium	75-125	2944.7169		548.5385	B	2353.63	101.8		P
Chromium	75-125	49.5454		16.6091		23.54	139.9	N	P
Cobalt	75-125	63.7435		3.0112	B	58.84	103.2		P
Copper	75-125	37.2851		6.3636		29.42	105.1		P
Iron		18156.1709		13089.5469		117.68	4305.4		P
Lead	75-125	72.3326		16.9834		58.84	94.1		P
Magnesium	75-125	4238.1206		1398.3604		2353.63	120.7		P
Manganese	75-125	127.1303		53.5490		58.84	125.1	N	P
Mercury	75-125	0.2404		0.0267	B	0.20	106.8		CV
Nickel	75-125	68.8981		5.9734	B	58.84	106.9		P
Potassium	75-125	2586.9828		260.4783	B	2353.63	98.8		P
Selenium	75-125	225.9538		1.1189	U	235.36	96.0		P
Silver	75-125	5.8307		0.3263	U	5.88	99.2		P
Sodium	75-125	2579.8451		99.3007	U	2353.63	109.6		P
Thallium	75-125	234.1133		1.1189	U	235.36	99.5		P
Vanadium	75-125	89.8815		24.0235		58.84	111.9		P
Zinc	75-125	83.6107		17.3077		58.84	112.7		P
Molybdenu	75-125	58.4400		0.6671	B	58.84	98.2		P

Comments:

304382

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

88244MSD

Lab Name: ENVIROTECH_RESEARCH_INC.

Lab Code: 12543 Lab Job No.: H941 Batch No.: 7026

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

% Solids for Sample: 82.5

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		13639.7616		9869.4385		237.67	1586.4		P
Antimony	75-125	27.3531		1.0723	U	59.42	46.0	N	P
Arsenic	75-125	216.0404		3.2373		237.67	89.5		P
Barium	75-125	281.0370		42.9897	B	237.67	100.2		P
Beryllium	75-125	6.4166		0.4117	B	5.94	101.1		P
Cadmium	75-125	5.6100		0.0932	U	5.94	94.4		P
Calcium	75-125	2936.9048		548.5385	B	2376.71	100.5		P
Chromium	75-125	45.2292		16.6091		23.77	120.4		P
Cobalt	75-125	62.4276		3.0112	B	59.42	100.0		P
Copper	75-125	36.2177		6.3636		29.71	100.5		P
Iron		15776.5338		13089.5469		118.84	2261.0		P
Lead	75-125	71.6052		16.9834		59.42	91.9		P
Magnesium	75-125	3995.3386		1398.3604		2376.71	109.3		P
Manganese	75-125	120.0656		53.5490		59.42	111.9		P
Mercury	75-125	0.2323		0.0267	B	0.20	102.8		CV
Nickel	75-125	66.6096		5.9734	B	59.42	102.0		P
Potassium	75-125	2379.0248		260.4783	B	2376.71	89.1		P
Selenium	75-125	223.2166		1.1189	U	237.67	93.9		P
Silver	75-125	5.6074		0.3263	U	5.94	94.4		P
Sodium	75-125	2520.1640		99.3007	U	2376.71	106.0		P
Thallium	75-125	233.4976		1.1189	U	237.67	98.2		P
Vanadium	75-125	86.2545		24.0235		59.42	104.7		P
Zinc	75-125	79.1330		17.3077		59.42	104.0		P
Molybdenu	75-125	58.8283		0.6671	B	59.42	97.9		P

Comments:

304383

LAB SAMPLE NO.

DUPLICATES

LCSS238AD

Lab Name: ENVIROTECH_RESEARCH_INC.

Lab Code: 12543 Lab Job No.: H941 Batch No.: 7026

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		4269.3852		4627.1398		8.0		P
Antimony		64.5914		70.8014		9.2		P
Arsenic		62.6912		68.8620		9.4		P
Barium	20.0	90.0090		96.4984		7.0		P
Beryllium		35.7396		38.4488		7.3		P
Cadmium		61.0954		65.2978		6.6		P
Calcium	500.0	1793.4020		1931.2782		7.4		P
Chromium		68.0144		73.6284		7.9		P
Cobalt		101.7634		108.4172		6.3		P
Copper		56.7016		61.5248		8.2		P
Iron		8948.5422		9741.6516		8.5		P
Lead		127.3906		136.6806		7.0		P
Magnesium	500.0	1477.3254		1587.3416		7.2		P
Manganese		196.6014		212.6548		7.8		P
Mercury		1.0600		1.0467		1.3		CV
Nickel		108.2602		116.2200		7.1		P
Potassium		2831.7446		3038.6594		7.0		P
Selenium		82.6352		89.7860		8.3		P
Silver		111.0082		119.4242		7.3		P
Sodium	500.0	904.0806	B	951.4242	B	5.1		P
Thallium		114.6450		124.0170		7.9		P
Vanadium		49.5610		54.6266		9.7		P
Zinc		70.8102		76.2020		7.3		P
Molybdenu		73.1348		79.9364		8.9		P

304384

LAB SAMPLE NO.

DUPLICATES

88244D

Lab Name: ENVIROTECH_RESEARCH_INC.

Lab Code: 12543 Lab Job No.: H941 Batch No.: 7026

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

% Solids for Sample: 82.5 % Solids for Duplicate: 82.5

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		9869.4385		11503.9148		15.3		P
Antimony		1.0723	U	1.0827	U			P
Arsenic		3.2373		3.7997		16.0		P
Barium	23.3	42.9897	B	45.3300	B	5.3		P
Beryllium	0.2	0.4117	B	0.4559	B	10.2		P
Cadmium		0.0932	U	0.0941	U			P
Calcium	582.8	548.5385	B	595.7936	B	8.3		P
Chromium		16.6091		19.3219		15.1		P
Cobalt		3.0112	B	3.4182	B	12.7		P
Copper	2.9	6.3636		7.7846		20.1		P
Iron		13089.5468		15791.9976		18.7		P
Lead		16.9834		13.1234		25.6	*	P
Magnesium	582.8	1398.3604		1564.7056		11.2		P
Manganese		53.5490		56.9930		6.2		P
Mercury		0.0267	B	0.0335	B	22.6		CV
Nickel	4.7	5.9734	B	6.9959	B	15.8		P
Potassium		260.4783	B	334.8098	B	25.0		P
Selenium		1.1189	U	1.1297	U			P
Silver		0.3263	U	0.3295	U			P
Sodium		99.3007	U	133.0370	B	200.0		P
Thallium		1.1189	U	1.1297	U			P
Vanadium	5.8	24.0235		28.7169		17.8		P
Zinc	3.5	17.3077		18.6170		7.3		P
Molybdenu		0.6671	B	0.7339	B	9.5		P

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LAB SAMPLE NO.

DUPLICATES

88244MS/MS

Lab Name: ENVIROTECH_RESEARCH_INC.

Lab Code: 12543 Lab Job No.: H941 Batch No.: 7026

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

% Solids for Sample: 82.5 % Solids for Duplicate: 82.5

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		16456.3363		13639.7616		18.7		P
Antimony		28.3361		27.3531		3.5		P
Arsenic		217.5772		216.0404		0.7		P
Barium		287.5326		281.0370		2.3		P
Beryllium		6.4927		6.4166		1.2		P
Cadmium		5.6414		5.6100		0.6		P
Calcium	588.4	2944.7169		2936.9048		0.3		P
Chromium		49.5454		45.2292		9.1		P
Cobalt		63.7435		62.4276		2.1		P
Copper		37.2851		36.2177		2.9		P
Iron		18156.1709		15776.5338		14.0		P
Lead		72.3326		71.6052		1.0		P
Magnesium		4238.1206		3995.3386		5.9		P
Manganese		127.1303		120.0656		5.7		P
Mercury		0.2404		0.2323		3.4		CV
Nickel		68.8981		66.6096		3.4		P
Potassium	588.4	2586.9828		2379.0248		8.4		P
Selenium		225.9538		223.2166		1.2		P
Silver	1.2	5.8307		5.6074		3.9		P
Sodium	588.4	2579.8451		2520.1640		2.3		P
Thallium		234.1133		233.4976		0.3		P
Vanadium		89.8815		86.2545		4.1		P
Zinc		83.6107		79.1330		5.5		P
Molybdenu		58.4400		58.8283		0.7		P

304386

LABORATORY CONTROL SAMPLE

Lab Name: ENVIROTECH_RESEARCH_INC._

Lab Code: 12543_ Lab Job No.: __H941 Batch No.: 7026__

Solid LCS Source: ERA_____

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				5370.0	4269.4		2850.0	7890.0	79.5
Antimony				59.6	64.6		12.0	107.0	108.4
Arsenic				67.1	62.7		41.4	92.7	93.4
Barium				106.0	90.0		59.7	152.0	84.9
Beryllium				41.6	35.7		29.2	53.9	85.8
Cadmium				71.1	61.1		39.3	103.0	85.9
Calcium				2250.0	1793.4		1210.0	3290.0	79.7
Chromium				76.4	68.0		53.0	99.9	89.0
Cobalt				116.0	101.8		73.0	158.0	87.8
Copper				63.9	56.7		39.4	88.5	88.7
Iron				8070.0	8948.5		3470.0	12700.0	110.9
Lead				147.0	127.4		88.1	206.0	86.7
Magnesium				1830.0	1477.3		1160.0	2500.0	80.7
Manganese				225.0	196.6		145.0	305.0	87.4
Mercury				1.3	1.1		0.7	2.0	84.6
Nickel				120.0	108.3		80.6	160.0	90.2
Potassium				4010.0	2831.7		2340.0	5680.0	70.6
Selenium				93.7	82.6		61.3	126.0	88.2
Silver				131.0	111.0		74.1	188.0	84.7
Sodium				1050.0	904.1	B	540.0	1560.0	86.1
Thallium				129.0	114.6		73.8	184.0	88.8
Vanadium				56.9	49.6		38.8	75.0	87.2
Zinc				83.0	70.8		50.7	115.0	85.3
Molybdenu				77.8	73.1		51.3	104.0	94.0

304387

LAB SAMPLE NO.

ICP SERIAL DILUTION

88244L

Lab Name: ENVIROTECH_RESEARCH_INC.

Lab Code: 12543 Lab Job No.: H941 Batch No.: 7026

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	42339.89		42822.41		1.1		P
Antimony	4.60	U	23.00	U			P
Arsenic	13.89		19.00	U	100.0		P
Barium	184.43	B	188.08	B	2.0		P
Beryllium	1.77	B	2.02	B	14.1		P
Cadmium	0.40	U	2.00	U			P
Calcium	2353.23	B	2465.66	B	4.8		P
Chromium	71.25		73.32		2.9		P
Cobalt	12.92	B	12.68	B	1.9		P
Copper	27.30		41.24	B	51.1		P
Iron	56154.16		57328.76		2.1		P
Lead	72.86		76.26		4.7		P
Magnesium	5998.97		6222.05	B	3.7		P
Manganese	229.72		233.57		1.7		P
Mercury							NR
Nickel	25.63	B	27.00	B	5.3		P
Potassium	1117.45	B	2022.04	B	81.0		P
Selenium	4.80	U	24.00	U			P
Silver	1.40	U	7.00	U			P
Sodium	426.00	U	2130.00	U			P
Thallium	4.80	U	24.00	U			P
Vanadium	103.06		104.12	B	1.0		P
Zinc	74.25		77.52	B	4.4		P

304388

ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 10/13/98 End Date: 10/13/98

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	MO
D1-BLANK	1.00	0944		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
STD2	1.00	0950		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
STD3	1.00	0955		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
STD4	1.00	1000		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1007																									
ICV/CCV	1.00	1013		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ICB/CCB	1.00	1018		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ICSA	1.00	1023		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ICSAB	1.00	1029		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1034																									
MCL	1.00	1041																									
SS101298	1.00	1047		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
BS101298	1.00	1052		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
LCSS238A	2.00	1057		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
CSS238AD	2.00	1103		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
88244D	2.00	1108		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
88244	2.00	1113		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1119		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
CCB	1.00	1124		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
88244L	2.00	1129		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
88244MS	2.00	1135		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
88244MSD	2.00	1140		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	2.00	1145																									
89253	2.00	1151		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_
89254	2.00	1156		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	_	X	X	_	X	X	_
89255	2.00	1201		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	_	X	X	X	X	X	_
88243	2.00	1207		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
88245	2.00	1212		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
88246	2.00	1217		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV	1.00	1223		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
CCB	1.00	1228		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
88248	2.00	1233		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

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ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 10/13/98 End Date: 10/13/98

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	MO
88548	1.00	1239																									
88562	2.00	1244		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
88563	2.00	1249		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
88564	2.00	1255		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
88565	2.00	1300		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
88566	2.00	1305		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
88567	2.00	1311		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
89213	2.00	1316			X	X		X	X		X		X		X				X		X	X		X		X	X
89214	2.00	1321			X	X		X	X		X		X		X				X		X	X		X		X	X
CCV	1.00	1327		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
CCB	1.00	1332		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
89215	2.00	1337			X	X		X	X		X		X		X				X		X	X		X		X	X
89216	2.00	1343			X	X		X	X		X		X		X				X		X	X		X		X	X
89217	2.00	1348			X	X		X	X		X		X		X				X		X	X		X		X	X
892523	2.00	1354																			X			X			
89254	2.00	1400																			X						
89255	2.00	1405																			X						
ICSA	1.00	1411		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
ICSAB	1.00	1416		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
CCV	1.00	1421		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
CCB	1.00	1427		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
89254	2.00	1436																						X			
ICSA	1.00	1442		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
ICSAB	1.00	1447		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
CCV	1.00	1452		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
CCB	1.00	1458		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X

304390

ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 10/17/98 End Date: 10/17/98

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	MO
D1-BLANK	1.00	0404		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
STD2	1.00	0409		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
STD3	1.00	0414		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
STD4	1.00	0420		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	0427																									
ICV/CCV	1.00	0432		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB/CCB	1.00	0438		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.00	0443		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.00	0448		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	0454		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
MCL	1.00	0459		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0504		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0510		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0515		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0521		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0526		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0531		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
CCV	1.00	0537		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	0542		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	0547		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0553		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0558		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0604		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0609		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0614		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0620		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0625		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0630		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	0636																									
CCV	1.00	0641		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB	1.00	0647		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	1.00	0652		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

304391

ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: TRACE1 TJA61_ Method: P_

Start Date: 10/17/98 End Date: 10/17/98

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	MO
ZZZZZZ	1.00	0657																									
ZZZZZZ	3.00	0703																									
ZZZZZZ	3.00	0708																									
88548	1.00	0713		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.00	0719		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	0724		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV	1.00	0730		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB	1.00	0735		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

304392

ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: LEEMAN PS200_ Method: CV

Start Date: 10/13/98 End Date: 10/13/98

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	MO
STD1	1.00	0728																X									
STD2	1.00	0731																X									
STD3	1.00	0734																X									
STD4	1.00	0737																X									
STD5	1.00	0740																X									
STD6	1.00	0743																X									
ICV/ACCV	1.00	0746																X									
ICB/CCB	1.00	0749																X									
BS101298	1.00	0752																X									
SS101298	1.00	0755																X									
LCSS238A	2.00	0758																X									
CSS238AD	2.00	0800																X									
88244	1.00	0803																X									
88244D	1.00	0806																X									
88244MS	1.00	0809																X									
88244MSD	1.00	0812																X									
89253	1.00	0815																X									
89254	1.00	0818																X									
CCV	1.00	0821																X									
CCB	1.00	0824																X									
89255	1.00	0826																X									
88243	1.00	0829																X									
88245	1.00	0832																X									
88246	1.00	0835																X									
88248	1.00	0838																X									
88548	1.00	0841																X									
88562	1.00	0844																X									
88563	1.00	0847																X									
88564	1.00	0850																X									
88565	1.00	0852																X									
CCV	1.00	0855																X									
CCB	1.00	0858																X									

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ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: LEEMAN PS200_ Method: CV

Start Date: 10/13/98 End Date: 10/13/98

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	MO
88566	1.00	0901																X									
88567	1.00	0904																X									
89213	1.00	0907																X									
89214	1.00	0910																X									
89215	1.00	0913																X									
89216	1.00	0916																X									
89217	1.00	0919																X									
CCV	1.00	0921																X									
CCB	1.00	0924																X									
ZZZZZZ	1.00	0928																									
ZZZZZZ	1.00	0931																									
ZZZZZZ	2.00	0934																									
ZZZZZZ	2.00	0936																									
ZZZZZZ	1.00	0939																									
ZZZZZZ	1.00	0942																									
ZZZZZZ	1.00	0945																									
ZZZZZZ	1.00	0948																									
ZZZZZZ	1.00	0951																									
ZZZZZZ	1.00	0954																									
CCV	1.00	0957																X									
CCB	1.00	1000																X									
ZZZZZZ	1.00	1002																									
ZZZZZZ	1.00	1005																									
ZZZZZZ	1.00	1008																									
ZZZZZZ	1.00	1011																									
ZZZZZZ	1.00	1014																									
ZZZZZZ	1.00	1017																									
ZZZZZZ	1.00	1020																									
ZZZZZZ	1.00	1023																									
ZZZZZZ	1.00	1026																									
ZZZZZZ	1.00	1028																									
CCV	1.00	1031																X									

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ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: LEEMAN PS200_ Method: CV

Start Date: 10/13/98 End Date: 10/13/98

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	MO
CCB	1.00	1034																X									
ZZZZZZ	1.00	1037																									
ZZZZZZ	1.00	1040																									
ZZZZZZ	1.00	1043																									
ZZZZZZ	1.00	1046																									
ZZZZZZ	1.00	1049																									
ZZZZZZ	1.00	1052																									
ZZZZZZ	1.00	1055																									
CCV	1.00	1057																X									
CCB	1.00	1100																X									
ZZZZZZ	1.00	1103																									
ZZZZZZ	1.00	1106																									
ZZZZZZ	2.00	1109																									
ZZZZZZ	2.00	1112																									
ZZZZZZ	1.00	1115																									
ZZZZZZ	1.00	1118																									
ZZZZZZ	1.00	1121																									
ZZZZZZ	1.00	1123																									
ZZZZZZ	1.00	1126																									
ZZZZZZ	1.00	1129																									
CCV	1.00	1132																X									
CCB	1.00	1135																X									
ZZZZZZ	1.00	1138																									
ZZZZZZ	1.00	1141																									
ZZZZZZ	1.00	1144																									
ZZZZZZ	1.00	1147																									
ZZZZZZ	1.00	1149																									
ZZZZZZ	1.00	1152																									
ZZZZZZ	1.00	1155																									
ZZZZZZ	1.00	1158																									
ZZZZZZ	1.00	1201																									
ZZZZZZ	1.00	1204																									

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ANALYSIS RUN LOG

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.:7026__

Instrument ID Number: LEEMAN PS200_ Method: CV

Start Date: 10/13/98 End Date: 10/13/98

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	MO
CCV	1.00	1207																X									
CCB	1.00	1210																X									
ZZZZZZ	1.00	1213																									
ZZZZZZ	1.00	1216																									
ZZZZZZ	1.00	1218																									
ZZZZZZ	1.00	1221																									
ZZZZZZ	1.00	1224																									
ZZZZZZ	1.00	1227																									
ZZZZZZ	1.00	1230																									
ZZZZZZ	5.00	1233																									
ZZZZZZ	1.00	1236																									
CCV	1.00	1239																X									
CCB	1.00	1242																X									

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File : 7026T1.WSL

304397

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flag
1	STD1-BLANK		3		1.0	10/13/98	09:44:00	
2	STD2		3		1.0	10/13/98	09:50:00	
3	STD3		3		1.0	10/13/98	09:55:00	
4	STD4		3		1.0	10/13/98	10:00:00	
5	HSA		0		1.0	10/13/98	10:07:00	
6	ICV/CCV1		0		1.0	10/13/98	10:13:00	
7	ICB/CCB1		0		1.0	10/13/98	10:18:00	
8	ICSA1		0		1.0	10/13/98	10:23:00	
9	ICSAB1		0		1.0	10/13/98	10:29:00	
10	INT-20		0		1.0	10/13/98	10:34:00	
11	MCL		0		1.0	10/13/98	10:41:00	
12	BSS101298		0		1.0	10/13/98	10:47:00	
13	PBS101298		0		1.0	10/13/98	10:52:00	
14	LCSS238A		0		2.0	10/13/98	10:57:00	
15	LCSS-238AD		0		2.0	10/13/98	11:03:00	
16	88244D		0		2.0	10/13/98	11:08:00	
17	88244		0		2.0	10/13/98	11:13:00	
18	CCV2		0		1.0	10/13/98	11:19:00	
19	CCB2		0		1.0	10/13/98	11:24:00	
20	88244L		0		2.0	10/13/98	11:29:00	
21	88244MS		0		2.0	10/13/98	11:35:00	
22	88244MSD		0		2.0	10/13/98	11:40:00	
23	88244A		0		2.0	10/13/98	11:45:00	
24	89253		0		2.0	10/13/98	11:51:00	
25	89254		0		2.0	10/13/98	11:56:00	
26	89255		0		2.0	10/13/98	12:01:00	
27	88243		0		2.0	10/13/98	12:07:00	
28	88245		0		2.0	10/13/98	12:12:00	
29	88246		0		2.0	10/13/98	12:17:00	
30	CCV3		0		1.0	10/13/98	12:23:00	
31	CCB3		0		1.0	10/13/98	12:28:00	
32	88248		0		2.0	10/13/98	12:33:00	
33	88548		0		1.0	10/13/98	12:39:00	
34	88562		0		2.0	10/13/98	12:44:00	
35	88563		0		2.0	10/13/98	12:49:00	
36	88564		0		2.0	10/13/98	12:55:00	
37	88565		0		2.0	10/13/98	13:00:00	
38	88566		0		2.0	10/13/98	13:05:00	
39	88567		0		2.0	10/13/98	13:11:00	
40	89213		0		2.0	10/13/98	13:16:00	
41	89214		0		2.0	10/13/98	13:21:00	
42	CCV4		0		1.0	10/13/98	13:27:00	
43	CCB4		0		1.0	10/13/98	13:32:00	
44	89215		0		2.0	10/13/98	13:37:00	
45	89216		0		2.0	10/13/98	13:43:00	
46	89217		0		2.0	10/13/98	13:48:00	
47	89253-2 -Tl,Se		0		2.0	10/13/98	13:54:00	
48	89254-2 -Se		0		2.0	10/13/98	14:00:00	
49	89255-2 -Se		0		2.0	10/13/98	14:05:00	
50	ICSA2		0		1.0	10/13/98	14:11:00	
51	ICSAB2		0		1.0	10/13/98	14:16:00	
52	CCV5		0		1.0	10/13/98	14:21:00	
53	CCB5		0		1.0	10/13/98	14:27:00	
54	89254-2X -Tl		0		2.0	10/13/98	14:36:00	
55	ICSA3		0		1.0	10/13/98	14:42:00	
56	ICSAB3		0		1.0	10/13/98	14:47:00	
57	CCV6		0		1.0	10/13/98	14:52:00	
58	CCB6		0		1.0	10/13/98	14:58:00	

Analysis Report Summary Tue 10-13-98 03:25:44 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HSA	7026T1	SW846	10/13/98	10:07		S	CONC
2	ICV/CCV1	7026T1	SW846	10/13/98	10:13		S	CONC
3	ICB/CCB1	7026T1	SW846	10/13/98	10:18		S	CONC
4	ICSA1	7026T1	SW846	10/13/98	10:23		S	CONC
5	ICSAB1	7026T1	SW846	10/13/98	10:29		S	CONC
6	INT-20	7026T1	SW846	10/13/98	10:34		S	CONC
7	MCL	7026T1	SW846	10/13/98	10:41		S	CONC
8	BSS101298	7026T1	SW846	10/13/98	10:47		S	CONC
9	PBS101298	7026T1	SW846	10/13/98	10:52		S	CONC
10	LCSS238A-2X	7026T1	SW846	10/13/98	10:57		S	CONC
11	LCSS-238AD-2X	7026T1	SW846	10/13/98	11:03		S	CONC
12	88244D-2X	7026T1	SW846	10/13/98	11:08		S	CONC
13	88244-2X	7026T1	SW846	10/13/98	11:13		S	CONC
14	CCV2	7026T1	SW846	10/13/98	11:19		S	CONC
15	CCB2	7026T1	SW846	10/13/98	11:24		S	CONC
16	88244L-2X	7026T1	SW846	10/13/98	11:29		S	CONC
17	88244MS-2X	7026T1	SW846	10/13/98	11:35		S	CONC
18	88244MSD-2X	7026T1	SW846	10/13/98	11:40		S	CONC
19	88244A-2X	7026T1	SW846	10/13/98	11:45		S	CONC
20	89253-2X	7026T1	SW846	10/13/98	11:51		S	CONC
21	89254-2X	7026T1	SW846	10/13/98	11:56		S	CONC
22	89255-2X	7026T1	SW846	10/13/98	12:01		S	CONC
23	88243-2X	7026T1	SW846	10/13/98	12:07		S	CONC
24	88245-2X	7026T1	SW846	10/13/98	12:12		S	CONC
25	88246-2X	7026T1	SW846	10/13/98	12:17		S	CONC
26	CCV3	7026T1	SW846	10/13/98	12:23		S	CONC
27	CCB3	7026T1	SW846	10/13/98	12:28		S	CONC
28	88248-2X	7026T1	SW846	10/13/98	12:33		S	CONC
29	88548	7026T1	SW846	10/13/98	12:39		S	CONC
30	88562-2X	7026T1	SW846	10/13/98	12:44		S	CONC
31	88563-2X	7026T1	SW846	10/13/98	12:49		S	CONC
32	88564-2X	7026T1	SW846	10/13/98	12:55		S	CONC
33	88565-2X	7026T1	SW846	10/13/98	13:00		S	CONC
34	88566-2X	7026T1	SW846	10/13/98	13:05		S	CONC
35	88567-2X	7026T1	SW846	10/13/98	13:11		S	CONC
36	89213-2X	7026T1	SW846	10/13/98	13:16		S	CONC
37	89214-2X	7026T1	SW846	10/13/98	13:21		S	CONC
38	CCV4	7026T1	SW846	10/13/98	13:27		S	CONC
39	CCB4	7026T1	SW846	10/13/98	13:32		S	CONC
40	89215-2X	7026T1	SW846	10/13/98	13:37		S	CONC
41	89216-2X	7026T1	SW846	10/13/98	13:43		S	CONC
42	89217-2X	7026T1	SW846	10/13/98	13:48		S	CONC
43	89253-2X	7026T1	SW846	10/13/98	13:54		S	CONC
44	89254-2X	7026T1	SW846	10/13/98	14:00		S	CONC
45	89255-2X	7026T1	SW846	10/13/98	14:05		S	CONC
46	ICSA2	7026T1	SW846	10/13/98	14:11		S	CONC
47	ICSAB2	7026T1	SW846	10/13/98	14:16		S	CONC
48	CCV5	7026T1	SW846	10/13/98	14:21		S	CONC
49	CCB5	7026T1	SW846	10/13/98	14:27		S	CONC
50	89254-2X	7026T1	SW846	10/13/98	14:36		S	CONC
51	ICSA3	7026T1	SW846	10/13/98	14:42		S	CONC
52	ICSAB3	7026T1	SW846	10/13/98	14:47		S	CONC
53	CCV6	7026T1	SW846	10/13/98	14:52		S	CONC

Ba
10/13/98

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Analysis Report Summary Tue 10-13-98 03:25:44 PM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCB6	7026T1	SW846	10/13/98	14:58		S	CONC

304399

#	Sample Name	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179
1	HSA	496200.	9928.	19650.	1967.	4832.	241700.
2	ICV/CCV1	248300.	4840.	9911.	963.5	2387.	119800.
3	ICB/CCB1	63.02	.7882	2.792	.1733	.9952	31.55
4	ICSA1	516900.	-2.030	6.054	-.0888	L-3.948	473200.
5	ICSAB1	511100.	97.79	114.6	98.94	92.56	458300.
6	INT-20	96.94	-2.410	-1.600	2.917	-.0547	97.55
7	MCL	220.6	20.09	50.99	4.024	5.270	5075.
8	BSS101298	1736.	1616.	1741.	43.97	44.31	17440.
9	PBS101298	29.78	-.7516	.8015	-.0447	.3552	96.30
10	LCSS238A-2X	21350.	313.5	450.0	178.7	305.5	8967.
11	LCSS-238AD-2X	23140.	344.3	482.5	192.2	326.5	9656.
12	88244D-2X	48880.	16.14	192.6	1.937	-.9554	2531.
13	88244-2X	42340.	13.89	184.4	1.766	-.8358	2353.
14	CCV2	246900.	5001.	9950.	996.6	2470.	123200.
15	CCB2	44.40	-1.608	1.731	.1772	.5866	15.23
16	88244L-2X	8564.	1.062	37.62	.4039	.0833	493.1
17	88244MS-2X	69920.	924.4	1222.	27.59	23.97	12510.
18	88244MSD-2X	57390.	909.0	1182.	27.00	23.60	12360.
19	88244A-2X	46460.	1765.	2112.	50.34	46.53	21450.
20	89253-2X	33560.	104.4	223.2	3.402	.2870	5749.
21	89254-2X	46340.	97.82	242.3	3.891	-.6267	7282.
22	89255-2X	26890.	69.96	141.4	3.127	1.090	4288.
23	88243-2X	53330.	15.45	198.7	2.224	-.8244	1582.
24	88245-2X	48490.	18.55	246.2	1.931	-.2052	4983.
25	88246-2X	25310.	14.44	202.2	1.293	-.1221	2870.
26	CCV3	244400.	4882.	9888.	967.5	2378.	119000.
27	CCB3	44.76	-1.424	1.589	.1471	.4552	13.47
28	88248-2X	45380.	23.47	153.5	1.888	-1.456	2332.
29	88548	90.91	-.9955	.7730	-.0507	.3394	716.9
30	88562-2X	50780.	32.56	695.5	2.833	.2666	23800.
31	88563-2X	37510.	15.22	361.5	1.932	.6370	5312.
32	88564-2X	49180.	23.16	1029.	2.601	3.506	16560.
33	88565-2X	34180.	16.56	1139.	1.931	3.524	43550.
34	88566-2X	38030.	11.46	325.2	2.769	1.448	14580.
35	88567-2X	24570.	16.05	99.69	2.265	-.9352	3107.
36	89213-2X	19450.	40.28	95.00	1.861	-.2920	43670.
37	89214-2X	18420.	53.72	105.9	1.558	-.5469	20550.
38	CCV4	249500.	4978.	10120.	985.3	2412.	120900.
39	CCB4	53.56	-.8982	1.573	.1197	.5167	13.59
40	89215-2X	17580.	68.66	59.52	1.357	-.9858	21030.
41	89216-2X	27210.	53.27	97.87	1.727	-1.131	26820.
42	89217-2X	23000.	20.10	492.7	2.338	5.459	H658900.
43	89253-2X	34360.	105.0	227.2	3.418	.4166	5646.
44	89254-2X	46570.	93.39	242.1	3.709	-.0727	6965.
45	89255-2X	28290.	70.68	147.8	3.279	1.096	4369.
46	ICSA2	494300.	-2.468	4.947	-.1469	-1.267	435600.
47	ICSAB2	508900.	99.06	115.2	98.21	91.68	445900.
48	CCV5	252400.	4982.	10280.	982.6	2384.	119000.
49	CCB5	105.8	-.9825	1.521	.0265	.4423	32.19
50	89254-2X	44510.	90.71	233.8	3.650	-.2844	6710.
51	ICSA3	482000.	-2.166	5.000	-.1722	-1.300	418600.
52	ICSAB3	490800.	93.40	110.6	93.93	88.05	426600.
53	CCV6	250700.	4959.	10060.	971.7	2366.	117700.

304400

#	Sample Name	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179
54	CCB6	113.6	-.7089	1.424	-.0476	.4924	32.19

#	Sample Name	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576
1	HSA	9842.	4833.	25650.	191300.	250000.	9831.
2	ICV/CCV1	4817.	2400.	12350.	95470.	120100.	4851.
3	ICB/CCB1	1.437	.6882	H5.140	45.50	39.96	1.352
4	ICSA1	1.392	.8628	3.179	194600.	525300.	2.279
5	ICSAB1	100.4	97.99	109.0	193500.	512000.	102.0
6	INT-20	19300.	19500.	-1.454	-45.01	15.85	18390.
7	MCL	22.87	54.82	51.39	226.2	4926.	22.30
8	BSS101298	178.3	439.5	215.3	906.6	16760.	434.7
9	PBS101298	5.286	.4980	4.593	59.13	35.47	.8794
10	LCSS238A-2X	340.1	508.8	283.5	44740.	7387.	983.0
11	LCSS-238AD-2X	368.1	542.1	307.6	48710.	7937.	1063.
12	88244D-2X	82.09	14.52	33.07	67100.	6648.	242.1
13	88244-2X	71.25	12.92	27.30	56150.	5999.	229.7
14	CCV2	4947.	2447.	12470.	95440.	123100.	4978.
15	CCB2	1.073	.7094	3.505	H53.46	27.46	.8738
16	88244L-2X	14.66	2.535	8.249	11470.	1244.	46.71
17	88244MS-2X	210.5	270.8	158.4	77140.	18010.	540.1
18	88244MSD-2X	190.3	262.7	152.4	66380.	16810.	505.2
19	88244A-2X	265.6	490.1	262.2	60310.	24640.	714.5
20	89253-2X	183.6	23.59	479.8	92940.	11130.	491.8
21	89254-2X	229.0	28.33	581.7	96220.	13840.	646.2
22	89255-2X	147.5	28.85	406.4	97420.	11470.	494.1
23	88243-2X	89.96	12.58	28.52	64970.	6558.	216.5
24	88245-2X	97.97	15.86	40.44	65270.	6568.	414.0
25	88246-2X	57.68	51.62	30.87	44670.	3355.	2076.
26	CCV3	4805.	2366.	12470.	91740.	119000.	4855.
27	CCB3	.7082	.2637	3.565	43.00	28.56	.9010
28	8824B-2X	110.4	10.90	26.45	98670.	5310.	246.0
29	88548	3.220	.2111	3.595	73.60	30.32	5.705
30	88562-2X	104.0	34.32	316.6	141900.	8848.	1800.
31	88563-2X	62.82	31.71	114.2	81770.	7619.	968.4
32	88564-2X	210.5	45.41	487.2	99900.	11320.	1938.
33	88565-2X	144.6	36.82	971.8	88080.	11750.	1342.
34	88566-2X	116.1	36.53	162.0	84620.	13850.	1139.
35	88567-2X	43.68	20.36	69.12	82570.	8119.	422.2
36	89213-2X	87.01	7.085	80.55	82910.	3258.	286.0
37	89214-2X	76.11	5.053	61.48	91780.	1655.	288.0
38	CCV4	4894.	2400.	12790.	92320.	121000.	4949.
39	CCB4	.8244	.5329	3.603	49.53	28.17	.8389
40	89215-2X	78.67	2.080	80.41	102000.	1442.	82.25
41	89216-2X	110.6	5.383	80.47	111000.	2263.	130.1
42	89217-2X	89.41	9.074	418.5	28340.	15400.	2036.
43	89253-2X	180.9	22.58	502.7	86820.	10830.	489.4
44	89254-2X	221.5	27.36	593.5	90340.	13300.	628.9
45	89255-2X	152.4	29.05	438.7	94970.	11700.	513.9
46	ICSA2	.8224	.6623	.9250	172700.	484100.	2.135
47	ICSAB2	98.87	94.33	112.3	175500.	496400.	102.1
48	CCV5	4869.	2378.	13110.	90600.	119600.	4944.
49	CCB5	.8207	.5799	3.075	46.34	49.62	.7891

304401

#	Sample Name	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576
50	89254-2X	214.0	26.18	576.1	86510.	12810.	610.5
51	ICSA3	.9785	.6051	1.005	162200.	465700.	2.139
52	ICSAB3	94.54	90.53	108.0	167100.	475900.	97.80
53	CCV6	4822.	2345.	13130.	L87290.	118300.	4904.
54	CCB6	1.714	.6216	3.861	H55.19	45.44	.7583

#	Sample Name	Ni2316	K_7664	Ag3280	Na3302	Tl1908	V_2924
1	HSA	4828.	96970.	2560.	241700.	9711.	5026.
2	ICV/CCV1	2400.	47040.	1230.	120300.	4855.	2434.
3	ICB/CCB1	.4979	171.8	.4000	-537.6	1.093	.3154
4	ICSA1	2.348	223.7	.9632	-983.0	-.0972	4.129
5	ICSAB1	96.73	10650.	107.7	11350.	100.8	104.6
6	INT-20	19400.	148.3	-2.869	-2750.	-2.973	19260.
7	MCL	54.11	9493.	19.70	10200.	22.22	52.84
8	BSS101298	437.7	L15510.	42.47	17470.	1738.	436.2
9	PBS101298	1.465	267.6	.8825	-580.1	2.688	.6286
10	LCSS238A-2X	541.3	14160.	555.0	4520.	573.2	247.8
11	LCSS-238AD-2X	581.1	15190.	597.1	4757.	620.1	273.1
12	88244D-2X	29.72	1423.	.7657	565.2	3.891	122.0
13	88244-2X	25.63	1117.	.2689	424.6	3.537	103.1
14	CCV2	2469.	47090.	1284.	118600.	4943.	2509.
15	CCB2	.5824	188.9	1.097	-994.6	5.463	.8462
16	88244L-2X	5.401	404.4	.5852	-743.9	2.062	20.82
17	88244MS-2X	292.7	10990.	24.77	10960.	994.7	381.9
18	88244MSD-2X	280.3	10010.	23.59	10600.	982.4	362.9
19	88244A-2X	504.6	17470.	46.23	19700.	1899.	581.9
20	89253-2X	69.43	4191.	7.358	16920.	8.173	151.5
21	89254-2X	84.01	5422.	6.946	20020.	5.391	173.2
22	89255-2X	69.84	3549.	6.929	16080.	4.436	343.9
23	88243-2X	28.83	1659.	.3000	443.2	3.999	108.0
24	88245-2X	34.73	1911.	.7587	370.8	3.832	108.2
25	88246-2X	18.12	918.9	.2564	66.35	1.060	89.33
26	CCV3	2389.	46900.	1291.	118800.	4818.	2460.
27	CCB3	.3959	147.5	.7910	L-1273.	5.799	.4052
28	88248-2X	23.68	1985.	.8404	325.8	4.297	120.6
29	88548	.6792	314.8	.8520	-539.3	-.6637	.5268
30	88562-2X	69.29	3262.	1.350	371.6	4.299	159.8
31	88563-2X	49.92	1794.	.0107	-493.8	3.886	109.1
32	88564-2X	161.0	4936.	1.873	110.9	1.301	162.4
33	88565-2X	84.88	4415.	3.214	363.0	1.518	146.0
34	88566-2X	65.30	4879.	.4630	648.3	2.882	236.6
35	88567-2X	42.96	1633.	-.0276	-790.3	2.381	73.10
36	89213-2X	19.55	4513.	2.944	-116.3	3.004	117.0
37	89214-2X	14.43	2022.	1.181	-654.4	1.453	137.9
38	CCV4	2432.	48190.	1262.	121600.	4904.	2517.
39	CCB4	.8789	130.0	.8391	-978.1	4.333	1.121
40	89215-2X	9.695	1707.	2.028	-459.0	1.602	137.1
41	89216-2X	16.33	2793.	2.191	-341.5	3.846	169.5
42	89217-2X	57.43	7131.	30.96	1219.	2.454	69.08
43	89253-2X	67.29	4279.	8.192	17720.	2.126	153.5
44	89254-2X	80.47	5475.	7.568	20570.	4.817	171.3
45	89255-2X	72.27	3744.	7.316	17080.	2.816	363.8

304402

#	Sample Name	Ni2316	K_7664	Ag3280	Na3302	Tl1908	V_2924
46	ICSA2	2.116	79.34	1.165	-1081.	-2.307	3.176
47	ICSAB2	94.17	10850.	109.3	11440.	93.04	106.4
48	CCV5	2409.	49150.	1279.	122500.	4879.	2532.
49	CCB5	.4880	85.79	1.367	-881.4	4.643	1.015
50	89254-2X	77.02	5231.	6.952	19440.	-5.683	166.9
51	ICSA3	2.255	41.73	1.376	-834.4	-7.679	3.454
52	ICSAB3	90.93	10450.	105.5	11080.	86.22	102.2
53	CCV6	2375.	48830.	1272.	122700.	4810.	2523.
54	CCB6	.9469	158.5	1.087	-900.4	.9397	1.026

#	Sample Name	Zn2138	Mo2020	P_1782	Sr4215	Sn1899	Ti3349
1	HSA	4885.	4954.	5211.	9728.	1979.	19920.
2	ICV/CCV1	2421.	2429.	2453.	4923.	962.3	9716.
3	ICB/CCB1	.4271	4.368	-2.900	1.261	.9396	H5.163
4	ICSA1	1.111	.4010	7.571	3.194	3.307	5.034
5	ICSAB1	103.6	102.3	L-.8314	113.2	97.52	107.3
6	INT-20	-1.376	18940.	-4.829	17680.	18810.	19250.
7	MCL	51.49	52.56	208.7	104.9	88.08	46.39
8	BSS101298	439.8	451.3	L9.774	455.3	L326.0	439.6
9	PBS101298	3.903	2.603	8.513	.4869	H17.70	6.233
10	LCSS238A-2X	354.1	365.7	1617.	326.9	524.0	1412.
11	LCSS-238AD-2X	381.0	399.7	1954.	351.0	573.4	1550.
12	88244D-2X	79.10	3.118	650.1	27.68	9.887	977.5
13	88244-2X	74.25	2.862	539.4	26.61	6.695	901.2
14	CCV2	2481.	2478.	2684.	4975.	998.4	9821.
15	CCB2	.3973	3.528	-2.095	.7026	.8973	H6.468
16	88244L-2X	15.50	1.826	123.6	5.516	2.073	186.1
17	88244MS-2X	355.2	248.3	678.9	300.5	187.1	1175.
18	88244MSD-2X	333.0	247.5	637.7	293.4	178.4	964.4
19	88244A-2X	545.0	487.9	610.5	531.5	331.8	1417.
20	89253-2X	592.9	7.626	H5719.	169.3	39.84	2182.
21	89254-2X	633.8	7.631	H5853.	235.3	47.70	2581.
22	89255-2X	713.1	8.655	3361.	90.40	32.80	1530.
23	88243-2X	117.9	2.085	889.0	29.16	6.601	786.6
24	88245-2X	376.7	3.033	1195.	36.10	18.41	765.0
25	88246-2X	149.6	2.286	413.0	27.66	12.96	586.4
26	CCV3	2420.	2419.	2567.	4938.	972.6	9623.
27	CCB3	.2805	2.562	-.5257	.6673	.1449	H5.826
28	88248-2X	68.84	2.221	269.6	30.37	7.518	642.6
29	88548	23.42	.7312	7.074	.8831	5.849	7.229
30	88562-2X	1238.	12.40	H10950.	104.9	120.9	1527.
31	88563-2X	876.8	6.102	4213.	34.41	30.46	1260.
32	88564-2X	1887.	18.69	H6684.	119.6	86.38	1546.
33	88565-2X	1672.	5.839	H5554.	210.7	63.86	1392.
34	88566-2X	581.6	3.035	3770.	72.95	17.95	1719.
35	88567-2X	317.7	2.757	2560.	12.65	9.728	760.9
36	89213-2X	220.9	2.715	3268.	55.44	18.76	414.3
37	89214-2X	135.5	5.007	2335.	33.68	11.23	342.8
38	CCV4	2464.	2468.	2655.	5058.	987.9	9806.
39	CCB4	.1866	2.520	-1.637	.6644	.7990	H5.946
40	89215-2X	131.9	2.247	2747.	20.14	19.32	296.4
41	89216-2X	176.6	2.078	2306.	35.74	15.48	379.4

304403

#	Sample Name	Zn2138	Mo2020	P_1782	Sr4215	Sn1899	Ti3349
42	89217-2X	1276.	10.40	H12190.	480.0	97.23	4633.
43	89253-2X	592.7	6.830	H6251.	172.8	38.60	2167.
44	89254-2X	620.1	7.409	H5294.	235.3	44.53	2526.
45	89255-2X	743.0	8.729	3636.	95.38	33.67	1578.
46	ICSA2	2.698	-.5417	-.6572	4.610	2.439	1.495
47	ICSAB2	105.7	101.3	L3.546	116.7	99.45	102.4
48	CCV5	2466.	2471.	2635.	5128.	986.3	9831.
49	CCB5	.1766	2.812	-3.091	.6517	.7814	H5.593
50	89254-2X	603.0	7.578	H5075.	227.6	44.36	2439.
51	ICSA3	2.839	-.3787	-1.862	4.953	2.442	2.534
52	ICSAB3	101.4	98.29	L.8869	112.1	96.42	97.83
53	CCV6	2476.	2445.	2526.	5057.	981.5	9638.
54	CCB6	-.8822	2.253	-2.201	.5610	1.274	H6.823

#	Sample Name	Pb2203	Se1960	Sb2068	B_2496
1	HSA	19480.	9872.	2006.	1993.
2	ICV/CCV1	9584.	4855.	975.0	978.3
3	ICB/CCB1	H3.105	1.506	1.253	2.163
4	ICSA1	1.704	-1.616	1.613	2.628
5	ICSAB1	99.02	101.0	100.6	108.2
6	INT-20	6.954	-8.167	-17.02	-.1285
7	MCL	10.77	7.733	22.17	101.9
8	BSS101298	433.4	1706.	415.7	430.5
9	PBS101298	2.262	-2.261	3.398	3.626
10	LCSS238A-2X	637.0	413.2	323.0	316.5
11	LCSS-238AD-2X	683.4	448.9	354.0	343.0
12	88244D-2X	55.76	1.827	.9470	3.994
13	88244-2X	72.86	-1.052	2.241	3.342
14	CCV2	9876.	4980.	993.3	993.0
15	CCB2	1.562	-2.602	3.409	2.235
16	88244L-2X	15.25	-3.380	2.949	1.826
17	88244MS-2X	307.3	960.0	120.4	213.0
18	88244MSD-2X	301.3	939.2	115.1	196.0
19	88244A-2X	545.2	1846.	454.7	482.8
20	89253-2X	339.6	7.275	5.427	48.15
21	89254-2X	398.6	8.979	5.471	63.86
22	89255-2X	300.7	5.698	5.450	37.55
23	88243-2X	53.25	2.084	4.800	7.049
24	88245-2X	546.9	-.3093	7.144	9.841
25	88246-2X	142.3	-.1817	3.248	4.721
26	CCV3	9526.	4902.	971.2	978.5
27	CCB3	2.557	-1.943	2.845	1.654
28	88248-2X	52.15	2.500	3.603	9.029
29	88548	.5072	-.9589	4.671	12.63
30	88562-2X	1557.	4.742	4.244	13.76
31	88563-2X	339.2	2.830	4.663	8.515
32	88564-2X	1589.	4.451	6.260	16.18
33	88565-2X	2125.	-.0936	3.862	21.46
34	88566-2X	459.3	-1.055	2.916	7.979
35	88567-2X	50.64	-.6783	2.768	2.233
36	89213-2X	135.4	-1.602	3.529	39.53
37	89214-2X	131.5	2.110	4.795	12.70

304404

#	Sample Name	Pb2203	Se1960	Sb2068	B_2496		
38	CCV4	9703.	5002.	996.1	1001.		
39	CCB4	1.842	-.5365	3.003	1.606		
40	89215-2X	193.8	.3003	5.019	14.95		
41	89216-2X	178.2	3.099	3.767	22.64		
42	89217-2X	375.8	.3846	4.195	80.87		
43	89253-2X	332.6	1.890	5.879	48.33		
44	89254-2X	385.8	4.601	6.410	63.44		
45	89255-2X	307.2	3.093	4.230	38.08		
46	ICSA2	2.917	-6.940	2.117	1.429		
47	ICSAB2	95.47	92.67	101.8	107.2		
48	CCV5	9592.	4997.	1002.	1010.		
49	CCB5	1.634	-1.583	2.493	2.165		
50	89254-2X	371.5	4.713	8.784	61.24		
51	ICSA3	3.035	L-11.32	4.738	2.247		
52	ICSAB3	91.88	83.62	97.01	104.4		
53	CCV6	9516.	4990.	995.4	1004.		
54	CCB6	1.028	-2.678	3.893	2.178		

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Method: SW846 Standard: STD1-Blank

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	.3011	.0013	-.0000	-.0476	-.0096	.1686	.0058
SDev	.0048	.0262	.0057	.0018	.0428	.0045	.0230
%RSD	1.591	2036.	37770.	3.880	446.4	2.689	395.2
#1	.2977	-.0172	-.0041	-.0489	-.0399	.1654	-.0104
#2	.3045	.0198	.0040	-.0463	.0207	.1718	.0220

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	-.0073	.0948	-.0448	.0022	-.0005	-.0300	3.976
SDev	.0352	.0097	.0251	.0159	.0032	.0832	.112
%RSD	480.5	10.25	56.16	720.1	694.6	277.0	2.827
#1	-.0322	.0879	-.0625	-.0091	-.0027	-.0888	3.896
#2	.0175	.1016	-.0270	.0135	.0018	.0288	4.055

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Avge	-.1238	.0343	-.0498	-.0012	.0585	-.0233	.1629
SDev	.0211	.0151	.0552	.0113	.0038	.0087	.0304
%RSD	17.04	44.18	110.8	931.1	6.570	37.56	18.68
#1	-.1387	.0236	-.0888	-.0092	.0557	-.0295	.1414
#2	-.1088	.0450	-.0108	.0068	.0612	-.0171	.1844

Elem	Sr4215	Sn1899	Ti3349	2203/1	2203/2	2068/1	2068/2
Avge	.0110	.0063	-.5779	.8455	-.1284	-.1202	.0280
SDev	.0092	.0127	.3504	.2924	.0556	.0236	.0104
%RSD	83.35	202.0	60.63	34.59	43.31	19.66	36.99
#1	.0045	-.0027	-.8256	1.052	-.1677	-.1369	.0353
#2	.0175	.0152	-.3301	.6387	-.0891	-.1034	.0207

Elem	1960/1	1960/2	B_2496
Avge	.1121	.0304	-.0055
SDev	.0555	.0481	.0154
%RSD	49.51	158.2	281.3
#1	.1514	.0643	-.0163
#2	.0729	-.0036	.0054

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1108	--	--	--	--	--	--
SDev	5.864446	--	--	--	--	--	--
%RSD	.5295095	--	--	--	--	--	--
#1	1103	--	--	--	--	--	--
#2	1112	--	--	--	--	--	--

Method: SW846 Standard: ~~STD4~~ STD2 GL 10/13/98

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Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677

Avge	90.97	11.75	43.54	8.317	58.65	77.88	20.89
SDev	1.19	.02	.53	.000	.07	.04	.04
%RSD	1.305	.1682	1.229	.0033	.1129	.0547	.1958
#1	90.13	11.77	43.16	8.317	58.69	77.91	20.86
#2	91.81	11.74	43.92	8.317	58.60	77.85	20.92

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280
Avge	14.44	31.02	18.19	41.80	17.86	44.73	3.837
SDev	.04	.39	.10	.10	.03	.12	.046
%RSD	.2648	1.250	.5668	.2413	.1906	.2639	1.198
#1	14.41	30.75	18.12	41.73	17.84	44.65	3.805
#2	14.46	31.30	18.26	41.87	17.88	44.82	3.870

Elem	Tl1908	V_2924	Zn2138	Mo2020	P_1782	Sr4215	Sn1899
Avge	11.01	3.378	12.90	16.10	4.566	104.9	5.062
SDev	.05	.008	.03	.08	.106	1.1	.014
%RSD	.4264	.2419	.2154	.5170	2.322	1.027	.2806
#1	10.98	3.372	12.88	16.04	4.641	104.1	5.051
#2	11.04	3.384	12.92	16.16	4.491	105.6	5.072

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	141.4	214.2	52.88	2.595	.6560	25.38	19.03
SDev	.9	1.1	.11	.052	.0155	.38	.05
%RSD	.6492	.5053	.2153	2.001	2.355	1.494	.2806
#1	140.7	213.5	52.97	2.632	.6450	25.11	18.99
#2	142.0	215.0	52.80	2.558	.6669	25.65	19.06

Elem	B_2496
Avge	2.598
SDev	.019
%RSD	.7390
#1	2.585
#2	2.612

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1084	--	--	--	--	--	--
SDev	8.282696	--	--	--	--	--	--
%RSD	.7640780	--	--	--	--	--	--
#1	1090	--	--	--	--	--	--
#2	1078	--	--	--	--	--	--

Method: SW846 Standard: STD3

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	458.1	59.22	216.1	41.60	288.2	383.2	104.2
SDev	1.2	.06	.5	.00	.4	.3	.0

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%RSD	.2591	.1081	.2538	.0092	.1247	.0736	.0083
#1	457.2	59.18	215.7	41.61	288.5	383.4	104.2
#2	458.9	59.27	216.5	41.60	288.0	383.0	104.1

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280
Avge	70.95	158.4	89.20	215.2	88.84	218.8	20.26
SDev	.11	.6	.43	.2	.10	.3	.07
%RSD	.1558	.3668	.4871	.0786	.1081	.1283	.3547
#1	71.03	158.0	89.50	215.3	88.77	218.6	20.21
#2	70.87	158.8	88.89	215.1	88.91	219.0	20.31

Elem	Tl1908	V_2924	Zn2138	Mo2020	P_1782	Sr4215	Sn1899
Avge	54.51	17.11	63.89	80.72	23.91	515.5	25.35
SDev	.04	.04	.07	.15	.43	1.3	.03
%RSD	.0672	.2430	.1142	.1813	1.791	.2525	.1370
#1	54.53	17.08	63.84	80.62	23.61	514.6	25.33
#2	54.48	17.14	63.94	80.82	24.21	516.4	25.38

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	714.2	1057.	260.8	13.23	3.344	127.2	94.67
SDev	.4	2.	.3	.13	.008	.1	.30
%RSD	.0523	.2178	.1017	.9904	.2424	.0531	.3131
#1	713.9	1058.	260.6	13.13	3.339	127.1	94.46
#2	714.5	1055.	261.0	13.32	3.350	127.2	94.88

Elem	B_2496
Avge	13.06
SDev	.03
%RSD	.2122
#1	13.04
#2	13.08

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1045	--	--	--	--	--	--
SDev	6.549628	--	--	--	--	--	--
%RSD	.6270009	--	--	--	--	--	--
#1	1049	--	--	--	--	--	--
#2	1040	--	--	--	--	--	--

Method: SW846 Standard: ~~STD2~~ STD4 [illegible] 10/13/93

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	952.2	121.8	447.8	85.12	580.2	774.2	214.1
SDev	2.4	.8	1.3	.43	4.1	3.6	.9
%RSD	.2481	.6312	.2868	.5104	.7140	.4680	.4174

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#1	950.5	122.3	446.9	85.43	583.2	776.7	214.7
#2	953.9	121.2	448.7	84.82	577.3	771.6	213.4

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	144.8	336.6	186.0	451.3	181.2	443.5	201.5
SDev	.3	.2	.7	1.3	.8	1.7	.1
%RSD	.2048	.0460	.3728	.2881	.4438	.3788	.0527
#1	145.0	336.5	185.6	452.2	181.8	444.7	201.5
#2	144.6	336.7	186.5	450.4	180.7	442.3	201.6

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Avge	43.44	28.49	110.5	35.37	129.6	166.6	46.64
SDev	.05	.10	.4	.17	.6	.4	.77
%RSD	.1080	.3470	.3948	.4813	.4278	.2480	1.653
#1	43.41	28.42	110.8	35.49	130.0	166.9	47.18
#2	43.47	28.56	110.2	35.25	129.3	166.3	46.09

Elem	Sr4215	Sn1899	Ti3349	2203/1	2203/2	2068/1	2068/2
Avge	1050.	51.54	1506.	2162.	525.5	27.55	7.046
SDev	2.	.44	.	3.	3.1	.06	.031
%RSD	.1585	.8450	.0161	.1392	.5954	.2181	.4420
#1	1048.	51.85	1506.	2164.	527.7	27.51	7.068
#2	1051.	51.23	1506.	2160.	523.3	27.59	7.024

Elem	1960/1	1960/2	8_2496
Avge	264.4	193.7	27.27
SDev	.4	.5	.02
%RSD	.1701	.2476	.0742
#1	264.7	194.1	27.25
#2	264.1	193.4	27.28

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	974	--	--	--	--	--	--
SDev	2.700419	--	--	--	--	--	--
%RSD	.2771972	--	--	--	--	--	--
#1	972	--	--	--	--	--	--
#2	976	--	--	--	--	--	--

Method: SW846 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	540.832	-153.616	10/13/98 10:00:43
As1890	189.042	Multiple	Standards	83.8557	.028471	10/13/98 10:00:43
Ba4394	439.409	Multiple	Standards	45.6139	.155892	10/13/98 10:00:43
Be3130	313.042	Multiple	Standards	23.6795	1.13798	10/13/98 10:00:43

304409

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Cd2265	226.502	Multiple	Standards	8.64243	.044465	10/13/98 10:00:43
Ca3179	317.933	Multiple	Standards	323.671	-55.7303	10/13/98 10:00:43
Cr2677	267.716	Multiple	Standards	47.5340	-.200312	10/13/98 10:00:43
Co2286	228.616	Multiple	Standards	34.9974	.239723	10/13/98 10:00:43
Cu3247	324.753	Multiple	Standards	77.9345	-6.54785	10/13/98 10:00:43
Fe2714	271.441	Multiple	Standards	1098.59	49.5574	10/13/98 10:00:43
Mg2790	279.078	Multiple	Standards	576.985	6.75205	10/13/98 10:00:43
Mn2576	257.610	Multiple	Standards	55.8434	.062431	10/13/98 10:00:43
Ni2316	231.604	Multiple	Standards	11.2751	.297006	10/13/98 10:00:43
K_7664	766.491	STD2	STD1-Blank	.713895	-.238224	10/13/98 10:00:43
Ag3280	328.068	Multiple	Standards	60.5334	7.58701	10/13/98 10:00:43
Na3302	330.232	STD2	STD1-Blank	.740396	-.002374	10/13/98 10:00:43
Tl1908	190.864	Multiple	Standards	91.0652	4.50289	10/13/98 10:00:43
V_2924	292.402	Multiple	Standards	144.791	.267121	10/13/98 10:00:43
Zn2138	213.856	Multiple	Standards	39.3364	-2.29083	10/13/98 10:00:43
Mo2020	202.030	Multiple	Standards	30.6505	.769860	10/13/98 10:00:43
P_1782	178.287	Multiple	Standards	108.894	-17.5623	10/13/98 10:00:43
Sr4215	421.552	Multiple	Standards	9.60611	-.142997	10/13/98 10:00:43
Sn1899	189.989	Multiple	Standards	38.6083	-.228279	10/13/98 10:00:43
Ti3349	334.941	Multiple	Standards	13.7881	8.39948	10/13/98 10:00:43
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
2203/1	220.351	Multiple	Standards	9.44927	-7.95290	10/13/98 10:00:43
2203/2	220.352	Multiple	Standards	37.8646	4.73136	10/13/98 10:00:43
2068/1	206.831	Multiple	Standards	76.8816	9.24247	10/13/98 10:00:43
2068/2	206.832	Multiple	Standards	303.767	-8.41155	10/13/98 10:00:43
1960/1	196.021	Multiple	Standards	38.8901	-4.19751	10/13/98 10:00:43
1960/2	196.022	Multiple	Standards	51.8475	-1.51816	10/13/98 10:00:43
B_2496	249.678	Multiple	Standards	75.7941	.446211	10/13/98 10:00:43

Method: SW846

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-Blank	.000000	9.23352	-9.23352
		STD4	50000.0	49044.3	955.684
		STD3	250000.	247594.	2406.03
		STD2	500000.	514822.	-14822.3

CorCoef: 0.99980

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-Blank	.000000	.136233	-.136233
		STD4	1000.00	985.702	14.2977
		STD3	5000.00	4966.38	33.6196
		STD2	10000.0	10212.7	-212.707

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4394	439.409	STD1-Blank	.000000	.155198	-.155198
		STD4	2000.00	1986.07	13.9272
		STD3	10000.0	9858.49	141.513
		STD2	20000.0	20426.9	-426.947

CorCoef: 0.99983

			Known	Measured	Residual

304410

Element	Wavelength	Standard	Concentration	Concentration	Concentration
Be3130	313.042	STD1-Blank	.000000	.010035	-.010035
		STD4	200.000	198.087	1.91324
		STD3	1000.00	986.270	13.7299
		STD2	2000.00	2016.80	-16.8025

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD1-Blank	.000000	-.038451	.038451
		STD4	500.000	506.900	-6.90033
		STD3	2500.00	2490.94	9.05981
		STD2	5000.00	5014.64	-14.6377

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD1-Blank	.000000	-1.15697	1.15697
		STD4	25000.0	25151.1	-151.084
		STD3	125000.	123986.	1013.88
		STD2	250000.	250517.	-516.922

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD1-Blank	.000000	.075774	-.075774
		STD4	1000.00	992.902	7.09796
		STD3	5000.00	4950.54	49.4634
		STD2	10000.0	10175.9	-175.906

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD1-Blank	.000000	-.016332	.016332
		STD4	500.000	505.498	-5.49802
		STD3	2500.00	2483.40	16.6021
		STD2	5000.00	5067.71	-67.7134

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	STD1-Blank	.000000	.838810	-.838810
		STD4	2500.00	2411.06	88.9436
		STD3	12500.0	12340.8	159.235
		STD2	25000.0	26227.3	-1227.32

CorCoef: 0.99953

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD1-Blank	.000000	.383541	-.383541
		STD4	20000.0	20031.7	-31.6895
		STD3	100000.	98041.5	1958.53
		STD2	200000.	204442.	-4442.19

CorCoef: 0.99976

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD1-Blank	.000000	8.03011	-8.03011
		STD4	25000.0	24126.5	873.545
		STD3	125000.	124159.	841.016
		STD2	250000.	260418.	-10417.5

CorCoef: 0.99971

304411

			Known	Measured	Residual

Element	Wavelength	Standard	Concentration	Concentration	Concentration
Mn2576	257.610	STD1-Blank	.000000	.036748	-.036748
		STD4	1000.00	997.384	2.61566
		STD3	5000.00	4961.19	38.8135
		STD2	10000.0	10120.1	-120.118

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD1-Blank	.000000	-.041430	.041430
		STD4	500.000	504.663	-4.66327
		STD3	2500.00	2467.43	32.5706
		STD2	5000.00	5000.58	-.583496

CorCoef: 0.99997

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD1-Blank	2.60000	3.97569	-1.37569
		STD2	143.640	201.539	-57.8996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD1-Blank	.000000	.095696	-.095696
		STD4	250.000	239.858	10.1416
		STD3	1250.00	1233.99	16.0092
		STD2	2500.00	2637.09	-137.094

CorCoef: 0.99944

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	STD1-Blank	.023000	.034271	-.011271
		STD2	21.0913	28.4898	-7.39844

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD1-Blank	.000000	-.032742	.032742
		STD4	1000.00	1007.19	-7.19171
		STD3	5000.00	4968.33	31.6680
		STD2	10000.0	10068.4	-68.3711

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD1-Blank	.000000	.090885	-.090885
		STD4	500.000	489.338	10.6621
		STD3	2500.00	2478.12	21.8826
		STD2	5000.00	5122.04	-122.037

CorCoef: 0.99986

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2138	213.856	STD1-Blank	.000000	.008520	-.008520
		STD4	500.000	505.134	-5.13422
		STD3	2500.00	2510.98	-10.9841
		STD2	5000.00	5097.46	-97.4634

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-Blank	.000000	.056524	-.056524
		STD4	500.000	494.279	5.72150
		STD3	2500.00	2474.85	25.1531
		STD2	5000.00	5107.52	-107.521

304412

CorCoef: 0.99987

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P_1782	178.287	STD1-Blank	.000000	.175967	-.175967
		STD4	500.000	479.643	20.3574
		STD3	2500.00	2586.25	-86.2532
		STD2	5000.00	5061.07	-61.0674

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	STD1-Blank	.000000	-.036980	.036980
		STD4	1000.00	1007.41	-7.41284
		STD3	5000.00	4951.58	48.4238
		STD2	10000.0	10082.9	-82.8701

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD1-Blank	.000000	.013804	-.013804
		STD4	200.000	195.188	4.81184
		STD3	1000.00	978.512	21.4883
		STD2	2000.00	1989.69	10.3053

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	STD1-Blank	.000000	.431463	-.431463
		STD4	2000.00	1957.40	42.5970
		STD3	10000.0	9855.83	144.170
		STD2	20000.0	20775.0	-774.936

CorCoef: 0.99965

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

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

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

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD1-Blank	.000000	.035994	-.035994
		STD4	2000.00	2016.48	-16.4840
		STD3	10000.0	9978.29	21.7061
		STD2	20000.0	20418.6	-418.596

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD1-Blank	.000000	-.128983	.128983
		STD4	2000.00	2007.19	-7.18738
		STD3	10000.0	9881.07	118.934

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	STD2	20000.0	19901.7	98.2578

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/1	206.831	STD1-Blank	.000000	.005125	-.005125
		STD4	200.000	208.734	-8.73422
		STD3	1000.00	1026.09	-26.0858
		STD2	2000.00	2127.34	-127.336

CorCoef: 0.99982

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/2	206.832	STD1-Blank	.000000	.099341	-.099341
		STD4	200.000	190.846	9.15353
		STD3	1000.00	1007.50	-7.50201
		STD2	2000.00	2131.91	-131.909

CorCoef: 0.99959

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD1-Blank	.000000	.162395	-.162395
		STD4	1000.00	982.846	17.1542
		STD3	5000.00	4940.97	59.0313
		STD2	10000.0	10278.2	-278.207

CorCoef: 0.99980

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	STD1-Blank	.000000	.056702	-.056702
		STD4	1000.00	984.900	15.1005
		STD3	5000.00	4907.01	92.9893
		STD2	10000.0	10043.6	-43.5840

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD1-Blank	.000000	.032517	-.032517
		STD4	200.000	197.381	2.61861
		STD3	1000.00	990.002	9.99768
		STD2	2000.00	2067.03	-67.0315

CorCoef: 0.99976

Method: SW846 Sample Name: HSA Operator:
Run Time: 10/13/98 10:07:46
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	496200.	9928.	19650.	1967.	4832.	241700.	9842.
SDev	130.	94.	77.	16.	60.	1912.	66.
%RSD	.0262	.9433	.3898	.8120	1.251	.7912	.6696
#1	496100.	9994.	19600.	1979.	4875.	243100.	9888.
#2	496300.	9861.	19710.	1956.	4790.	240400.	9795.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	527200.	10540.	21080.	2108.	5272.	263600.	10540.
Low	472800.	9460.	18920.	1892.	4728.	236400.	9460.

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4833.	25650.	191300.	250000.	9831.	4828.	96970.
SDev	36.	4.	588.	2112.	58.	40.	37.
%RSD	.7458	.0142	.3075	.8447	.5898	.8341	.0379
#1	4858.	25640.	191700.	251500.	9872.	4857.	97000.
#2	4807.	25650.	190800.	248500.	9790.	4800.	96950.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5272.	26360.	210800.	263600.	10540.	5272.	105400.
Low	4728.	23640.	189200.	236400.	9460.	4728.	94600.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2560.	241700.	9711.	5026.	4885.	4954.	5211.
SDev	2.	255.	39.	28.	38.	21.	77.
%RSD	.0605	.1054	.4062	.5588	.7871	.4248	1.473
#1	2561.	241500.	9739.	5046.	4913.	4969.	5157.
#2	2558.	241900.	9683.	5007.	4858.	4940.	5266.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	263600.	10540.	5272.	5272.	5272.	5272.
Low	2364.	236400.	9460.	4728.	4728.	4728.	4728.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	9728.	1979.	19920.	19480.	9872.	2006.	19470.
SDev	19.	19.	30.	271.	87.	18.	200.
%RSD	.1949	.9357	.1486	1.390	.8856	.8825	1.027
#1	9714.	1992.	19940.	19670.	9933.	2019.	19620.
#2	9741.	1966.	19900.	19290.	9810.	1994.	19330.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10540.	2108.	21080.	21080.	10540.	2108.	
Low	9460.	1892.	18920.	18920.	9460.	1892.	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	19480.	1982.	2054.	9901.	9857.	1993.
SDev	306.	18.	17.	43.	110.	8.
%RSD	1.571	.9175	.8148	.4304	1.114	.3998
#1	19700.	1995.	2066.	9931.	9934.	1999.
#2	19270.	1969.	2042.	9871.	9779.	1988.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						2108.
Low						1892.

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

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Avge	997	--	--	--	--	--	--
SDev	.6262671	--	--	--	--	--	--
%RSD	.0828729	--	--	--	--	--	--
#1	998	--	--	--	--	--	--
#2	996	--	--	--	--	--	--

Method: SW846 Sample Name: ICV/CCV1 Operator:
Run Time: 10/13/98 10:13:07
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	248300.	4840.	9911.	963.5	2387.	119800.	4817.
SDev	423.	16.	26.	.2	.	15.	3.
%RSD	.1703	.3363	.2618	.0180	.0042	.0127	.0596
#1	248000.	4851.	9892.	963.4	2387.	119800.	4815.
#2	248600.	4828.	9929.	963.6	2387.	119800.	4819.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2400.	12350.	95470.	120100.	4851.	2400.	47040.
SDev	4.	6.	347.	119.	.	4.	76.
%RSD	.1741	.0477	.3630	.0993	.0087	.1767	.1612
#1	2397.	12340.	95230.	120000.	4851.	2397.	46990.
#2	2403.	12350.	95720.	120200.	4852.	2403.	47100.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1230.	120300.	4855.	2434.	2421.	2429.	2453.
SDev	1.	141.	2.	.	1.	3.	31.
%RSD	.1166	.1169	.0394	.0057	.0223	.1315	1.267
#1	1229.	120200.	4857.	2434.	2421.	2427.	2475.
#2	1231.	120400.	4854.	2434.	2422.	2431.	2431.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	2760.
Low	1120.	112000.	4478.	2239.	2239.	2239.	2239.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	4923.	962.3	9716.	9584.	4855.	975.0	9641.
SDev	12.	3.8	17.	8.	20.	6.2	9.
%RSD	.2380	.3998	.1732	.0878	.4139	.6385	.0900

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#1	4914.	965.0	9704.	9578.	4841.	970.6	9634.
#2	4931.	959.6	9728.	9590.	4870.	979.4	9647.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5520.	1104.	11040.	11040.	5520.	1104.	
Low	4478.	896.0	8960.	8960.	4478.	896.0	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	8_2496	
Units						ppb	
Avge	9555.	963.0	999.0	4878.	4844.	978.3	
SDev	8.	4.5	9.7	22.	19.	.4	
%RSD	.0867	.4679	.9678	.4577	.3919	.0374	
#1	9549.	959.8	992.1	4862.	4831.	978.0	
#2	9561.	966.1	1006.	4894.	4857.	978.6	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						1104.	
Low						896.0	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1046	--	--	--	--	--	--
SDev	4.655235	--	--	--	--	--	--
%RSD	.4452483	--	--	--	--	--	--
#1	1049	--	--	--	--	--	--
#2	1042	--	--	--	--	--	--

Method: SW846 Sample Name: IC8/CCB1 Operator:
Run Time: 10/13/98 10:18:27
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	63.02	.7882	2.792	.1733	.9952	31.55	1.437
SDev	1.65	.4308	.369	.0303	.1338	6.13	.550
%RSD	2.614	54.66	13.21	17.46	13.44	19.43	38.31
#1	64.18	1.093	3.052	.1947	1.090	35.88	1.826
#2	61.85	.4836	2.531	.1519	.9006	27.21	1.048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6882	H5.140	45.50	39.96	1.352	.4979	171.8
SDev	.2378	.564	4.19	4.11	.109	.3769	2.1
%RSD	34.55	10.98	9.215	10.29	8.058	75.69	1.244

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#1	.8563	H5.539	48.47	42.87	1.429	.2314	170.3
#2	.5201	4.741	42.54	37.06	1.275	.7644	173.3
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4000	-537.6	1.093	.3154	.4271	4.368	-2.900
SDev	.3397	205.2	.174	.8022	.1560	.987	.580
%RSD	84.94	38.17	15.89	254.3	36.54	22.59	20.01
#1	.6402	-392.5	1.216	.8827	.5375	5.066	-2.490
#2	.1597	-682.6	.9704	-.2518	.3168	3.670	-3.311
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	1.261	.9396	H5.163	H3.105	1.506	1.253	-1.831
SDev	.186	.7069	.146	.779	1.973	1.890	.341
%RSD	14.76	75.24	2.827	25.08	131.0	150.8	18.60
#1	1.392	1.439	H5.060	H3.656	2.900	-.0827	-1.591
#2	1.129	.4397	H5.266	2.554	.1107	2.590	-2.072
Errors	LC Pass	LC Pass	LC High	LC High	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	5.556	5.764	-7.803	-7.050	5.766	2.163	
SDev	.997	1.673	2.324	2.240	1.839	.192	
%RSD	17.95	29.02	29.78	31.77	31.90	8.897	
#1	6.261	4.581	-9.446	-5.466	7.066	2.026	
#2	4.851	6.947	-6.160	-8.633	4.465	2.299	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1103	--	--	--	--	--	--
SDev	1.450984	--	--	--	--	--	--
%RSD	.1315107	--	--	--	--	--	--
#1	1102	--	--	--	--	--	--
#2	1104	--	--	--	--	--	--

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Method: SW846 Sample Name: ICSA1 Operator:
Run Time: 10/13/98 10:23:47
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	516900.	-2.030	6.054	-.0888	L-3.948	473200.	1.392
SDev	781.	5.463	.133	.0276	.161	84.	.070
%RSD	.1510	269.1	2.195	31.08	4.072	.0178	5.013
#1	516400.	-5.893	6.148	-.0693	L-4.062	473300.	1.441
#2	517500.	1.833	5.960	-.1083	L-3.834	473200.	1.343
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8628	3.179	194600.	525300.	2.279	2.349	223.7
SDev	.1910	.178	506.	806.	.022	.156	19.0
%RSD	22.14	5.609	.2602	.1535	.9799	6.625	8.472
#1	.9979	3.305	194200.	525900.	2.295	2.238	237.1
#2	.7278	3.053	194900.	524700.	2.263	2.458	210.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9632	-983.0	-.0972	4.129	1.111	.4010	7.571
SDev	.2217	59.0	.1967	.487	.183	1.271	.132
%RSD	23.01	6.007	202.4	11.80	16.49	316.9	1.740
#1	.8064	-1025.	-.2363	4.473	1.241	-.4975	7.664
#2	1.120	-941.2	.0419	3.784	.9819	1.300	7.478
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	15.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-15.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	3.194	3.307	5.034	1.704	-1.616	1.613	-3.414
SDev	.072	.674	.813	.702	1.194	.019	.470
%RSD	2.262	20.39	16.16	41.21	73.89	1.185	13.76
#1	3.143	2.830	5.609	2.201	-.7715	1.626	-3.082
#2	3.246	3.784	4.458	1.208	-2.460	1.599	-3.747
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	10.00	10.00	5.000	10.00	10.00	

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Low	-5.000	-5.000	-5.000	-5.000	-10.00	-10.00
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	4.243	7.840	-10.88	-18.42	6.763	2.628
SDev	.822	1.936	3.82	5.43	4.503	.282
%RSD	19.36	24.70	35.10	29.50	66.58	10.72
#1	4.824	9.209	-13.59	-22.26	9.946	2.429
#2	3.662	6.471	-8.183	-14.58	3.579	2.827
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						15.00
Low						-15.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	955	--	--	--	--	--	--
SDev	.3627461	--	--	--	--	--	--
%RSD	.0379825	--	--	--	--	--	--
#1	955	--	--	--	--	--	--
#2	955	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA81 Operator:
Run Time: 10/13/98 10:29:08
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	511100.	97.79	114.6	98.94	92.56	458300.	100.4
SDev	1343.	2.33	.5	.09	.22	161.	.4
%RSD	.2627	2.385	.4311	.0878	.2416	.0352	.4202
#1	510200.	99.44	114.3	99.00	92.40	458400.	100.1
#2	512100.	96.14	115.0	98.88	92.72	458200.	100.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	97.99	109.0	193500.	512000.	102.0	96.73	10650.
SDev	.40	.2	1586.	535.	.0	.20	4.
%RSD	.4125	.2050	.8197	.1045	.0067	.2038	.0369
#1	97.70	109.1	192400.	511700.	102.0	96.87	10650.
#2	98.27	108.8	194600.	512400.	102.0	96.59	10660.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.

304420

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	107.7	11350.	100.8	104.6	103.6	102.3	L-.8314
SDev	.1	9.	5.4	.7	.0	.3	.2711
%RSD	.1165	.0837	5.321	.7018	.0425	.2450	32.61
#1	107.6	11360.	96.99	105.1	103.6	102.2	L-1.023
#2	107.8	11350.	104.6	104.1	103.6	102.5	L-.6397
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	113.2	97.52	107.3	99.02	101.0	100.6	87.88
SDev	.4	1.06	.4	1.80	5.1	3.8	5.36
%RSD	.3919	1.084	.3741	1.820	5.030	3.739	6.099
#1	112.9	96.77	107.0	100.3	104.6	97.89	91.67
#2	113.5	98.27	107.6	97.75	97.44	103.2	84.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	120.0	120.0	120.0	120.0	120.0	120.0	
Low	80.00	80.00	80.00	80.00	80.00	80.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	104.6	107.6	86.36	89.50	106.8	108.2
SDev	.0	2.5	6.27	1.28	7.0	1.0
%RSD	.0248	2.327	7.264	1.434	6.535	.9453
#1	104.6	105.9	81.93	90.41	111.7	107.5
#2	104.5	109.4	90.80	88.59	101.8	108.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						120.0
Low						80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	965	--	--	--	--	--	--
SDev	1.209168	--	--	--	--	--	--
%RSD	.1252604	--	--	--	--	--	--
#1	966	--	--	--	--	--	--
#2	964	--	--	--	--	--	--

Method: SW846 Sample Name: INT-20 Operator:
Run Time: 10/13/98 10:34:28
Comment: 5031T1

304421

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	96.94	-2.410	-1.600	2.917	-.0547	97.55	19300.
SDev	17.12	1.093	.110	.842	.0596	12.55	22.
%RSD	17.66	45.37	6.854	28.85	108.9	12.86	.1122
#1	109.0	-3.183	-1.522	2.322	-.0969	106.4	19280.
#2	84.83	-1.637	-1.677	3.512	-.0126	88.68	19310.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19500.	-1.454	-45.01	15.85	18390.	19400.	148.3
SDev	2.	.049	26.45	11.34	35.	1.	4.4
%RSD	.0101	3.383	58.77	71.58	.1891	.0052	2.988
#1	19500.	-1.419	-26.30	23.87	18370.	19400.	151.5
#2	19500.	-1.488	-63.71	7.825	18420.	19400.	145.2

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-2.869	-2750.	-2.973	19260.	-1.376	18840.	-4.829
SDev	.000	101.	.240	60.	.300	53.	.092
%RSD	.0065	3.662	8.072	.3095	21.81	.2839	1.905
#1	-2.869	-2821.	-3.142	19220.	-1.164	18800.	-4.895
#2	-2.869	-2679.	-2.803	19300.	-1.588	18880.	-4.764

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	17680.	18810.	19250.	6.954	-8.167	-17.02	-10.23
SDev	44.	24.	22.	.180	1.407	.59	2.01
%RSD	.2492	.1296	.1124	2.591	17.23	3.454	19.65
#1	17650.	18790.	19230.	7.082	-7.172	-17.43	-8.808
#2	17710.	18830.	19260.	6.827	-9.163	-16.60	-11.65

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	15.52	-4.007	-43.11	-17.46	-3.538	-.1285
SDev	.73	1.097	.43	.44	2.333	.0814
%RSD	4.701	27.37	1.001	2.541	65.92	63.36
#1	15.00	-4.782	-42.80	-17.78	-1.889	-.1861
#2	16.03	-3.231	-43.41	-17.15	-5.188	-.0710

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1077	--	--	--	--	--	--
SDev	2.136167	--	--	--	--	--	--
%RSD	.1982732	--	--	--	--	--	--
#1	1079	--	--	--	--	--	--
#2	1076	--	--	--	--	--	--

304422

Method: SW846 Sample Name: MCL Operator:
Run Time: 10/13/98 10:41:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	220.6	20.09	50.99	4.024	5.270	5075.	22.87
SDev	2.6	1.46	.12	.012	.080	17.	.51
%RSD	1.199	7.260	.2334	.2905	1.516	.3262	2.223
#1	218.7	21.12	50.90	4.015	5.327	5064.	23.23
#2	222.5	19.06	51.07	4.032	5.213	5087.	22.51

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	54.82	51.39	226.2	4926.	22.30	54.11	9493.
SDev	.13	1.13	6.8	21.	.15	.37	62.
%RSD	.2306	2.200	3.025	.4220	.6526	.6909	.6496
#1	54.73	50.59	221.4	4912.	22.41	54.37	9450.
#2	54.91	52.19	231.1	4941.	22.20	53.84	9537.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.70	10200.	22.22	52.84	51.49	52.56	208.7
SDev	.18	150.	1.17	.77	.17	1.48	2.7
%RSD	.9064	1.475	5.249	1.457	.3364	2.810	1.310
#1	19.83	10090.	21.39	53.39	51.37	53.61	210.6
#2	19.58	10310.	23.04	52.30	51.61	51.52	206.7

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	104.9	88.08	46.39	10.77	7.733	22.17	1.767
SDev	.2	.03	.99	.18	1.487	.93	3.046
%RSD	.2078	.0350	2.140	1.632	19.23	4.208	172.4
#1	104.8	88.11	45.69	10.64	6.682	21.51	-.3874
#2	105.1	88.06	47.09	10.89	8.784	22.83	3.920

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	15.25	26.76	12.96	-4.301	13.73	101.9
SDev	1.26	1.19	.42	5.364	.45	1.8
%RSD	8.244	4.451	3.211	124.7	3.270	1.795
#1	16.14	25.92	12.66	-8.094	14.05	100.6
#2	14.36	27.60	13.25	-.5084	13.41	103.2

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

304423

Avge	1072	--	--	--	--	--	--
SDev	1.874195	--	--	--	--	--	--
%RSD	.1749086	--	--	--	--	--	--
#1	1073	--	--	--	--	--	--
#2	1070	--	--	--	--	--	--

Method: SW846 Sample Name: BSS101298 Operator:
Run Time: 10/13/98 10:47:00
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1736.	1616.	1741.	43.97	44.31	17440.	178.3
SDev	12.	10.	5.	.44	.53	141.	.9
%RSD	.7054	.6258	.2802	1.005	1.186	.8083	.5234
#1	1728.	1609.	1737.	43.66	43.94	17340.	177.6
#2	1745.	1623.	1744.	44.28	44.68	17540.	179.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2400.	2400.	2400.	60.00	60.00	24000.	240.0
Low	1600.	1600.	1600.	40.00	40.00	16000.	160.0

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	439.5	215.3	906.6	16760.	434.7	437.7	L15510.
SDev	3.3	1.2	12.5	98.	3.7	2.1	48.
%RSD	.7492	.5793	1.379	.5863	.8549	.4847	.3082
#1	437.1	214.4	897.8	16690.	432.1	436.2	L15480.
#2	441.8	216.2	915.4	16830.	437.3	439.2	L15550.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	600.0	300.0	1200.	24000.	600.0	600.0	24000.
Low	400.0	200.0	800.0	16000.	400.0	400.0	16000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42.47	17470.	1738.	436.2	439.8	451.3	L9.774
SDev	.40	.	13.	3.3	3.0	.5	1.812
%RSD	.9339	.0006	.7418	.7568	.6927	.1044	18.54
#1	42.19	17470.	1729.	433.8	437.7	450.9	L8.493
#2	42.75	17470.	1747.	438.5	442.0	451.6	L11.05
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	60.00	24000.	2400.	600.0	600.0	600.0	1200.
Low	40.00	16000.	1600.	400.0	400.0	400.0	800.0

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	455.3	L326.0	439.6	433.4	1706.	415.7	430.1
SDev	2.0	1.6	2.8	3.2	8.	1.2	.9
%RSD	.4361	.4965	.6468	.7352	.4619	.2996	.2187

304424

#1	453.9	L324.9	437.6	431.1	1700.	414.8	429.5
#2	456.7	L327.2	441.6	435.6	1711.	416.6	430.8
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	600.0	600.0	600.0	2400.	600.0	
Low	400.0	400.0	400.0	400.0	1600.	400.0	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	435.0	412.6	421.9	1718.	1700.	430.5	
SDev	4.3	1.9	.0	3.	10.	2.2	
%RSD	.9903	.4494	.0063	.1787	.6049	.5022	
#1	431.9	411.3	421.9	1716.	1692.	428.9	
#2	438.0	413.9	422.0	1720.	1707.	432.0	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						600.0	
Low						400.0	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1037	--	--	--	--	--	--
SDev	2.599688	--	--	--	--	--	--
%RSD	.2507032	--	--	--	--	--	--
#1	1039	--	--	--	--	--	--
#2	1035	--	--	--	--	--	--

Method: SW846 Sample Name: P8S101298 Operator:
Run Time: 10/13/98 10:52:20
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.78	-.7516	.8015	-.0447	.3552	96.30	5.286
SDev	2.60	1.1028	.0971	.0043	.1918	1.85	.498
%RSD	8.732	146.7	12.11	9.641	54.00	1.922	9.422
#1	31.62	-1.531	.8702	-.0417	.4908	97.61	5.639
#2	27.94	.0282	.7329	-.0478	.2195	94.99	4.934
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	5.000	20.00	4.900	4.900	500.0	9.900
Low	-199.0	-5.000	-20.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4980	4.593	59.13	35.47	.8794	1.465	267.6
SDev	.5923	.008	4.54	.68	.0804	.336	3.3
%RSD	118.9	.1838	7.684	1.914	9.142	22.93	1.245

304425

#1	.9168	4.587	62.34	34.99	.9363	1.702	270.0
#2	.0792	4.599	55.91	35.95	.8226	1.227	265.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	9.900	9.900	99.00	500.0	9.900	9.900	1000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-500.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8825	-580.1	2.688	.6286	3.903	2.603	8.513
SDev	.5157	94.1	1.059	.6237	.045	.293	4.053
%RSD	58.43	16.22	39.38	99.22	1.145	11.26	47.61
#1	1.247	-513.6	3.437	1.070	3.871	2.810	11.38
#2	.5179	-646.6	1.940	.1876	3.935	2.395	5.647
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	4.900	1000.	9.900	9.900	15.00	10.00	20.00
Low	-4.900	-1000.	-9.900	-9.900	-9.900	-10.00	-20.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.4869	H17.70	6.233	2.262	-2.261	3.398	-5.776
SDev	.0422	2.30	.476	1.156	1.887	.267	.416
%RSD	8.675	12.99	7.629	51.11	83.46	7.865	7.207
#1	.5168	H19.33	6.569	H3.079	-3.596	3.209	-6.070
#2	.4570	H16.08	5.897	1.444	-.9269	3.587	-5.481
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	10.00	10.00	2.900	4.900	9.900	
Low	-3.000	-3.000	-5.000	-2.900	-4.900	-9.900	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	6.261	8.547	-6.939	-18.02	5.594	3.626	
SDev	1.941	.194	.413	3.87	.899	.326	
%RSD	31.00	2.275	5.956	21.46	16.06	8.998	
#1	7.634	8.410	-7.231	-20.75	4.958	3.856	
#2	4.889	8.685	-6.647	-15.28	6.229	3.395	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1025	--	--	--	--	--	--
SDev	4.191714	--	--	--	--	--	--
%RSD	.4091059	--	--	--	--	--	--
#1	1022	--	--	--	--	--	--
#2	1028	--	--	--	--	--	--

304426

Method: SW846 Sample Name: LCSS238A-2X Operator:
Run Time: 10/13/98 10:57:40
Comment: 5062_W
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21350.	313.5	450.0	178.7	305.5	8967.	340.1
SDev	189.	4.5	3.1	2.1	4.2	125.	4.7
%RSD	.8858	1.450	.6862	1.148	1.373	1.397	1.378
#1	21480.	316.7	452.2	180.1	308.4	9056.	343.4
#2	21210.	310.2	447.9	177.2	302.5	8878.	336.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39450.	463.5	760.0	269.5	515.0	16450.	499.5
Low	14250.	207.0	298.5	146.0	196.5	6050.	265.0

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	508.8	283.5	44740.	7387.	983.0	541.3	14160.
SDev	7.6	2.2	743.	98.	10.7	7.1	89.
%RSD	1.486	.7908	1.660	1.331	1.086	1.317	.6275
#1	514.2	285.1	45270.	7456.	990.6	546.3	14220.
#2	503.5	281.9	44220.	7317.	975.5	536.3	14100.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	790.0	442.5	63500.	12500.	1525.	800.0	28400.
Low	365.0	197.0	17350.	5800.	725.0	403.0	11700.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	555.0	4520.	573.2	247.8	354.1	365.7	1617.
SDev	3.6	281.	3.6	2.0	3.5	5.5	14.
%RSD	.6457	6.226	.6297	.8126	.9929	1.515	.8414
#1	557.6	4719.	575.8	249.2	356.5	369.6	1626.
#2	552.5	4321.	570.7	246.4	351.6	361.8	1607.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	940.0	7800.	920.0	375.0	575.0	520.0	
Low	370.5	2700.	369.0	194.0	253.5	256.5	

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	326.9	524.0	1412.	637.0	413.2	323.0	632.8
SDev	2.6	8.0	16.	8.5	5.8	3.4	9.6
%RSD	.8092	1.522	1.112	1.334	1.395	1.058	1.523
#1	328.7	529.7	1423.	643.0	417.3	325.4	639.6
#2	325.0	518.4	1401.	630.9	409.1	320.5	626.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	545.0	875.0	2380.	1030.	630.0	535.0	

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Low	237.0	242.0	695.0	440.5	306.5	60.00
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	639.0	324.5	319.8	397.3	421.1	316.5
SDev	7.9	5.0	.3	7.2	5.1	2.8
%RSD	1.240	1.533	.0915	1.805	1.202	.8812
#1	644.6	328.0	320.0	402.4	424.7	318.4
#2	633.4	321.0	319.6	392.2	417.5	314.5
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						560.0
Low						206.5

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1094	--	--	--	--	--	--
SDev	3.567039	--	--	--	--	--	--
%RSD	.3260757	--	--	--	--	--	--
#1	1091	--	--	--	--	--	--
#2	1096	--	--	--	--	--	--

Method: SW846 Sample Name: LCSS-238AD-2X Operator:
Run Time: 10/13/98 11:03:00
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23140.	344.3	482.5	192.2	326.5	9656.	368.1
SDev	156.	6.4	3.1	1.6	2.8	77.	3.2
%RSD	.6764	1.857	.6421	.8107	.8481	.7978	.8773
#1	23250.	348.8	484.7	193.3	328.4	9711.	370.4
#2	23030.	339.8	480.3	191.1	324.5	9602.	365.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	39450.	463.5	760.0	269.5	515.0	16450.	499.5
Low	14250.	207.0	298.5	146.0	196.5	6050.	265.0

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	542.1	307.6	48710.	7937.	1063.	581.1	15190.
SDev	3.9	1.1	275.	63.	9.	4.3	94.
%RSD	.7211	.3520	.5653	.7966	.8067	.7418	.6217
#1	544.9	308.4	48900.	7981.	1069.	584.1	15260.
#2	539.3	306.9	48510.	7892.	1057.	578.1	15130.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	790.0	442.5	63500.	12500.	1525.	800.0	28400.
Low	365.0	197.0	17350.	5800.	725.0	403.0	11700.

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Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	597.1	4757.	620.1	273.1	381.0	399.7	1954.
SDev	3.7	22.	5.5	2.2	3.2	3.9	9.
%RSD	.6257	.4553	.8856	.7943	.8284	.9684	.4697
#1	599.8	4742.	624.0	274.7	383.2	402.4	1947.
#2	594.5	4772.	616.2	271.6	378.8	396.9	1960.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	940.0	7800.	920.0	375.0	575.0	520.0	
Low	370.5	2700.	369.0	194.0	253.5	256.5	

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	351.0	573.4	1550.	683.4	448.9	354.0	671.9
SDev	2.0	9.7	9.	3.4	.0	.5	6.1
%RSD	.5751	1.691	.6072	.5004	.0006	.1278	.9123
#1	352.4	580.3	1557.	685.8	448.9	354.3	676.3
#2	349.6	566.6	1543.	681.0	448.9	353.7	667.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	545.0	875.0	2380.	1030.	630.0	535.0	
Low	237.0	242.0	695.0	440.5	306.5	60.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	8_2496
Units						ppb
Avge	689.1	356.5	349.1	433.3	456.7	343.0
SDev	2.1	1.9	5.1	1.9	1.0	2.9
%RSD	.2998	.5218	1.457	.4478	.2131	.8520
#1	690.6	355.2	352.6	434.7	456.0	345.0
#2	687.6	357.8	345.5	432.0	457.4	340.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						560.0
Low						206.5

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1029	--	--	--	--	--	--
SDev	4.655321	--	--	--	--	--	--
%RSD	.4522714	--	--	--	--	--	--
#1	1033	--	--	--	--	--	--
#2	1026	--	--	--	--	--	--

Method: SW846 Sample Name: 88244D-2X Operator:
Run Time: 10/13/98 11:08:21
Comment: 5010

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Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48880.	16.14	192.6	1.937	-.9554	2531.	82.09
SDev	914.	3.49	3.6	.046	.0496	53.	1.05
%RSD	1.871	21.61	1.865	2.371	5.188	2.110	1.275
#1	49520.	18.61	195.1	1.969	-.9204	2569.	82.83
#2	48230.	13.68	190.1	1.904	-.9905	2494.	81.35
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14.52	33.07	67100.	6648.	242.1	29.72	1423.
SDev	.08	.74	1295.	133.	4.9	.98	23.
%RSD	.5669	2.246	1.930	1.996	2.037	3.287	1.584
#1	14.58	33.60	68010.	6742.	245.6	30.42	1438.
#2	14.47	32.55	66180.	6554.	238.7	29.03	1407.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7657	565.2	3.891	122.0	79.10	3.118	650.1
SDev	.1827	229.9	.880	2.0	1.56	.457	17.9
%RSD	23.86	40.68	22.62	1.620	1.968	14.64	2.748
#1	.6365	727.8	3.269	123.4	80.20	3.441	662.8
#2	.8949	402.6	4.513	120.6	78.00	2.795	637.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	27.68	9.887	977.5	55.76	1.827	.9470	47.66
SDev	.60	1.235	18.5	1.49	1.663	2.760	2.40
%RSD	2.153	12.49	1.891	2.681	91.00	291.5	5.039
#1	28.10	10.76	990.5	56.81	.6514	-1.005	49.35
#2	27.26	9.013	964.4	54.70	3.003	2.899	45.96
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	59.79	7.398	-12.00	-13.75	9.594	3.994
SDev	1.04	1.987	4.31	.90	2.944	.207

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%RSD	1.739	26.85	35.92	6.565	30.68	5.176
#1	60.52	5.993	-15.05	-13.11	7.512	4.141
#2	59.05	8.803	-8.951	-14.39	11.68	3.848
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1015	--	--	--	--	--	--
SDev	1.168858	--	--	--	--	--	--
%RSD	.1151941	--	--	--	--	--	--
#1	1016	--	--	--	--	--	--
#2	1014	--	--	--	--	--	--

Method: SW846 Sample Name: 88244-2X Operator:
Run Time: 10/13/98 11:13:42
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	42340.	13.89	184.4	1.766	-.8358	2353.	71.25
SDev	507.	1.04	2.0	.047	.0828	29.	.43
%RSD	1.199	7.523	1.074	2.659	9.906	1.240	.6000
#1	41980.	13.15	183.0	1.733	-.7773	2333.	70.95
#2	42700.	14.63	185.8	1.799	-.8943	2374.	71.56
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.92	27.30	56150.	5999.	229.7	25.63	1117.
SDev	.30	.60	405.	82.	2.8	.81	16.
%RSD	2.315	2.183	.7206	1.359	1.237	3.177	1.450
#1	12.71	26.88	55870.	5941.	227.7	25.05	1106.
#2	13.13	27.72	56440.	6057.	231.7	26.20	1129.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2689	424.6	3.537	103.1	74.25	2.862	539.4
SDev	.3729	63.6	1.415	2.4	.61	.312	18.7
%RSD	138.7	14.98	40.02	2.374	.8245	10.91	3.472

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#1	.0052	379.6	4.538	101.3	73.82	3.083	526.1
#2	.5326	469.6	2.536	104.8	74.68	2.642	552.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	26.61	6.695	901.2	72.86	-1.052	2.241	65.96
SDev	.32	.521	11.1	.80	.280	1.024	.21
%RSD	1.192	7.780	1.237	1.104	26.61	45.70	.3149
#1	26.39	6.327	893.3	72.29	-.8540	2.966	66.11
#2	26.84	7.063	909.1	73.43	-1.250	1.517	65.82
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	76.29	7.365	-8.043	-15.97	6.382	3.342	
SDev	1.31	.624	1.825	3.32	1.237	.121	
%RSD	1.716	8.478	22.69	20.79	19.39	3.613	
#1	75.36	7.806	-6.753	-13.62	5.507	3.257	
#2	77.22	6.923	-9.334	-18.31	7.257	3.427	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1061	--	--	--	--	--	--
SDev	7.295232	--	--	--	--	--	--
%RSD	.6873236	--	--	--	--	--	--
#1	1067	--	--	--	--	--	--
#2	1056	--	--	--	--	--	--

Method: SW846 Sample Name: CCV2 Operator:
Run Time: 10/13/98 11:19:03
Comment: 502771
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	246900.	5001.	9950.	996.6	2470.	123200.	4947.
SDev	116.	21.	19.	3.2	11.	467.	14.
%RSD	.0471	.4293	.1909	.3168	.4463	.3788	.2859

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#1	247000.	5016.	9936.	998.8	2478.	123500.	4957.
#2	246800.	4985.	9963.	994.4	2462.	122900.	4937.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2447.	12470.	95440.	123100.	4978.	2469.	47090.
SDev	8.	3.	105.	475.	12.	8.	18.
%RSD	.3278	.0218	.1097	.3859	.2443	.3210	.0379
#1	2453.	12470.	95520.	123400.	4987.	2475.	47080.
#2	2441.	12460.	95370.	122700.	4970.	2464.	47110.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1284.	118600.	4943.	2509.	2481.	2478.	2684.
SDev	.	589.	17.	7.	7.	5.	13.
%RSD	.0371	.4967	.3425	.2631	.3012	.1853	.4962
#1	1284.	119000.	4955.	2514.	2486.	2482.	2674.
#2	1285.	118200.	4931.	2504.	2476.	2475.	2693.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	2760.
Low	1120.	112000.	4478.	2239.	2239.	2239.	2239.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	4975.	998.4	9821.	9876.	4980.	993.3	9856.
SDev	5.	8.0	.	67.	31.	.1	55.
%RSD	.0934	.8021	.0024	.6776	.6243	.0065	.5573
#1	4972.	1004.	9821.	9923.	5002.	993.2	9895.
#2	4978.	992.7	9821.	9828.	4958.	993.3	9817.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5520.	1104.	11040.	11040.	5520.	1104.	
Low	4478.	896.0	8960.	8960.	4478.	896.0	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	9886.	987.3	1005.	4991.	4975.	993.0
SDev	73.	.7	1.	17.	38.	.5
%RSD	.7374	.0661	.1109	.3313	.7711	.0488
#1	9937.	986.9	1006.	5003.	5002.	993.4
#2	9834.	987.8	1004.	4980.	4948.	992.7
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass

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High						1104.	
Low						896.0	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1028	--	--	--	--	--	--
SDev	.0806198	--	--	--	--	--	--
%RSD	.0078424	--	--	--	--	--	--
#1	1028	--	--	--	--	--	--
#2	1028	--	--	--	--	--	--

Method: SW846 Sample Name: CCB2 Operator:
Run Time: 10/13/98 11:24:23
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44.40	-1.608	1.731	.1772	.5866	15.23	1.074
SDev	3.36	1.558	.180	.0033	.1845	1.55	.149
%RSD	7.561	96.88	10.41	1.874	31.45	10.19	13.89
#1	46.77	-.5065	1.859	.1795	.4561	16.32	.9680
#2	42.03	-2.710	1.604	.1748	.7170	14.13	1.179
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7094	3.505	H53.46	27.46	.8738	.5824	188.9
SDev	.0630	.028	.03	1.91	.0741	.0512	6.1
%RSD	8.885	.8002	.0495	6.962	8.474	8.789	3.230
#1	.6649	3.525	H53.48	28.82	.9262	.5462	184.5
#2	.7540	3.486	H53.45	26.11	.8215	.6186	193.2
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.097	-994.6	5.463	.8462	.3973	3.528	-2.095
SDev	.059	137.0	1.102	.9486	.0427	.579	2.039
%RSD	5.427	13.77	20.17	112.1	10.75	16.41	97.33
#1	1.139	-897.7	4.684	.1755	.3671	3.937	-.6533
#2	1.054	L-1091.	6.242	1.517	.4275	3.119	-3.537
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00

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Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.7026	.8973	H6.468	1.562	-2.602	3.409	-7.215
SDev	.0949	.1460	1.280	1.183	2.279	1.403	.584
%RSD	13.50	16.27	19.79	75.72	87.60	41.15	8.095
#1	.7697	.7940	H5.563	.7257	-4.213	2.417	-6.802
#2	.6355	1.001	H7.373	2.398	-.9901	4.400	-7.628
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	5.930	8.863	-7.538	-12.63	2.393	2.235
SDev	2.065	1.135	1.938	4.00	1.422	.482
%RSD	34.82	12.81	25.71	31.65	59.40	21.56
#1	4.470	8.060	-8.909	-15.46	1.388	1.895
#2	7.390	9.666	-6.168	-9.803	3.399	2.576
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						15.00
Low						-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1100	--	--	--	--	--	--
SDev	3.103518	--	--	--	--	--	--
%RSD	.2820101	--	--	--	--	--	--
#1	1098	--	--	--	--	--	--
#2	1103	--	--	--	--	--	--

Method: SW846 Sample Name: 88244L-2X Operator:
Run Time: 10/13/98 11:29:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8564.	1.062	37.62	.4039	.0833	493.1	14.66
SDev	14.	1.442	.07	.0347	.0004	6.2	.00
%RSD	.1581	135.8	.1907	8.597	.4567	1.262	.0248
#1	8555.	2.082	37.67	.4285	.0836	497.5	14.67
#2	8574.	.0425	37.57	.3794	.0830	488.7	14.66
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.535	8.249	11470.	1244.	46.71	5.401	404.4
SDev	.003	.510	73.	15.	.34	.040	22.6
%RSD	.1361	6.188	.6357	1.184	.7371	.7380	5.582
#1	2.538	7.888	11520.	1255.	46.96	5.429	420.4
#2	2.533	8.610	11410.	1234.	46.47	5.372	388.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5852	-743.9	2.062	20.82	15.50	1.826	123.6
SDev	.2010	89.3	1.105	.65	.03	.271	4.6
%RSD	34.35	12.00	53.60	3.117	.1680	14.86	3.693
#1	.7274	-807.1	2.844	21.28	15.52	2.017	120.4
#2	.4431	-680.8	1.280	20.36	15.49	1.634	126.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5.516	2.073	186.1	15.25	-3.380	2.949	6.929
SDev	.043	.698	.4	.93	1.194	2.839	.217
%RSD	.7852	33.67	.2301	6.123	35.33	96.26	3.137
#1	5.547	1.580	186.4	15.91	-4.225	4.956	6.775
#2	5.485	2.567	185.8	14.59	-2.536	.9417	7.083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	19.39	8.986	-9.166	-17.34	3.578	1.826
SDev	1.51	3.049	2.417	1.12	1.234	.657
%RSD	7.794	33.93	26.37	6.434	34.48	35.99
#1	20.46	11.14	-7.456	-18.13	2.705	1.361
#2	18.32	6.830	-10.87	-16.55	4.450	2.291
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

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

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Wavlen	371.030	--	--	--	--	--	--
Avge	1067	--	--	--	--	--	--
SDev	3.123630	--	--	--	--	--	--
%RSD	.2928513	--	--	--	--	--	--
#1	1069	--	--	--	--	--	--
#2	1064	--	--	--	--	--	--

Method: SW846 Sample Name: 88244MS-2X Operator:
Run Time: 10/13/98 11:35:04
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	69920.	924.4	1222.	27.59	23.97	12510.	210.5
SDev	284.	8.2	7.	.33	.22	147.	1.9
%RSD	.4060	.8875	.5409	1.189	.9274	1.174	.9221
#1	70120.	930.2	1226.	27.82	24.13	12620.	211.9
#2	69720.	918.6	1217.	27.35	23.81	12410.	209.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	270.8	158.4	77140.	18010.	540.1	292.7	10990.
SDev	3.1	.4	765.	185.	5.7	3.4	73.
%RSD	1.139	.2784	.9912	1.025	1.056	1.165	.6637
#1	273.0	158.7	77680.	18140.	544.2	295.1	11040.
#2	268.6	158.1	76600.	17880.	536.1	290.3	10940.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24.77	10960.	994.7	381.9	355.2	248.3	678.9
SDev	.03	95.	3.7	4.2	2.9	.3	8.1
%RSD	.1133	.8700	.3680	1.105	.8064	.1321	1.189
#1	24.75	11030.	997.3	384.9	357.3	248.5	684.6
#2	24.79	10890.	992.1	378.9	353.2	248.1	673.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	300.5	187.1	1175.	307.3	960.0	120.4	297.7
SDev	1.9	1.0	10.	2.7	9.4	3.8	3.7

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%RSD	.6351	.5460	.8627	.8738	.9831	3.140	1.229
#1	301.8	187.8	1182.	309.2	966.7	123.1	300.3
#2	299.1	186.4	1167.	305.4	953.3	117.7	295.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	312.1	126.4	108.4	946.4	966.8	213.0	
SDev	2.2	3.0	5.4	6.7	10.8	.5	
%RSD	.7053	2.337	5.015	.7066	1.118	.2262	
#1	313.7	128.4	112.3	951.1	974.5	213.3	
#2	310.6	124.3	104.6	941.7	959.2	212.6	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1035	--	--	--	--	--	--
SDev	.8464220	--	--	--	--	--	--
%RSD	.0817794	--	--	--	--	--	--
#1	1034	--	--	--	--	--	--
#2	1036	--	--	--	--	--	--

Method: SW846 Sample Name: 88244MSD-2X Operator:
Run Time: 10/13/98 11:40:24
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	57390.	909.0	1182.	27.00	23.60	12360.	190.3
SDev	1235.	25.7	27.	.72	.46	328.	4.4
%RSD	2.152	2.825	2.250	2.655	1.958	2.652	2.337
#1	58260.	927.2	1201.	27.50	23.93	12590.	193.4
#2	56520.	890.8	1164.	26.49	23.28	12130.	187.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	262.7	152.4	66380.	16810.	505.2	280.3	10010.
SDev	6.7	3.6	1657.	414.	13.2	6.4	194.
%RSD	2.540	2.370	2.496	2.461	2.612	2.291	1.941

304438

#1	267.4	154.9	67550.	17100.	514.5	284.8	10150.
#2	257.9	149.8	65210.	16520.	495.8	275.7	9872.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.59	10600.	982.4	362.9	333.0	247.5	637.7
SDev	.29	88.	22.7	8.5	7.7	6.1	2.6
%RSD	1.238	.8267	2.313	2.336	2.307	2.454	.4090
#1	23.80	10670.	998.5	368.9	338.4	251.8	635.9
#2	23.39	10540.	966.4	356.9	327.5	243.2	639.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	293.4	178.4	964.4	301.3	939.2	115.1	288.4
SDev	6.9	5.4	22.9	8.5	23.1	3.7	8.1
%RSD	2.360	3.006	2.377	2.807	2.457	3.175	2.803
#1	298.3	182.2	980.6	307.3	955.5	117.7	294.1
#2	288.5	174.6	948.2	295.3	922.9	112.5	282.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	307.7	120.4	104.4	920.3	948.6	196.0	
SDev	8.6	5.4	.1	23.9	22.7	5.4	
%RSD	2.810	4.510	.0907	2.597	2.390	2.733	
#1	313.8	124.2	104.5	937.2	964.6	199.7	
#2	301.6	116.6	104.3	903.4	932.6	192.2	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1040	--	--	--	--	--	--
SDev	3.022899	--	--	--	--	--	--
%RSD	.2907209	--	--	--	--	--	--
#1	1038	--	--	--	--	--	--

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#2	1042	--	--	--	--	--	--

Method: SW846 Sample Name: 88244A-2X Operator:
Run Time: 10/13/98 11:45:44
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46460.	1765.	2112.	50.34	46.53	21450.	265.6
SDev	548.	11.	8.	.22	.10	84.	.6
%RSD	1.180	.6479	.3698	.4280	.2089	.3918	.2121
#1	46840.	1757.	2107.	50.19	46.46	21390.	265.2
#2	46070.	1773.	2118.	50.49	46.59	21510.	266.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	490.1	262.2	60310.	24640.	714.5	504.6	17470.
SDev	2.7	1.1	522.	8.	.2	1.9	62.
%RSD	.5442	.4309	.8651	.0333	.0276	.3748	.3566
#1	488.2	261.4	60680.	24630.	714.4	503.3	17430.
#2	492.0	263.0	59940.	24640.	714.7	506.0	17520.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46.23	19700.	1899.	581.9	545.0	487.9	610.5
SDev	.69	117.	19.	1.3	1.3	3.9	16.7
%RSD	1.489	.5955	1.025	.2244	.2374	.7903	2.734
#1	45.74	19620.	1885.	581.0	544.1	485.2	622.3
#2	46.72	19790.	1912.	582.8	545.9	490.6	598.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	531.5	331.8	1417.	545.2	1846.	454.7	537.5
SDev	2.7	.2	6.	2.7	6.	3.0	5.7
%RSD	.5070	.0540	.4269	.5023	.3128	.6674	1.052
#1	529.6	331.9	1421.	543.2	1842.	452.5	533.6
#2	533.5	331.7	1413.	547.1	1850.	456.8	541.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

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High	10000.	2000.	100000.	20000.	10000.	2000.
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	548.9	454.5	455.1	1844.	1847.	482.8
SDev	1.3	1.6	5.9	22.	2.	2.6
%RSD	.2340	.3576	1.287	1.192	.1253	.5401
#1	548.0	453.3	451.0	1828.	1848.	480.9
#2	549.8	455.6	459.2	1859.	1845.	484.6
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1052	--	--	--	--	--	--
SDev	1.753268	--	--	--	--	--	--
%RSD	.1667180	--	--	--	--	--	--
#1	1050	--	--	--	--	--	--
#2	1053	--	--	--	--	--	--

Method: SW846 Sample Name: 89253-2X Operator:
Run Time: 10/13/98 11:51:04
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	33560.	104.4	223.2	3.402	.2870	5749.	183.6
SDev	406.	1.7	2.8	.021	.0525	67.	2.2
%RSD	1.211	1.675	1.248	.6048	18.28	1.159	1.196
#1	33850.	105.6	225.2	3.416	.3241	5796.	185.2
#2	33270.	103.1	221.3	3.387	.2499	5702.	182.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23.59	479.8	92940.	11130.	491.8	69.43	4191.
SDev	.22	4.9	1474.	154.	5.5	.56	54.
%RSD	.9151	1.022	1.586	1.387	1.112	.8080	1.278
#1	23.44	483.2	93980.	11240.	495.6	69.83	4229.
#2	23.74	476.3	91900.	11020.	487.9	69.03	4153.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.

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Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.358	16920.	8.173	151.5	592.9	7.626	H5719.
SDev	.542	99.	.122	.9	5.8	.234	71.
%RSD	7.370	.5865	1.496	.6121	.9749	3.065	1.244
#1	6.975	16990.	8.260	152.2	596.9	7.791	H5770.
#2	7.742	16850.	8.087	150.9	588.8	7.461	H5669.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	169.3	39.84	2182.	339.6	7.275	5.427	332.0
SDev	2.0	.94	27.	5.3	1.102	.659	7.3
%RSD	1.153	2.351	1.253	1.550	15.15	12.14	2.187
#1	170.7	39.18	2201.	343.3	6.496	4.961	337.1
#2	167.9	40.50	2163.	335.8	8.054	5.893	326.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	343.3	12.47	-8.700	-7.474	14.63	48.15	
SDev	4.3	1.26	4.492	.304	1.80	.67	
%RSD	1.242	10.07	51.64	4.065	12.33	1.384	
#1	346.4	13.36	-11.88	-7.259	13.35	48.62	
#2	340.3	11.58	-5.523	-7.689	15.90	47.67	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1069	--	--	--	--	--	--
SDev	4.816388	--	--	--	--	--	--
%RSD	.4507584	--	--	--	--	--	--
#1	1065	--	--	--	--	--	--
#2	1072	--	--	--	--	--	--

Method: SW846 Sample Name: 89254-2X Operator:
Run Time: 10/13/98 11:56:25

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Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46340.	97.82	242.3	3.891	-.6267	7282.	229.0
SDev	1115.	5.32	4.7	.084	.0752	166.	4.7
%RSD	2.406	5.441	1.924	2.151	11.99	2.281	2.068
#1	47130.	101.6	245.6	3.951	-.5735	7400.	232.3
#2	45550.	94.06	239.0	3.832	-.6798	7165.	225.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28.33	581.7	96220.	13840.	646.2	84.01	5422.
SDev	.60	14.0	1893.	313.	13.8	1.05	140.
%RSD	2.113	2.402	1.967	2.261	2.135	1.248	2.576
#1	28.76	591.6	97560.	14060.	655.9	84.75	5520.
#2	27.91	571.8	94880.	13610.	636.4	83.27	5323.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.946	20020.	5.391	173.2	633.8	7.631	H5853.
SDev	.161	647.	.559	4.2	13.4	.053	32.
%RSD	2.313	3.234	10.36	2.408	2.114	.7000	.5519
#1	7.060	20480.	5.786	176.2	643.3	7.593	H5876.
#2	6.833	19570.	4.996	170.3	624.4	7.668	H5831.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	235.3	47.70	2581.	398.6	8.979	5.471	386.8
SDev	4.7	1.95	53.	8.6	.549	.453	7.5
%RSD	2.011	4.086	2.057	2.148	6.111	8.277	1.927
#1	238.7	49.08	2619.	404.7	9.367	5.151	392.1
#2	232.0	46.32	2544.	392.6	8.591	5.791	381.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	404.5	13.87	-11.37	-10.74	18.81	63.86

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SDev	9.1	.52	2.40	3.10	2.37	1.56
%RSD	2.253	3.733	21.08	28.91	12.61	2.439
#1	411.0	14.23	-13.06	-12.93	20.49	64.96
#2	398.1	13.50	-9.675	-8.542	17.13	62.76
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1053	--	--	--	--	--	--
SDev	.3023676	--	--	--	--	--	--
%RSD	.0287085	--	--	--	--	--	--
#1	1053	--	--	--	--	--	--
#2	1053	--	--	--	--	--	--

Method: SW846 Sample Name: 89255-2X Operator:
Run Time: 10/13/98 12:01:45
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26890.	69.96	141.4	3.127	1.090	4288.	147.5
SDev	287.	.64	2.0	.062	.062	74.	2.1
%RSD	1.066	.9179	1.390	1.987	5.695	1.732	1.399
#1	27090.	70.41	142.8	3.171	1.134	4340.	148.9
#2	26690.	69.51	140.0	3.083	1.046	4235.	146.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28.85	406.4	97420.	11470.	494.1	69.84	3549.
SDev	.30	5.5	1372.	181.	7.6	1.58	37.
%RSD	1.035	1.358	1.409	1.575	1.530	2.260	1.039
#1	29.07	410.3	98390.	11600.	499.5	70.95	3575.
#2	28.64	402.5	96450.	11340.	488.8	68.72	3523.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.929	16080.	4.436	343.9	713.1	8.655	3361.
SDev	.180	78.	.283	6.2	9.4	.312	114.

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%RSD	2.594	.4830	6.372	1.802	1.323	3.608	3.388
#1	7.056	16130.	4.636	348.2	719.7	8.876	3442.
#2	6.802	16020.	4.236	339.5	706.4	8.434	3281.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	90.40	32.80	1530.	300.7	5.698	5.450	290.8
SDev	1.25	.60	24.	4.0	.521	.208	5.1
%RSD	1.378	1.822	1.543	1.331	9.140	3.815	1.745
#1	91.28	33.23	1547.	303.6	6.066	5.597	294.4.
#2	89.51	32.38	1513.	297.9	5.330	5.303	287.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	305.7	11.49	-6.666	-15.30	16.17	37.55
SDev	3.5	.05	.534	2.33	.38	.98
%RSD	1.135	.3930	8.009	15.24	2.370	2.618
#1	308.1	11.52	-6.289	-13.65	15.90	38.24
#2	303.2	11.46	-7.044	-16.95	16.44	36.85
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1058	--	--	--	--	--	--
SDev	2.055547	--	--	--	--	--	--
%RSD	.1942223	--	--	--	--	--	--
#1	1057	--	--	--	--	--	--
#2	1060	--	--	--	--	--	--

Method: SW846 Sample Name: 88243-2X Operator:
Run Time: 10/13/98 12:07:06
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53330.	15.45	198.7	2.224	-.8244	1582.	89.96
SDev	1297.	2.22	4.6	.036	.1462	38.	2.36

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%RSD	2.432	14.36	2.337	1.639	17.74	2.378	2.625
#1	54250.	13.88	202.0	2.250	-.9278	1609.	91.63
#2	52410.	17.02	195.4	2.198	-.7210	1556.	88.29
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	12.58	28.52	64970.	6558.	216.5	28.83	1659.
SDev	.12	.74	1720.	156.	5.1	.45	42.
%RSD	.9708	2.582	2.648	2.375	2.362	1.555	2.561
#1	12.66	29.04	66180.	6668.	220.1	29.15	1689.
#2	12.49	28.00	63750.	6447.	212.8	28.51	1629.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3000	443.2	3.999	108.0	117.9	2.085	889.0
SDev	.0445	99.9	1.115	3.0	1.6	.346	4.3
%RSD	14.82	22.55	27.88	2.770	1.395	16.57	.4824
#1	.3315	372.5	4.788	110.1	119.1	1.841	892.1
#2	.2686	513.8	3.211	105.9	116.7	2.329	886.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	29.16	6.601	786.6	53.25	2.084	4.800	43.75
SDev	.66	.025	18.6	.38	1.136	1.665	2.18
%RSD	2.280	.3751	2.369	.7046	54.49	34.68	4.982
#1	29.63	6.583	799.8	52.99	1.281	5.978	42.21
#2	28.69	6.619	773.4	53.52	2.887	3.623	45.29
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	57.98	11.75	-9.143	-16.60	11.40	7.049	
SDev	.53	2.66	.323	.96	1.22	.445	
%RSD	.9096	22.62	3.533	5.780	10.73	6.308	
#1	58.35	13.63	-9.372	-17.28	10.54	6.735	
#2	57.61	9.872	-8.915	-15.92	12.27	7.364	

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

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1101	--	--	--	--	--	--
SDev	.9673518	--	--	--	--	--	--
%RSD	.0878352	--	--	--	--	--	--
#1	1102	--	--	--	--	--	--
#2	1101	--	--	--	--	--	--

Method: SW846 Sample Name: 88245-2X Operator:
Run Time: 10/13/98 12:12:26
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	48490.	18.55	246.2	1.931	-.2052	4983.	97.97
SDev	1292.	1.01	6.8	.057	.1327	170.	2.94
%RSD	2.664	5.442	2.782	2.962	64.64	3.412	3.002
#1	49410.	19.26	251.0	1.972	-.2991	5103.	100.0
#2	47580.	17.84	241.3	1.891	-.1114	4863.	95.89
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.86	40.44	65270.	6568.	414.0	34.73	1911.
SDev	.48	.92	2007.	213.	13.8	.11	65.
%RSD	3.050	2.274	3.074	3.240	3.330	.3029	3.387
#1	16.20	41.09	66690.	6718.	423.8	34.81	1957.
#2	15.52	39.79	63850.	6417.	404.3	34.66	1865.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7587	370.8	3.832	108.2	376.7	3.033	1195.
SDev	.3659	5.0	.614	3.8	10.1	.119	58.
%RSD	48.22	1.342	16.01	3.500	2.669	3.936	4.851
#1	.5000	367.3	3.398	110.9	383.9	3.117	1236.
#2	1.017	374.4	4.266	105.5	369.6	2.949	1154.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

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High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	36.10	18.41	765.0	546.9	-.3093	7.144	533.9
SDev	1.00	.83	23.5	13.5	.0298	.700	17.6
%RSD	2.771	4.493	3.067	2.466	9.619	9.800	3.293
#1	36.81	17.83	781.6	556.4	-.2883	6.649	546.3
#2	35.39	19.00	748.4	537.3	-.3303	7.639	521.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	553.3	14.71	-8.024	-19.58	9.302	9.841	
SDev	11.4	.49	1.113	3.78	1.841	.185	
%RSD	2.067	3.361	13.87	19.29	19.79	1.882	
#1	561.4	14.36	-8.810	-16.91	8.000	9.972	
#2	545.2	15.06	-7.237	-22.25	10.60	9.710	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1080	--	--	--	--	--	--
SDev	4.312644	--	--	--	--	--	--
%RSD	.3992529	--	--	--	--	--	--
#1	1077	--	--	--	--	--	--
#2	1083	--	--	--	--	--	--

Method: SW846 Sample Name: 88246-2X Operator:
Run Time: 10/13/98 12:17:47
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	25310.	14.44	202.2	1.293	-.1221	2870.	57.68
SDev	543.	.54	5.0	.004	.1090	75.	1.00
%RSD	2.146	3.714	2.485	.3177	89.25	2.603	1.739
#1	25700.	14.82	205.7	1.290	-.1991	2923.	58.39
#2	24930.	14.06	198.6	1.295	-.0450	2817.	56.98
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

304448

High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	51.62	30.87	44670.	3355.	2076.	18.12	918.9
SDev	1.11	.40	1237.	73.	49.	.55	33.7
%RSD	2.142	1.287	2.770	2.181	2.364	3.045	3.667
#1	52.40	31.15	45550.	3407.	2111.	18.51	942.8
#2	50.83	30.59	43800.	3303.	2042.	17.73	895.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2564	66.35	1.060	89.33	149.6	2.286	413.0
SDev	.5186	140.7	.955	1.71	2.4	.158	7.8
%RSD	202.3	212.1	90.07	1.918	1.607	6.925	1.900
#1	-.1103	-33.14	1.735	90.54	151.3	2.174	418.6
#2	.6231	165.8	.3848	88.12	147.9	2.398	407.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	27.66	12.96	586.4	142.3	-.1817	3.248	132.5
SDev	.60	.77	13.4	2.7	.2250	3.024	5.8
%RSD	2.160	5.971	2.290	1.872	123.8	93.10	4.402
#1	28.08	12.41	595.9	144.1	-.3408	1.110	136.6
#2	27.24	13.50	576.9	140.4	-.0227	5.386	128.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	147.1	9.978	-10.26	-15.94	7.675	4.721	
SDev	1.1	4.496	.08	8.80	4.729	.750	
%RSD	.7344	45.06	.7330	55.17	61.61	15.89	
#1	147.9	6.799	-10.31	-9.723	4.332	4.190	
#2	146.3	13.16	-10.20	-22.16	11.02	5.251	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7

304449

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1041	--	--	--	--	--	--
SDev	5.683008	--	--	--	--	--	--
%RSD	.5461172	--	--	--	--	--	--
#1	1037	--	--	--	--	--	--
#2	1045	--	--	--	--	--	--

Method: SW846 Sample Name: CCV3 Operator:
Run Time: 10/13/98 12:23:08
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	244400.	4882.	9888.	967.5	2378.	119000.	4805.
SDev	508.	17.	5.	2.5	6.	233.	10.
%RSD	.2078	.3404	.0507	.2602	.2436	.1956	.2161
#1	244800.	4894.	9892.	969.3	2382.	119200.	4812.
#2	244100.	4870.	9885.	965.7	2374.	118800.	4797.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2366.	12470.	91740.	119000.	4855.	2389.	46900.
SDev	6.	35.	6.	300.	10.	3.	64.
%RSD	.2631	.2806	.0064	.2517	.2108	.1414	.1366
#1	2370.	12490.	91750.	119200.	4863.	2391.	46950.
#2	2362.	12440.	91740.	118800.	4848.	2387.	46860.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1291.	118800.	4818.	2460.	2420.	2419.	2567.
SDev	.	28.	22.	6.	7.	3.	29.
%RSD	.0185	.0234	.4466	.2474	.2917	.1322	1.126
#1	1291.	118800.	4833.	2465.	2425.	2421.	2547.
#2	1291.	118800.	4803.	2456.	2415.	2417.	2588.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	2760.
Low	1120.	112000.	4478.	2239.	2239.	2239.	2239.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	

304450

Avge	4938.	972.6	9623.	9526.	4902.	971.2	9477.
SDev	4.	3.2	10.	37.	30.	.8	29.
%RSD	.0842	.3267	.1074	.3873	.6147	.0802	.3042
#1	4941.	974.8	9631.	9552.	4923.	971.7	9497.
#2	4935.	970.3	9616.	9500.	4881.	970.6	9456.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5520.	1104.	11040.	11040.	5520.	1104.	
Low	4478.	896.0	8960.	8960.	4478.	896.0	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	9550.	963.4	986.8	4902.	4902.	978.5	
SDev	41.	1.1	.1	20.	35.	3.9	
%RSD	.4285	.1146	.0129	.4181	.7129	.3994	
#1	9579.	964.1	986.9	4917.	4927.	981.3	
#2	9521.	962.6	986.7	4888.	4877.	975.8	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						1104.	
Low						896.0	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1030	--	--	--	--	--	--
SDev	.0403099	--	--	--	--	--	--
%RSD	.0039141	--	--	--	--	--	--
#1	1030	--	--	--	--	--	--
#2	1030	--	--	--	--	--	--

Method: SW846 Sample Name: CCB3 Operator:
Run Time: 10/13/98 12:28:28
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	44.76	-1.424	1.589	.1471	.4552	13.47	.7082
SDev	6.97	.328	.231	.0488	.0789	2.85	.4263
%RSD	15.58	23.01	14.56	33.16	17.34	21.12	60.19
#1	49.68	-1.192	1.752	.1816	.5110	15.49	1.010
#2	39.83	-1.655	1.425	.1126	.3994	11.46	.4068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2637	3.565	43.00	28.56	.9010	.3959	147.5

304451

SDev	.4276	.224	7.77	3.29	.1057	.3000	2.1
%RSD	162.2	6.295	18.07	11.52	11.73	75.76	1.391
#1	.5661	3.724	48.50	30.88	.9757	.6080	146.0
#2	-.0387	3.407	37.51	26.23	.8262	.1838	148.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7910	L-1273.	5.799	.4052	.2805	2.562	-.5257
SDev	.2318	51.	2.640	.2326	.0922	1.091	.3438
%RSD	29.31	4.008	45.52	57.42	32.89	42.58	65.39
#1	.9549	L-1309.	3.932	.5697	.3457	3.334	-.2826
#2	.6271	L-1237.	7.666	.2407	.2153	1.791	-.7688
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.6673	.1449	H5.826	2.557	-1.943	2.845	-7.028
SDev	.1122	.5011	1.072	1.489	2.267	.611	3.403
%RSD	16.81	345.7	18.39	58.21	116.7	21.46	48.42
#1	.7466	-.2094	H6.584	H3.610	-3.546	3.277	-4.622
#2	.5880	.4992	H5.068	1.505	-.3395	2.414	-9.435
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	7.331	8.647	-8.797	-12.04	3.088	1.654	
SDev	.533	1.143	4.124	.30	3.547	.241	
%RSD	7.271	13.22	46.88	2.456	114.9	14.55	
#1	7.708	7.838	-5.880	-11.83	.5801	1.824	
#2	6.954	9.455	-11.71	-12.25	5.597	1.484	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1098	--	--	--	--	--	--
SDev	2.801237	--	--	--	--	--	--
%RSD	.2551537	--	--	--	--	--	--

304452

#1	1100	--	--	--	--	--	--
#2	1096	--	--	--	--	--	--

Method: SW846 Sample Name: 88248-2X Operator:
Run Time: 10/13/98 12:33:49
Comment: 502771
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45380.	23.47	153.5	1.888	-1.456	2332.	110.4
SDev	627.	3.56	2.3	.027	.103	48.	2.0
%RSD	1.382	15.16	1.526	1.407	7.106	2.079	1.828
#1	45830.	25.98	155.2	1.907	-1.530	2367.	111.8
#2	44940.	20.95	151.9	1.869	-1.383	2298.	109.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.90	26.45	98670.	5310.	246.0	23.68	1985.
SDev	.20	.60	2158.	112.	4.1	.68	25.
%RSD	1.849	2.254	2.187	2.113	1.682	2.887	1.267
#1	11.04	26.88	100200.	5390.	248.9	23.20	2003.
#2	10.76	26.03	97140.	5231.	243.0	24.17	1967.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8404	325.8	4.297	120.6	68.84	2.221	269.6
SDev	.0562	9.2	.505	1.7	.84	.690	1.7
%RSD	6.687	2.832	11.75	1.416	1.227	31.07	.6391
#1	.8007	332.3	3.940	121.8	69.43	2.709	268.4
#2	.8802	319.2	4.654	119.4	68.24	1.733	270.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	30.37	7.518	642.6	52.15	2.500	3.603	42.01
SDev	.43	.635	11.0	.65	.921	.461	2.07
%RSD	1.431	8.451	1.709	1.240	36.84	12.79	4.919
#1	30.68	7.967	650.3	52.60	3.152	3.929	43.48
#2	30.07	7.069	634.8	51.69	1.849	3.277	40.55

304453

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	57.19	10.43	-10.10	-18.45	12.95	9.029	
SDev	.06	1.63	1.89	4.19	.71	.590	
%RSD	.1079	15.67	18.71	22.71	5.495	6.535	
#1	57.15	11.59	-11.44	-15.49	12.45	8.612	
#2	57.24	9.278	-8.764	-21.42	13.45	9.447	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1098	--	--	--	--	--	--
SDev	.4635209	--	--	--	--	--	--
%RSD	.0422050	--	--	--	--	--	--
#1	1099	--	--	--	--	--	--
#2	1098	--	--	--	--	--	--

Method: SW846 Sample Name: 88548 Operator:
Run Time: 10/13/98 12:39:09
Comment: 506771
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	90.91	-.9955	.7730	-.0507	.3394	716.9	3.220
SDev	3.35	1.5694	.1507	.0040	.1475	.9	.529
%RSD	3.683	157.7	19.50	7.783	43.47	.1197	16.42
#1	93.28	.1142	.8796	-.0480	.4437	717.5	3.594
#2	88.54	-2.105	.6664	-.0535	.2351	716.3	2.846
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2111	3.595	73.60	30.32	5.705	.6792	314.8
SDev	.6056	.773	4.02	3.43	.184	.4548	14.4
%RSD	286.9	21.50	5.467	11.31	3.233	66.96	4.580
#1	.6393	4.141	76.45	32.74	5.836	1.001	325.0
#2	-.2171	3.048	70.76	27.89	5.575	.3576	304.6

304454

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8520	-539.3	-.6637	.5268	23.42	.7312	7.074
SDev	.4091	309.5	1.0941	.1794	.17	.2100	3.710
%RSD	48.01	57.38	164.8	34.07	.7444	28.72	52.45
#1	1.141	-320.5	.1099	.6537	23.55	.8797	4.450
#2	.5628	-758.1	-1.437	.3999	23.30	.5827	9.697
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.8831	5.849	7.229	.5072	-.9589	4.671	-4.613
SDev	.0391	1.879	.471	.2415	.2979	1.034	.735
%RSD	4.425	32.12	6.522	47.61	31.07	22.14	15.94
#1	.9107	7.177	7.562	.6780	-1.170	5.402	-4.093
#2	.8555	4.521	6.895	.3364	-.7483	3.940	-5.133
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	3.050	9.417	-4.860	-15.83	6.453	12.63	
SDev	.006	.317	3.740	.67	.114	.65	
%RSD	.1991	3.370	76.96	4.205	1.773	5.158	
#1	3.046	9.192	-2.215	-16.30	6.372	13.09	
#2	3.055	9.641	-7.505	-15.36	6.534	12.17	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	980	--	--	--	--	--	--
SDev	4.050629	--	--	--	--	--	--
%RSD	.4134674	--	--	--	--	--	--
#1	977	--	--	--	--	--	--
#2	983	--	--	--	--	--	--

304455

Method: SW846 Sample Name: 88562-2X Operator:
Run Time: 10/13/98 12:44:30
Comment: 502771
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	50780.	32.56	695.5	2.833	.2666	23800.	104.0
SDev	18.	.00	.6	.003	.1501	122.	.5
%RSD	.0347	.0023	.0815	.1047	56.31	.5114	.5235
#1	50790.	32.56	695.9	2.835	.3727	23890.	104.4
#2	50770.	32.56	695.1	2.831	.1604	23720.	103.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34.32	316.6	141900.	8848.	1800.	69.29	3262.
SDev	.06	1.2	1165.	45.	5.	.86	22.
%RSD	.1754	.3822	.8207	.5128	.2807	1.248	.6764
#1	34.36	315.7	142700.	8880.	1803.	69.90	3277.
#2	34.28	317.5	141100.	8816.	1796.	68.68	3246.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.350	371.6	4.299	159.8	1238.	12.40	H10950.
SDev	.165	44.3	1.927	.2	3.	.47	72.
%RSD	12.20	11.93	44.83	.1376	.2143	3.796	.6562
#1	1.466	340.3	5.661	160.0	1239.	12.73	H10900.
#2	1.234	402.9	2.936	159.6	1236.	12.06	H11000.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	104.9	120.9	1527.	1557.	4.742	4.244	1543.
SDev	.1	.8	5.	4.	1.593	.585	11.
%RSD	.0546	.6828	.3404	.2791	33.60	13.79	.7416
#1	104.9	121.5	1531.	1560.	3.615	4.658	1552.
#2	105.0	120.3	1524.	1554.	5.869	3.830	1535.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496

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Units						ppb
Avge	1564.	11.06	-9.431	-10.87	12.53	13.76
SDev	1.	.32	1.119	.09	2.44	.17
%RSD	.0512	2.884	11.87	.8684	19.45	1.211
#1	1565.	11.29	-8.640	-10.81	10.80	13.88
#2	1564.	10.84	-10.22	-10.94	14.25	13.65
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1102	--	--	--	--	--	--
SDev	1.733154	--	--	--	--	--	--
%RSD	.1572599	--	--	--	--	--	--
#1	1101	--	--	--	--	--	--
#2	1103	--	--	--	--	--	--

Method: SW846 Sample Name: 88563-2X Operator:
Run Time: 10/13/98 12:49:51
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	37510.	15.22	361.5	1.932	.6370	5312.	62.82
SDev	1.	.90	.8	.033	.0804	24.	.77
%RSD	.0035	5.906	.2124	1.708	12.62	.4561	1.227
#1	37510.	14.58	361.0	1.955	.6939	5329.	63.37
#2	37510.	15.86	362.1	1.909	.5802	5295.	62.28
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31.71	114.2	81770.	7619.	968.4	49.92	1794.
SDev	.16	.8	31.	43.	3.3	.90	10.
%RSD	.4976	.7005	.0374	.5586	.3403	1.807	.5488
#1	31.82	114.8	81790.	7649.	970.7	50.56	1800.
#2	31.60	113.6	81740.	7589.	966.0	49.29	1787.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

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Avge	.0107	-493.8	3.886	109.1	876.8	6.102	4213.
SDev	.1593	646.8	.805	.4	4.0	.790	19.
%RSD	1485.	131.0	20.71	.3450	.4550	12.95	.4622
#1	.1234	-36.39	3.317	109.4	879.6	6.660	4199.
#2	-.1019	-951.1	4.455	108.8	873.9	5.543	4226.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	34.41	30.46	1260.	339.2	2.830	4.663	326.7
SDev	.08	.20	1.	.8	3.303	2.878	2.1
%RSD	.2358	.6538	.1151	.2360	116.7	61.72	.6279
#1	34.35	30.32	1261.	339.8	.4944	6.698	328.2
#2	34.46	30.60	1259.	338.6	5.165	2.628	325.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	8_2496	
Units						ppb	
Avge	345.4	11.25	-8.555	-18.07	13.25	8.515	
SDev	.2	.83	6.987	1.80	5.85	.303	
%RSD	.0510	7.343	81.67	9.982	44.16	3.564	
#1	345.5	11.83	-3.615	-16.79	9.114	8.301	
#2	345.3	10.67	-13.50	-19.34	17.39	8.730	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1046	--	--	--	--	--	--
SDev	.5441408	--	--	--	--	--	--
%RSD	.0520059	--	--	--	--	--	--
#1	1046	--	--	--	--	--	--
#2	1047	--	--	--	--	--	--

Method: SW846 Sample Name: 88564-2X Operator:
Run Time: 10/13/98 12:55:11
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

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Avge	49180.	23.16	1029.	2.601	3.506	16560.	210.5
SDev	268.	2.88	4.	.022	.124	59.	.9
%RSD	.5441	12.46	.3489	.8404	3.527	.3553	.4432
#1	48990.	25.20	1026.	2.617	3.418	16600.	211.2
#2	49370.	21.12	1031.	2.586	3.593	16520.	209.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	45.41	487.2	99900.	11320.	1938.	161.0	4936.
SDev	.50	3.5	315.	37.	3.	.9	11.
%RSD	1.092	.7283	.3156	.3286	.1406	.5886	.2234
#1	45.76	484.7	100100.	11340.	1940.	161.7	4928.
#2	45.06	489.7	99680.	11290.	1936.	160.3	4944.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.873	110.9	1.301	162.4	1887.	18.69	H6684.
SDev	.865	156.8	2.862	.2	1.	.00	29.
%RSD	46.15	141.4	219.9	.1322	.0416	.0264	.4354
#1	2.484	221.7	3.325	162.6	1887.	18.70	H6704.
#2	1.262	.0212	-.7223	162.3	1886.	18.69	H6663.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	119.6	86.38	1546.	1589.	4.451	6.260	1577.
SDev	.5	1.05	1.	6.	1.349	.484	6.
%RSD	.3785	1.219	.0460	.3518	30.32	7.732	.3950
#1	119.3	87.13	1547.	1593.	5.405	5.918	1581.
#2	120.0	85.64	1546.	1585.	3.497	6.602	1572.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	1596.	12.57	-6.409	-13.68	13.49	16.18	
SDev	5.	.02	1.408	.24	1.90	.22	
%RSD	.3304	.1794	21.97	1.731	14.12	1.369	
#1	1599.	12.56	-7.404	-13.51	14.84	16.34	

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#2	1592.	12.59	-5.413	-13.85	12.15	16.03
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1098	--	--	--	--	--	--
SDev	1.511492	--	--	--	--	--	--
%RSD	.1376330	--	--	--	--	--	--
#1	1099	--	--	--	--	--	--
#2	1097	--	--	--	--	--	--

Method: SW846 Sample Name: 88565-2X Operator:
Run Time: 10/13/98 13:00:32
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34180.	16.56	1139.	1.931	3.524	43550.	144.6
SDev	26.	.51	.	.022	.087	191.	.5
%RSD	.0763	3.050	.0065	1.137	2.460	.4379	.3387
#1	34200.	16.92	1139.	1.916	3.586	43690.	144.9
#2	34160.	16.20	1139.	1.947	3.463	43420.	144.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36.82	971.8	88080.	11750.	1342.	84.88	4415.
SDev	.42	1.6	505.	44.	4.	.16	1.
%RSD	1.140	.1602	.5729	.3748	.2960	.1886	.0158
#1	37.12	970.7	88430.	11780.	1345.	84.99	4415.
#2	36.52	972.9	87720.	11710.	1339.	84.77	4416.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.214	363.0	1.518	146.0	1672.	5.839	H5554.
SDev	.118	106.6	2.607	.3	4.	.914	67.
%RSD	3.677	29.37	171.7	.2261	.2548	15.65	1.199
#1	3.297	438.4	-.3251	146.3	1675.	6.485	H5507.
#2	3.130	287.6	3.362	145.8	1669.	5.193	H5601.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	210.7	63.86	1392.	2125.	-.0936	3.862	2098.
SDev	.0	.22	2.	.	1.4280	1.114	9.
%RSD	.0059	.3461	.1518	.0235	1525.	28.85	.4202
#1	210.7	64.01	1394.	2125.	.9161	3.075	2105.
#2	210.7	63.70	1391.	2124.	-1.103	4.650	2092.

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

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	2138.	10.86	-10.18	-13.43	6.554	21.46
SDev	4.	1.56	.21	3.18	.552	.97
%RSD	.1709	14.40	2.087	23.69	8.428	4.517
#1	2135.	9.759	-10.33	-11.18	6.944	22.14
#2	2140.	11.97	-10.03	-15.68	6.163	20.77

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

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1131	--	--	--	--	--	--
SDev	1.390476	--	--	--	--	--	--
%RSD	.1229878	--	--	--	--	--	--
#1	1132	--	--	--	--	--	--
#2	1130	--	--	--	--	--	--

Method: SW846 Sample Name: 88566-2X Operator:
Run Time: 10/13/98 13:05:52
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38030.	11.46	325.2	2.769	1.448	14580.	116.1
SDev	59.	.39	.9	.008	.036	.	.2
%RSD	.1539	3.399	.2897	.2717	2.468	.0028	.1857
#1	37990.	11.18	324.5	2.774	1.473	14580.	116.2
#2	38070.	11.73	325.8	2.764	1.423	14570.	115.9

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	36.53	162.0	84620.	13850.	1139.	65.30	4879.
SDev	.24	.6	253.	15.	1.	.58	1.
%RSD	.6612	.3955	.2986	.1076	.0622	.8915	.0168
#1	36.70	161.6	84440.	13840.	1138.	64.89	4878.
#2	36.36	162.5	84800.	13860.	1139.	65.71	4879.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4630	648.3	2.882	236.6	581.6	3.035	3770.
SDev	.0586	8.7	.626	.2	.0	.353	97.
%RSD	12.65	1.343	21.71	.0731	.0003	11.64	2.584
#1	.4216	654.5	2.440	236.7	581.6	3.285	3839.
#2	.5044	642.2	3.325	236.5	581.6	2.785	3701.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	72.95	17.95	1719.	459.3	-1.055	2.916	450.6
SDev	.17	.53	3.	1.2	.733	3.072	2.2
%RSD	.2343	2.952	.1691	.2536	69.48	105.3	.4990
#1	72.83	17.57	1717.	458.4	-.5369	.7441	452.2
#2	73.07	18.32	1721.	460.1	-1.574	5.089	449.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	463.6	9.902	-11.10	-16.56	6.673	7.979	
SDev	2.9	5.015	.82	1.55	.324	.052	
%RSD	.6197	50.64	7.379	9.375	4.863	.6455	
#1	461.5	6.356	-10.52	-15.46	6.902	7.943	
#2	465.6	13.45	-11.68	-17.65	6.443	8.016	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1072	--	--	--	--	--	--
SDev	.1813515	--	--	--	--	--	--
%RSD	.0169102	--	--	--	--	--	--
#1	1073	--	--	--	--	--	--
#2	1072	--	--	--	--	--	--

Method: SW846 Sample Name: 88567-2X Operator:
Run Time: 10/13/98 13:11:13
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	24570.	16.05	99.69	2.265	-.9352	3107.	43.68
SDev	25.	.92	.18	.016	.1109	12.	.24
%RSD	.1025	5.736	.1778	.7235	11.86	.3839	.5600
#1	24580.	15.40	99.81	2.276	-1.014	3115.	43.50
#2	24550.	16.70	99.56	2.253	-.8567	3099.	43.85
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.36	69.12	82570.	8119.	422.2	42.96	1633.
SDev	.02	.45	471.	33.	1.3	.21	8.
%RSD	.0751	.6551	.5705	.4036	.3122	.4834	.5199
#1	20.35	68.80	82900.	8142.	423.2	42.81	1639.
#2	20.37	69.44	82230.	8096.	421.3	43.10	1627.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0276	-790.3	2.381	73.10	317.7	2.757	2560.
SDev	.1533	17.0	1.171	.74	1.0	.078	8.
%RSD	556.3	2.153	49.17	1.016	.3121	2.837	.3011
#1	-.1360	-802.3	1.553	72.58	318.4	2.702	2554.
#2	.0808	-778.3	3.209	73.63	317.0	2.813	2565.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

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Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1

Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	12.65	9.728	760.9	50.64	-.6783	2.768	43.53
SDev	.04	.420	2.0	.93	.7487	.188	1.61
%RSD	.2939	4.313	.2671	1.840	110.4	6.778	3.702
#1	12.62	10.02	762.3	51.30	-.1488	2.901	44.67
#2	12.68	9.432	759.4	49.98	-1.208	2.636	42.39
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	54.18	7.839	-7.411	-13.55	5.735	2.233
SDev	.59	.316	1.196	3.75	.751	.047
%RSD	1.093	4.026	16.13	27.70	13.09	2.119
#1	54.60	7.616	-6.566	-10.89	5.204	2.200
#2	53.76	8.062	-8.257	-16.20	6.266	2.267
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1064	--	--	--	--	--	--
SDev	1.733068	--	--	--	--	--	--
%RSD	.1628838	--	--	--	--	--	--
#1	1063	--	--	--	--	--	--
#2	1065	--	--	--	--	--	--

Method: SW846 Sample Name: 89213-2X Operator:
Run Time: 10/13/98 13:16:34
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19450.	40.28	95.00	1.861	-.2920	43670.	87.01
SDev	139.	.46	.79	.009	.1227	195.	.00
%RSD	.7169	1.151	.8265	.4887	42.01	.4454	.0042
#1	19350.	39.95	94.45	1.855	-.3787	43810.	87.01
#2	19540.	40.61	95.56	1.868	-.2053	43540.	87.01
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

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Avge	7.085	80.55	82910.	3258.	286.0	19.55	4513.
SDev	.371	.41	97.	.	.7	.15	21.
%RSD	5.235	.5074	.1168	.0035	.2323	.7773	.4693
#1	6.823	80.26	82980.	3258.	286.5	19.44	4498.
#2	7.348	80.84	82840.	3258.	285.6	19.66	4528.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.944	-116.3	3.004	117.0	220.9	2.715	3268.
SDev	.061	172.0	.604	.8	.3	.431	26.
%RSD	2.087	148.0	20.10	.7084	.1507	15.88	.8081
#1	2.987	5.368	2.577	117.6	220.7	3.020	3249.
#2	2.900	-237.9	3.431	116.4	221.2	2.410	3287.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	55.44	18.76	414.3	135.4	-1.602	3.529	124.5
SDev	.31	.64	1.2	.2	1.727	.849	.5
%RSD	.5632	3.420	.2800	.1310	107.8	24.05	.4003
#1	55.22	19.22	413.4	135.3	-.3807	4.129	124.2
#2	55.66	18.31	415.1	135.6	-2.823	2.929	124.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	140.9	10.97	-11.39	-16.61	5.878	39.53	
SDev	.0	1.99	1.43	1.38	1.899	.63	
%RSD	.0129	18.11	12.55	8.326	32.31	1.605	
#1	140.9	12.37	-12.40	-15.63	7.220	39.08	
#2	140.9	9.562	-10.38	-17.58	4.535	39.98	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1059	--	--	--	--	--	--
SDev	4.856784	--	--	--	--	--	--

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%RSD	.4586124	--	--	--	--	--	--
#1	1062	--	--	--	--	--	--
#2	1056	--	--	--	--	--	--

Method: SW846 Sample Name: 89214-2X Operator:
Run Time: 10/13/98 13:21:54
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18420.	53.72	105.9	1.558	-.5469	20550.	76.11
SDev	112.	2.70	.1	.026	.2279	106.	.09
%RSD	.6069	5.017	.0608	1.649	41.68	.5141	.1225
#1	18350.	51.81	105.9	1.576	-.3857	20620.	76.05
#2	18500.	55.63	106.0	1.540	-.7081	20470.	76.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.053	61.48	91780.	1655.	288.0	14.43	2022.
SDev	.400	.29	534.	5.	.8	.12	.
%RSD	7.917	.4685	.5814	.3240	.2832	.8066	.0187
#1	5.335	61.28	92150.	1659.	288.6	14.51	2023.
#2	4.770	61.68	91400.	1651.	287.5	14.35	2022.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.181	-654.4	1.453	137.9	135.5	5.007	2335.
SDev	.069	433.3	2.572	.2	.1	.638	22.
%RSD	5.885	66.22	177.1	.1470	.0978	12.75	.9398
#1	1.132	-960.8	3.272	138.1	135.4	4.556	2350.
#2	1.230	-347.9	-.3661	137.8	135.6	5.459	2319.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	33.68	11.23	342.8	131.5	2.110	4.795	121.6
SDev	.10	.25	.4	.8	1.424	1.393	.2
%RSD	.3086	2.270	.1088	.5719	67.48	29.05	.1646
#1	33.61	11.05	343.1	130.9	3.117	5.780	121.7

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#2	33.75	11.41	342.6	132.0	1.103	3.810	121.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	136.4	11.14	-7.937	-16.49	11.38	12.70	
SDev	1.2	1.78	.612	1.73	1.27	1.14	
%RSD	.9006	16.01	7.704	10.49	11.17	8.964	
#1	135.5	12.40	-7.505	-15.27	12.28	13.51	
#2	137.3	9.878	-8.370	-17.71	10.48	11.90	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	996	--	--	--	--	--	--
SDev	.7658021	--	--	--	--	--	--
%RSD	.0768622	--	--	--	--	--	--
#1	996	--	--	--	--	--	--
#2	997	--	--	--	--	--	--

Method: SW846 Sample Name: CCV4 Operator:
Run Time: 10/13/98 13:27:15
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	249500.	4978.	10120.	985.3	2412.	120900.	4894.
SDev	427.	12.	.	1.7	7.	98.	6.
%RSD	.1711	.2461	.0029	.1736	.2733	.0811	.1317
#1	249800.	4987.	10120.	986.5	2417.	121000.	4898.
#2	249200.	4969.	10120.	984.1	2408.	120900.	4889.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2400.	12790.	92320.	121000.	4949.	2432.	48190.
SDev	4.	39.	47.	244.	6.	1.	127.
%RSD	.1616	.3028	.0514	.2013	.1289	.0449	.2627
#1	2403.	12820.	92280.	121200.	4953.	2433.	48280.
#2	2397.	12760.	92350.	120800.	4944.	2431.	48100.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1262.	121600.	4904.	2517.	2464.	2468.	2655.
SDev	2.	467.	2.	5.	7.	2.	23.
%RSD	.1363	.3843	.0484	.2049	.2763	.0645	.8705
#1	1263.	121900.	4905.	2520.	2469.	2469.	2639.
#2	1261.	121200.	4902.	2513.	2459.	2467.	2672.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	2760.
Low	1120.	112000.	4478.	2239.	2239.	2239.	2239.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5058.	987.9	9806.	9703.	5002.	996.1	9635.
SDev	1.	.2	3.	44.	6.	1.8	26.
%RSD	.0179	.0220	.0258	.4534	.1140	.1812	.2705
#1	5059.	987.8	9807.	9734.	5006.	997.4	9653.
#2	5058.	988.1	9804.	9672.	4998.	994.8	9617.

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

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	9737.	986.9	1015.	5008.	4999.	1001.	
SDev	53.	1.7	2.	3.	7.	2.	
%RSD	.5438	.1673	.2083	.0566	.1427	.1999	
#1	9775.	988.1	1016.	5010.	5004.	1003.	
#2	9700.	985.7	1013.	5006.	4994.	999.7	

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						1104.	
Low						896.0	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1018	--	--	--	--	--	--
SDev	1.007662	--	--	--	--	--	--
%RSD	.0989437	--	--	--	--	--	--
#1	1019	--	--	--	--	--	--
#2	1018	--	--	--	--	--	--

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Method: SW846 Sample Name: CC84 Operator:
Run Time: 10/13/98 13:32:36
Comment: 5067T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	53.56	-.8982	1.573	.1197	.5167	13.59	.8244
SDev	8.92	2.8540	.305	.0267	.2444	3.29	.1449
%RSD	16.65	317.8	19.42	22.28	47.29	24.19	17.57
#1	59.86	1.120	1.789	.1386	.6895	15.91	.9268
#2	47.25	-2.916	1.357	.1008	.3439	11.26	.7219
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5329	3.603	49.53	28.17	.8389	.8789	130.0
SDev	.3090	1.118	14.39	8.42	.2230	.5163	2.3
%RSD	57.98	31.04	29.05	29.89	26.58	58.75	1.774
#1	.7513	4.394	H59.70	34.12	.9965	1.244	131.6
#2	.3144	2.812	39.35	22.21	.6812	.5138	128.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.8391	-978.1	4.333	1.121	.1866	2.520	-1.637
SDev	.0287	436.4	2.862	.041	.0712	1.153	.104
%RSD	3.415	44.62	66.07	3.637	38.13	45.76	6.324
#1	.8593	-669.5	2.309	1.150	.2370	3.335	-1.710
#2	.8188	L-1287.	6.357	1.093	.1363	1.704	-1.564
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.6644	.7990	H5.946	1.842	-.5365	3.003	-7.241
SDev	.1325	.8065	1.931	.841	1.4140	.406	2.601
%RSD	19.95	100.9	32.48	45.63	263.6	13.53	35.92
#1	.7581	1.369	H7.312	2.436	-1.536	2.715	-5.402
#2	.5707	.2287	4.581	1.248	.4634	3.290	-9.080
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496

304469

Units						ppb
Avge	6.360	8.459	-7.949	-10.94	4.648	1.606
SDev	.038	2.110	3.007	4.94	4.587	.651
%RSD	.6033	24.94	37.82	45.15	98.68	40.52
#1	6.333	6.967	-5.823	-7.450	1.405	2.067
#2	6.387	9.951	-10.08	-14.44	7.892	1.146
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						15.00
Low						-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1079	--	--	--	--	--	--
SDev	4.937404	--	--	--	--	--	--
%RSD	.4577135	--	--	--	--	--	--
#1	1075	--	--	--	--	--	--
#2	1082	--	--	--	--	--	--

Method: SW846 Sample Name: 89215-2X Operator:
Run Time: 10/13/98 13:37:57
Comment: 5010
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	17580.	68.66	59.52	1.357	-.9858	21030.	78.67
SDev	66.	.58	.22	.017	.0895	49.	.32
%RSD	.3765	.8458	.3749	1.226	9.075	.2333	.4006
#1	17540.	69.07	59.36	1.345	-1.049	21070.	78.44
#2	17630.	68.24	59.68	1.368	-.9225	21000.	78.89
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.080	80.41	102000.	1442.	82.25	9.695	1707.
SDev	.250	.95	509.	.	.06	.286	12.
%RSD	12.01	1.184	.4987	.0303	.0720	2.948	.6891
#1	1.904	79.74	102400.	1442.	82.21	9.492	1699.
#2	2.257	81.08	101700.	1443.	82.29	9.897	1715.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

304470

Avge	2.028	-459.0	1.602	137.1	131.9	2.247	2747.
SDev	.017	339.4	1.697	.5	.1	.004	19.
%RSD	.8178	73.93	105.9	.3422	.0994	.1965	.6763
#1	2.040	-699.0	2.802	136.8	131.8	2.243	2760.
#2	2.017	-219.1	.4021	137.4	132.0	2.250	2734.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	20.14	19.32	296.4	193.8	.3003	5.019	184.0
SDev	.05	.22	1.5	.8	.3077	1.542	.9
%RSD	.2659	1.163	.4959	.4329	102.4	30.73	.4905
#1	20.10	19.16	295.3	193.2	.0828	3.928	184.6
#2	20.18	19.48	297.4	194.4	.5179	6.110	183.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	198.7	12.99	-10.96	-20.08	10.47	14.95	
SDev	1.7	1.99	.65	1.94	1.43	.55	
%RSD	.8582	15.33	5.893	9.663	13.66	3.674	
#1	197.5	11.58	-11.42	-18.71	9.455	14.57	
#2	199.9	14.39	-10.50	-21.46	11.48	15.34	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1059	--	--	--	--	--	--
SDev	3.163940	--	--	--	--	--	--
%RSD	.2988826	--	--	--	--	--	--
#1	1061	--	--	--	--	--	--
#2	1056	--	--	--	--	--	--

Method: SW846 Sample Name: 89216-2X Operator:
Run Time: 10/13/98 13:43:18
Comment: 5027T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

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Avge	27210.	53.27	97.87	1.727	-1.131	26820.	110.6
SDev	35.	.16	.04	.002	.221	48.	.1
%RSD	.1294	.2915	.0451	.1412	19.52	.1779	.0920
#1	27230.	53.38	97.84	1.728	-1.287	26850.	110.5
#2	27180.	53.16	97.91	1.725	-.9747	26780.	110.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.383	80.47	111000.	2263.	130.1	16.33	2793.
SDev	.041	.10	114.	8.	.3	.01	26.
%RSD	.7613	.1271	.1025	.3450	.2041	.0740	.9442
#1	5.412	80.54	110900.	2269.	130.2	16.34	2811.
#2	5.354	80.39	111100.	2258.	129.9	16.32	2774.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.191	-341.5	3.846	169.5	176.6	2.078	2306.
SDev	.016	185.8	1.506	1.1	.6	.472	13.
%RSD	.7223	54.40	39.15	.6402	.3351	22.72	.5749
#1	2.180	-210.1	2.782	170.3	177.0	1.744	2297.
#2	2.202	-472.8	4.911	168.7	176.2	2.412	2315.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	35.74	15.48	379.4	178.2	3.099	3.767	166.9
SDev	.02	1.22	.2	1.3	.842	.170	1.1
%RSD	.0693	7.898	.0547	.7539	27.18	4.502	.6452
#1	35.76	16.34	379.2	179.2	3.694	3.887	167.6
#2	35.72	14.61	379.5	177.3	2.503	3.647	166.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	183.9	10.63	-10.00	-11.50	10.38	22.64	
SDev	1.5	.04	.43	.89	.82	.22	
%RSD	.8032	.3492	4.346	7.755	7.878	.9811	
#1	184.9	10.66	-9.697	-10.87	10.95	22.80	

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#2	182.8	10.61	-10.31	-12.13	9.797	22.48
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1024	--	--	--	--	--	--
SDev	3.002744	--	--	--	--	--	--
%RSD	.2931170	--	--	--	--	--	--
#1	1022	--	--	--	--	--	--
#2	1027	--	--	--	--	--	--

Method: SW846 Sample Name: 89217-2X Operator:
Run Time: 10/13/98 13:48:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	23000.	20.10	492.7	2.338	5.459	H658900.	89.41
SDev	20.	1.56	.7	.018	.046	1648.	.35
%RSD	.0862	7.767	.1507	.7552	.8342	.2501	.3928
#1	22990.	19.00	493.2	2.350	5.426	H660000.	89.66
#2	23020.	21.21	492.2	2.325	5.491	H657700.	89.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.074	418.5	28340.	15400.	2036.	57.43	7131.
SDev	.009	1.0	82.	4.	2.	.67	24.
%RSD	.1018	.2294	.2899	.0234	.1194	1.169	.3422
#1	9.080	417.8	28400.	15400.	2038.	57.90	7114.
#2	9.067	419.2	28290.	15400.	2035.	56.95	7148.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30.96	1219.	2.454	69.08	1276.	10.40	H12190.
SDev	.11	67.	1.084	.50	.	.41	128.
%RSD	.3458	5.472	44.19	.7221	.0360	3.922	1.051
#1	31.04	1266.	1.687	68.72	1275.	10.69	H12280.
#2	30.88	1172.	3.221	69.43	1276.	10.11	H12100.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	480.0	97.23	4633.	375.8	.3846	4.195	374.1
SDev	.3	1.21	7.	1.3	1.495	.667	.6
%RSD	.0567	1.249	.1598	.3440	388.9	15.90	.1554
#1	480.2	96.37	4638.	376.7	1.442	4.667	374.5
#2	479.9	98.09	4627.	374.9	-.6728	3.724	373.7

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

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	376.7	9.632	-6.720	-14.43	7.766	80.87
SDev	1.6	1.114	.227	1.48	1.504	.26
%RSD	.4369	11.56	3.382	10.25	19.36	.3269
#1	377.9	10.42	-6.881	-13.38	8.829	81.06
#2	375.5	8.845	-6.559	-15.47	6.702	80.68

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

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	952	--	--	--	--	--	--
SDev	.2015064	--	--	--	--	--	--
%RSD	.0211689	--	--	--	--	--	--
#1	952	--	--	--	--	--	--
#2	952	--	--	--	--	--	--

Method: SW846 Sample Name: 89253-2X Operator:
Run Time: 10/13/98 13:54:59
Comment: 7026T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	34360.	105.0	227.2	3.418	.4166	5646.	180.9
SDev	116.	1.0	1.0	.060	.0873	35.	.8
%RSD	.3378	.9610	.4350	1.744	20.95	.6261	.4598
#1	34440.	104.3	227.9	3.460	.3549	5671.	181.5
#2	34270.	105.7	226.5	3.376	.4783	5621.	180.3

304474

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.58	502.7	86820.	10830.	489.4	67.29	4279.
SDev	.40	1.9	521.	75.	3.5	.42	25.
%RSD	1.761	.3710	.5999	.6955	.7132	.6301	.5938
#1	22.86	504.1	87190.	10890.	491.9	67.59	4297.
#2	22.30	501.4	86450.	10780.	486.9	66.99	4261.

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

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.192	17720.	2.126	153.5	592.7	6.830	H6251.
SDev	.384	107.	.449	1.2	3.4	.387	10.
%RSD	4.689	.6023	21.10	.8093	.5812	5.671	.1559
#1	8.464	17800.	2.443	154.3	595.2	7.104	H6258.
#2	7.921	17650.	1.809	152.6	590.3	6.556	H6244.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	172.8	38.60	2167.	332.6	1.890	5.879	318.0
SDev	.8	1.41	12.	1.9	2.046	1.353	3.4
%RSD	.4549	3.650	.5529	.5792	108.3	23.02	1.064
#1	173.3	39.59	2175.	333.9	3.338	6.836	320.4
#2	172.2	37.60	2158.	331.2	.4434	4.922	315.6

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

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	339.8	11.68	-5.756	-13.51	9.568	48.33
SDev	1.2	1.96	.135	5.57	.289	.00
%RSD	.3528	16.80	2.354	41.20	3.023	.0004
#1	340.6	13.06	-5.660	-9.575	9.773	48.33
#2	339.0	10.29	-5.851	-17.45	9.364	48.33

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

304475

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1049	--	--	--	--	--	--
SDev	4.453685	--	--	--	--	--	--
%RSD	.4244325	--	--	--	--	--	--
#1	1052	--	--	--	--	--	--
#2	1046	--	--	--	--	--	--

Method: SW846 Sample Name: 89254-2X Operator:
Run Time: 10/13/98 14:00:20
Comment: 7026T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	46570.	93.39	242.1	3.709	-.0727	6965.	221.5
SDev	433.	1.70	1.3	.041	.0959	39.	1.2
%RSD	.9296	1.821	.5408	1.098	132.0	.5657	.5640
#1	46260.	92.18	241.2	3.737	-.1405	6937.	220.6
#2	46870.	94.59	243.0	3.680	-.0048	6993.	222.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	27.36	593.5	90340.	13300.	628.9	80.47	5475.
SDev	.11	6.0	494.	123.	4.0	.31	52.
%RSD	.3863	1.003	.5464	.9211	.6338	.3898	.9483
#1	27.29	589.3	89990.	13220.	626.1	80.25	5438.
#2	27.44	597.7	90690.	13390.	631.7	80.69	5512.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.568	20570.	4.817	171.3	620.1	7.409	H5294.
SDev	.021	24.	.228	1.1	6.4	.434	27.
%RSD	.2830	.1173	4.739	.6574	1.034	5.858	.5112
#1	7.553	20550.	4.655	170.5	615.5	7.716	H5313.
#2	7.583	20590.	4.978	172.1	624.6	7.102	H5275.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1

304476

Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	235.3	44.53	2526.	385.8	4.601	6.410	371.3
SDev	1.7	1.24	16.	.9	2.772	1.347	2.1
%RSD	.7043	2.775	.6419	.2314	60.25	21.02	.5777
#1	234.1	43.65	2514.	385.1	2.641	5.457	372.8
#2	236.5	45.40	2537.	386.4	6.562	7.363	369.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	393.0	14.16	-9.140	-11.81	12.78	63.44
SDev	2.4	2.50	.970	3.05	5.68	.74
%RSD	.6129	17.68	10.62	25.80	44.42	1.159
#1	391.3	12.39	-8.454	-9.654	8.768	62.92
#2	394.7	15.93	-9.826	-13.96	16.80	63.96
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1035	--	--	--	--	--	--
SDev	18.86275	--	--	--	--	--	--
%RSD	1.823181	--	--	--	--	--	--
#1	1048	--	--	--	--	--	--
#2	1021	--	--	--	--	--	--

Method: SW846 Sample Name: 89255-2X Operator:
Run Time: 10/13/98 14:05:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28290.	70.68	147.8	3.279	1.096	4369.	152.4
SDev	385.	1.69	1.9	.043	.050	73.	2.6
%RSD	1.361	2.385	1.286	1.320	4.543	1.669	1.730
#1	28570.	71.88	149.1	3.310	1.131	4420.	154.2
#2	28020.	69.49	146.4	3.249	1.061	4317.	150.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

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Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Avge	29.05	438.7	94970.	11700.	513.9	72.27	3744.
SDev	.57	6.9	1446.	195.	8.9	.71	44.
%RSD	1.953	1.562	1.523	1.669	1.728	.9829	1.181
#1	29.45	443.5	95990.	11830.	520.2	72.77	3775.
#2	28.64	433.8	93950.	11560.	507.7	71.77	3713.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.316	17080.	2.816	363.8	743.0	8.729	3636.
SDev	.061	334.	.499	5.8	11.6	.143	19.
%RSD	.8280	1.953	17.72	1.598	1.560	1.641	.5285
#1	7.359	17310.	2.463	367.9	751.2	8.627	3649.
#2	7.273	16840.	3.169	359.7	734.8	8.830	3622.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	95.38	33.67	1578.	307.2	3.093	4.230	296.0
SDev	1.41	.23	26.	8.5	1.995	.426	8.5
%RSD	1.483	.6765	1.660	2.760	64.51	10.06	2.879
#1	96.38	33.50	1597.	313.1	4.504	3.929	302.0
#2	94.38	33.83	1560.	301.2	1.682	4.531	290.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	312.7	10.90	-9.147	-9.192	9.214	38.08	
SDev	8.5	.29	.689	7.805	.906	.13	
%RSD	2.704	2.703	7.529	84.91	9.829	.3332	
#1	318.7	10.69	-9.634	-3.673	8.574	38.17	
#2	306.7	11.11	-8.660	-14.71	9.854	37.99	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1004	--	--	--	--	--	--
SDev	10.51959	--	--	--	--	--	--

304478

%RSD	1.047681	--	--	--	--	--	--
#1	997	--	--	--	--	--	--
#2	1012	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA2 Operator:
Run Time: 10/13/98 14:11:01
Comment: 5037T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	494300.	-2.468	4.947	-.1469	-1.267	435600.	.8224
SDev	312.	1.227	.009	.0196	.011	1640.	.1552
%RSD	.0630	49.71	.1797	13.36	.8691	.3764	18.88
#1	494500.	-1.601	4.940	-.1608	-1.275	436800.	.7127
#2	494100.	-3.336	4.953	-.1330	-1.259	434500.	.9322
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6623	.9250	172700.	484100.	2.135	2.116	79.34
SDev	.4227	.1039	367.	1137.	.003	.056	2.83
%RSD	63.82	11.23	.2126	.2348	.1358	2.670	3.569
#1	.3634	.8516	173000.	484900.	2.133	2.076	81.34
#2	.9611	.9985	172400.	483300.	2.137	2.156	77.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.165	-1081.	-2.307	3.176	2.698	-.5417	-.6572
SDev	.432	39.	.939	.100	.074	.1890	6.8778
%RSD	37.12	3.593	40.72	3.149	2.747	34.89	1047.
#1	.8591	-1109.	-1.643	3.106	2.645	-.4081	4.206
#2	1.470	-1054.	-2.971	3.247	2.750	-.6753	-5.521
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	15.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-15.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	4.610	2.439	1.495	2.917	-6.940	2.117	-14.49
SDev	.180	.132	.013	.495	1.842	.682	.55
%RSD	3.894	5.425	.8470	16.96	26.54	32.20	3.829
#1	4.484	2.532	1.486	3.267	-5.638	1.635	-14.88

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#2	4.737	2.345	1.504	2.568	-8.243	2.599	-14.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	10.00	10.00	5.000	10.00	10.00	
Low	-5.000	-5.000	-5.000	-5.000	-10.00	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	11.59	7.713	-9.117	-11.71	-4.571	1.429	
SDev	1.02	1.355	.667	.28	2.624	.280	
%RSD	8.790	17.57	7.319	2.376	57.40	19.60	
#1	12.31	6.754	-8.645	-11.51	-2.716	1.627	
#2	10.87	8.671	-9.589	-11.91	-6.427	1.231	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-15.00	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	964	--	--	--	--	--	--
SDev	1.571914	--	--	--	--	--	--
%RSD	.1630836	--	--	--	--	--	--
#1	963	--	--	--	--	--	--
#2	965	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA82 Operator:
Run Time: 10/13/98 14:16:22
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	508900.	99.06	115.2	98.21	91.68	445900.	98.87
SDev	620.	1.49	.0	.19	.10	632.	.28
%RSD	.1218	1.509	.0131	.1947	.1140	.1418	.2880
#1	509300.	100.1	115.2	98.08	91.61	445400.	98.67
#2	508400.	98.00	115.2	98.35	91.76	446300.	99.07
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94.33	112.3	175500.	496400.	102.1	94.17	10850.
SDev	.18	.1	286.	729.	.2	.45	3.
%RSD	.1862	.1187	.1629	.1468	.2390	.4788	.0236
#1	94.20	112.4	175700.	495900.	102.0	93.85	10860.
#2	94.45	112.2	175300.	496900.	102.3	94.49	10850.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	109.3	11440.	93.04	106.4	105.7	101.3	L3.546
SDev	.2	179.	1.97	.9	.1	.3	.070
%RSD	.2092	1.569	2.119	.8069	.0688	.3128	1.984
#1	109.2	11310.	94.44	105.8	105.6	101.1	L3.596
#2	109.5	11570.	91.65	107.0	105.7	101.5	L3.496
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	116.7	99.45	102.4	95.47	92.67	101.8	75.63
SDev	.1	2.44	.2	2.14	.03	1.7	2.89
%RSD	.0834	2.452	.2260	2.239	.0297	1.693	3.820
#1	116.7	97.73	102.6	96.98	92.69	100.6	73.59
#2	116.6	101.2	102.2	93.96	92.65	103.1	77.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	120.0	120.0	120.0	120.0	120.0	120.0	
Low	80.00	80.00	80.00	80.00	80.00	80.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	105.4	109.4	86.68	83.57	97.21	107.2	
SDev	4.6	1.1	3.03	5.68	2.88	.1	
%RSD	4.410	.9783	3.500	6.792	2.958	.0562	
#1	108.6	108.6	84.54	79.55	99.24	107.2	
#2	102.1	110.2	88.83	87.58	95.17	107.3	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						120.0	
Low						80.00	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	942	--	--	--	--	--	--
SDev	2.539223	--	--	--	--	--	--
%RSD	.2694150	--	--	--	--	--	--
#1	944	--	--	--	--	--	--
#2	941	--	--	--	--	--	--

304481

Method: SW846 Sample Name: CCV5 Operator:
Run Time: 10/13/98 14:21:43
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	252400.	4982.	10280.	982.6	2384.	119000.	4869.
SDev	28.	2.	1.	1.6	3.	256.	8.
%RSD	.0112	.0352	.0126	.1604	.1256	.2147	.1562
#1	252300.	4981.	10280.	981.5	2382.	118800.	4864.
#2	252400.	4984.	10280.	983.8	2386.	119200.	4875.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2378.	13110.	90600.	119600.	4944.	2409.	49150.
SDev	3.	2.	200.	241.	9.	3.	4.
%RSD	.1290	.0167	.2204	.2014	.1755	.1168	.0076
#1	2376.	13110.	90450.	119500.	4938.	2407.	49150.
#2	2380.	13100.	90740.	119800.	4950.	2411.	49150.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1279.	122500.	4879.	2532.	2466.	2471.	2635.
SDev	.	257.	8.	3.	5.	5.	82.
%RSD	.0036	.2094	.1675	.1349	.1933	.2124	3.101
#1	1279.	122700.	4885.	2529.	2463.	2467.	2692.
#2	1279.	122300.	4873.	2534.	2470.	2474.	2577.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	2760.
Low	1120.	112000.	4478.	2239.	2239.	2239.	2239.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5128.	986.3	9831.	9592.	4997.	1002.	9501.
SDev	5.	2.8	13.	33.	14.	2.	22.
%RSD	.0993	.2888	.1355	.3478	.2856	.2345	.2266
#1	5125.	984.2	9822.	9568.	4987.	1000.	9486.
#2	5132.	988.3	9841.	9615.	5007.	1003.	9516.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5520.	1104.	11040.	11040.	5520.	1104.	
Low	4478.	896.0	8960.	8960.	4478.	896.0	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496

304482

Units						ppb
Avge	9637.	992.0	1021.	4994.	4999.	1010.
SDev	39.	2.4	2.	9.	17.	1.
%RSD	.4075	.2407	.2222	.1740	.3412	.0657
#1	9609.	990.3	1019.	4988.	4987.	1010.
#2	9664.	993.7	1023.	5001.	5011.	1011.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						1104.
Low						896.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	989	--	--	--	--	--	--
SDev	.7053373	--	--	--	--	--	--
%RSD	.0713455	--	--	--	--	--	--
#1	989	--	--	--	--	--	--
#2	988	--	--	--	--	--	--

Method: SW846 Sample Name: CC85 Operator:
Run Time: 10/13/98 14:27:04
Comment: 5033T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	105.8	-.9825	1.521	.0265	.4423	32.19	.8207
SDev	9.7	.3962	.317	.0367	.1159	6.32	.3771
%RSD	9.180	40.33	20.83	138.4	26.20	19.64	45.94
#1	112.7	-.7023	1.745	.0524	.5243	36.66	1.087
#2	98.96	-1.263	1.297	.0006	.3604	27.72	.5541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5799	3.075	46.34	49.62	.7891	.4880	85.79
SDev	.3230	.252	7.46	3.32	.1172	.1974	3.24
%RSD	55.69	8.179	16.09	6.699	14.85	40.46	3.773
#1	.8083	3.253	H51.62	51.97	.8719	.6276	88.08
#2	.3515	2.897	41.07	47.27	.7062	.3484	83.50
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

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Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Avge	1.367	-881.4	4.643	1.015	.1766	2.812	-3.091
SDev	.067	218.7	.933	.483	.0216	.636	.646
%RSD	4.878	24.82	20.09	47.61	12.20	22.61	20.90
#1	1.320	-726.7	5.303	1.357	.1919	3.261	-3.548
#2	1.414	L-1036.	3.984	.6732	.1614	2.362	-2.635
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.6517	.7814	H5.593	1.634	-1.583	2.493	-6.412
SDev	.1142	1.702	.881	.590	.858	.160	1.241
%RSD	17.52	217.8	15.76	36.12	54.18	6.430	19.36
#1	.7324	1.985	H6.217	2.051	-.9765	2.607	-7.290
#2	.5710	-.4221	4.970	1.217	-2.189	2.380	-5.534
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	5.633	7.397	-7.352	-9.799	2.507	2.165	
SDev	1.505	1.373	2.269	2.816	.121	.472	
%RSD	26.71	18.56	30.86	28.74	4.834	21.80	
#1	6.697	8.368	-8.956	-7.808	2.421	2.499	
#2	4.569	6.427	-5.748	-11.79	2.592	1.831	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1036	--	--	--	--	--	--
SDev	4.232024	--	--	--	--	--	--
%RSD	.4083154	--	--	--	--	--	--
#1	1033	--	--	--	--	--	--
#2	1039	--	--	--	--	--	--

304484

Method: SW846 Sample Name: 89254-2X Operator:
Run Time: 10/13/98 14:36:46
Comment: 7026T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

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Avge	44510.	90.71	233.8	3.650	-.2844	6710.	214.0
SDev	1470.	4.07	9.0	.190	.0855	294.	9.4
%RSD	3.304	4.481	3.830	5.197	30.06	4.378	4.411
#1	45550.	93.59	240.1	3.785	-.3448	6917.	220.7
#2	43470.	87.84	227.5	3.516	-.2239	6502.	207.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	26.18	576.1	86510.	12810.	610.5	77.02	5231.
SDev	1.67	20.3	4103.	552.	26.3	3.47	183.
%RSD	6.379	3.517	4.743	4.307	4.315	4.504	3.491
#1	27.36	590.4	89410.	13200.	629.2	79.48	5360.
#2	25.00	561.7	83610.	12420.	591.9	74.57	5102.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.952	19440.	-5.683	166.9	603.0	7.578	H5075.
SDev	.810	487.	.878	7.3	23.2	.386	213.
%RSD	11.64	2.507	15.46	4.396	3.847	5.092	4.204
#1	7.524	19790.	-5.062	172.0	619.4	7.851	H5226.
#2	6.379	19100.	-6.304	161.7	586.6	7.305	4924.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	227.6	44.36	2439.	371.5	4.713	8.784	355.8
SDev	8.8	2.63	105.	15.4	.519	.246	13.5
%RSD	3.851	5.935	4.302	4.143	11.01	2.799	3.782
#1	233.8	46.22	2513.	382.4	4.346	8.610	365.3
#2	221.4	42.49	2365.	360.6	5.079	8.958	346.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	379.3	15.65	-4.984	-9.432	11.76	61.24	
SDev	16.4	.14	1.023	2.382	.41	2.61	
%RSD	4.313	.9088	20.53	25.26	3.498	4.267	
#1	390.9	15.75	-5.707	-11.12	12.05	63.08	

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#2	367.7	15.55	-4.260	-7.748	11.47	59.39
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1045	--	--	--	--	--	--
SDev	11.46683	--	--	--	--	--	--
%RSD	1.097519	--	--	--	--	--	--
#1	1037	--	--	--	--	--	--
#2	1053	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA3 Operator:
Run Time: 10/13/98 14:42:06
Comment: 5037T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	482000.	-2.166	5.000	-.1722	-1.300	418600.	.9785
SDev	403.	1.042	.017	.0262	.326	61.	.0000
%RSD	.0835	48.10	.3332	15.20	25.08	.0147	.0034
#1	481700.	-1.429	4.988	-.1907	-1.530	418600.	.9785
#2	482300.	-2.903	5.012	-.1537	-1.069	418500.	.9785
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6051	1.005	162200.	465700.	2.139	2.255	41.73
SDev	.0392	.337	240.	208.	.167	.054	.76
%RSD	6.476	33.53	.1481	.0447	7.814	2.393	1.827
#1	.5774	.7668	162000.	465600.	2.257	2.217	41.19
#2	.6328	1.243	162300.	465900.	2.020	2.293	42.27
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.376	-834.4	-7.679	3.454	2.839	-.3787	-1.862
SDev	.243	116.5	.831	.165	.202	.3473	.572
%RSD	17.68	13.97	10.82	4.763	7.122	91.71	30.74
#1	1.548	-752.0	-8.266	3.338	2.982	-.6242	-1.457
#2	1.204	-916.8	-7.091	3.571	2.696	-.1331	-2.266

304487

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	15.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-15.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	4.953	2.442	2.534	3.035	L-11.32	4.738	-16.52
SDev	.068	.445	.205	.985	1.71	.048	4.84
%RSD	1.375	18.21	8.084	32.45	15.13	1.010	29.32
#1	4.905	2.756	2.678	2.339	L-12.53	4.772	-13.09
#2	5.001	2.127	2.389	3.732	L-10.10	4.704	-19.94

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

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	12.78	12.93	-11.70	-20.70	-6.642	2.247
SDev	3.89	.18	.21	.27	2.432	.111
%RSD	30.47	1.384	1.834	1.306	36.61	4.929
#1	10.03	13.06	-11.85	-20.89	-8.362	2.169
#2	15.54	12.81	-11.55	-20.51	-4.922	2.326

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						15.00
Low						-15.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	967	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	967	--	--	--	--	--	--
#2	967	--	--	--	--	--	--

Method: SW846 Sample Name: ICSAB3 Operator:
Run Time: 10/13/98 14:47:28
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	490800.	93.40	110.6	93.93	88.05	426600.	94.54
SDev	1622.	3.89	.4	.27	.20	2231.	.01
%RSD	.3306	4.167	.3490	.2921	.2229	.5230	.0054
#1	491900.	90.65	110.9	94.13	88.19	428200.	94.54
#2	489600.	96.15	110.3	93.74	87.91	425000.	94.54

304488

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	90.53	108.0	167100.	475900.	97.80	90.93	10450.
SDev	.20	.0	876.	1561.	.24	.50	10.
%RSD	.2158	.0021	.5245	.3281	.2473	.5491	.0960
#1	90.67	108.0	167700.	477000.	97.98	90.57	10460.
#2	90.39	108.0	166500.	474800.	97.63	91.28	10440.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	105.5	11080.	86.22	102.2	101.4	98.29	L.8869
SDev	.4	102.	2.42	.1	.5	.10	.8407
%RSD	.3732	.9226	2.806	.1097	.4857	.1003	94.78
#1	105.7	11010.	87.93	102.3	101.7	98.22	L1.481
#2	105.2	11150.	84.51	102.1	101.0	98.36	L.2925
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	112.1	96.42	97.83	91.88	83.62	97.01	71.10
SDev	.2	3.28	.67	1.64	2.23	.05	4.74
%RSD	.1973	3.397	.6827	1.781	2.668	.0566	6.664
#1	112.3	98.73	98.30	90.73	82.04	97.05	67.75
#2	112.0	94.10	97.36	93.04	85.20	96.97	74.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	120.0	120.0	120.0	120.0	120.0	120.0	
Low	80.00	80.00	80.00	80.00	80.00	80.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	102.2	100.2	90.51	86.85	81.99	104.4	
SDev	.1	1.0	1.77	6.51	.10	.8	
%RSD	.0857	.9656	1.960	7.494	.1169	.7944	
#1	102.2	100.9	89.26	82.25	81.93	103.8	
#2	102.3	99.56	91.76	91.46	82.06	105.0	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						120.0	
Low						80.00	

304489

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	961	--	--	--	--	--	--
SDev	.5844075	--	--	--	--	--	--
%RSD	.0608139	--	--	--	--	--	--
#1	961	--	--	--	--	--	--
#2	961	--	--	--	--	--	--

Method: SW846 Sample Name: CCV6 Operator:
Run Time: 10/13/98 14:52:48
Comment: 5031T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	250700.	4959.	10060.	971.7	2366.	117700.	4822.
SDev	403.	4.	21.	1.8	4.	239.	5.
%RSD	.1606	.0842	.2111	.1836	.1792	.2029	.1122
#1	250400.	4956.	10040.	972.9	2369.	117900.	4826.
#2	251000.	4962.	10070.	970.4	2363.	117600.	4818.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	276000.	5520.	11040.	1104.	2760.	138000.	5520.
Low	223900.	4478.	8960.	896.0	2239.	112000.	4478.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2345.	13130.	L87290.	118300.	4904.	2375.	48830.
SDev	4.	40.	166.	97.	6.	1.	66.
%RSD	.1794	.3015	.1905	.0824	.1166	.0505	.1343
#1	2348.	13100.	L87410.	118400.	4908.	2376.	48780.
#2	2342.	13160.	L87170.	118200.	4900.	2374.	48870.
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	2760.	13800.	110400.	138000.	5520.	2760.	55200.
Low	2239.	11200.	89600.	112000.	4478.	2239.	44780.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1272.	122700.	4810.	2523.	2476.	2445.	2526.
SDev	3.	408.	3.	1.	.	4.	48.
%RSD	.2316	.3323	.0623	.0294	.0123	.1767	1.920
#1	1269.	122400.	4812.	2523.	2476.	2442.	2491.
#2	1274.	123000.	4808.	2522.	2476.	2448.	2560.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1380.	138000.	5520.	2760.	2760.	2760.	2760.
Low	1120.	112000.	4478.	2239.	2239.	2239.	2239.

304490

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1

Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5057.	981.5	9638.	9516.	4990.	995.4	9385.
SDev	9.	1.9	2.	3.	2.	.3	4.
%RSD	.1738	.1985	.0230	.0341	.0460	.0301	.0428
#1	5051.	982.9	9640.	9514.	4991.	995.2	9383.
#2	5063.	980.1	9637.	9518.	4988.	995.7	9388.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5520.	1104.	11040.	11040.	5520.	1104.	
Low	4478.	896.0	8960.	8960.	4478.	896.0	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	9581.	986.3	1014.	4982.	4993.	1004.	
SDev	3.	.4	2.	7.	7.	3.	
%RSD	.0299	.0396	.1658	.1320	.1347	.2784	
#1	9579.	986.6	1012.	4978.	4998.	1002.	
#2	9583.	986.1	1015.	4987.	4988.	1006.	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						1104.	
Low						896.0	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	991	--	--	--	--	--	--
SDev	.1813946	--	--	--	--	--	--
%RSD	.0183081	--	--	--	--	--	--
#1	991	--	--	--	--	--	--
#2	991	--	--	--	--	--	--

Method: SW846 Sample Name: CC86 Operator:
Run Time: 10/13/98 14:58:09
Comment: 5033T1
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	113.6	-.7089	1.424	-.0476	.4924	32.19	1.714
SDev	.7	1.9080	.078	.0144	.0992	.70	.429
%RSD	.5793	269.1	5.511	30.21	20.15	2.177	25.02
#1	113.1	.6402	1.369	-.0578	.4223	31.69	1.411
#2	114.0	-2.058	1.480	-.0374	.5626	32.68	2.017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

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Avge	.6216	3.861	H55.19	45.44	.7583	.9469	158.5
SDev	.1197	.357	4.83	2.81	.0030	.4494	1.4
%RSD	19.25	9.256	8.745	6.176	.3961	47.46	.9067
#1	.7062	3.609	H51.78	43.46	.7604	1.265	157.5
#2	.5370	4.114	H58.60	47.42	.7561	.6291	159.5
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.087	-900.4	.9397	1.026	-.8822	2.253	-2.201
SDev	.717	411.3	2.603	.371	.0189	.502	2.936
%RSD	65.96	45.68	277.0	36.15	2.140	22.28	133.4
#1	.5801	-609.6	2.780	.7634	-.8688	2.608	-4.277
#2	1.594	L-1191.	-.9008	1.288	-.8955	1.898	-.1253
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.5610	1.274	H6.823	1.028	-2.678	3.893	-5.733
SDev	.0217	.227	.939	.712	.291	1.271	1.706
%RSD	3.866	17.79	13.76	69.27	10.87	32.66	29.75
#1	.5457	1.114	H6.159	1.531	-2.884	2.994	-6.940
#2	.5763	1.434	H7.487	.5244	-2.472	4.791	-4.527
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	4.385	8.436	-5.234	-23.06	7.486	2.178	
SDev	1.919	1.919	.026	1.94	.531	.216	
%RSD	43.77	22.75	.5025	8.405	7.094	9.894	
#1	5.742	7.079	-5.215	-24.43	7.862	2.026	
#2	3.028	9.793	-5.252	-21.69	7.111	2.331	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	962	--	--	--	--	--	--
SDev	4.050672	--	--	--	--	--	--

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%RSO	.4211537	--	--	--	--	--	--
#1	959	--	--	--	--	--	--
#2	965	--	--	--	--	--	--

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File : 7050T2.WSL (7026T2)

Raw data w/ 7050T2 (7026T2)

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Instrument Type	Matrix	Dil.	Date	Time	Flag
1	STD1-BLANK		3		1.0	10/17/98	04:04:00	
2	STD2		3		1.0	10/17/98	04:09:00	
3	STD3		3		1.0	10/17/98	04:14:00	
4	STD4		3		1.0	10/17/98	04:20:00	
5	HSA		0		1.0	10/17/98	04:27:00	
6	ICV/CCV1		0		1.0	10/17/98	04:32:00	
7	ICB/CCB1		0		1.0	10/17/98	04:38:00	
8	ICSA1		0		1.0	10/17/98	04:43:00	
9	ICSAB1		0		1.0	10/17/98	04:48:00	
10	INT-20		0		1.0	10/17/98	04:54:00	
11	MCL		0		1.0	10/17/98	04:59:00	
12	88350		0		1.0	10/17/98	05:04:00	
13	89324		0		1.0	10/17/98	05:10:00	
14	89325		0		1.0	10/17/98	05:15:00	
15	89326		0		1.0	10/17/98	05:21:00	
16	89327		0		1.0	10/17/98	05:26:00	
17	89328		0		1.0	10/17/98	05:31:00	
18	CCV2		0		1.0	10/17/98	05:37:00	
19	CCB2		0		1.0	10/17/98	05:42:00	
20	89329		0		1.0	10/17/98	05:47:00	
21	89331		0		1.0	10/17/98	05:53:00	
22	89380		0		1.0	10/17/98	05:58:00	
23	89381		0		1.0	10/17/98	06:04:00	
24	89382		0		1.0	10/17/98	06:09:00	
25	89384		0		1.0	10/17/98	06:14:00	
26	89385		0		1.0	10/17/98	06:20:00	
27	89616		0		1.0	10/17/98	06:25:00	
28	89617		0		1.0	10/17/98	06:30:00	
29	89618		0		1.0	10/17/98	06:36:00	
30	CCV3		0		1.0	10/17/98	06:41:00	
31	CCB3		0		1.0	10/17/98	06:47:00	
32	89619		0		1.0	10/17/98	06:52:00	
33	90219		0		1.0	10/17/98	06:57:00	
34	88502		0		3.0	10/17/98	07:03:00	
35	88504		0		3.0	10/17/98	07:08:00	
36	88548 — TAL		0		1.0	10/17/98	07:13:00	
37	ICSA2		0		1.0	10/17/98	07:19:00	
38	ICSAB2		0		1.0	10/17/98	07:24:00	
39	CCV4		0		1.0	10/17/98	07:30:00	
40	CCB4		0		1.0	10/17/98	07:35:00	

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Analysis Report Summary Sat 10-17-98 05:50:55 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	HSA	Y101698	SW846	10/17/98	04:27		S	CONC
2	ICV/CCV1	Y101698	SW846	10/17/98	04:32		S	CONC
3	ICB/CCB1	Y101698	SW846	10/17/98	04:38		S	CONC
4	ICSA1	Y101698	SW846	10/17/98	04:43		S	CONC
5	ICSAB1	Y101698	SW846	10/17/98	04:48		S	CONC
6	INT-20	Y101698	SW846	10/17/98	04:54		S	CONC
7	MCL	Y101698	SW846	10/17/98	04:59		S	CONC
8	88350	Y101698	SW846	10/17/98	05:04		S	CONC
9	89324	Y101698	SW846	10/17/98	05:10		S	CONC
10	89325	Y101698	SW846	10/17/98	05:15		S	CONC
11	89326	Y101698	SW846	10/17/98	05:21		S	CONC
12	89327	Y101698	SW846	10/17/98	05:26		S	CONC
13	89328	Y101698	SW846	10/17/98	05:31		S	CONC
14	CCV2	Y101698	SW846	10/17/98	05:37		S	CONC
15	CCB2	Y101698	SW846	10/17/98	05:42		S	CONC
16	89329	Y101698	SW846	10/17/98	05:47		S	CONC
17	89331	Y101698	SW846	10/17/98	05:53		S	CONC
18	89380	Y101698	SW846	10/17/98	05:58		S	CONC
19	89381	Y101698	SW846	10/17/98	06:04		S	CONC
20	89382	Y101698	SW846	10/17/98	06:09		S	CONC
21	89384	Y101698	SW846	10/17/98	06:14		S	CONC
22	89385	Y101698	SW846	10/17/98	06:20		S	CONC
23	89616	Y101698	SW846	10/17/98	06:25		S	CONC
24	89617	Y101698	SW846	10/17/98	06:30		S	CONC
25	89618	Y101698	SW846	10/17/98	06:36		S	CONC
26	CCV3	Y101698	SW846	10/17/98	06:41		S	CONC
27	CCB3	Y101698	SW846	10/17/98	06:47		S	CONC
28	89619	Y101698	SW846	10/17/98	06:52		S	CONC
29	90219	Y101698	SW846	10/17/98	06:57		S	CONC
30	88502-3X-7051 T3	Y101698	SW846	10/17/98	07:03		S	CONC
31	88504-3X	Y101698	SW846	10/17/98	07:08		S	CONC
32	88548-7026	Y101698	SW846	10/17/98	07:13		S	CONC
33	ICSA2	Y101698	SW846	10/17/98	07:19		S	CONC
34	ICSAB2	Y101698	SW846	10/17/98	07:24		S	CONC
35	CCV4	Y101698	SW846	10/17/98	07:30		S	CONC
36	CCB4	Y101698	SW846	10/17/98	07:35		S	CONC

CG
10/17/98

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#	Sample Name	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179
1	HSA	493800.	9802.	19550.	1945.	4793.	241600.
2	ICV/CCV1	255000.	4909.	10270.	976.3	2499.	126900.
3	ICB/CCB1	-4.770	-1.135	.0163	.0353	.1526	-6.015
4	ICSA1	477200.	-.3380	3.844	-.0488	-1.227	444300.
5	ICSAB1	489600.	96.66	107.0	95.98	92.98	450500.
6	INT-20	.7133	1.940	-2.834	9.961	-.1364	51.70
7	MCL	173.7	21.40	48.11	3.903	4.789	4963.
8	88350	31.98	-.7129	471.5	-.0327	-.0816	55180.
9	89324	90.69	-2.263	23.17	.0335	.1295	3600.
10	89325	91.05	-2.173	26.00	.0702	-.1511	7238.
11	89326	11.50	-.7474	13.64	-.0317	-.0965	3202.
12	89327	38.02	-1.323	20.49	-.0248	.0528	3816.
13	89328	-23.07	.0975	14.90	-.0597	-.3724	17230.
14	CCV2	254400.	4974.	10340.	990.4	2542.	128600.
15	CCB2	-20.03	-1.825	-.4724	.0062	-.1934	-9.598
16	89329	86.46	-1.105	22.98	.0334	.3298	5020.
17	89331	260.7	-2.146	30.64	.1849	1.092	5379.
18	89380	-15.89	1.434	4.219	-.0668	-.3646	9199.
19	89381	-10.71	-.2933	4.235	-.0385	-.3854	4376.
20	89382	5.618	-.6470	3.418	-.0596	-.2391	5497.
21	89384	-22.58	-.9547	4.384	-.0663	-.1187	4759.
22	89385	-16.72	-2.481	.4016	-.0336	-.2980	1866.
23	89616	149.9	-.4735	121.4	.0027	.0264	22680.
24	89617	145.0	-1.773	211.1	-.0387	-.0289	27740.
25	89618	2615.	2.217	94.17	.2625	.9648	19980.
26	CCV3	254100.	5003.	10300.	990.7	2547.	128500.
27	CCB3	-13.66	-2.011	-.2983	.0053	-.0830	-7.736
28	89619	246.4	-.4716	45.39	-.0002	-.0109	19040.
29	90219	-16.10	-1.841	4.501	-.0063	-.1039	12510.
30	88502-3X-7051	21230.	12.39	207.9	1.125	6.011	8807.
31	88504-3X	14240.	12.03	206.7	1.156	3.826	6811.
32	88548-7026	-1.054	-1.075	-.6364	-.0135	-.1606	281.1
33	ICSA2	487500.	-.8640	3.635	-.0571	-1.424	465100.
34	ICSAB2	481800.	101.4	105.1	97.85	94.79	460900.
35	CCV4	238300.	4796.	9691.	950.1	2450.	123700.
36	CCB4	-18.18	-1.090	-.3852	.0415	-.1120	5.729

#	Sample Name	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576
1	HSA	9744.	4828.	25000.	195700.	250800.	9683.
2	ICV/CCV1	5217.	2528.	12880.	100200.	126800.	5134.
3	ICB/CCB1	.1134	.2521	.2950	-7.782	6.269	-.0435
4	ICSA1	.1533	-.0193	-2.331	180300.	493100.	1.086
5	ICSAB1	96.17	94.26	98.27	187900.	500900.	97.20
6	INT-20	20130.	20290.	-6.397	-171.1	-34.49	19140.
7	MCL	20.84	52.45	46.90	173.9	4803.	20.66
8	88350	1.797	.9218	5.510	623.6	18730.	40.24
9	89324	.6010	.4091	1.055	163.6	1196.	37.57
10	89325	1.004	.3947	1.318	2051.	1555.	39.65
11	89326	.2994	-.1191	-.0390	44.34	819.5	17.79
12	89327	.0772	.0285	.4238	-6.483	1042.	20.79
13	89328	.2584	-.4529	.0750	10050.	1953.	46.43

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#	Sample Name	Cr2677	Co2286	Cu3247	Fe2714	Mg2790	Mn2576
14	CCV2	H5287.	2555.	12950.	101000.	128600.	5195.
15	CCB2	-.5604	-.3967	-.0300	-9.241	-3.377	-.2390
16	89329	.1407	.7633	.9365	646.9	1210.	71.67
17	89331	.5429	4.388	2.608	2968.	1304.	242.1
18	89380	.1740	-.6080	2.254	19350.	704.7	53.79
19	89381	-.1371	-.5350	-.2927	9430.	548.7	15.70
20	89382	.4463	-.2844	960.6	13410.	436.8	37.86
21	89384	.4597	-.4386	-.0633	60.81	779.8	35.34
22	89385	.1485	-.3952	-.1273	40.69	1590.	3.094
23	89616	3.300	.3120	3.918	1926.	9582.	420.0
24	89617	1.319	.5318	2.803	2467.	12560.	786.4
25	89618	17.13	2.338	29.18	8635.	7951.	228.3
26	CCV3	H5296.	2551.	13020.	99710.	128200.	5208.
27	CCB3	-.0098	-.2071	.2496	-7.824	2.976	-.1569
28	89619	1.927	.1269	5.437	797.5	7267.	89.84
29	90219	-.0647	-.7010	18.50	865.1	2683.	10.10
30	88502-3X-7051	73.19	15.73	197.6	56870.	5073.	808.6
31	88504-3X	79.64	15.53	219.0	54150.	4863.	889.1
32	88548-7026	1.779	-.5303	.4613	2.213	-1.216	2.955
33	ICSA2	.4740	-.1140	-2.380	190500.	515100.	.8840
34	ICSAB2	97.50	95.74	96.07	186400.	510100.	98.38
35	CCV4	5048.	2447.	12040.	95600.	123300.	4957.
36	CCB4	-.2415	-.2888	-.0092	-10.69	11.54	-.2196

#	Sample Name	Ni2316	K_7664	Ag3280	Na3302	Tl1908	V_2924
1	HSA	4806.	97530.	2520.	244800.	9655.	4907.
2	ICV/CCV1	2505.	48500.	1263.	123800.	4943.	2556.
3	ICB/CCB1	.1486	195.4	.4555	-79.78	-1.165	.5629
4	ICSA1	1.365	164.3	.4352	35.31	-1.052	2.654
5	ICSAB1	93.54	10340.	101.8	11430.	93.26	101.0
6	INT-20	20230.	250.6	-3.176	-2351.	-63.13	19960.
7	MCL	52.13	9478.	18.91	10700.	19.53	51.30
8	88350	2.882	1338.	.6374	14900.	-3.720	2.219
9	89324	.8749	1101.	.0999	11090.	-3.590	.0984
10	89325	1.107	1510.	.4739	26030.	-3.162	.7285
11	89326	.5552	825.7	-.0861	20680.	-3.745	.2194
12	89327	.5915	1086.	.4707	13900.	-3.256	.0508
13	89328	2.729	2627.	-.0216	20840.	-2.553	.3837
14	CCV2	2536.	48750.	1269.	123000.	4994.	2586.
15	CCB2	-.4024	191.9	.0609	-737.3	-1.074	-.2060
16	89329	1.033	1320.	-.0871	38340.	-2.842	.3132
17	89331	3.254	1425.	.3207	39520.	-2.755	-.0386
18	89380	.0925	810.7	.3503	9877.	-1.925	.7317
19	89381	.0744	890.7	.0962	12400.	-3.601	-.0632
20	89382	3.242	946.4	.0078	14930.	-3.504	-.2261
21	89384	.0507	3945.	.0717	13540.	-3.562	-.4899
22	89385	.1102	19680.	.2597	16470.	-3.951	-.2524
23	89616	4.783	3054.	-.2516	26260.	-2.507	1.670
24	89617	2.125	3660.	.0224	34890.	-3.515	.6293
25	89618	7.236	2924.	.2569	20010.	-2.377	8.379
26	CCV3	2534.	49100.	1270.	123200.	4996.	2597.
27	CCB3	.3881	249.9	.6764	-145.7	-.9902	.6615

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#	Sample Name	Ni2316	K_7664	Ag3280	Na3302	Tl1908	V_2924
28	89619	2.500	2680.	-.0687	20410.	-2.621	1.769
29	90219	.6027	804.8	-.1099	4470.	-5.215	.0116
30	88502-3X-7051	74.13	2156.	.4206	-134.3	-2.813	71.93
31	88504-3X	60.44	2086.	1.148	247.2	-.9131	74.69
32	88548-7026	.5998	328.2	.1620	-30.09	-4.899	.2360
33	ICSA2	1.952	257.5	.4532	-38.11	-.2840	2.219
34	ICSAB2	95.29	10250.	100.5	11120.	96.82	102.1
35	CCV4	2432.	L45530.	1194.	L114200.	4819.	2465.
36	CCB4	.0067	219.7	-.1448	-486.2	-1.218	.0931

#	Sample Name	Zn2138	Mo2020	P_1782	Sr4215	Sn1899	Ti3349
1	HSA	4842.	4888.	4982.	9642.	1947.	19830.
2	ICV/CCV1	2526.	2568.	2466.	5079.	1019.	10240.
3	ICB/CCB1	-.0339	2.204	.4767	-.0667	1.329	.5146
4	ICSA1	-.2153	-.2783	1.180	1.178	1.349	-.2823
5	ICSAB1	98.71	98.92	L5.881	105.3	97.72	98.37
6	INT-20	6.009	19540.	1.096	18280.	19730.	19980.
7	MCL	50.54	54.52	197.0	100.1	110.8	39.26
8	88350	8.967	16.16	17.26	349.1	8.124	.0792
9	89324	13.42	1.138	3.793	28.14	4.265	-.9411
10	89325	48.58	.9159	4.113	61.51	3.445	.0433
11	89326	16.57	.0039	4.158	24.38	2.143	-1.836
12	89327	21.85	.2982	3.589	29.84	2.630	-1.608
13	89328	32.67	.5526	182.2	151.8	2.203	-1.550
14	CCV2	2551.	2599.	2521.	5119.	1037.	10320.
15	CCB2	-.0124	1.053	2.439	-.2996	.3419	-.4897
16	89329	19.81	.4854	8.382	40.42	1.758	-.6415
17	89331	63.07	.6737	21.21	43.44	1.202	-.8484
18	89380	9.225	-.0253	6.896	47.36	2.386	-.9622
19	89381	4.207	-.1340	3.608	27.39	.6149	-1.672
20	89382	68.82	-.1519	9.674	30.60	10.25	-1.529
21	89384	3.439	-.1300	24.23	34.62	1.144	-1.546
22	89385	2.974	-.4472	758.3	22.54	2.049	-2.513
23	89616	25.92	1.592	121.1	122.0	2.926	4.287
24	89617	31.51	1.580	132.6	163.0	3.721	4.380
25	89618	158.8	1.340	696.6	99.74	6.518	94.81
26	CCV3	2560.	2600.	2531.	5117.	1043.	10290.
27	CCB3	.0868	.8331	2.194	-.2264	.1899	.0404
28	89619	24.51	1.779	131.0	90.20	5.875	10.69
29	90219	20.24	-.0633	71.88	30.75	1.584	-.6804
30	88502-3X-7051	767.7	4.511	1424.	54.65	72.40	579.2
31	88504-3X	639.9	3.277	1394.	34.66	27.17	546.7
32	88548-7026	17.41	-.5302	3.033	-.0310	3.313	-.9439
33	ICSA2	-1.055	-.9104	3.751	.5675	-.5104	-.4277
34	ICSAB2	100.1	100.7	L2.421	104.2	101.3	98.43
35	CCV4	2435.	2506.	2478.	4848.	1015.	9788.
36	CCB4	.1610	1.175	2.005	-.2753	.3152	-.2413

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#	Sample Name	Pb2203	Se1960	Sb2068	B_2496		
1	HSA	19320.	9775.	1995.	1973.		
2	ICV/CCV1	10030.	4748.	1015.	998.8		
3	ICB/CCB1	2.057	.0707	.5475	1.689		
4	ICSA1	.6036	-3.188	-1.348	-.2398		
5	ICSAB1	91.83	94.79	95.16	101.3		
6	INT-20	7.829	-.5538	-10.56	-.9416		
7	MCL	9.950	10.94	18.92	98.85		
8	88350	1.640	1.455	-2.722	39.90		
9	89324	-.6992	3.735	2.018	60.34		
10	89325	-.2034	2.200	1.235	66.38		
11	89326	-.2607	3.839	-1.458	31.18		
12	89327	-.0168	.4683	.5319	23.30		
13	89328	-1.189	-.4103	-1.669	58.99		
14	CCV2	10170.	4813.	1018.	1001.		
15	CCB2	.1921	2.928	1.022	.1498		
16	89329	.1556	.2582	.2421	38.74		
17	89331	1.247	2.435	.1754	41.39		
18	89380	-.7170	2.422	-1.539	21.29		
19	89381	-1.262	2.761	1.577	21.50		
20	89382	362.8	2.654	2.338	19.36		
21	89384	-.9035	-2.369	.8146	22.59		
22	89385	.1548	1.415	-.8948	8.319		
23	89616	9.575	.3591	5.165	1506.		
24	89617	16.09	3.792	7.712	3038.		
25	89618	83.03	1.006	4.864	149.8		
26	CCV3	10200.	4832.	1023.	1003.		
27	CCB3	-.6422	3.410	-.3790	1.969		
28	89619	13.80	4.389	2.131	86.72		
29	90219	3.097	3.507	.6722	27.79		
30	88502-3X-7051	735.4	3.104	2.327	11.50		
31	88504-3X	548.2	3.328	2.458	10.12		
32	88548-7026	-.9218	2.060	1.812	8.459		
33	ICSA2	-2.072	-5.278	-5.904	-.4219		
34	ICSAB2	95.34	91.61	95.17	100.8		
35	CCV4	9808.	14608.	972.3	949.8		
36	CCB4	.3997	.4005	-.9963	.7104		

304499

Avge	-.1317	-440.5	-.7866	-.0228	.0464	.8200	-1.170
SDev	.1794	18.9	2.2522	.1023	.0046	.2904	2.854
%RSD	136.2	4.300	286.3	448.4	9.947	35.41	243.9
#1	-.0049	-453.9	.8059	-.0952	.0431	.6147	-3.188
#2	-.2586	-427.1	-2.379	.0495	.0497	1.025	.8481
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.0212	.7266	-.2345	-1.418	-.3645	.5414	-.9389
SDev	.0591	.5117	.5735	.539	.9458	.6432	1.5648
%RSD	278.3	70.42	244.5	38.02	259.5	118.8	166.7
#1	.0630	1.088	.1710	-1.037	.3043	.9962	.1676
#2	-.0205	.3648	-.6401	-1.799	-1.033	.0866	-2.045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	-1.670	-.3008	2.209	-.2239	-.4446	1.190	
SDev	.027	.1674	1.596	1.9586	.4402	.848	
%RSD	1.620	55.65	72.28	874.8	99.02	71.28	
#1	-1.650	-.1824	3.337	1.161	-.1333	1.789	
#2	-1.689	-.4191	1.080	-1.609	-.7558	.5900	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	

cc
10/17/98

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1221	--	--	--	--	--	--
SDev	2.236985	--	--	--	--	--	--
%RSD	.1831648	--	--	--	--	--	--
#1	1223	--	--	--	--	--	--
#2	1220	--	--	--	--	--	--

Method: SW846 Standard: STD1-Blank

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	.2703	.0056	.0047	-.0328	.0124	.1792	.0148
SDev	.0039	.0127	.0006	.0003	.0109	.0037	.0009
%RSD	1.444	228.5	12.84	.9105	87.77	2.044	6.135

304500

#1	.2675	-.0034	.0043	-.0326	.0047	.1818	.0141
#2	.2731	.0146	.0051	-.0330	.0201	.1766	.0154

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	.0041	.0737	-.0034	.0219	.0034	-.0013	3.981
SDev	.0009	.0012	.0012	.0055	.0000	.0273	.007
%RSD	22.32	1.658	35.34	24.97	.0138	2118.	.1842
#1	.0034	.0746	-.0026	.0257	.0034	-.0206	3.975
#2	.0047	.0729	-.0043	.0180	.0034	.0180	3.986

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Avge	-.1284	.0077	-.0099	.0041	.0497	-.0122	.1771
SDev	.0070	.0133	.0055	.0001	.0006	.0015	.0194
%RSD	5.444	172.9	55.35	2.207	1.205	12.39	10.94
#1	-.1333	-.0017	-.0137	.0042	.0493	-.0111	.1634
#2	-.1235	.0171	-.0060	.0040	.0502	-.0133	.1908

Elem	Sr4215	Sn1899	Ti3349	2203/1	2203/2	2068/1	2068/2
Avge	.0208	.0156	-.2294	.1496	-.0231	-.0202	.0026
SDev	.0021	.0089	.0200	.1497	.0352	.0152	.0085
%RSD	10.22	57.31	8.737	100.1	151.9	75.23	329.9
#1	.0223	.0093	-.2435	.0437	.0017	-.0309	.0086
#2	.0193	.0219	-.2152	.2555	-.0480	-.0094	-.0034

Elem	1960/1	1960/2	B_2496
Avge	-.1908	.0579	.0107
SDev	.1219	.0831	.0006
%RSD	63.89	143.5	5.671
#1	-.2770	.1166	.0111
#2	-.1046	-.0009	.0103

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1166	--	--	--	--	--	--
SDev	.1612397	--	--	--	--	--	--
%RSD	.0138248	--	--	--	--	--	--
#1	1166	--	--	--	--	--	--
#2	1166	--	--	--	--	--	--

Method: SW846 Standard: STD4

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	82.00	11.00	40.92	8.401	58.28	79.25	20.89
SDev	.11	.00	.04	.004	.07	.08	.02
%RSD	.1299	.0189	.1061	.0424	.1214	.1070	.0931
#1	81.92	11.00	40.89	8.404	58.33	79.19	20.87
#2	82.07	11.00	40.95	8.399	58.23	79.31	20.90

304501

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280
Avge	14.01	27.96	17.09	40.17	17.82	44.05	3.518
SDev	.01	.05	.04	.03	.00	.04	.004
%RSD	.0579	.1854	.2447	.0641	.0226	.0830	.1028
#1	14.01	28.00	17.06	40.15	17.83	44.08	3.515
#2	14.02	27.93	17.12	40.19	17.82	44.03	3.520

Elem	Tl1908	V_2924	Zn2138	Mo2020	P_1782	Sr4215	Sn1899
Avge	10.40	3.366	11.99	15.11	5.357	99.99	4.840
SDev	.04	.001	.00	.01	.091	.06	.003
%RSD	.3638	.0189	.0385	.0967	1.701	.0635	.0521
#1	10.37	3.366	11.99	15.12	5.421	99.94	4.841
#2	10.42	3.366	12.00	15.10	5.292	100.0	4.838

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	136.3	209.1	51.03	2.372	.5992	24.14	18.17
SDev	.1	.7	.10	.036	.0100	.03	.20
%RSD	.0995	.3378	.1920	1.515	1.676	.1259	1.127
#1	136.2	208.6	51.10	2.346	.5921	24.12	18.32
#2	136.4	209.6	50.96	2.397	.6063	24.16	18.03

Elem	B_2496
Avge	2.343
SDev	.011
%RSD	.4540
#1	2.335
#2	2.350

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1175	--	--	--	--	--	--
SDev	.8061121	--	--	--	--	--	--
%RSD	.0686121	--	--	--	--	--	--
#1	1175	--	--	--	--	--	--
#2	1174	--	--	--	--	--	--

Method: SW846 Standard: STD3

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	389.3	52.01	190.1	38.96	267.1	366.2	96.81
SDev	.3	.01	.5	.04	.5	.5	.07
%RSD	.0874	.0162	.2466	.1099	.1763	.1454	.0730
#1	389.6	52.02	190.4	38.93	266.7	365.9	96.76
#2	389.1	52.00	189.8	38.99	267.4	366.6	96.86

304502

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	Ag3280

Avge	64.41	133.4	78.81	194.1	82.46	201.2	17.48
SDev	.00	.1	.11	.2	.08	.0	.02
%RSD	.0070	.0805	.1373	.1132	.0927	.0145	.1311
#1	64.40	133.5	78.89	194.0	82.40	201.2	17.49
#2	64.41	133.4	78.74	194.3	82.51	201.2	17.46

Elem	Tl1908	V_2924	Zn2138	Mo2020	P_1782	Sr4215	Sn1899
Avge	48.24	15.81	55.67	70.64	24.17	460.7	22.51
SDev	.09	.02	.07	.08	.04	.4	.07
%RSD	.1900	.1436	.1224	.1157	.1797	.0911	.3086
#1	48.18	15.80	55.62	70.58	24.14	461.0	22.46
#2	48.30	15.83	55.72	70.70	24.20	460.4	22.56

Elem	Ti3349	2203/1	2203/2	2068/1	2068/2	1960/1	1960/2
Avge	642.8	965.5	234.6	11.33	2.888	113.2	84.37
SDev	.5	3.9	1.2	.05	.013	.5	.31
%RSD	.0848	.4060	.5251	.4672	.4421	.4309	.3666
#1	643.2	962.8	233.7	11.29	2.879	112.8	84.16
#2	642.4	968.3	235.5	11.37	2.897	113.5	84.59

Elem	B_2496
Avge	11.02
SDev	.04
%RSD	.3191
#1	10.99
#2	11.04

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1187	--	--	--	--	--	--
SDev	.3829011	--	--	--	--	--	--
%RSD	.0322560	--	--	--	--	--	--
#1	1187	--	--	--	--	--	--
#2	1187	--	--	--	--	--	--

Method: SW846 Standard: STD2

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	802.3	109.0	387.1	80.45	545.9	747.3	200.1
SDev	.9	.2	.6	.15	1.6	1.4	.4
%RSD	.1133	.2280	.1537	.1805	.2914	.1926	.1749
#1	803.0	108.8	387.5	80.35	544.8	746.3	199.9
#2	801.7	109.2	386.7	80.56	547.1	748.3	200.4

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	131.5	284.4	159.8	409.4	169.3	409.9	172.6
SDev	.2	.2	.2	.9	.3	.6	.1

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%RSD	.1498	.0606	.0955	.2240	.1721	.1514	.0784
#1	131.3	284.5	159.9	408.7	169.1	409.5	172.7
#2	131.6	284.2	159.7	410.0	169.5	410.3	172.5

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Avge	37.38	22.44	98.52	33.06	114.5	147.0	50.12
SDev	.02	.07	.01	.05	.2	.5	.07
%RSD	.0415	.3146	.0066	.1641	.1740	.3376	.1393
#1	37.37	22.49	98.52	33.02	114.4	146.6	50.07
#2	37.39	22.39	98.53	33.10	114.7	147.3	50.17

Elem	Sr4215	Sn1899	Ti3349	2203/1	2203/2	2068/1	2068/2
Avge	931.6	46.74	1341.	1979.	482.5	24.02	6.088
SDev	.6	.04	1.	2.	1.4	.08	.017
%RSD	.0659	.0831	.0376	.1241	.2910	.3297	.2841
#1	932.0	46.71	1341.	1980.	481.5	23.97	6.100
#2	931.1	46.77	1341.	1977.	483.4	24.08	6.075

Elem	1960/1	1960/2	B_2496
Avge	235.5	175.8	23.06
SDev	1.0	.0	.00
%RSD	.4396	.0248	.0210
#1	236.2	175.8	23.07
#2	234.7	175.7	23.06

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1120	--	--	--	--	--	--
SDev	2.136167	--	--	--	--	--	--
%RSD	.1907449	--	--	--	--	--	--
#1	1118	--	--	--	--	--	--
#2	1121	--	--	--	--	--	--

Method: SW846 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	625.891	-178.025	10/17/98 04:20:18
As1890	189.042	Multiple	Standards	92.9079	-.673068	10/17/98 04:20:18
Ba4394	439.409	Multiple	Standards	51.0122	-.957539	10/17/98 04:20:18
Be3130	313.042	Multiple	Standards	24.5912	.738734	10/17/98 04:20:18
Cd2265	226.502	Multiple	Standards	9.05264	-.325279	10/17/98 04:20:18
Ca3179	317.933	Multiple	Standards	330.455	-68.4913	10/17/98 04:20:18
Cr2677	267.716	Multiple	Standards	49.8151	-1.05457	10/17/98 04:20:18
Co2286	228.616	Multiple	Standards	37.7001	-.359957	10/17/98 04:20:18
Cu3247	324.753	Multiple	Standards	90.3943	-6.75774	10/17/98 04:20:18
Fe2714	271.441	Multiple	Standards	1229.34	-4.14578	10/17/98 04:20:18

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Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Mg2790	279.078	Multiple	Standards	625.474	-13.9778	10/17/98 04:20:18
Mn2576	257.610	Multiple	Standards	58.5864	-.554009	10/17/98 04:20:18
Ni2316	231.604	Multiple	Standards	11.9600	-.212035	10/17/98 04:20:18
K_7664	766.491	STD2	STD1-Blank	.836479	-.729619	10/17/98 04:20:18
Ag3280	328.068	Multiple	Standards	68.7307	8.82860	10/17/98 04:20:18
Na3302	330.232	STD2	STD1-Blank	.939259	.015753	10/17/98 04:20:18
Tl1908	190.864	Multiple	Standards	101.160	.633340	10/17/98 04:20:18
V_2924	292.402	Multiple	Standards	152.332	-.723310	10/17/98 04:20:18
Zn2138	213.856	Multiple	Standards	43.9602	-2.34226	10/17/98 04:20:18
Mo2020	202.030	Multiple	Standards	34.1324	.291180	10/17/98 04:20:18
P_1782	178.287	Multiple	Standards	100.402	-17.9274	10/17/98 04:20:18
Sr4215	421.552	Multiple	Standards	10.5399	-.648971	10/17/98 04:20:18
Sn1899	189.989	Multiple	Standards	42.1537	-.710321	10/17/98 04:20:18
Ti3349	334.941	Multiple	Standards	15.0430	3.04913	10/17/98 04:20:18
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.026	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sb2068	206.838	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
2203/1	220.351	Multiple	Standards	10.0939	-2.25298	10/17/98 04:20:18
2203/2	220.352	Multiple	Standards	40.8584	.173062	10/17/98 04:20:18
2068/1	206.831	Multiple	Standards	88.6940	1.76571	10/17/98 04:20:18
2068/2	206.832	Multiple	Standards	339.759	-.876161	10/17/98 04:20:18
1960/1	196.021	Multiple	Standards	42.4984	7.83588	10/17/98 04:20:18
1960/2	196.022	Multiple	Standards	56.6310	-3.54390	10/17/98 04:20:18
B_2496	249.678	Multiple	Standards	88.0452	-.978152	10/17/98 04:20:18

Method: SW846

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-Blank	.000000	-8.84837	8.84837
		STD4	50000.0	51144.1	-1144.12
		STD3	250000.	243512.	6487.98
		STD2	500000.	501988.	-1988.09

CorCoef: 0.99986

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-Blank	.000000	-.155360	.155360
		STD4	1000.00	1021.10	-21.0986
		STD3	5000.00	4831.52	168.484
		STD2	10000.0	10128.5	-128.474

CorCoef: 0.99968

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4394	439.409	STD1-Blank	.000000	-.716980	.716980
		STD4	2000.00	2086.57	-86.5718
		STD3	10000.0	9696.92	303.082
		STD2	20000.0	19745.1	254.902

CorCoef: 0.99992

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD1-Blank	.000000	-.067753	.067753
		STD4	200.000	207.340	-7.34047
		STD3	1000.00	958.796	41.2039
		STD2	2000.00	1979.21	20.7869

CorCoef: 0.99982

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD1-Blank	.000000	-.212739	.212739
		STD4	500.000	527.303	-27.3031
		STD3	2500.00	2417.26	82.7444
		STD2	5000.00	4941.78	58.2217

CorCoef: 0.99988

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD1-Blank	.000000	-9.27434	9.27434
		STD4	25000.0	26120.4	-1120.38
		STD3	125000.	120955.	4045.27
		STD2	250000.	246887.	3113.23

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD1-Blank	.000000	-.317793	.317793
		STD4	1000.00	1039.50	-39.4958
		STD3	5000.00	4821.65	178.348
		STD2	10000.0	9967.74	32.2617

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD1-Blank	.000000	-.206418	.206418
		STD4	500.000	527.855	-27.8550
		STD3	2500.00	2427.77	72.2312
		STD2	5000.00	4955.40	44.5967

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	STD1-Blank	.000000	-.092317	.092317
		STD4	2500.00	2520.84	-20.8369
		STD3	12500.0	12056.3	443.731
		STD2	25000.0	25698.5	-698.504

CorCoef: 0.99945

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD1-Blank	.000000	-8.36187	8.36187
		STD4	20000.0	21010.8	-1010.79
		STD3	100000.	96885.1	3114.88
		STD2	200000.	196469.	3530.75

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD1-Blank	.000000	-.302223	.302223
		STD4	25000.0	25113.1	-113.135
		STD3	125000.	121420.	3579.91
		STD2	250000.	256028.	-6028.48

CorCoef: 0.99962

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD1-Blank	.000000	-.353079	.353079
		STD4	1000.00	1043.61	-43.6086
		STD3	5000.00	4830.23	169.771
		STD2	10000.0	9919.79	80.2080

CorCoef: 0.99986

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Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD1-Blank	.000000	-.227439	.227439
		STD4	500.000	526.686	-26.6862
		STD3	2500.00	2406.44	93.5552
		STD2	5000.00	4902.32	97.6763

CorCoef: 0.99990

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD1-Blank	2.60000	3.98052	-1.38052
		STD2	143.640	172.592	-28.9520

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD1-Blank	.000000	.003752	-.003752
		STD4	250.000	250.609	-.609268
		STD3	1250.00	1209.93	40.0730
		STD2	2500.00	2577.71	-77.7129

CorCoef: 0.99947

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	330.232	STD1-Blank	.023000	.007716	.015284
		STD2	21.0913	22.4385	-1.34719

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD1-Blank	.000000	-.364153	.364153
		STD4	1000.00	1052.50	-52.4989
		STD3	5000.00	4880.57	119.434
		STD2	10000.0	9967.23	32.7715

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD1-Blank	.000000	-.099281	.099281
		STD4	500.000	512.030	-12.0295
		STD3	2500.00	2407.83	92.1729
		STD2	5000.00	5035.70	-35.7007

CorCoef: 0.99970

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2138	213.856	STD1-Blank	.000000	-.156136	.156136
		STD4	500.000	524.896	-24.8956
		STD3	2500.00	2445.00	54.9973
		STD2	5000.00	5031.81	-31.8130

CorCoef: 0.99985

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-Blank	.000000	-.125848	.125848
		STD4	500.000	515.951	-15.9512
		STD3	2500.00	2411.44	88.5623
		STD2	5000.00	5017.61	-17.6138

CorCoef: 0.99975

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
P_1782	178.287	STD1-Blank	.000000	-.150891	.150891
		STD4	500.000	519.913	-19.9131
		STD3	2500.00	2408.37	91.6333

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	STD2	5000.00	5014.14	-14.1362

CorCoef: 0.99974

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	STD1-Blank	.000000	-.429822	.429822
		STD4	1000.00	1053.21	-53.2074
		STD3	5000.00	4855.03	144.970
		STD2	10000.0	9818.02	181.982

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD1-Blank	.000000	-.053082	.053082
		STD4	200.000	203.296	-3.29645
		STD3	1000.00	948.068	51.9321
		STD2	2000.00	1969.50	30.5005

CorCoef: 0.99977

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	STD1-Blank	.000000	-.401100	.401100
		STD4	2000.00	2053.99	-53.9868
		STD3	10000.0	9672.33	327.667
		STD2	20000.0	20176.1	-176.057

CorCoef: 0.99973

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

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

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

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD1-Blank	.000000	-.742856	.742856
		STD4	2000.00	2108.23	-108.232
		STD3	10000.0	9743.90	256.096
		STD2	20000.0	19969.9	30.0996

CorCoef: 0.99988

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD1-Blank	.000000	-.772711	.772711
		STD4	2000.00	2085.29	-85.2856
		STD3	10000.0	9585.28	414.718
		STD2	20000.0	19712.3	287.674

CorCoef: 0.99984

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/1	206.831	STD1-Blank	.000000	-.021490	.021490
		STD4	200.000	212.125	-12.1246

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	STD3	1000.00	1006.60	-6.59540
	STD2	2000.00	2132.41	-132.413

CorCoef: 0.99954

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2068/2	206.832	STD1-Blank	.000000	-.002025	.002025
		STD4	200.000	202.711	-2.71121
		STD3	1000.00	980.417	19.5825
		STD2	2000.00	2067.43	-67.4302

CorCoef: 0.99962

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD1-Blank	.000000	-.272041	.272041
		STD4	1000.00	1033.85	-33.8496
		STD3	5000.00	4817.97	182.029
		STD2	10000.0	10014.2	-14.1621

CorCoef: 0.99976

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	STD1-Blank	.000000	-.266054	.266054
		STD4	1000.00	1025.48	-25.4797
		STD3	5000.00	4774.68	225.318
		STD2	10000.0	9950.44	49.5596

CorCoef: 0.99973

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD1-Blank	.000000	-.034515	.034515
		STD4	200.000	205.293	-5.29314
		STD3	1000.00	969.132	30.8677
		STD2	2000.00	2029.65	-29.6542

CorCoef: 0.99969

Method: SW846 Sample Name: HSA Operator:
Run Time: 10/17/98 04:27:21
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	493800.	9802.	19550.	1945.	4793.	241600.	9744.
SDev	48.	41.	30.	1.	8.	242.	3.
%RSD	.0097	.4186	.1557	.0667	.1672	.1003	.0351
#1	493900.	9831.	19520.	1946.	4799.	241500.	9746.
#2	493800.	9773.	19570.	1944.	4787.	241800.	9742.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	527200.	10540.	21080.	2108.	5272.	263600.	10540.
Low	472800.	9460.	18920.	1892.	4728.	236400.	9460.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4828.	25000.	195700.	250800.	9683.	4806.	97530.
SDev	2.	98.	1110.	398.	7.	1.	255.
%RSD	.0481	.3937	.5672	.1585	.0756	.0147	.2620

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#1	4826.	25070.	194900.	250600.	9689.	4805.	97710.
#2	4829.	24930.	196400.	251100.	9678.	4806.	97350.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5272.	26360.	210800.	263600.	10540.	5272.	105400.
Low	4728.	23640.	189200.	236400.	9460.	4728.	94600.
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2520.	244800.	9655.	4907.	4842.	4888.	4982.
SDev	3.	461.	24.	13.	10.	5.	30.
%RSD	.1096	.1882	.2506	.2731	.2141	.1113	.6103
#1	2522.	245100.	9672.	4917.	4849.	4892.	5004.
#2	2518.	244500.	9638.	4898.	4835.	4884.	4961.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	263600.	10540.	5272.	5272.	5272.	5272.
Low	2364.	236400.	9460.	4728.	4728.	4728.	4728.
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	9642.	1947.	19830.	19320.	9775.	1995.	19380.
SDev	5.	5.	23.	35.	51.	10.	1.
%RSD	.0474	.2678	.1167	.1836	.5200	.5257	.0047
#1	9638.	1951.	19810.	19350.	9811.	2003.	19380.
#2	9645.	1944.	19840.	19300.	9739.	1988.	19380.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10540.	2108.	21080.	21080.	10540.	2108.	
Low	9460.	1892.	18920.	18920.	9460.	1892.	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	19300.	1995.	1996.	9777.	9774.	1973.	
SDev	53.	6.	19.	41.	56.	1.	
%RSD	.2733	.3227	.9320	.4233	.5682	.0260	
#1	19330.	1999.	2009.	9806.	9813.	1974.	
#2	19260.	1990.	1983.	9747.	9735.	1973.	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						2108.	
Low						1892.	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1121	--	--	--	--	--	--
SDev	3.244560	--	--	--	--	--	--
%RSD	.2894774	--	--	--	--	--	--
#1	1119	--	--	--	--	--	--
#2	1123	--	--	--	--	--	--

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Method: SW846 Sample Name: ICV/CCV1 Operator:
Run Time: 10/17/98 04:32:42
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	255000.	4909.	10270.	976.3	2499.	126900.	5217.
SDev	240.	7.	11.	1.1	2.	136.	6.
%RSD	.0940	.1367	.1064	.1176	.0655	.1069	.1159
#1	255200.	4904.	10280.	975.5	2498.	126800.	5213.
#2	254900.	4914.	10270.	977.1	2500.	127000.	5221.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2528.	12880.	100200.	126800.	5134.	2505.	48500.
SDev	3.	.	10.	139.	6.	2.	16.
%RSD	.1378	.0025	.0095	.1100	.1079	.0984	.0324
#1	2525.	12880.	100200.	126700.	5131.	2504.	48510.
#2	2530.	12880.	100200.	126900.	5138.	2507.	48490.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1263.	123800.	4943.	2556.	2526.	2568.	2466.
SDev	.	90.	1.	2.	4.	2.	2.
%RSD	.0312	.0728	.0297	.0929	.1774	.0781	.1011
#1	1263.	123900.	4944.	2554.	2522.	2567.	2464.
#2	1263.	123800.	4942.	2557.	2529.	2569.	2467.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	2636.
Low	1182.	118200.	4728.	2364.	2364.	2364.	2364.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5079.	1019.	10240.	10030.	4748.	1015.	10060.
SDev	.	2.	1.	38.	.	2.	28.
%RSD	.0021	.2108	.0062	.3762	.0096	.1831	.2780
#1	5080.	1017.	10240.	10000.	4747.	1014.	10040.
#2	5079.	1020.	10250.	10050.	4748.	1017.	10080.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5272.	1054.	10540.	10540.	5272.	1054.	

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Low	4728.	946.0	9455.	9455.	4728.	946.0
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	10010.	1013.	1020.	4759.	4742.	998.8
SDev	43.	.	5.	7.	3.	.8
%RSD	.4254	.0082	.5308	.1473	.0595	.0788
#1	9980.	1013.	1016.	4754.	4744.	999.4
#2	10040.	1013.	1024.	4764.	4740.	998.3
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						1054.
Low						946.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1114	--	--	--	--	--	--
SDev	3.909544	--	--	--	--	--	--
%RSD	.3508902	--	--	--	--	--	--
#1	1111	--	--	--	--	--	--
#2	1117	--	--	--	--	--	--

Method: SW846 Sample Name: ICB/CCB1 Operator:
Run Time: 10/17/98 04:38:04
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-4.770	-1.135	.0163	.0353	.1526	-6.015	.1134
SDev	2.694	2.290	.2082	.0009	.0736	2.530	.3639
%RSD	56.49	201.8	1275.	2.420	48.21	42.06	320.8
#1	-2.865	-2.754	.1636	.0359	.2046	-4.226	.3707
#2	-6.675	.4847	-.1309	.0347	.1006	-7.804	-.1438
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2521	.2950	-7.782	6.269	-.0435	.1486	195.4
SDev	.2419	.2020	2.163	5.111	.0336	.0383	3.1
%RSD	95.98	68.49	27.79	81.54	77.15	25.77	1.594
#1	.4231	.4378	-6.253	9.883	-.0198	.1757	193.2
#2	.0810	.1521	-9.311	2.655	-.0672	.1215	197.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

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Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4555	-79.78	-1.165	.5629	-.0339	2.204	.4767
SDev	.1531	59.95	1.721	.1471	.0091	.318	.9981
%RSD	33.62	75.15	147.8	26.13	26.84	14.42	209.4
#1	.5638	-122.2	-2.381	.4589	-.0275	2.428	-.2290
#2	.3472	-37.39	.0523	.6670	-.0404	1.979	1.182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	-.0667	1.329	.5146	2.057	.0707	.5475	.6650
SDev	.0856	.226	.5863	.300	1.674	.0847	.2080
%RSD	128.3	17.04	113.9	14.60	2369.	15.48	31.28
#1	-.0062	1.169	.9292	1.845	1.254	.4876	.8121
#2	-.1272	1.489	.1000	2.270	-1.113	.6074	.5179
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	8_2496
Units						ppb
Avge	2.737	.2442	1.135	.8477	-.3272	1.689
SDev	.554	.5249	.797	3.103	.9606	.668
%RSD	20.24	214.9	70.22	366.1	293.6	39.54
#1	2.346	-.1269	1.699	3.042	.3520	2.161
#2	3.129	.6154	.5714	-1.347	-1.006	1.217
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						15.00
Low						-9.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1205	--	--	--	--	--	--
SDev	1.712956	--	--	--	--	--	--
%RSD	.1422018	--	--	--	--	--	--
#1	1206	--	--	--	--	--	--
#2	1203	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA1 Operator:

Run Time: 10/17/98 04:43:25

Comment: 7050T2/51T3

304513

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	477200.	-.3380	3.844	-.0488	-1.227	444300.	.1533
SDev	214.	.6387	.000	.0129	.262	17.	.0351
%RSD	.0449	189.0	.0013	26.46	21.34	.0038	22.88
#1	477400.	.1137	3.844	-.0397	-1.042	444200.	.1781
#2	477100.	-.7896	3.844	-.0580	-1.412	444300.	.1285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0193	-2.331	180300.	493100.	1.086	1.365	164.3
SDev	.0315	.416	211.	265.	.003	.584	5.9
%RSD	162.8	17.84	.1170	.0537	.3062	42.76	3.601
#1	-.0416	-2.037	180500.	492900.	1.088	.9524	168.5
#2	.0029	-2.625	180200.	493300.	1.084	1.778	160.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4352	35.31	-1.052	2.654	-.2153	-.2783	1.180
SDev	.5722	228.5	.863	.173	.1072	1.4666	1.434
%RSD	131.5	647.3	81.97	6.521	49.79	527.1	121.5
#1	.8398	-126.3	-1.662	2.777	-.2911	.7588	2.193
#2	.0306	196.9	-.4423	2.532	-.1395	-1.315	.1659
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	15.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-15.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	1.178	1.349	-.2823	.6036	-3.188	-1.348	21.63
SDev	.034	.261	.3345	.5370	2.477	1.804	1.61
%RSD	2.872	19.38	118.5	88.96	77.69	133.8	7.446
#1	1.202	1.164	-.5189	.2239	-1.437	-.0722	22.77
#2	1.154	1.534	-.0458	.9833	-4.940	-2.623	20.49
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	10.00	10.00	5.000	10.00	10.00	
Low	-5.000	-5.000	-5.000	-5.000	-10.00	-10.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	-9.906	-.2938	-3.479	2.149	-5.863	-.2398
SDev	1.609	.4881	6.394	1.839	2.795	.4966

304514

%RSD	16.24	166.2	183.8	85.60	47.67	207.1
#1	-11.04	-.6390	1.042	3.449	-3.887	.1113
#2	-8.768	.0514	-8.000	.8482	-7.840	-.5909
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						15.00
Low						-15.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1134	--	--	--	--	--	--
SDev	3.768503	--	--	--	--	--	--
%RSD	.3323109	--	--	--	--	--	--
#1	1131	--	--	--	--	--	--
#2	1137	--	--	--	--	--	--

Method: SW846 Sample Name: ICSAB1 Operator:
Run Time: 10/17/98 04:48:47
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	489600.	96.66	107.0	95.98	92.98	450500.	96.17
SDev	447.	4.17	.1	.02	.00	403.	.65
%RSD	.0912	4.314	.1097	.0200	.0014	.0894	.6805
#1	489300.	99.60	106.9	95.97	92.98	450200.	95.71
#2	489900.	93.71	107.0	96.00	92.98	450800.	96.63
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	94.26	98.27	187900.	500900.	97.20	93.54	10340.
SDev	.31	.88	621.	729.	.24	.66	12.
%RSD	.3324	.8965	.3304	.1454	.2515	.7006	.1125
#1	94.04	97.64	187400.	500400.	97.03	93.07	10340.
#2	94.48	98.89	188300.	501400.	97.37	94.00	10330.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.

Elem	Ag3280	Na3302	Tl1908	V_2924	In2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	101.8	11430.	93.26	101.0	98.71	98.92	L5.881
SDev	.3	195.	3.98	.3	.06	.59	2.930
%RSD	.2554	1.702	4.270	.2965	.0564	.5938	49.83

304515

#1	101.6	11290.	90.44	100.8	98.75	98.51	L3.809
#2	102.0	11570.	96.07	101.2	98.67	99.34	L7.953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	105.3	97.72	98.37	91.83	94.79	95.16	111.9
SDev	.1	.78	.82	2.75	1.10	.67	2.5
%RSD	.1241	.7985	.8337	2.996	1.163	.7019	2.257
#1	105.2	97.17	97.79	93.78	94.01	95.63	113.7
#2	105.4	98.27	98.95	89.89	95.56	94.69	110.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	120.0	120.0	120.0	120.0	120.0	120.0	
Low	80.00	80.00	80.00	80.00	80.00	80.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	81.79	96.51	92.44	98.11	93.12	101.3
SDev	2.86	.98	3.96	4.24	.47	.7
%RSD	3.502	1.011	4.284	4.325	.5004	.6744
#1	83.82	95.82	95.24	95.11	93.45	101.8
#2	79.77	97.20	89.64	101.1	92.79	100.8
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						120.0
Low						80.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1121	--	--	--	--	--	--
SDev	.7860003	--	--	--	--	--	--
%RSD	.0701086	--	--	--	--	--	--
#1	1121	--	--	--	--	--	--
#2	1122	--	--	--	--	--	--

Method: SW846 Sample Name: INT-20 Operator:
Run Time: 10/17/98 04:54:10
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7133	1.940	-2.834	9.961	-.1364	51.70	20130.
SDev	5.886	.015	.028	.339	.0415	9.27	8.
%RSD	825.2	.7973	.9995	3.403	30.41	17.94	.0410

304516

#1	4.876	1.951	-2.854	9.721	-.1657	58.26	20140.
#2	-3.449	1.929	-2.814	10.20	-.1070	45.14	20130.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20290.	-6.397	-171.1	-34.49	19140.	20230.	250.6
SDev	1.	.294	13.0	13.15	6.	15.	6.8
%RSD	.0052	4.601	7.596	38.11	.0293	.0761	2.699
#1	20290.	-6.606	-161.9	-25.20	19150.	20240.	255.4
#2	20290.	-6.189	-180.3	-43.79	19140.	20220.	245.8

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-3.176	-2351.	-63.13	19960.	6.009	19540.	1.096
SDev	.470	233.	2.42	10.	.110	10.	1.752
%RSD	14.80	9.900	3.828	.0481	1.827	.0509	159.8
#1	-2.843	-2516.	-61.42	19970.	6.087	19530.	2.335
#2	-3.508	-2187.	-64.84	19950.	5.932	19550.	-.1425

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	18280.	19730.	19980.	7.829	-.5539	-10.56	.5481
SDev	.	6.	43.	.191	1.8762	2.92	1.091
%RSD	.0008	.0311	.2136	2.443	338.8	27.65	199.1
#1	18280.	19730.	19950.	7.964	-1.881	-12.62	1.320
#2	18280.	19730.	20010.	7.694	.7729	-8.492	-.2237

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	11.45	-3.804	-24.10	4.712	-3.193	-.9416
SDev	.26	4.237	.28	.680	2.474	.4784
%RSD	2.239	111.4	1.152	14.42	77.46	50.80
#1	11.27	-6.800	-24.30	4.232	-4.942	-.6034
#2	11.63	-.8073	-23.91	5.193	-1.444	-1.280

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1173	--	--	--	--	--	--
SDev	3.002787	--	--	--	--	--	--
%RSD	.2560443	--	--	--	--	--	--
#1	1171	--	--	--	--	--	--
#2	1175	--	--	--	--	--	--

304517

Method: SW846 Sample Name: MCL Operator:
Run Time: 10/17/98 04:59:32
Comment: 7050T2/51T3

Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	173.7	21.40	48.11	3.903	4.789	4963.	20.84
SDev	.8	.14	.08	.017	.098	5.	.58
%RSD	.4520	.6551	.1622	.4370	2.050	.1041	2.801
#1	173.1	21.30	48.16	3.891	4.859	4966.	21.25
#2	174.2	21.50	48.05	3.915	4.720	4959.	20.43

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	52.45	46.90	173.9	4803.	20.66	52.13	9478.
SDev	.42	.05	14.4	3.	.33	.15	5.
%RSD	.7969	.1168	8.257	.0691	1.578	.2801	.0509
#1	52.74	46.86	184.0	4805.	20.90	52.24	9474.
#2	52.15	46.94	163.7	4801.	20.43	52.03	9481.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.91	10700.	19.53	51.30	50.54	54.52	197.0
SDev	.05	60.	1.27	.75	.08	5.67	.0
%RSD	.2615	.5605	6.514	1.471	.1495	10.40	.0047
#1	18.87	10660.	20.43	51.83	50.59	58.53	197.0
#2	18.94	10740.	18.63	50.76	50.48	50.51	197.0

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	100.1	110.8	39.26	9.950	10.94	18.92	7.908
SDev	.4	1.6	.88	.326	2.62	.52	.074
%RSD	.3736	1.446	2.242	3.273	23.92	2.725	.9414
#1	100.4	111.9	39.89	9.719	9.094	19.29	7.961
#2	99.87	109.6	38.64	10.18	12.80	18.56	7.855

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	10.96	19.21	18.33	9.381	11.72	98.85
SDev	.53	1.80	2.05	1.473	3.19	.67
%RSD	4.795	9.360	11.19	15.70	27.22	.6735
#1	10.59	20.48	16.88	8.339	9.461	98.38
#2	11.33	17.93	19.79	10.42	13.97	99.32

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1222	--	--	--	--	--	--
SDev	1.209125	--	--	--	--	--	--
%RSD	.0989261	--	--	--	--	--	--
#1	1221	--	--	--	--	--	--
#2	1223	--	--	--	--	--	--

304518

Method: SW846 Sample Name: 88350 Operator:
Run Time: 10/17/98 05:04:54
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31.98	-.7129	471.5	-.0327	-.0816	55180.	1.797
SDev	2.34	.9636	.3	.0168	.1830	161.	.343
%RSD	7.310	135.2	.0602	51.31	224.2	.2926	19.08
#1	33.64	-.0315	471.3	-.0445	.0478	55060.	2.040
#2	30.33	-1.394	471.7	-.0208	-.2110	55290.	1.555
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.9218	5.510	623.6	18730.	40.24	2.882	1338.
SDev	.2461	.311	3.2	52.	.06	.554	1.
%RSD	26.70	5.652	.5174	.2768	.1398	19.22	.0554
#1	1.096	5.731	625.9	18690.	40.20	3.273	1338.
#2	.7478	5.290	621.3	18770.	40.28	2.490	1339.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6374	14900.	-3.720	2.219	8.967	16.16	17.26
SDev	.2276	9.	1.121	.320	.138	1.29	1.58
%RSD	35.70	.0618	30.13	14.43	1.536	7.958	9.148
#1	.7983	14900.	-4.513	2.446	9.065	17.07	16.15
#2	.4765	14890.	-2.928	1.993	8.870	15.25	18.38
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	349.1	8.124	.0792	1.640	1.455	-2.722	3.490
SDev	.1	.342	.4479	1.216	.605	.861	.711
%RSD	.0427	4.213	565.2	74.18	41.54	31.63	20.38
#1	349.0	8.366	.3959	.7797	1.028	-2.113	2.987
#2	349.2	7.882	-.2375	2.500	1.883	-3.330	3.993
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	

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Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	.7051	-4.574	.9679	-2.623	3.481	39.90
SDev	1.468	.067	2.719	2.433	2.121	.20
%RSD	208.2	1.463	281.0	92.78	60.94	.5057
#1	-.3327	-4.621	2.891	-.9021	1.981	39.76
#2	1.743	-4.527	-.9549	-4.343	4.981	40.05
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1159	--	--	--	--	--	--
SDev	3.425912	--	--	--	--	--	--
%RSD	.2956914	--	--	--	--	--	--
#1	1156	--	--	--	--	--	--
#2	1161	--	--	--	--	--	--

Method: SW846 Sample Name: 89324 Operator:
Run Time: 10/17/98 05:10:17
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	90.69	-2.263	23.17	.0335	.1295	3600.	.6010
SDev	2.16	.670	.01	.0031	.0584	2.	.1156
%RSD	2.377	29.61	.0496	9.095	45.08	.0455	19.23
#1	92.22	-1.789	23.18	.0313	.0882	3602.	.5193
#2	89.17	-2.737	23.16	.0356	.1708	3599.	.6827
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4091	1.055	163.6	1196.	37.57	.8749	1101.
SDev	.3726	.085	6.2	1.	.01	.4750	4.
%RSD	91.07	8.104	3.767	.0540	.0251	54.30	.3919
#1	.1457	.9941	159.3	1197.	37.58	.5390	1104.
#2	.6726	1.115	168.0	1196.	37.56	1.211	1098.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

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Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0999	11090.	-3.590	.0984	13.42	1.138	3.793
SDev	.0057	17.	.069	.5205	.16	.245	1.424
%RSD	5.702	.1543	1.925	528.9	1.174	21.56	37.53
#1	.0959	11080.	-3.639	-.2696	13.53	.9647	2.787
#2	.1040	11100.	-3.542	.4664	13.31	1.312	4.800
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	28.14	4.265	-.9411	-.6992	3.735	2.018	-2.235
SDev	.07	1.380	1.0403	1.4239	1.943	.082	1.424
%RSD	.2453	32.35	110.5	203.6	52.02	4.080	63.71
#1	28.18	3.289	-1.677	-1.706	5.110	1.959	-1.228
#2	28.09	5.241	-.2055	.3076	2.361	2.076	-3.241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	.0519	1.199	3.637	-2.530	6.853	60.34
SDev	2.845	.232	.217	.766	2.531	.61
%RSD	5478.	19.33	5.958	30.28	36.93	1.016
#1	-1.960	1.035	3.791	-1.988	8.643	59.91
#2	2.064	1.362	3.484	-3.071	5.063	60.77
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1168	--	--	--	--	--	--
SDev	3.546841	--	--	--	--	--	--
%RSD	.3036491	--	--	--	--	--	--
#1	1166	--	--	--	--	--	--
#2	1171	--	--	--	--	--	--

Method: SW846 Sample Name: 89325 Operator:
Run Time: 10/17/98 05:15:40
Comment: 7050T2/S1T3

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Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	91.05	-2.173	26.00	.0702	-.1511	7238.	1.004
SDev	1.52	1.345	.04	.0006	.0556	8.	.140
%RSD	1.670	61.90	.1704	.8101	36.84	.1118	13.89
#1	92.13	-3.124	26.03	.0698	-.1117	7232.	1.103
#2	89.98	-1.222	25.97	.0706	-.1904	7244.	.9055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3947	1.318	2051.	1555.	39.65	1.107	1510.
SDev	.2231	.254	5.	6.	.26	.141	5.
%RSD	56.53	19.28	.2474	.3819	.6644	12.74	.3422
#1	.2369	1.138	2048.	1551.	39.46	1.008	1507.
#2	.5525	1.497	2055.	1559.	39.84	1.207	1514.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4739	26030.	-3.162	.7285	48.58	.9159	4.113
SDev	.0023	21.	2.744	.6892	.10	.2478	.412
%RSD	.4768	.0821	86.76	94.60	.1997	27.06	10.00
#1	.4755	26020.	-5.102	1.216	48.51	1.091	4.404
#2	.4723	26050.	-1.222	.2412	48.64	.7407	3.822
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	61.51	3.445	.0433	-.2034	2.200	1.235	-1.791
SDev	.03	1.547	.9201	.8272	.074	.249	.916
%RSD	.0411	44.91	2125.	406.8	3.377	20.13	51.16
#1	61.53	4.539	-.6073	.3816	2.147	1.410	-2.438
#2	61.50	2.351	.6939	-.7883	2.252	1.059	-1.143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	.5789	1.468	.7458	-3.770	5.170	66.38
SDev	1.698	2.206	3.673	2.916	1.344	.38

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%RSD	293.2	150.3	492.5	77.34	26.00	.5735
#1	1.779	3.028	-1.851	-5.832	6.121	66.11
#2	-.6214	-.0918	3.343	-1.708	4.220	66.65
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1175	--	--	--	--	--	--
SDev	2.599688	--	--	--	--	--	--
%RSD	.2212209	--	--	--	--	--	--
#1	1173	--	--	--	--	--	--
#2	1177	--	--	--	--	--	--

Method: SW846 Sample Name: 89326 Operator:
Run Time: 10/17/98 05:21:04
Comment: 7050T2/5173
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11.50	-.7474	13.64	-.0317	-.0965	3202.	.2994
SDev	3.71	2.1576	.08	.0189	.0680	1.	.3728
%RSD	32.24	288.7	.5854	59.50	70.45	.0405	124.5
#1	14.12	.7782	13.69	-.0184	-.1446	3201.	.5630
#2	8.877	-2.273	13.58	-.0450	-.0484	3203.	.0357
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1191	-.0390	44.34	819.5	17.79	.5552	825.7
SDev	.4725	.1844	1.73	1.2	.06	.3592	8.7
%RSD	396.8	472.9	3.901	.1435	.3634	64.70	1.048
#1	.2150	-.1694	45.56	818.7	17.84	.8092	831.8
#2	-.4532	.0914	43.12	820.3	17.74	.3012	819.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0861	20680.	-3.745	.2194	16.57	.0039	4.158
SDev	.0067	159.	1.950	.2951	.01	.1549	1.106
%RSD	7.829	.7693	52.07	134.5	.0357	3946.	26.61

304523

#1	-.0909	20800.	-2.366	.4280	16.57	.1135	3.376
#2	-.0813	20570.	-5.124	.0108	16.58	-.1056	4.941
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	24.38	2.143	-1.836	-.2607	3.839	-1.458	.0468
SDev	.12	.884	.745	.9285	2.146	.064	.0168
%RSD	.4753	41.26	40.59	356.1	55.90	4.415	35.86
#1	24.47	1.518	-1.309	-.9173	2.321	-1.503	.0587
#2	24.30	2.768	-2.363	.3958	5.356	-1.412	.0350
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	-.4298	-2.929	1.469	1.886	4.804	31.18
SDev	1.4005	.310	.427	2.864	1.788	.44
%RSD	325.8	10.58	29.09	151.9	37.22	1.426
#1	-1.420	-3.148	1.771	-.1395	3.539	31.49
#2	.5605	-2.710	1.167	3.911	6.068	30.87
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1157	--	--	--	--	--	--
SDev	6.327967	--	--	--	--	--	--
%RSD	.5470163	--	--	--	--	--	--
#1	1152	--	--	--	--	--	--
#2	1161	--	--	--	--	--	--

Method: SW846 Sample Name: 89327 Operator:
Run Time: 10/17/98 05:26:27
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	38.02	-1.323	20.49	-.0248	.0528	3816.	.0772
SDev	3.61	1.601	.07	.0048	.0563	10.	.1742
%RSD	9.506	121.0	.3203	19.31	106.7	.2499	225.6

304524

#1	40.57	-2.455	20.54	-.0214	.0926	3822.	.2004
#2	35.46	-.1909	20.44	-.0282	.0129	3809.	-.0459
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0285	.4238	-6.483	1042.	20.79	.5915	1086.
SDev	.1988	.2400	15.062	6.	.03	.2595	9.
%RSD	698.6	56.63	232.3	.6057	.1531	43.88	.8543
#1	.1690	.2541	4.167	1047.	20.77	.7750	1092.
#2	-.1121	.5936	-17.13	1038.	20.82	.4080	1079.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4707	13900.	-3.256	.0508	21.85	.2982	3.589
SDev	.2938	29.	.891	.8459	.22	.1572	1.745
%RSD	62.40	.2057	27.36	1664.	.9994	52.70	48.63
#1	.6784	13880.	-3.885	.6490	22.00	.1871	4.823
#2	.2630	13920.	-2.626	-.5473	21.69	.4093	2.355
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	29.84	2.630	-1.608	-.0168	.4683	.5319	-1.403
SDev	.01	1.011	.127	.5468	.7033	1.981	1.194
%RSD	.0296	38.46	7.887	3246.	150.2	372.5	85.10
#1	29.85	1.914	-1.698	-.4035	-.0290	1.933	-2.248
#2	29.83	3.345	-1.518	.3698	.9656	-.8692	-.5589
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	.6597	.2612	1.053	-.5465	.9645	23.30	
SDev	.2236	1.614	2.717	3.5659	.7258	.03	
%RSD	33.90	618.1	258.0	652.5	75.25	.1500	
#1	.5016	1.403	2.974	-3.068	1.478	23.27	
#2	.8179	-.8802	-.8679	1.975	.4513	23.32	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	

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High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1152	--	--	--	--	--	--
SDev	6.045797	--	--	--	--	--	--
%RSD	.5249913	--	--	--	--	--	--
#1	1147	--	--	--	--	--	--
#2	1156	--	--	--	--	--	--

Method: SW846 Sample Name: 89328 Operator:
Run Time: 10/17/98 05:31:50
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-23.07	.0975	14.90	-.0597	-.3724	17230.	.2584
SDev	1.10	.5050	.03	.0104	.0761	1.	.1396
%RSD	4.773	517.9	.2010	17.41	20.43	.0049	54.04
#1	-23.84	.4546	14.92	-.0671	-.3186	17230.	.3572
#2	-22.29	-.2596	14.88	-.0524	-.4261	17230.	.1597
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4529	.0750	10050.	1953.	46.43	2.729	2627.
SDev	.0238	.1363	5.	6.	.04	.057	8.
%RSD	5.256	181.8	.0510	.2887	.0836	2.091	.2861
#1	-.4361	-.0214	10050.	1949.	46.46	2.689	2633.
#2	-.4697	.1714	10040.	1957.	46.40	2.769	2622.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0216	20840.	-2.553	.3837	32.67	.5526	182.2
SDev	.2401	51.	1.895	.0753	.19	.3085	1.5
%RSD	1113.	.2445	74.24	19.63	.5842	55.81	.8497
#1	-.1913	20880.	-3.893	.4369	32.80	.7708	183.3
#2	.1482	20810.	-1.213	.3304	32.53	.3345	181.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.

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Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	151.8	2.203	-1.550	-1.189	-.4103	-1.669	-1.263
SDev	.1	.376	.603	1.058	2.1698	.095	1.514
%RSD	.0907	17.05	38.92	88.96	528.8	5.702	119.9
#1	151.9	2.469	-1.977	-.4411	1.124	-1.736	-.1919
#2	151.7	1.938	-1.124	-1.937	-1.945	-1.601	-2.333
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	-1.163	-1.436	-2.155	-4.471	1.607	58.99
SDev	.830	.366	1.019	3.371	1.570	.62
%RSD	71.39	25.50	47.29	75.40	97.73	1.046
#1	-.5758	-1.177	-2.876	-2.087	2.717	58.55
#2	-1.750	-1.695	-1.434	-6.854	.4963	59.42
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1178	--	--	--	--	--	--
SDev	4.493995	--	--	--	--	--	--
%RSD	.3816491	--	--	--	--	--	--
#1	1174	--	--	--	--	--	--
#2	1181	--	--	--	--	--	--

Method: SW846 Sample Name: CCV2 Operator:
Run Time: 10/17/98 05:37:11
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	254400.	4974.	10340.	990.4	2542.	128600.	H5287.
SDev	57.	7.	17.	1.0	7.	200.	7.
%RSD	.0223	.1333	.1646	.1055	.2705	.1554	.1334
#1	254500.	4969.	10350.	989.7	2537.	128400.	H5282.
#2	254400.	4979.	10330.	991.1	2546.	128700.	H5292.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

304527

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2555.	12950.	101000.	128600.	5195.	2536.	48750.
SDev	1.	2.	143.	117.	7.	1.	61.
%RSD	.0359	.0187	.1418	.0909	.1444	.0586	.1253
#1	2554.	12950.	101100.	128500.	5190.	2537.	48700.
#2	2556.	12950.	100900.	128700.	5200.	2534.	48790.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1269.	123000.	4994.	2586.	2551.	2599.	2521.
SDev	.	10.	20.	2.	4.	5.	5.
%RSD	.0181	.0083	.4082	.0909	.1696	.1956	.2095
#1	1269.	123000.	4979.	2584.	2548.	2595.	2524.
#2	1269.	123000.	5008.	2588.	2554.	2602.	2517.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	2636.
Low	1182.	118200.	4728.	2364.	2364.	2364.	2364.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5119.	1037.	10320.	10170.	4813.	1018.	10190.
SDev	3.	5.	7.	33.	6.	5.	4.
%RSD	.0645	.4575	.0668	.3212	.1168	.5196	.0384
#1	5121.	1034.	10320.	10150.	4809.	1015.	10190.
#2	5116.	1041.	10330.	10200.	4816.	1022.	10180.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5272.	1054.	10540.	10540.	5272.	1054.	
Low	4728.	946.0	9455.	9455.	4728.	946.0	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	10170.	1015.	1025.	4822.	4808.	1001.
SDev	51.	7.	3.	17.	17.	1.
%RSD	.5011	.6470	.2668	.3480	.3495	.1301
#1	10130.	1011.	1023.	4834.	4796.	1001.
#2	10200.	1020.	1027.	4810.	4820.	1002.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						1054.
Low						946.0

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

304528

Wavlen	371.030	--	--	--	--	--	--
Avge	1117	--	--	--	--	--	--
SDev	2.881771	--	--	--	--	--	--
%RSD	.2579031	--	--	--	--	--	--
#1	1115	--	--	--	--	--	--
#2	1119	--	--	--	--	--	--

Method: SW846 Sample Name: CCB2 Operator:
Run Time: 10/17/98 05:42:32
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-20.03	-1.825	-.4724	.0062	-.1934	-9.598	-.5604
SDev	4.91	.214	.0286	.0015	.1056	.430	.1735
%RSD	24.53	11.74	6.052	23.86	54.60	4.475	30.96
#1	-16.56	-1.977	-.4522	.0073	-.2681	-9.295	-.4377
#2	-23.50	-1.674	-.4926	.0052	-.1187	-9.902	-.6831
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3967	-.0300	-9.241	-3.377	-.2390	-.4025	191.9
SDev	.0082	.0170	7.166	2.533	.0334	.3470	5.0
%RSD	2.068	56.55	77.55	75.02	13.99	86.21	2.591
#1	-.3909	-.0420	-14.31	-1.586	-.2154	-.1571	188.4
#2	-.4025	-.0180	-4.173	-5.168	-.2627	-.6478	195.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0609	-737.3	-1.074	-.2060	-.0124	1.053	2.439
SDev	.0826	513.1	1.357	.3809	.0446	.082	.023
%RSD	135.7	69.60	126.3	184.9	359.1	7.764	.9456
#1	.1194	-374.4	-.1146	-.4753	.0191	.9956	2.422
#2	.0025	L-1100.	-2.034	.0634	-.0440	1.111	2.455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	-.2996	.3419	-.4897	.1921	2.928	1.022	-2.708
SDev	.0361	1.129	1.5133	.5637	3.219	.290	.254

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%RSD	12.04	330.3	309.0	293.4	109.9	28.38	9.380
#1	-.2741	-.4567	.5803	-.2065	H5.204	1.227	-2.888
#2	-.3251	1.141	-1.560	.5907	.6519	.8169	-2.529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	1.625	1.597	-.1505	1.631	3.565	.1498	
SDev	.718	.139	.5917	.686	4.483	.8723	
%RSD	44.19	8.729	393.1	42.07	125.7	582.2	
#1	1.117	1.696	.2679	2.117	6.735	.7667	
#2	2.133	1.499	-.5689	1.146	.3953	-.4670	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1209	--	--	--	--	--	--
SDev	3.083320	--	--	--	--	--	--
%RSD	.2549919	--	--	--	--	--	--
#1	1211	--	--	--	--	--	--
#2	1207	--	--	--	--	--	--

Method: SW846 Sample Name: 89329 Operator:
Run Time: 10/17/98 05:47:54
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	86.46	-1.105	22.98	.0334	.3298	5020.	.1407
SDev	.13	1.609	.03	.0137	.0587	6.	.6124
%RSD	.1510	145.6	.1138	41.00	17.80	.1218	435.3
#1	86.37	-2.243	23.00	.0431	.2882	5016.	.5737
#2	86.55	.0326	22.96	.0237	.3713	5025.	-.2923
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.7633	.9365	646.9	1210.	71.67	1.033	1320.
SDev	.0314	.4497	11.1	5.	.18	.001	.
%RSD	4.110	48.02	1.711	.3777	.2494	.1177	.0299

304530

#1	.7412	1.254	654.7	1207.	71.55	1.032	1320.
#2	.7855	.6185	639.0	1214.	71.80	1.034	1320.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0871	38340.	-2.842	.3132	19.81	.4854	8.382
SDev	.0621	231.	1.760	.4569	.15	.1931	1.196
%RSD	71.25	.6033	61.93	145.9	.7355	39.77	14.27
#1	-.1310	38180.	-4.086	.6363	19.71	.3489	7.537
#2	-.0432	38500.	-1.597	-.0099	19.91	.6219	9.228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	40.42	1.758	-.6415	.1556	.2582	.2421	-1.325
SDev	.03	.037	.0543	.9473	1.963	.6421	.209
%RSD	.0648	2.087	8.459	609.0	760.3	265.3	15.81
#1	40.44	1.783	-.6031	-.5143	1.646	-.2120	-1.473
#2	40.40	1.732	-.6799	.8254	-1.130	.6961	-1.177
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	.8794	-.5552	1.819	-1.638	1.195	38.74	
SDev	1.316	.8598	.206	4.849	.522	.06	
%RSD	149.6	154.9	11.33	296.0	43.73	.1649	
#1	-.0510	-1.163	1.673	1.790	1.564	38.70	
#2	1.810	.0528	1.964	-5.066	.8253	38.79	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1185	--	--	--	--	--	--
SDev	2.801237	--	--	--	--	--	--
%RSD	.2364450	--	--	--	--	--	--
#1	1183	--	--	--	--	--	--

304531

#2	1187	--	--	--	--	--	--

Method: SW846 Sample Name: 89331 Operator:
Run Time: 10/17/98 05:53:16
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	260.7	-2.146	30.64	.1849	1.092	5379.	.5429
SDev	.8	1.641	.06	.0356	.086	2.	.3095
%RSD	.3054	76.48	.2058	19.23	7.891	.0289	57.02
#1	261.2	-3.306	30.68	.2101	1.153	5378.	.7617
#2	260.1	-.9852	30.60	.1598	1.031	5380.	.3240
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.388	2.608	2968.	1304.	242.1	3.254	1425.
SDev	.353	.535	11.	2.	.3	.513	8.
%RSD	8.039	20.50	.3683	.1327	.1125	15.75	.5376
#1	4.638	2.986	2975.	1303.	241.9	3.617	1430.
#2	4.139	2.230	2960.	1305.	242.2	2.892	1420.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3207	39520.	-2.755	-.0386	63.07	.6737	21.21
SDev	1.234	256.	1.275	.4524	.14	.8505	.30
%RSD	384.7	.6490	46.28	1172.	.2245	126.2	1.402
#1	1.193	39700.	-1.854	.2813	63.17	1.275	21.42
#2	-.5518	39340.	-3.657	-.3585	62.97	.0723	21.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	43.44	1.202	-.8484	1.247	2.435	.1754	-.1199
SDev	.00	.787	.4934	.419	.620	.2219	.4440
%RSD	.0067	65.47	58.15	33.59	25.48	126.5	370.4
#1	43.44	1.758	-.4996	1.543	2.874	.0186	.1941
#2	43.44	.6454	-1.197	.9507	1.996	.3323	-.4339
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

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High	10000.	2000.	100000.	20000.	10000.	2000.
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	1.914	-.0288	.5639	.6491	3.316	41.39
SDev	.406	.3784	1.424	.6757	1.267	.51
%RSD	21.22	1314.	252.6	104.1	38.22	1.228
#1	2.201	.2388	-.4433	.1713	4.212	41.75
#2	1.626	-.2964	1.571	1.127	2.420	41.03
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1166	--	--	--	--	--	--
SDev	5.179264	--	--	--	--	--	--
%RSD	.4442752	--	--	--	--	--	--
#1	1162	--	--	--	--	--	--
#2	1169	--	--	--	--	--	--

Method: SW846 Sample Name: 89380 Operator:
Run Time: 10/17/98 05:58:38
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-15.89	1.434	4.219	-.0668	-.3646	9199.	.1740
SDev	2.58	1.115	.059	.0039	.0612	3.	.2182
%RSD	16.26	77.77	1.402	5.787	16.79	.0289	125.4
#1	-14.07	.6454	4.260	-.0641	-.3213	9201.	.3282
#2	-17.72	2.222	4.177	-.0696	-.4079	9198.	.0197
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.6080	2.254	19350.	704.7	53.79	.0925	810.7
SDev	.2599	.379	61.	3.2	.08	.3980	5.8
%RSD	42.75	16.82	.3170	.4475	.1537	430.2	.7190
#1	-.4243	2.522	19390.	706.9	53.85	-.1889	814.8
#2	-.7918	1.986	19300.	702.5	53.73	.3740	806.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.

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Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3503	9877.	-1.925	.7317	9.225	-.0253	6.896
SDev	.5164	124.	1.629	.5024	.097	.6950	2.782
%RSD	147.4	1.258	84.63	68.66	1.050	2743.	40.34
#1	.7155	9965.	-.7729	1.087	9.293	-.5168	8.863
#2	-.0148	9789.	-3.077	.3764	9.156	.4661	4.929
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	47.36	2.386	-.9622	-.7170	2.422	-1.539	-2.354
SDev	.09	.678	.4349	1.0973	.554	1.344	.324
%RSD	.1955	28.43	45.20	153.0	22.90	87.31	13.79
#1	47.42	2.866	-.6547	-1.493	2.814	-2.489	-2.124
#2	47.29	1.907	-1.270	.0589	2.030	-.5889	-2.583
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	.0899	-.8260	-2.988	-2.192	4.715	21.29
SDev	1.807	.8717	2.289	.521	1.091	.55
%RSD	2010.	105.5	76.62	23.77	23.15	2.574
#1	-1.188	-1.442	-4.606	-2.560	5.486	21.68
#2	1.368	-.2097	-1.369	-1.823	3.943	20.91
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1166	--	--	--	--	--	--
SDev	6.348079	--	--	--	--	--	--
%RSD	.5443228	--	--	--	--	--	--
#1	1162	--	--	--	--	--	--
#2	1171	--	--	--	--	--	--

Method: SW846 Sample Name: 89381 Operator: 304534
Run Time: 10/17/98 06:04:01

Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-10.71	-.2933	4.235	-.0385	-.3854	4376.	-.1371
SDev	2.86	1.2997	.012	.0097	.0372	5.	.0585
%RSD	26.67	443.1	.2763	25.10	9.647	.1247	42.68
#1	-8.692	.6257	4.243	-.0453	-.3591	4372.	-.1784
#2	-12.73	-1.212	4.227	-.0316	-.4116	4380.	-.0957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5350	-.2927	9430.	548.7	15.70	.0744	890.7
SDev	.3421	.0703	28.	2.9	.04	.3540	4.6
%RSD	63.95	24.03	.2979	.5312	.2336	475.5	.5109
#1	-.2930	-.2430	9411.	546.7	15.73	.3247	887.5
#2	-.7769	-.3425	9450.	550.8	15.68	-.1759	893.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0962	12400.	-3.601	-.0632	4.207	-.1340	3.608
SDev	.2912	2.	1.802	.3556	.075	.2065	.354
%RSD	302.8	.0156	50.05	562.6	1.772	154.1	9.810
#1	-.1097	12400.	-4.875	-.3147	4.154	.0120	3.858
#2	.3021	12400.	-2.326	.1882	4.259	-.2801	3.358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	27.39	.6149	-1.672	-1.262	2.761	1.577	-2.221
SDev	.01	1.198	.776	.019	.726	.425	.354
%RSD	.0245	194.9	46.43	1.495	26.28	26.95	15.94
#1	27.40	-.2323	-1.123	-1.275	2.248	1.878	-2.472
#2	27.39	1.462	-2.221	-1.248	3.275	1.277	-1.971
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	-.7964	2.837	-.9670	-2.974	5.615	21.50

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SDev	.1503	.531	.2133	2.869	.344	.37
%RSD	18.87	18.71	22.06	96.47	6.136	1.728
#1	-.6901	3.212	-.8161	-5.003	5.858	21.76
#2	-.9027	2.462	-1.118	-.9452	5.371	21.24
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1163	--	--	--	--	--	--
SDev	2.619886	--	--	--	--	--	--
%RSD	.2252201	--	--	--	--	--	--
#1	1161	--	--	--	--	--	--
#2	1165	--	--	--	--	--	--

Method: SW846 Sample Name: 89382 Operator:
Run Time: 10/17/98 06:09:23
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.618	-.6470	3.418	-.0596	-.2391	5497.	.4463
SDev	.061	.9094	.008	.0018	.1222	8.	.0584
%RSD	1.087	140.6	.2376	2.990	51.09	.1396	13.08
#1	5.575	-1.290	3.412	-.0609	-.3255	5491.	.4050
#2	5.661	-.0040	3.424	-.0584	-.1527	5502.	.4875
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2844	960.6	13410.	436.8	37.86	3.242	946.4
SDev	.1960	1.3	3.	.8	.01	.219	3.7
%RSD	68.93	.1330	.0255	.1741	.0158	6.742	.3876
#1	-.1458	959.7	13410.	436.3	37.85	3.087	943.8
#2	-.4230	961.5	13410.	437.3	37.86	3.397	949.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0078	14930.	-3.504	-.2261	68.82	-.1519	9.674
SDev	.2582	128.	.816	.2793	.03	.1887	1.183

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%RSD	3323.	.8560	23.29	123.6	.0502	124.2	12.23
#1	.1904	14840.	-4.080	-.4236	68.80	-.2854	10.51
#2	-.1748	15020.	-2.927	-.0285	68.84	-.0185	8.838
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	30.60	10.25	-1.529	362.8	2.654	2.338	361.6
SDev	.02	.24	.025	.9	.825	.214	2.1
%RSD	.0631	2.333	1.653	.2525	31.08	9.149	.5792
#1	30.62	10.08	-1.547	362.2	2.071	2.187	360.1
#2	30.59	10.42	-1.511	363.5	3.237	2.489	363.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	363.4	3.504	-.0181	1.080	3.430	19.36	
SDev	.3	.217	.2076	2.795	2.632	1.11	
%RSD	.0903	6.195	1149.	258.8	76.74	5.743	
#1	363.2	3.350	-.1648	3.056	1.569	20.15	
#2	363.7	3.657	.1287	-.8962	5.291	18.58	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1156	--	--	--	--	--	--
SDev	1.975013	--	--	--	--	--	--
%RSD	.1708717	--	--	--	--	--	--
#1	1154	--	--	--	--	--	--
#2	1157	--	--	--	--	--	--

Method: SW846 Sample Name: 89384 Operator:
Run Time: 10/17/98 06:14:46
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-22.58	-.9547	4.384	-.0663	-.1187	4759.	.4597
SDev	1.59	.0577	.078	.0059	.1166	5.	.1417

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%RSD	7.034	6.047	1.777	8.931	98.22	.1055	30.82
#1	-21.45	-.9955	4.439	-.0622	-.0363	4755.	.5599
#2	-23.70	-.9139	4.329	-.0705	-.2011	4762.	.3595
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.4386	-.0633	60.81	779.8	35.34	.0507	3945.
SDev	.2298	.2960	6.19	1.5	.00	.6195	3.
%RSD	52.39	467.8	10.19	.1950	.0121	1223.	.0865
#1	-.2761	.1460	65.18	780.9	35.34	.4887	3947.
#2	-.6010	-.2725	56.43	778.7	35.34	-.3874	3942.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0717	13540.	-3.562	-.4899	3.439	-.1300	24.23
SDev	.3958	294.	.077	.4329	.120	.1138	1.32
%RSD	552.0	2.172	2.151	88.37	3.502	87.52	5.462
#1	.3516	13750.	-3.617	-.1837	3.524	-.0495	23.30
#2	-.2082	13340.	-3.508	-.7960	3.353	-.2104	25.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	34.62	1.144	-1.546	-.9035	-2.369	.8146	-1.989
SDev	.04	.479	.530	.7093	3.785	.5974	2.375
%RSD	.1206	41.84	34.31	78.51	159.8	73.34	119.4
#1	34.65	.8055	-1.171	-1.405	.3074	.3921	-3.668
#2	34.59	1.482	-1.921	-.4019	L-5.045	1.237	-.3095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	-.3758	-.0355	2.496	-5.448	-.8416	22.59	
SDev	.1241	.1734	1.447	5.090	3.1326	.61	
%RSD	33.03	488.5	57.95	93.43	372.2	2.687	
#1	-.2880	-.1582	1.473	-1.849	1.374	23.02	
#2	-.4636	.0871	3.520	-9.048	-3.057	22.16	

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

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1154	--	--	--	--	--	--
SDev	3.325180	--	--	--	--	--	--
%RSD	.2880494	--	--	--	--	--	--
#1	1152	--	--	--	--	--	--
#2	1157	--	--	--	--	--	--

Method: SW846 Sample Name: 89385 Operator:
Run Time: 10/17/98 06:20:10
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-16.72	-2.481	.4016	-.0336	-.2980	1866.	.1485
SDev	1.09	1.998	.0246	.0036	.0758	1.	.1441
%RSD	6.509	80.53	6.126	10.57	25.46	.0572	97.02
#1	-15.95	-1.068	.3842	-.0361	-.2443	1867.	.0466
#2	-17.49	-3.893	.4190	-.0311	-.3516	1865.	.2504
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.3952	-.1273	40.69	1590.	3.094	.1102	19880.
SDev	.3033	.0251	3.88	3.	.016	.6520	6.
%RSD	76.75	19.70	9.546	.1600	.5200	591.7	.0325
#1	-.1807	-.1451	43.44	1592.	3.105	.5713	19880.
#2	-.6097	-.1096	37.94	1588.	3.083	-.3508	19890.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2597	16470.	-3.951	-.2524	2.974	-.4472	758.3
SDev	.0789	98.	2.875	.1706	.006	.1261	.8
%RSD	30.36	.5967	72.78	67.58	.2170	28.19	.1042
#1	.2040	16540.	-5.984	-.3731	2.979	-.5364	758.8
#2	.3155	16400.	-1.918	-.1318	2.970	-.3581	757.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

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High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	22.54	2.049	-2.513	.1548	1.415	-.8948	-1.529
SDev	.00	.370	.756	2.152	.023	1.3983	1.382
%RSD	.0082	18.06	30.10	1390.	1.640	156.3	90.41
#1	22.54	2.311	-1.978	-1.367	1.431	.0939	-.5514
#2	22.54	1.787	-3.048	1.676	1.398	-1.884	-2.506
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	.9826	-.6939	-1.318	-3.371	3.794	8.319	
SDev	3.916	1.5893	1.016	.614	.272	.516	
%RSD	398.5	229.0	77.09	18.20	7.157	6.200	
#1	-1.787	.4299	-.5994	-2.937	3.602	8.684	
#2	3.752	-1.818	-2.036	-3.805	3.986	7.955	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1179	--	--	--	--	--	--
SDev	5.179177	--	--	--	--	--	--
%RSD	.4392211	--	--	--	--	--	--
#1	1176	--	--	--	--	--	--
#2	1183	--	--	--	--	--	--

Method: SW846 Sample Name: 89616 Operator:
Run Time: 10/17/98 06:25:33
Comment: 705012/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	149.9	-.4735	121.4	.0027	.0264	22680.	3.300
SDev	4.4	1.2791	.1	.0158	.1440	4.	.459
%RSD	2.935	270.1	.1169	579.5	545.7	.0195	13.90
#1	153.0	-1.378	121.3	-.0085	-.0755	22680.	2.975
#2	146.8	.4309	121.5	.0139	.1282	22690.	3.624
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass

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High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.3120	3.918	1926.	9582.	420.0	4.783	3054.
SDev	.0601	.532	21.	2.	.8	.108	7.
%RSD	19.27	13.58	1.102	.0179	.1839	2.266	.2406
#1	.3545	3.542	1911.	9581.	420.6	4.859	3059.
#2	.2695	4.294	1941.	9584.	419.5	4.706	3049.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2516	26260.	-2.507	1.670	25.92	1.592	121.1
SDev	.3779	95.	.784	.207	.21	.369	2.6
%RSD	150.2	.3600	31.28	12.41	.8111	23.18	2.137
#1	-.5188	26320.	-3.062	1.523	26.07	1.852	119.2
#2	.0156	26190.	-1.953	1.816	25.77	1.331	122.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	122.0	2.926	4.287	9.575	.3591	5.165	9.166
SDev	.1	.340	1.484	.620	3.028	1.825	2.480
%RSD	.0882	11.61	34.62	6.472	843.2	35.34	27.06
#1	122.0	3.166	3.237	10.01	-1.782	6.456	10.92
#2	121.9	2.685	5.336	9.137	2.500	3.874	7.412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	9.767	3.847	7.785	-3.177	2.115	1506.	
SDev	.309	2.829	.184	.596	4.242	6.	
%RSD	3.167	73.53	2.366	18.76	200.6	.3812	
#1	9.548	5.847	7.654	-3.599	-.8854	1510.	
#2	9.985	1.847	7.915	-2.756	5.114	1502.	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	
IntStd	1	2	3	4	5	6	7

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Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1181	--	--	--	--	--	--
SDev	.9874636	--	--	--	--	--	--
%RSD	.0835925	--	--	--	--	--	--
#1	1181	--	--	--	--	--	--
#2	1182	--	--	--	--	--	--

Method: SW846 Sample Name: 89617 Operator:
Run Time: 10/17/98 06:30:57
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	145.0	-1.773	211.1	-.0387	-.0289	27740.	1.319
SDev	4.2	.325	2.7	.0149	.0949	263.	.127
%RSD	2.881	18.31	1.297	38.44	328.1	.9496	9.639
#1	148.0	-1.543	213.1	-.0492	.0382	27930.	1.409
#2	142.1	-2.002	209.2	-.0282	-.0961	27560.	1.229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.5318	2.803	2467.	12560.	786.4	2.125	3660.
SDev	.0987	.416	28.	124.	7.7	.222	40.
%RSD	18.55	14.83	1.125	.9871	.9806	10.44	1.086
#1	.6016	3.097	2487.	12650.	791.9	2.282	3688.
#2	.4621	2.509	2448.	12470.	781.0	1.968	3632.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.0224	34890.	-3.515	.6293	31.51	1.580	132.6
SDev	.3921	101.	.935	.1590	.34	.905	2.1
%RSD	1748.	.2888	26.60	25.26	1.093	57.28	1.597
#1	.2997	34960.	-2.854	.5169	31.75	2.219	134.1
#2	-.2548	34820.	-4.176	.7417	31.27	.9398	131.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

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Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	

Avge	163.0	3.721	4.380	16.09	3.792	7.712	16.21
SDev	1.9	.805	.898	.74	.500	1.756	2.45
%RSD	1.167	21.64	20.51	4.590	13.19	22.76	15.15
#1	164.4	4.291	5.015	16.61	3.438	6.471	17.94
#2	161.7	3.152	3.745	15.56	4.146	8.954	14.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	16.01	7.500	8.117	.1393	5.605	3038.	
SDev	.12	4.415	3.571	3.709	2.602	30.	
%RSD	.7407	58.87	44.00	2663.	46.41	.9827	
#1	15.93	4.378	10.64	2.762	3.766	3059.	
#2	16.10	10.62	5.591	-2.483	7.445	3017.	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1176	--	--	--	--	--	--
SDev	11.10404	--	--	--	--	--	--
%RSD	.9440992	--	--	--	--	--	--
#1	1168	--	--	--	--	--	--
#2	1184	--	--	--	--	--	--

Method: SW846 Sample Name: 89618 Operator:
Run Time: 10/17/98 06:36:19
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2615.	2.217	94.17	.2625	.9648	19980.	17.13
SDev	7.	.946	.07	.0154	.0291	64.	.05
%RSD	.2805	42.67	.0722	5.863	3.022	.3210	.3062
#1	2610.	1.548	94.22	.2516	.9854	19940.	17.09
#2	2620.	2.886	94.12	.2734	.9442	20030.	17.16
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.338	29.18	8635.	7951.	228.3	7.236	2924.

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SDev	.034	.20	17.	19.	.6	.197	7.
%RSD	1.442	.6951	.2014	.2436	.2681	2.721	.2540
#1	2.314	29.04	8647.	7937.	227.9	7.376	2919.
#2	2.362	29.32	8623.	7964.	228.8	7.097	2929.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.2569	20010.	-2.377	8.379	158.8	1.340	696.6
SDev	.0791	388.	.728	.328	1.1	.235	6.5
%RSD	30.81	1.939	30.62	3.915	.6919	17.53	.9304
#1	.3128	20290.	-1.863	8.147	158.1	1.174	701.2
#2	.2009	19740.	-2.892	8.611	159.6	1.506	692.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	99.74	6.518	94.81	83.03	1.006	4.864	81.47
SDev	.22	.175	.33	1.01	3.192	.440	1.28
%RSD	.2176	2.678	.3447	1.213	317.2	9.051	1.571
#1	99.58	6.395	95.04	82.32	3.263	5.175	82.37
#2	99.89	6.642	94.58	83.75	-1.251	4.553	80.56
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	83.80	5.441	3.688	-.5923	1.794	149.8	
SDev	2.15	.051	1.220	2.4953	3.540	1.1	
%RSD	2.565	.9370	33.07	421.3	197.3	.7443	
#1	82.28	5.477	4.551	1.172	4.297	150.6	
#2	85.32	5.405	2.826	-2.357	-.7088	149.0	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						5000.	
Low						-4.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1179	--	--	--	--	--	--
SDev	.4635209	--	--	--	--	--	--
%RSD	.0393052	--	--	--	--	--	--

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#1	1179	--	--	--	--	--	--
#2	1180	--	--	--	--	--	--

Method: SW846 Sample Name: CCV3 Operator:
Run Time: 10/17/98 06:41:40
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	254100.	5003.	10300.	990.7	2547.	128500.	H5296.
SDev	561.	4.	30.	.4	5.	162.	3.
%RSD	.2206	.0794	.2921	.0397	.2140	.1258	.0619
#1	254500.	5005.	10320.	990.5	2543.	128400.	H5294.
#2	253700.	5000.	10280.	991.0	2551.	128600.	H5299.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2551.	13020.	99710.	128200.	5208.	2534.	49100.
SDev	1.	37.	132.	142.	3.	2.	71.
%RSD	.0538	.2812	.1326	.1109	.0656	.0839	.1454
#1	2550.	13050.	99800.	128100.	5205.	2536.	49150.
#2	2552.	13000.	99620.	128300.	5210.	2533.	49050.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1270.	123200.	4996.	2597.	2560.	2600.	2531.
SDev	4.	600.	1.	.	.	2.	8.
%RSD	.2770	.4868	.0271	.0095	.0131	.0798	.3018
#1	1273.	123700.	4997.	2597.	2560.	2598.	2536.
#2	1268.	122800.	4995.	2597.	2559.	2601.	2525.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	2636.
Low	1182.	118200.	4728.	2364.	2364.	2364.	2364.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	5117.	1043.	10290.	10200.	4832.	1023.	10200.
SDev	8.	.	10.	42.	9.	2.	24.
%RSD	.1650	.0429	.1005	.4097	.1801	.2174	.2341
#1	5123.	1043.	10300.	10180.	4826.	1025.	10180.
#2	5111.	1043.	10280.	10230.	4838.	1022.	10220.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5272.	1054.	10540.	10540.	5272.	1054.	
Low	4728.	946.0	9455.	9455.	4728.	946.0	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	10210.	1019.	1031.	4844.	4826.	1003.	
SDev	51.	1.	8.	14.	6.	1.	
%RSD	.4973	.0546	.7560	.2829	.1287	.1051	
#1	10170.	1019.	1037.	4834.	4822.	1004.	
#2	10240.	1020.	1026.	4854.	4831.	1003.	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						1054.	
Low						946.0	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1118	--	--	--	--	--	--
SDev	1.229323	--	--	--	--	--	--
%RSD	.1099505	--	--	--	--	--	--
#1	1117	--	--	--	--	--	--
#2	1119	--	--	--	--	--	--

Method: SW846 Sample Name: CCB3 Operator:
Run Time: 10/17/98 06:47:02
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-13.66	-2.011	-.2983	.0053	-.0830	-7.736	-.0098
SDev	.31	.665	.0776	.0061	.0478	1.303	.1959
%RSD	2.301	33.10	26.03	113.9	57.64	16.84	2004.
#1	-13.88	-2.481	-.3532	.0010	-.1168	-8.658	-.1483
#2	-13.44	-1.540	-.2434	.0096	-.0492	-6.815	.1288
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2071	.2496	-7.824	2.976	-.1569	.3881	249.9
SDev	.1671	.0673	16.919	3.715	.0710	.2980	7.9
%RSD	80.66	26.97	216.3	124.8	45.26	76.79	3.167
#1	-.3253	.2020	-19.79	5.603	-.2071	.1773	244.3
#2	-.0890	.2971	4.140	.3493	-.1067	.5988	255.5

304546

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.6764	-145.7	-.9902	.6615	.0868	.8331	2.194
SDev	.0257	237.9	2.1731	.0415	.0385	.3364	1.963
%RSD	3.799	163.3	219.5	6.278	44.31	40.38	89.44
#1	.6582	-314.0	-2.527	.6908	.1141	1.071	.8066
#2	.6945	22.52	.5465	.6321	.0596	.5952	3.582
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	-.2264	.1899	.0404	-.6422	3.410	-.3790	-.9168
SDev	.0165	1.479	1.165	.1256	.274	.7875	1.4585
%RSD	7.279	778.5	2883.	19.56	8.025	207.8	159.1
#1	-.2381	-.8556	-.7835	-.7310	3.216	.1779	-1.948
#2	-.2147	1.236	.8643	-.5534	3.603	-.9358	.1145
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	-.5203	-1.083	1.010	2.958	3.625	1.969	
SDev	.5399	1.483	.605	1.799	.488	.269	
%RSD	103.8	137.0	59.93	60.82	13.46	13.67	
#1	-.1385	-.0341	.5822	1.686	3.970	1.778	
#2	-.9020	-2.131	1.438	4.231	3.280	2.159	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1180	--	--	--	--	--	--
SDev	2.236985	--	--	--	--	--	--
%RSD	.1895247	--	--	--	--	--	--
#1	1182	--	--	--	--	--	--
#2	1179	--	--	--	--	--	--

304547

Method: SW846 Sample Name: 89619 Operator:
Run Time: 10/17/98 06:52:24
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	246.4	-.4716	45.39	-.0002	-.0109	19040.	1.927
SDev	1.0	.8506	.08	.0316	.0341	20.	.289
%RSD	.4243	180.4	.1862	13370.	311.3	.1063	15.02
#1	245.7	-1.073	45.34	-.0226	.0132	19030.	2.131
#2	247.1	.1299	45.45	.0221	-.0351	19050.	1.722
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1269	5.437	797.5	7267.	89.84	2.500	2680.
SDev	.1820	.715	10.3	6.	.05	.392	5.
%RSD	143.3	13.15	1.296	.0859	.0602	15.68	.1916
#1	-.0017	4.932	790.1	7262.	89.80	2.777	2676.
#2	.2556	5.943	804.8	7271.	89.87	2.223	2683.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.0687	20410.	-2.621	1.769	24.51	1.779	131.0
SDev	.4002	167.	1.167	.860	.08	.229	1.7
%RSD	582.2	.8164	44.54	48.63	.3095	12.90	1.311
#1	-.3517	20290.	-3.446	1.161	24.45	1.941	129.8
#2	.2142	20530.	-1.796	2.377	24.56	1.617	132.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	90.20	5.875	10.69	13.80	4.389	2.131	13.09
SDev	.10	.355	.96	.34	1.097	2.911	.43
%RSD	.1070	6.040	9.000	2.460	25.00	136.6	3.315
#1	90.14	5.624	10.01	14.04	5.165	.0733	12.78
#2	90.27	6.126	11.37	13.56	3.613	4.189	13.40
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496

304548

Units						ppb
Avge	14.14	2.394	1.584	-.7968	6.967	86.72
SDev	.73	2.605	3.523	3.7849	.244	1.06
%RSD	5.131	108.8	222.4	475.0	3.509	1.220
#1	14.65	.5525	-.9073	1.880	6.794	85.98
#2	13.62	4.236	4.075	-3.473	7.140	87.47
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1159	--	--	--	--	--	--
SDev	.2216614	--	--	--	--	--	--
%RSD	.0191333	--	--	--	--	--	--
#1	1158	--	--	--	--	--	--
#2	1159	--	--	--	--	--	--

Method: SW846 Sample Name: 90219 Operator:
Run Time: 10/17/98 06:57:46
Comment: 705072/5173
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-16.10	-1.841	4.501	-.0063	-.1039	12510.	-.0647
SDev	3.84	1.881	.004	.0176	.0370	5.	.1255
%RSD	23.83	102.2	.0892	280.4	35.64	.0435	193.9
#1	-13.39	-3.170	4.504	-.0187	-.0777	12510.	.0240
#2	-18.82	-.5109	4.498	.0062	-.1301	12500.	-.1535
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.7010	18.50	865.1	2683.	10.10	.6027	804.8
SDev	.2991	.13	.8	1.	.03	.1321	4.9
%RSD	42.67	.7056	.0966	.0383	.3294	21.92	.6112
#1	-.4895	18.40	865.7	2682.	10.07	.5093	808.3
#2	-.9125	18.59	864.5	2684.	10.12	.6961	801.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

304549

Avge	-.1099	4470.	-5.215	.0116	20.24	-.0633	71.88
SDev	.4096	16.	1.217	.0924	.00	.0013	1.12
%RSD	372.8	.3474	23.33	798.6	.0071	2.012	1.560
#1	.1797	4481.	-4.355	.0769	20.24	-.0642	72.68
#2	-.3995	4459.	-6.076	-.0538	20.24	-.0624	71.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	30.75	1.584	-.6804	3.097	3.507	.6722	1.316
SDev	.04	.799	.1876	.237	1.568	.0539	1.364
%RSD	.1359	50.43	27.57	7.652	44.72	8.024	103.6
#1	30.78	2.149	-.8131	2.929	2.398	.7104	2.280
#2	30.72	1.019	-.5478	3.264	4.616	.6341	.3516
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	3.975	1.678	-1.364	-4.355	7.422	27.79
SDev	1.036	.644	1.453	3.607	.550	.27
%RSD	26.06	38.40	106.5	82.82	7.416	.9864
#1	3.243	1.223	-.3365	-6.906	7.033	27.59
#2	4.708	2.134	-2.391	-1.805	7.811	27.98
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1155	--	--	--	--	--	--
SDev	4.151404	--	--	--	--	--	--
%RSD	.3592987	--	--	--	--	--	--
#1	1152	--	--	--	--	--	--
#2	1158	--	--	--	--	--	--

Method: SW846 Sample Name: 88502-3X-7051 Operator:
Run Time: 10/17/98 07:03:08
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

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Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Avge	21230.	12.39	207.9	1.125	6.011	8807.	73.19
SDev	24.	1.22	.5	.001	.087	7.	.12
%RSD	.1146	9.845	.2447	.1294	1.452	.0796	.1633
#1	21250.	13.26	208.2	1.124	6.073	8802.	73.28
#2	21220.	11.53	207.5	1.126	5.950	8812.	73.11
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.73	197.6	56870.	5073.	808.6	74.13	2156.
SDev	.41	.2	107.	8.	1.0	.84	5.
%RSD	2.624	.1257	.1885	.1507	.1267	1.128	.2342
#1	15.44	197.8	56950.	5068.	807.9	74.72	2152.
#2	16.02	197.4	56790.	5079.	809.3	73.54	2159.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4206	-134.3	-2.813	71.93	767.7	4.511	1424.
SDev	.0682	190.1	1.277	.43	1.1	.150	5.
%RSD	16.21	141.5	45.41	.6042	.1465	3.336	.3774
#1	.3724	.0697	-3.716	71.62	766.9	4.404	1420.
#2	.4687	-268.7	-1.910	72.24	768.5	4.617	1428.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	54.65	72.40	579.2	735.4	3.104	2.327	731.2
SDev	.05	.04	.6	2.7	1.749	.911	.4
%RSD	.0830	.0517	.1078	.3674	56.35	39.14	.0483
#1	54.68	72.37	578.7	733.5	1.867	1.683	730.9
#2	54.62	72.43	579.6	737.3	4.340	2.971	731.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	737.5	2.275	2.412	3.969	2.662	11.50	
SDev	3.9	.771	1.192	2.695	1.276	.14	
%RSD	.5253	33.88	49.40	67.90	47.95	1.251	
#1	734.7	1.730	1.570	2.063	1.759	11.39	

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#2	740.2	2.820	3.255	5.874	3.565	11.60
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						5000.
Low						-4.900

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1246	--	--	--	--	--	--
SDev	4.393263	--	--	--	--	--	--
%RSD	.3526563	--	--	--	--	--	--
#1	1249	--	--	--	--	--	--
#2	1243	--	--	--	--	--	--

Method: SW846 Sample Name: 88504-3X Operator:
Run Time: 10/17/93 07:08:30
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14240.	12.03	206.7	1.156	3.826	6811.	79.64
SDev	5.	.74	.3	.000	.070	13.	.33
%RSD	.0372	6.147	.1297	.0076	1.828	.1859	.4118
#1	14240.	11.51	206.5	1.156	3.777	6802.	79.87
#2	14250.	12.56	206.9	1.156	3.875	6820.	79.41
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	10000.	20000.	2000.	5000.	250000.	10000.
Low	-199.0	-9.900	-10.00	-4.900	-4.900	-400.0	-9.900

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	X_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.53	219.0	54150.	4863.	889.1	60.44	2086.
SDev	.38	.4	705.	24.	1.6	.14	8.
%RSD	2.457	.1894	1.302	.5011	.1820	.2278	.3714
#1	15.26	219.3	53650.	4846.	890.2	60.53	2091.
#2	15.80	218.7	54650.	4880.	887.9	60.34	2080.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	25000.	200000.	250000.	10000.	5000.	100000.
Low	-9.900	-9.900	-99.00	-400.0	-9.900	-9.900	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.148	247.2	-.9131	74.69	639.9	3.277	1394.
SDev	.371	125.1	1.9596	.08	2.5	.429	2.
%RSD	32.32	50.63	214.6	.1058	.3871	13.08	.1385
#1	.8855	335.7	-2.299	74.63	641.6	2.974	1392.
#2	1.410	158.7	.4726	74.74	638.1	3.580	1395.

304552

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	250000.	10000.	5000.	5000.	5000.	5000.
Low	-4.500	-1000.	-9.900	-9.900	-9.900	-2.900	-4.900
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	34.66	27.17	546.7	548.2	3.328	2.458	543.5
SDev	.02	.05	4.0	2.9	3.330	2.212	6.4
%RSD	.0629	.1773	.7377	.5268	100.1	90.02	1.174
#1	34.65	27.13	543.9	550.2	.9731	.8934	548.0
#2	34.68	27.20	549.6	546.1	5.682	4.022	539.0

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10000.	2000.	100000.	20000.	10000.	2000.	
Low	-2.900	-2.900	-10.00	-2.900	-4.900	-15.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	550.5	3.756	-.1623	1.092	4.434	10.12	
SDev	1.1	4.248	1.8657	1.744	4.122	.91	
%RSD	.2073	113.1	1150.	159.7	92.97	9.010	
#1	551.3	.7517	1.157	-.1409	1.519	9.476	
#2	549.7	6.760	-1.482	2.325	7.348	10.77	

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

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1186	--	--	--	--	--	--
SDev	3.506531	--	--	--	--	--	--
%RSD	.2957174	--	--	--	--	--	--
#1	1183	--	--	--	--	--	--
#2	1188	--	--	--	--	--	--

Method: SW846 Sample Name: 88548-7026 Operator:
Run Time: 10/17/98 07:13:53
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.054	-1.075	-.6364	-.0135	-.1606	281.1	1.779
SDev	1.901	.797	.0481	.0052	.0162	1.5	.805
%RSD	180.3	74.15	7.551	38.22	10.09	.5303	45.24
#1	-2.398	-.5113	-.6024	-.0099	-.1720	282.2	2.348
#2	.2898	-1.638	-.6704	-.0172	-.1491	280.1	1.210

304553

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.5303	.4613	2.213	-1.216	2.955	.5998	328.2
SDev	.2187	.1977	1.517	1.195	.084	.6126	2.3
%RSD	41.24	42.86	68.55	98.27	2.836	102.1	.7118
#1	-.3756	.3215	3.286	-.3711	3.015	1.033	326.6
#2	-.6849	.6012	1.140	-2.061	2.896	.1667	329.9

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.1620	-30.09	-4.899	.2360	17.41	-.5302	3.033
SDev	.0083	310.46	1.470	.0593	.05	.4896	.381
%RSD	5.127	1032.	30.01	25.14	.2893	92.33	12.56
#1	.1561	-249.6	-3.859	.2780	17.45	-.1840	3.302
#2	.1678	189.4	-5.938	.1941	17.38	-.8764	2.764

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	-.0310	3.313	-.9439	-.9218	2.060	1.812	-1.960
SDev	.0215	.622	.6506	1.3597	2.826	.272	1.820
%RSD	69.20	18.78	68.93	147.5	137.2	15.03	92.88
#1	-.0158	3.753	-.4839	-1.883	4.058	2.005	-3.247
#2	-.0462	2.873	-1.404	.0396	.0612	1.620	-.6727

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	-.4152	2.123	1.169	-1.665	3.909	8.459
SDev	1.1297	1.470	3.762	.568	3.954	.779
%RSD	272.1	69.22	321.9	34.11	101.2	9.209
#1	-1.214	1.084	3.829	-1.263	6.705	7.909
#2	.3836	3.162	-1.491	-2.066	1.113	9.010

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1152	--	--	--	--	--	--
SDev	3.909631	--	--	--	--	--	--
%RSD	.3393865	--	--	--	--	--	--
#1	1149	--	--	--	--	--	--
#2	1155	--	--	--	--	--	--

Method: SW846 Sample Name: ICSA2 Operator:
Run Time: 10/17/98 07:19:16
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

304554

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Avge	487500.	-.8640	3.635	-.0571	-1.424	465100.	.4740
SDev	103.	2.3725	.014	.0164	.049	656.	.2536
%RSD	.0211	274.6	.3809	28.66	3.434	.1411	53.49
#1	487400.	.8136	3.645	-.0455	-1.459	464600.	.6533
#2	487600.	-2.542	3.626	-.0687	-1.390	465500.	.2947
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	10.00	20.00	5.000	3.500	600000.	5.000
Low	400000.	-10.00	-10.00	-5.000	-3.500	400000.	-5.000
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1140	-2.380	190500.	515100.	.8840	1.952	257.5
SDev	.2290	.107	207.	716.	.0301	.120	4.5
%RSD	200.9	4.505	.1085	.1391	3.404	6.170	1.743
#1	.0479	-2.304	190600.	514600.	.8628	1.867	254.4
#2	-.2760	-2.456	190300.	515600.	.9053	2.037	260.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	20.00	240000.	600000.	10.00	10.00	500.0
Low	-5.000	-10.00	160000.	400000.	-5.000	-5.000	-500.0
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.4532	-38.11	-.2840	2.219	-1.055	-.9104	3.751
SDev	.0394	199.31	1.3311	.186	.024	.0660	.045
%RSD	8.703	523.0	468.7	8.403	2.233	7.249	1.194
#1	.4253	-179.0	.6573	2.351	-1.071	-.8637	3.783
#2	.4811	102.8	-1.225	2.087	-1.038	-.9571	3.719
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	1000.	10.00	10.00	10.00	10.00	15.00
Low	-10.00	-2000.	-10.00	-5.000	-10.00	-5.000	-15.00
Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	.5675	-.5104	-.4277	-2.072	-5.278	-5.904	28.41
SDev	.0491	.6323	.2324	1.766	5.380	1.570	2.68
%RSD	8.655	123.9	54.33	85.23	101.9	26.59	9.438
#1	.6022	-.0633	-.5921	-3.321	-1.473	-7.013	26.51
#2	.5328	-.9575	-.2634	-.8235	-9.082	-4.794	30.31
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	10.00	10.00	5.000	10.00	10.00	
Low	-5.000	-5.000	-5.000	-5.000	-10.00	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	-17.31	-8.448	-.8290	3.381	-9.612	-.4219	
SDev	1.31	4.076	3.4512	2.353	6.892	.1129	
%RSD	7.566	48.25	416.3	69.62	71.70	26.77	
#1	-18.23	-11.33	1.611	5.045	-4.739	-.5017	

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#2	-16.38	-5.566	-3.269	1.716	-14.48	-.3420
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						15.00
Low						-15.00

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1108	--	--	--	--	--	--
SDev	.5844507	--	--	--	--	--	--
%RSD	.0527546	--	--	--	--	--	--
#1	1108	--	--	--	--	--	--
#2	1107	--	--	--	--	--	--

Method: SW846 Sample Name: ICSAB2 Operator:
Run Time: 10/17/98 07:24:39
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	481800.	101.4	105.1	97.85	94.79	460900.	97.50
SDev	804.	.5	.3	.44	.65	1502.	.62
%RSD	.1670	.4609	.2458	.4490	.6845	.3259	.6337
#1	481200.	101.1	104.9	97.54	94.33	459800.	97.06
#2	482400.	101.7	105.3	98.16	95.24	461900.	97.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	600000.	120.0	120.0	120.0	120.0	600000.	120.0
Low	400000.	80.00	80.00	80.00	80.00	400000.	80.00

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	95.74	96.07	186400.	510100.	98.38	95.29	10250.
SDev	.55	.87	156.	1896.	.47	.25	32.
%RSD	.5753	.9030	.0836	.3717	.4791	.2643	.3143
#1	95.35	95.46	186300.	508800.	98.04	95.47	10230.
#2	96.13	96.69	186600.	511400.	98.71	95.11	10270.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	120.0	120.0	240000.	600000.	120.0	120.0	12000.
Low	80.00	80.00	160000.	400000.	80.00	80.00	8000.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	100.5	11120.	96.82	102.1	100.1	100.7	L2.421
SDev	.3	94.	1.58	.4	.5	.1	2.688
%RSD	.3161	.8486	1.635	.4385	.5183	.1037	111.0
#1	100.3	11190.	95.70	101.8	99.69	100.8	L.5208
#2	100.8	11060.	97.94	102.4	100.4	100.6	L4.321

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	120.0	12000.	120.0	120.0	120.0	120.0	120.0
Low	80.00	8000.	80.00	80.00	80.00	80.00	80.00

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	104.2	101.3	98.43	95.34	91.61	95.17	125.1
SDev	.1	2.0	.96	2.45	.15	2.27	.5
%RSD	.1027	1.967	.9706	2.565	.1675	2.388	.3914
#1	104.1	102.7	97.75	93.61	91.72	96.78	124.7
#2	104.3	99.93	99.10	97.07	91.50	93.56	125.4

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	120.0	120.0	120.0	120.0	120.0	120.0	
Low	80.00	80.00	80.00	80.00	80.00	80.00	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	80.48	96.30	92.87	95.27	89.77	100.8
SDev	3.42	2.66	1.50	6.17	2.85	1.1
%RSD	4.251	2.762	1.610	6.478	3.176	1.057
#1	78.06	98.18	93.93	99.64	87.76	100.0
#2	82.90	94.42	91.82	90.91	91.79	101.5

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						120.0
Low						80.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts*	*NOTUSED*	*NOTUSED*	*NOTUSED*	*NOTUSED*	*NOTUSED*	*NOTUSED*
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1121	--	--	--	--	--	--
SDev	2.559378	--	--	--	--	--	--
%RSD	.2283633	--	--	--	--	--	--
#1	1123	--	--	--	--	--	--
#2	1119	--	--	--	--	--	--

Method: SW846 Sample Name: CCV4 Operator:
Run Time: 10/17/98 07:30:03
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	238300.	4796.	9691.	950.1	2450.	123700.	5048.
SDev	54.	11.	12.	.5	3.	65.	.
%RSD	.0227	.2393	.1189	.0525	.1160	.0527	.0039
#1	238200.	4804.	9683.	950.5	2452.	123700.	5048.
#2	238300.	4788.	9699.	949.8	2448.	123700.	5048.

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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	263600.	5272.	10540.	1054.	2636.	131800.	5272.
Low	236400.	4728.	9455.	946.0	2364.	118200.	4728.

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2447.	12040.	95600.	123300.	4957.	2432.	L45530.
SDev	.	26.	483.	177.	4.	2.	103.
%RSD	.0169	.2200	.5054	.1433	.0733	.0757	.2259
#1	2446.	12050.	95260.	123200.	4959.	2431.	L45610.
#2	2447.	12020.	95940.	123500.	4954.	2433.	L45460.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	2636.	13180.	105400.	131800.	5272.	2636.	52720.
Low	2364.	11820.	94550.	118200.	4728.	2364.	47280.

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1194.	L114200.	4819.	2465.	2435.	2506.	2478.
SDev	.	309.	13.	4.	4.	2.	10.
%RSD	.0399	.2707	.2642	.1637	.1745	.0935	.3960
#1	1194.	L114000.	4828.	2468.	2438.	2508.	2471.
#2	1195.	L114400.	4810.	2462.	2432.	2505.	2485.

Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1318.	131800.	5272.	2636.	2636.	2636.	2636.
Low	1182.	118200.	4728.	2364.	2364.	2364.	2364.

Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	4848.	1015.	9788.	9808.	L4608.	972.3	9842.
SDev	2.	1.	12.	8.	24.	.4	27.
%RSD	.0465	.0963	.1241	.0816	.5291	.0449	.2755
#1	4847.	1014.	9779.	9814.	L4626.	972.0	9861.
#2	4850.	1016.	9796.	9802.	L4591.	972.6	9822.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	NOCHECK
High	5272.	1054.	10540.	10540.	5272.	1054.	
Low	4728.	946.0	9455.	9455.	4728.	946.0	

Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496
Units						ppb
Avge	9791.	971.0	975.0	4642.	4592.	949.8
SDev	2.	2.8	4.3	30.	22.	2.0
%RSD	.0157	.2895	.4431	.6486	.4687	.2083
#1	9790.	969.0	978.0	4663.	4607.	951.2
#2	9792.	973.0	971.9	4621.	4576.	948.4

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High						1054.
Low						946.0

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IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1156	--	--	--	--	--	--
SDev	5.723318	--	--	--	--	--	--
%RSD	.4951505	--	--	--	--	--	--
#1	1152	--	--	--	--	--	--
#2	1160	--	--	--	--	--	--

Method: SW846 Sample Name: CCB4 Operator:
Run Time: 10/17/98 07:35:27
Comment: 7050T2/51T3
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-18.18	-1.090	-.3852	.0416	-.1120	5.729	-.2415
SDev	2.72	.911	.0141	.0066	.0017	.018	.2020
%RSD	14.99	83.59	3.666	15.85	1.527	.3219	83.68
#1	-16.25	-1.734	-.3752	.0369	-.1108	5.742	-.3843
#2	-20.11	-.4456	-.3951	.0462	-.1132	5.716	-.0986
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	199.0	4.000	5.000	1.000	1.500	400.0	5.000
Low	-199.0	-4.000	-5.000	-1.000	-1.500	-400.0	-5.000

Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.2888	-.0092	-10.69	11.54	-.2196	.0067	219.7
SDev	.0546	.2533	7.82	4.30	.0004	.7279	.5
%RSD	18.89	2745.	73.13	37.30	.1935	10820.	.2352
#1	-.3273	.1699	-5.163	14.58	-.2199	-.5080	219.3
#2	-.2502	-.1884	-16.22	8.495	-.2193	.5214	220.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	50.00	200.0	5.000	5.000	1000.
Low	-5.000	-5.000	-50.00	-200.0	-5.000	-5.000	-400.0

Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.1448	-486.2	-1.218	.0931	.1610	1.175	2.005
SDev	.4059	233.4	2.631	.1887	.0127	.600	1.263
%RSD	280.3	48.00	216.0	202.8	7.866	51.04	63.00
#1	.1422	-321.2	.6422	-.0404	.1521	1.599	1.112
#2	-.4318	-651.2	-3.078	.2265	.1700	.7511	2.899
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	1000.	9.900	5.000	15.00	10.00	20.00
Low	-5.000	-1000.	-9.900	-5.000	-9.900	-10.00	-20.00

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Elem	Sr4215	Sn1899	Ti3349	Pb2203	Se1960	Sb2068	2203/1

Units	ppb	ppb	ppb	ppb	ppb	ppb	
Avge	-.2753	.3152	-.2413	.3997	.4005	-.9963	-2.174
SDev	.0300	.4530	.5423	.0910	.2722	3.5166	3.505
%RSD	10.90	143.7	224.8	22.77	67.96	353.0	161.2
#1	-.2541	.6355	.1422	.3354	.5929	-3.483	.3046
#2	-.2966	-.0051	-.6247	.4640	.2080	1.490	-4.652
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	5.000	5.000	5.000	3.000	5.000	10.00	
Low	-3.000	-3.000	-5.000	-3.000	-5.000	-10.00	
Elem	2203/2	2068/1	2068/2	1960/1	1960/2	B_2496	
Units						ppb	
Avge	1.673	-1.077	-.8534	-3.417	2.297	.7104	
SDev	1.886	5.670	.7959	.944	.879	.1508	
%RSD	112.7	526.3	93.26	27.63	38.29	21.22	
#1	.3397	-5.086	-.2906	-4.085	2.918	.8170	
#2	3.007	2.932	-1.416	-2.749	1.675	.6038	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	
High						15.00	
Low						-9.900	
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	1226	--	--	--	--	--	--
SDev	1.269633	--	--	--	--	--	--
%RSD	.1036000	--	--	--	--	--	--
#1	1226	--	--	--	--	--	--
#2	1225	--	--	--	--	--	--

Method: SW846 Standard: STD1-Blank

Elem	Al3082	As1890	Ba4394	Be3130	Cd2265	Ca3179	Cr2677
Avge	.2668	-.0030	.0087	-.0302	.0329	.2037	.0189
SDev	.0040	.0066	.0003	.0000	.0190	.0029	.0033
%RSD	1.482	222.1	3.543	.0942	57.56	1.421	17.57
#1	.2640	-.0077	.0089	-.0302	.0463	.2058	.0213
#2	.2696	.0017	.0085	-.0301	.0195	.2017	.0166
Elem	Co2286	Cu3247	Fe2714	Mg2790	Mn2576	Ni2316	K_7664
Avge	-.0013	.0718	-.0072	.0370	.0047	.0125	4.049
SDev	.0102	.0007	.0102	.0030	.0006	.0255	.007
%RSD	798.5	.9310	141.4	8.034	12.76	203.8	.1684
#1	-.0085	.0723	-.0145	.0349	.0043	-.0055	4.053
#2	.0059	.0713	.0000	.0391	.0051	.0306	4.044
Elem	Ag3280	Na3302	Tl1908	V_2924	Zn2138	Mo2020	P_1782
Avge	-.1213	.0077	-.0106	.0056	.0533	-.0026	.2112

CK
10/17/98

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File : 7026HG1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1		3		1.0	10/13/98	07:28:34	
2	STD2		3		1.0	10/13/98	07:31:33	
3	STD3		3		1.0	10/13/98	07:34:32	
4	STD4		3		1.0	10/13/98	07:37:31	
5	STD5		3		1.0	10/13/98	07:40:30	
6	STD6		3		1.0	10/13/98	07:43:29	
7	AICV/ACCV1		0		1.0	10/13/98	07:46:28	
8	ICB/CCB1		0		1.0	10/13/98	07:49:24	
9	PBS101298		0		1.0	10/13/98	07:52:18	
10	BSS101298		0		1.0	10/13/98	07:55:11	
11	LCSS-238		0		2.0	10/13/98	07:58:04	
12	LCSS-238-D		0		2.0	10/13/98	08:00:57	
13	88244		0		1.0	10/13/98	08:03:50	
14	88244D		0		1.0	10/13/98	08:06:43	
15	88244MS		0		1.0	10/13/98	08:09:36	
16	88244MSD		0		1.0	10/13/98	08:12:29	
17	89253		0		1.0	10/13/98	08:15:22	
18	89254		0		1.0	10/13/98	08:18:15	
19	ACCV2		0		1.0	10/13/98	08:21:10	
20	CCB2		0		1.0	10/13/98	08:24:05	
21	89255		0		1.0	10/13/98	08:26:58	
22	88243		0		1.0	10/13/98	08:29:50	
23	88245		0		1.0	10/13/98	08:32:43	
24	88246		0		1.0	10/13/98	08:35:36	
25	88248		0		1.0	10/13/98	08:38:29	
26	88548		0		1.0	10/13/98	08:41:22	
27	88562		0		1.0	10/13/98	08:44:16	
28	88563		0		1.0	10/13/98	08:47:09	
29	88564		0		1.0	10/13/98	08:50:02	
30	88565		0		1.0	10/13/98	08:52:55	
31	ACCV3		0		1.0	10/13/98	08:55:49	
32	CCB3		0		1.0	10/13/98	08:58:45	
33	88566		0		1.0	10/13/98	09:01:40	
34	88567		0		1.0	10/13/98	09:04:33	
35	89213		0		1.0	10/13/98	09:07:26	
36	89214		0		1.0	10/13/98	09:10:20	
37	89215		0		1.0	10/13/98	09:13:14	
38	89216		0		1.0	10/13/98	09:16:08	
39	89217		0		1.0	10/13/98	09:19:02	
40	ACCV4		0		1.0	10/13/98	09:21:57	
41	CCB4		0		1.0	10/13/98	09:24:53	
42	PBS101298/7018		0		1.0	10/13/98	09:28:17	
43	BSS101298/7018		0		1.0	10/13/98	09:31:10	
44	LCSS-238/7018		0		2.0	10/13/98	09:34:03	
45	LCSS-238-D/7018		0		2.0	10/13/98	09:36:56	
46	86782		0		1.0	10/13/98	09:39:49	
47	86782D		0		1.0	10/13/98	09:42:42	
48	86782MS		0		1.0	10/13/98	09:45:35	
49	86782MSD		0		1.0	10/13/98	09:48:28	
50	86776		0		1.0	10/13/98	09:51:21	
51	86777		0		1.0	10/13/98	09:54:15	
52	ACCV5		0		1.0	10/13/98	09:57:10	
53	CCB5		0		1.0	10/13/98	10:00:05	
54	86778		0		1.0	10/13/98	10:02:58	
55	86779		0		1.0	10/13/98	10:05:50	

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56	86780	0	1.0	10/13/98	10:08:43
57	86781	0	1.0	10/13/98	10:11:36
58	86783	0	1.0	10/13/98	10:14:30
59	87370	0	1.0	10/13/98	10:17:23
60	87371	0	1.0	10/13/98	10:20:16
61	87372	0	1.0	10/13/98	10:23:11
62	87373	0	1.0	10/13/98	10:26:04
63	87374	0	1.0	10/13/98	10:28:57
64	ACCV6	0	1.0	10/13/98	10:31:52
65	CCB6	0	1.0	10/13/98	10:34:47
66	87375	0	1.0	10/13/98	10:37:41
67	87376	0	1.0	10/13/98	10:40:34
68	87377	0	1.0	10/13/98	10:43:27
69	87369	0	1.0	10/13/98	10:46:21
70	87857	0	1.0	10/13/98	10:49:15
71	87858	0	1.0	10/13/98	10:52:09
72	87229	0	1.0	10/13/98	10:55:03
73	ACCV7	0	1.0	10/13/98	10:57:58
74	CCB7	0	1.0	10/13/98	11:00:53
75	PBS101298/7020	0	1.0	10/13/98	11:03:47
76	BSS101298/7020	0	1.0	10/13/98	11:06:40
77	LCSS-238/7020	0	2.0	10/13/98	11:09:33
78	LCSS-238-D/7020	0	2.0	10/13/98	11:12:26
79	87641	0	1.0	10/13/98	11:15:19
80	87641D	0	1.0	10/13/98	11:18:12
81	87641MS	0	1.0	10/13/98	11:21:05
82	87641MSD	0	1.0	10/13/98	11:23:58
83	87111	0	1.0	10/13/98	11:26:51
84	87112	0	1.0	10/13/98	11:29:45
85	ACCV8	0	1.0	10/13/98	11:32:40
86	CCB8	0	1.0	10/13/98	11:35:35
87	87119	0	1.0	10/13/98	11:38:28
88	87120	0	1.0	10/13/98	11:41:20
89	87121	0	1.0	10/13/98	11:44:13
90	87123	0	1.0	10/13/98	11:47:06
91	87619	0	1.0	10/13/98	11:49:59
92	87620	0	1.0	10/13/98	11:52:52
93	87622	0	1.0	10/13/98	11:55:45
94	87625	0	1.0	10/13/98	11:58:38
95	87630	0	1.0	10/13/98	12:01:32
96	87633	0	1.0	10/13/98	12:04:25
97	ACCV9	0	1.0	10/13/98	12:07:19
98	CCB9	0	1.0	10/13/98	12:10:14
99	87634	0	1.0	10/13/98	12:13:08
100	87635	0	1.0	10/13/98	12:16:01
101	87636	0	1.0	10/13/98	12:18:54
102	87637	0	1.0	10/13/98	12:21:49
103	87638	0	1.0	10/13/98	12:24:43
104	87639	0	1.0	10/13/98	12:27:37
105	86399	0	1.0	10/13/98	12:30:31
106	87636	0	5.0	10/13/98	12:33:27
107	87637	0	1.0	10/13/98	12:36:21
108	ACCV10	0	1.0	10/13/98	12:39:16
109	CCB10	0	1.0	10/13/98	12:42:11

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12:42:51 13 Oct 1998 Folder: 7026HG1/7019HG1/7020HG1 Page 1
Protocol: SW846 10/13/98

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

*** Standard: 1 Rep: 1 Seq: 3 07:28:34 13 Oct 1998 HG

Hg .000 ppb -1108
Ave. Int. = -1108 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 4 07:31:33 13 Oct 1998 HG

Hg .100 ppb 4229
Ave. Int. = 4229 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 5 07:34:32 13 Oct 1998 HG

Hg 1.00 ppb 50022
Ave. Int. = 50022 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 6 07:37:31 13 Oct 1998 HG

Hg 2.00 ppb 99987
Ave. Int. = 99987 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 7 07:40:30 13 Oct 1998 HG

Hg 5.00 ppb 249495
Ave. Int. = 249495 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 8 07:43:29 13 Oct 1998 HG

Hg 10.0 ppb 492171
Ave. Int. = 492171 S. D. = 0

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Protocol: SW846

Rev: 3.001 Time: 07:43:35 13 Oct 1998

Folder: 7026HG1 Seq: 9 Print: On

User: Batch: Id: Std6Rep1 Cup: Gas: 0.30 LPM

State: Idle Macro SW846 35: F3 Print Xmit: Off Autosampler: On

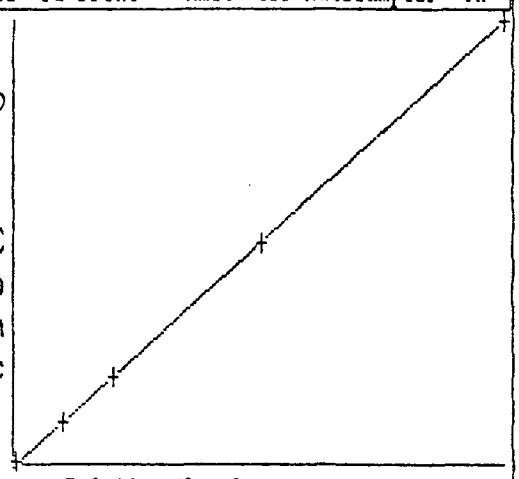
CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted	
				Linear	MP
S1	.000	-.028	-.028	Quadratic	
S2	.100	.080	-.020	WtdLinear	
S3	1.00	1.01	.008		C
S4	2.00	2.02	.021	Accept	o
S5	5.00	5.05	.051		n
S6	10.0	9.97	-.031	StdAdd	c

A .0000000 r .999965

B 2.02688e-5 C -5.95481e-3



Relative Absorbance

	Mean	%RSD	
S1	-1108	0	-1108
S2	4229	0	4229
S3	50022	0	50022
S4	99987	0	99987
S5	249495	0	249495
S6	492171	0	492171

New calibration coefficients stored

304564

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

*** Check Standard: 3 Ck3ICV/CCV Seq: 9 07:46:28 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.8	4.99	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 10 07:49:24 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.029	.100	ppb	.000

*** Sample ID: PBS101298 Seq: 11 07:52:18 13 Oct 1998 HG

Hg -.009 ppb .000 -.009

*** Sample ID: BSS101298 Seq: 12 07:55:11 13 Oct 1998 HG

Hg 1.05 ppb .000 1.05

*** Sample ID: LCSS-238 Seq: 13 07:58:04 13 Oct 1998 HG

2X
Hg 3.18 ppb .000 3.18

*** Sample ID: LCSS-238-D Seq: 14 08:00:57 13 Oct 1998 HG

2X
Hg 3.14 ppb .000 3.14

*** Sample ID: 88244 Seq: 15 08:03:50 13 Oct 1998 HG

Hg .132 ppb .000 .132

*** Sample ID: 88244D Seq: 16 08:06:43 13 Oct 1998 HG

Hg .166 ppb .000 .166

*** Sample ID: 88244MS Seq: 17 08:09:36 13 Oct 1998 HG

Hg 1.19 ppb .000 1.19

*** Sample ID: 88244MSD Seq: 18 08:12:29 13 Oct 1998 HG

Hg 1.15 ppb .000 1.15

*** Sample ID: 89253 Seq: 19 08:15:22 13 Oct 1998 HG

Hg 3.61 ppb .000 3.61

*** Sample ID: 89254 Seq: 20 08:18:15 13 Oct 1998 HG

Hg 4.65 ppb .000 4.65

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

*** Check Standard: 2 Ck2 CCV Seq: 21 08:21:10 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		98.3	4.91	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 22 08:24:05 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.018	.100	ppb	.000

*** Sample ID: 89255 Seq: 23 08:26:58 13 Oct 1998 HG

Hg 3.12 ppb .000 3.12

*** Sample ID: 88243 Seq: 24 08:29:50 13 Oct 1998 HG

Hg .040 ppb .000 .040

*** Sample ID: 88245 Seq: 25 08:32:43 13 Oct 1998 HG

Hg .141 ppb .000 .141

*** Sample ID: 88246 Seq: 26 08:35:36 13 Oct 1998 HG

Hg .089 ppb .000 .089

*** Sample ID: 88248 Seq: 27 08:38:29 13 Oct 1998 HG

Hg .035 ppb .000 .035

*** Sample ID: 88548 Seq: 28 08:41:22 13 Oct 1998 HG

Hg -.002 ppb .000 -.002

*** Sample ID: 88562 Seq: 29 08:44:16 13 Oct 1998 HG

Hg 3.48 ppb .000 3.48

*** Sample ID: 88563 Seq: 30 08:47:09 13 Oct 1998 HG

Hg .526 ppb .000 .526

*** Sample ID: 88564 Seq: 31 08:50:02 13 Oct 1998 HG

Hg 2.14 ppb .000 2.14

*** Sample ID: 88565 Seq: 32 08:52:55 13 Oct 1998 HG

Hg 1.87 ppb .000 1.87

304566

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

*** Check Standard: 2 Ck2 CCV Seq: 33 08:55:49 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.9	4.84	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 34 08:58:45 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.023	.100	ppb	.000

*** Sample ID: 88566 Seq: 35 09:01:40 13 Oct 1998 HG

Hg .253 ppb .000 .253

*** Sample ID: 88567 Seq: 36 09:04:33 13 Oct 1998 HG

Hg .481 ppb .000 .481

*** Sample ID: 89213 Seq: 37 09:07:26 13 Oct 1998 HG

Hg .440 ppb .000 .440

*** Sample ID: 89214 Seq: 38 09:10:20 13 Oct 1998 HG

Hg .369 ppb .000 .369

*** Sample ID: 89215 Seq: 39 09:13:14 13 Oct 1998 HG

Hg 1.12 ppb .000 1.12

*** Sample ID: 89216 Seq: 40 09:16:08 13 Oct 1998 HG

Hg .661 ppb .000 .661

*** Sample ID: 89217 Seq: 41 09:19:02 13 Oct 1998 HG

Hg 1.40 ppb .000 1.40

*** Check Standard: 2 Ck2 CCV Seq: 42 09:21:57 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.1	4.85	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 43 09:24:53 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.022	.100	ppb	.000

*** Sample ID: PBS101298 /704 Seq: 44 09:28:17 13 Oct 1998 HG

Hg -.011 ppb .000 -.011

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

*** Sample ID: BSS101298              Seq:  45     09:31:10 13 Oct 1998 HG

Hg    1.00    ppb       .000      1.00

*** Sample ID: LCSS-238               Seq:  46     09:34:03 13 Oct 1998 HG
                            2X
Hg    3.16    ppb       .000      3.16

*** Sample ID: LCSS-238-D             Seq:  47     09:36:56 13 Oct 1998 HG
                            2X
Hg    3.14    ppb       .000      3.14

*** Sample ID: 86782                  Seq:  48     09:39:49 13 Oct 1998 HG

Hg    .079    ppb       .000      .079

*** Sample ID: 86782D                 Seq:  49     09:42:42 13 Oct 1998 HG

Hg    .065    ppb       .000      .065

*** Sample ID: 86782MS                Seq:  50     09:45:35 13 Oct 1998 HG

Hg    1.09    ppb       .000      1.09

*** Sample ID: 86782MSD               Seq:  51     09:48:28 13 Oct 1998 HG

Hg    1.09    ppb       .000      1.09

*** Sample ID: 86776                  Seq:  52     09:51:21 13 Oct 1998 HG

Hg    .068    ppb       .000      .068

*** Sample ID: 86777                  Seq:  53     09:54:15 13 Oct 1998 HG

Hg    .545    ppb       .000      .545

*** Check Standard: 2  Ck2 CCV        Seq:  54     09:57:10 13 Oct 1998 HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.3    4.81    5.00  ppb         .000

*** Check Standard: 1  Ck1 CCB        Seq:  55     10:00:05 13 Oct 1998 HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.022     .100    ppb        .000

*** Sample ID: 86778                  Seq:  56     10:02:58 13 Oct 1998 HG

Hg    .211    ppb       .000      .211
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Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 86779 Seq: 57 10:05:50 13 Oct 1998 HG

Hg .082 ppb .000 .082

*** Sample ID: 86780 Seq: 58 10:08:43 13 Oct 1998 HG

Hg .125 ppb .000 .125

*** Sample ID: 86781 Seq: 59 10:11:36 13 Oct 1998 HG

Hg .060 ppb .000 .060

*** Sample ID: 86783 Seq: 60 10:14:30 13 Oct 1998 HG

Hg -.018 ppb .000 -.018

*** Sample ID: 87370 Seq: 61 10:17:23 13 Oct 1998 HG

Hg 1.79 ppb .000 1.79

*** Sample ID: 87371 Seq: 62 10:20:16 13 Oct 1998 HG

Hg 2.16 ppb .000 2.16

*** Sample ID: 87372 Seq: 63 10:23:11 13 Oct 1998 HG

Hg -.013 ppb .000 -.013

*** Sample ID: 87373 Seq: 64 10:26:04 13 Oct 1998 HG

Hg .154 ppb .000 .154

*** Sample ID: 87374 Seq: 65 10:28:57 13 Oct 1998 HG

Hg 1.92 ppb .000 1.92

*** Check Standard: 2 Ck2 CCV Seq: 66 10:31:52 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		95.4	4.77	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 67 10:34:47 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.028	.100	ppb	.000

*** Sample ID: 87375 Seq: 68 10:37:41 13 Oct 1998 HG

Hg .100 ppb .000 .100

304569

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

*** Sample ID: 87376 Seq: 69 10:40:34 13 Oct 1998 HG

Hg 2.08 ppb .000 2.08

*** Sample ID: 87377 Seq: 70 10:43:27 13 Oct 1998 HG

Hg 3.35 ppb .000 3.35

*** Sample ID: 87369 Seq: 71 10:46:21 13 Oct 1998 HG

Hg -.008 ppb .000 -.008

*** Sample ID: 87857 Seq: 72 10:49:15 13 Oct 1998 HG

Hg .838 ppb .000 .838

*** Sample ID: 87858 Seq: 73 10:52:09 13 Oct 1998 HG

Hg .228 ppb .000 .228

*** Sample ID: 87229 Seq: 74 10:55:03 13 Oct 1998 HG

Hg .869 ppb .000 .869

*** Check Standard: 2 Ck2 CCV Seq: 75 10:57:58 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.5	4.72	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 76 11:00:53 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.017	.100	ppb	.000

*** Sample ID: PBS101298 /7020 Seq: 77 11:03:47 13 Oct 1998 HG

Hg -.011 ppb .000 -.011

*** Sample ID: BSS101298 Seq: 78 11:06:40 13 Oct 1998 HG

Hg .952 ppb .000 .952

*** Sample ID: LCSS-238 Seq: 79 11:09:33 13 Oct 1998 HG

2X

Hg 3.20 ppb .000 3.20

*** Sample ID: LCSS-238-D Seq: 80 11:12:26 13 Oct 1998 HG

2X

Hg 3.36 ppb .000 3.36

304570

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

*** Sample ID: 87641 Seq: 81 11:15:19 13 Oct 1998 HG

Hg .149 ppb .000 .149

*** Sample ID: 87641D Seq: 82 11:18:12 13 Oct 1998 HG

Hg .180 ppb .000 .180

*** Sample ID: 87641MS Seq: 83 11:21:05 13 Oct 1998 HG

Hg 1.11 ppb .000 1.11

*** Sample ID: 87641MSD Seq: 84 11:23:58 13 Oct 1998 HG

Hg 1.13 ppb .000 1.13

*** Sample ID: 87111 Seq: 85 11:26:51 13 Oct 1998 HG

Hg 1.63 ppb .000 1.63

*** Sample ID: 87112 Seq: 86 11:29:45 13 Oct 1998 HG

Hg 2.76 ppb .000 2.76

*** Check Standard: 2 Ck2 CCV Seq: 87 11:32:40 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.2	4.71	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 88 11:35:35 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.018	.100	ppb	.000

*** Sample ID: 87119 Seq: 89 11:38:28 13 Oct 1998 HG

Hg .376 ppb .000 .376

*** Sample ID: 87120 Seq: 90 11:41:20 13 Oct 1998 HG

Hg 1.80 ppb .000 1.80

*** Sample ID: 87121 Seq: 91 11:44:13 13 Oct 1998 HG

Hg .271 ppb .000 .271

*** Sample ID: 87123 Seq: 92 11:47:06 13 Oct 1998 HG

Hg .005 ppb .000 .005

304571

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

*** Sample ID: 87619 Seq: 93 11:49:59 13 Oct 1998 HG

Hg 1.51 ppb .000 1.51

*** Sample ID: 87620 Seq: 94 11:52:52 13 Oct 1998 HG

Hg 1.88 ppb .000 1.88

*** Sample ID: 87622 Seq: 95 11:55:45 13 Oct 1998 HG

Hg .126 ppb .000 .126

*** Sample ID: 87625 Seq: 96 11:58:38 13 Oct 1998 HG

Hg .524 ppb .000 .524

*** Sample ID: 87630 Seq: 97 12:01:32 13 Oct 1998 HG

Hg .112 ppb .000 .112

*** Sample ID: 87633 Seq: 98 12:04:25 13 Oct 1998 HG

Hg .161 ppb .000 .161

*** Check Standard: 2 Ck2 CCV Seq: 99 12:07:19 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		93.8	4.69	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 100 12:10:14 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.013	.100	ppb	.000

*** Sample ID: 87634 Seq: 101 12:13:08 13 Oct 1998 HG

Hg .996 ppb .000 .996

*** Sample ID: 87635 Seq: 102 12:16:01 13 Oct 1998 HG

Hg .132 ppb .000 .132

*** Sample ID: 87636 see 5x dilution Seq: 103 12:18:54 13 Oct 1998 HG

Hg 12.2 ppb .000 12.2

*** Sample ID: 87637 see RR Seq: 104 12:21:49 13 Oct 1998 HG

Hg .151 ppb .000 .151

304572

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

*** Sample ID: 87638 Seq: 105 12:24:43 13 Oct 1998 HG

Hg	.351	ppb	.000	.351

*** Sample ID: 87639 Seq: 106 12:27:37 13 Oct 1998 HG

Hg	.148	ppb	.000	.148

*** Sample ID: 86399 Seq: 107 12:30:31 13 Oct 1998 HG

Hg	.033	ppb	.000	.033

*** Sample ID: 87636-5X Seq: 108 12:33:27 13 Oct 1998 HG

Hg	2.50	ppb	.000	2.50

*** Sample ID: 87637 Seq: 109 12:36:21 13 Oct 1998 HG

Hg	.175	ppb	.000	.175

*** Check Standard: 2 Ck2 CCV Seq: 110 12:39:16 13 Oct 1998 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		94.2	4.71	5.00	ppb	.000

*** Check Standard: 1 Ck1 CCB Seq: 111 12:42:11 13 Oct 1998 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.024	.100	ppb	.000

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12:42:57 13 Oct 1998 Folder: 7026HG1/7090HG1/7090HG1 Page 1
Protocol: SW846 10/13/98

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

*** Standard: 1 Rep: 1 Seq: 3 07:28:34 13 Oct 1998 HG

Hg .000 ppb -1108
Ave. Int. = -1108 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 4 07:31:33 13 Oct 1998 HG

Hg .100 ppb 4229
Ave. Int. = 4229 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 5 07:34:32 13 Oct 1998 HG

Hg 1.00 ppb 50022
Ave. Int. = 50022 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 6 07:37:31 13 Oct 1998 HG

Hg 2.00 ppb 99987
Ave. Int. = 99987 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 7 07:40:30 13 Oct 1998 HG

Hg 5.00 ppb 249495
Ave. Int. = 249495 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 8 07:43:29 13 Oct 1998 HG

Hg 10.0 ppb 492171
Ave. Int. = 492171 S. D. = 0

*** Check Standard: 3 Ck3ICV/CCV Seq: 9 07:46:28 13 Oct 1998 HG
Line Flag Intensities
Hg 246435

*** Check Standard: 1 Ck1 CCB Seq: 10 07:49:24 13 Oct 1998 HG
Line Flag Intensities
Hg -1137

*** Sample ID: PBS101298 Seq: 11 07:52:18 13 Oct 1998 HG

Hg -.009 ppb -137

*** Sample ID: BSS101298 Seq: 12 07:55:11 13 Oct 1998 HG

Hg 1.05 ppb 52225

304574

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

*** Sample ID: LCSS-238 Seq: 13 07:58:04 13 Oct 1998 HG

			2X	
Hg	3.18	ppb	157325	

*** Sample ID: LCSS-238-D Seq: 14 08:00:57 13 Oct 1998 HG

			2X	
Hg	3.14	ppb	155000	

*** Sample ID: 88244 Seq: 15 08:03:50 13 Oct 1998 HG

Hg	.132	ppb	6826	

*** Sample ID: 88244D Seq: 16 08:06:43 13 Oct 1998 HG

Hg	.166	ppb	8498	

*** Sample ID: 88244MS Seq: 17 08:09:36 13 Oct 1998 HG

Hg	1.19	ppb	58869	

*** Sample ID: 88244MSD Seq: 18 08:12:29 13 Oct 1998 HG

Hg	1.15	ppb	57207	

*** Sample ID: 89253 Seq: 19 08:15:22 13 Oct 1998 HG

Hg	3.61	ppb	178449	

*** Sample ID: 89254 Seq: 20 08:18:15 13 Oct 1998 HG

Hg	4.65	ppb	229920	

*** Check Standard: 2 Ck2 CCV Seq: 21 08:21:10 13 Oct 1998 HG

Line	Flag	Intensities
Hg		242728

*** Check Standard: 1 Ck1 CCB Seq: 22 08:24:05 13 Oct 1998 HG

Line	Flag	Intensities
Hg		-610

*** Sample ID: 89255 Seq: 23 08:26:58 13 Oct 1998 HG

Hg	3.12	ppb	154224	

*** Sample ID: 88243 Seq: 24 08:29:50 13 Oct 1998 HG

Hg	.040	ppb	2269	

304575

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 88245				Seq: 25	08:32:43 13 Oct 1998 HG			
Hg	.141	ppb	7242					
*** Sample ID: 88246				Seq: 26	08:35:36 13 Oct 1998 HG			
Hg	.089	ppb	4667					
*** Sample ID: 88248				Seq: 27	08:38:29 13 Oct 1998 HG			
Hg	.035	ppb	2001					
*** Sample ID: 88548				Seq: 28	08:41:22 13 Oct 1998 HG			
Hg	-.002	ppb	211					
*** Sample ID: 88562				Seq: 29	08:44:16 13 Oct 1998 HG			
Hg	3.48	ppb	172030					
*** Sample ID: 88563				Seq: 30	08:47:09 13 Oct 1998 HG			
Hg	.526	ppb	26260					
*** Sample ID: 88564				Seq: 31	08:50:02 13 Oct 1998 HG			
Hg	2.14	ppb	106112					
*** Sample ID: 88565				Seq: 32	08:52:55 13 Oct 1998 HG			
Hg	1.87	ppb	92617					
*** Check Standard: 2			Ck2 CCV	Seq: 33	08:55:49 13 Oct 1998 HG			
Line	Flag		Intensities					
Hg			239246					
*** Check Standard: 1			Ck1 CCB	Seq: 34	08:58:45 13 Oct 1998 HG			
Line	Flag		Intensities					
Hg			-853					
*** Sample ID: 88566				Seq: 35	09:01:40 13 Oct 1998 HG			
Hg	.253	ppb	12798					
*** Sample ID: 88567				Seq: 36	09:04:33 13 Oct 1998 HG			
Hg	.481	ppb	24038					

304576

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

*** Sample ID: 89213 Seq: 37 09:07:26 13 Oct 1998 HG

Hg .440 ppb 21988

*** Sample ID: 89214 Seq: 38 09:10:20 13 Oct 1998 HG

Hg .369 ppb 18484

*** Sample ID: 89215 Seq: 39 09:13:14 13 Oct 1998 HG

Hg 1.12 ppb 55391

*** Sample ID: 89216 Seq: 40 09:16:08 13 Oct 1998 HG

Hg .661 ppb 32919

*** Sample ID: 89217 Seq: 41 09:19:02 13 Oct 1998 HG

Hg 1.40 ppb 69191

*** Check Standard: 2 Ck2 CCV Seq: 42 09:21:57 13 Oct 1998 HG
Line Flag Intensities
Hg 239737

*** Check Standard: 1 Ck1 CCB Seq: 43 09:24:53 13 Oct 1998 HG
Line Flag Intensities
Hg -794

*** Sample ID: PBS101298 17019 Seq: 44 09:28:17 13 Oct 1998 HG

Hg -.011 ppb -243

*** Sample ID: BSS101298 Seq: 45 09:31:10 13 Oct 1998 HG

Hg 1.00 ppb 49774

*** Sample ID: LCSS-238 Seq: 46 09:34:03 13 Oct 1998 HG
2X
Hg 3.16 ppb 155973

*** Sample ID: LCSS-238-D Seq: 47 09:36:56 13 Oct 1998 HG
2X
Hg 3.14 ppb 155070

*** Sample ID: 86782 Seq: 48 09:39:49 13 Oct 1998 HG

Hg .079 ppb 4200

304577

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

*** Sample ID: 86782D Seq: 49 09:42:42 13 Oct 1998 HG

Hg .065 ppb 3512

*** Sample ID: 86782MS Seq: 50 09:45:35 13 Oct 1998 HG

Hg 1.09 ppb 54058

*** Sample ID: 86782MSD Seq: 51 09:48:28 13 Oct 1998 HG

Hg 1.09 ppb 54198

*** Sample ID: 86776 Seq: 52 09:51:21 13 Oct 1998 HG

Hg .068 ppb 3665

*** Sample ID: 86777 Seq: 53 09:54:15 13 Oct 1998 HG

Hg .545 ppb 27204

*** Check Standard: 2 Ck2 CCV Seq: 54 09:57:10 13 Oct 1998 HG
Line Flag Intensities
Hg 237782

*** Check Standard: 1 Ck1 CCB Seq: 55 10:00:05 13 Oct 1998 HG
Line Flag Intensities
Hg -787

*** Sample ID: 86778 Seq: 56 10:02:58 13 Oct 1998 HG

Hg .211 ppb 10725

*** Sample ID: 86779 Seq: 57 10:05:50 13 Oct 1998 HG

Hg .082 ppb 4322

*** Sample ID: 86780 Seq: 58 10:08:43 13 Oct 1998 HG

Hg .125 ppb 6453

*** Sample ID: 86781 Seq: 59 10:11:36 13 Oct 1998 HG

Hg .060 ppb 3261

*** Sample ID: 86783 Seq: 60 10:14:30 13 Oct 1998 HG

Hg -.018 ppb -577

304578

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

*** Sample ID: 87370 Seq: 61 10:17:23 13 Oct 1998 HG

Hg 1.79 ppb 88792

*** Sample ID: 87371 Seq: 62 10:20:16 13 Oct 1998 HG

Hg 2.16 ppb 106971

*** Sample ID: 87372 Seq: 63 10:23:11 13 Oct 1998 HG

Hg -.013 ppb -330

*** Sample ID: 87373 Seq: 64 10:26:04 13 Oct 1998 HG

Hg .154 ppb 7878

*** Sample ID: 87374 Seq: 65 10:28:57 13 Oct 1998 HG

Hg 1.92 ppb 95198

*** Check Standard: 2 Ck2 CCV Seq: 66 10:31:52 13 Oct 1998 HG
Line Flag Intensities
Hg 235672

*** Check Standard: 1 Ck1 CCB Seq: 67 10:34:47 13 Oct 1998 HG
Line Flag Intensities
Hg -1098

*** Sample ID: 87375 Seq: 68 10:37:41 13 Oct 1998 HG

Hg .100 ppb 5228

*** Sample ID: 87376 Seq: 69 10:40:34 13 Oct 1998 HG

Hg 2.08 ppb 103082

*** Sample ID: 87377 Seq: 70 10:43:27 13 Oct 1998 HG

Hg 3.35 ppb 165605

*** Sample ID: 87369 Seq: 71 10:46:21 13 Oct 1998 HG

Hg -.008 ppb -121

*** Sample ID: 87857 Seq: 72 10:49:15 13 Oct 1998 HG

Hg .838 ppb 41661

304579

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 87858				Seq: 73	10:52:09 13 Oct 1998 HG			
Hg	.228	ppb	11523					
*** Sample ID: 87229				Seq: 74	10:55:03 13 Oct 1998 HG			
Hg	.869	ppb	43176					
*** Check Standard: 2			Ck2 CCV	Seq: 75	10:57:58 13 Oct 1998 HG			
Line	Flag		Intensities					
Hg			233388					
*** Check Standard: 1			Ck1 CCB	Seq: 76	11:00:53 13 Oct 1998 HG			
Line	Flag		Intensities					
Hg			-552					
*** Sample ID: PBS101298 /7020				Seq: 77	11:03:47 13 Oct 1998 HG			
Hg	-.011	ppb	-238					
*** Sample ID: BSS101298				Seq: 78	11:06:40 13 Oct 1998 HG			
Hg	.952	ppb	47254					
*** Sample ID: LCSS-238				Seq: 79	11:09:33 13 Oct 1998 HG			
			2X					
Hg	3.20	ppb	158353					
*** Sample ID: LCSS-238-D				Seq: 80	11:12:26 13 Oct 1998 HG			
			2X					
Hg	3.36	ppb	166006					
*** Sample ID: 87641				Seq: 81	11:15:19 13 Oct 1998 HG			
Hg	.149	ppb	7624					
*** Sample ID: 87641D				Seq: 82	11:18:12 13 Oct 1998 HG			
Hg	.180	ppb	9188					
*** Sample ID: 87641MS				Seq: 83	11:21:05 13 Oct 1998 HG			
Hg	1.11	ppb	55294					
*** Sample ID: 87641MSD				Seq: 84	11:23:58 13 Oct 1998 HG			
Hg	1.13	ppb	56092					

304580

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

*** Sample ID: 87111 Seq: 85 11:26:51 13 Oct 1998 HG

Hg 1.63 ppb 80508

*** Sample ID: 87112 Seq: 86 11:29:45 13 Oct 1998 HG

Hg 2.76 ppb 136378

*** Check Standard: 2 Ck2 CCV Seq: 87 11:32:40 13 Oct 1998 HG
Line Flag Intensities
Hg 232640

*** Check Standard: 1 Ck1 CCB Seq: 88 11:35:35 13 Oct 1998 HG
Line Flag Intensities
Hg -604

*** Sample ID: 87119 Seq: 89 11:38:28 13 Oct 1998 HG

Hg .376 ppb 18822

*** Sample ID: 87120 Seq: 90 11:41:20 13 Oct 1998 HG

Hg 1.80 ppb 88885

*** Sample ID: 87121 Seq: 91 11:44:13 13 Oct 1998 HG

Hg .271 ppb 13642

*** Sample ID: 87123 Seq: 92 11:47:06 13 Oct 1998 HG

Hg .005 ppb 538

*** Sample ID: 87619 Seq: 93 11:49:59 13 Oct 1998 HG

Hg 1.51 ppb 74855

*** Sample ID: 87620 Seq: 94 11:52:52 13 Oct 1998 HG

Hg 1.88 ppb 93008

*** Sample ID: 87622 Seq: 95 11:55:45 13 Oct 1998 HG

Hg .126 ppb 6498

*** Sample ID: 87625 Seq: 96 11:58:38 13 Oct 1998 HG

Hg .524 ppb 26158

304581

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

*** Sample ID: 87630 Seq: 97 12:01:32 13 Oct 1998 HG

Hg .112 ppb 5844

*** Sample ID: 87633 Seq: 98 12:04:25 13 Oct 1998 HG

Hg .161 ppb 8261

*** Check Standard: 2 Ck2 CCV Seq: 99 12:07:19 13 Oct 1998 HG
Line Flag Intensities
Hg 231570

*** Check Standard: 1 Ck1 CCB Seq: 100 12:10:14 13 Oct 1998 HG
Line Flag Intensities
Hg -353

*** Sample ID: 87634 Seq: 101 12:13:08 13 Oct 1998 HG

Hg .996 ppb 49416

*** Sample ID: 87635 Seq: 102 12:16:01 13 Oct 1998 HG

Hg .132 ppb 6804

*** Sample ID: 87636 See 5X dilution Seq: 103 12:18:54 13 Oct 1998 HG

Hg 12.2 ppb 600370

*** Sample ID: 87637 See RR Seq: 104 12:21:49 13 Oct 1998 HG

Hg .151 ppb 7756

*** Sample ID: 87638 Seq: 105 12:24:43 13 Oct 1998 HG

Hg .351 ppb 17601

*** Sample ID: 87639 Seq: 106 12:27:37 13 Oct 1998 HG

Hg .148 ppb 7595

*** Sample ID: 86399 Seq: 107 12:30:31 13 Oct 1998 HG

Hg .033 ppb 1923

*** Sample ID: 87636-5X Seq: 108 12:33:27 13 Oct 1998 HG

Hg 2.50 ppb 123480

304582

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

*** Sample ID: 87637 Seq: 109 12:36:21 13 Oct 1998 HG

Hg .175 ppb 8907

*** Check Standard: 2 Ck2 CCV Seq: 110 12:39:16 13 Oct 1998 HG

Line	Flag	Intensities
Hg		232764

*** Check Standard: 1 Ck1 CCB Seq: 111 12:42:11 13 Oct 1998 HG

Line	Flag	Intensities
Hg		-878

304583

PROJECT Tin Trace / Run Log

Notebook No. 01107

Continued From Page

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

BATCH: 7026T1

DATE: 10/13/98

304584

File : 7026T1.WSL

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Fla
1	STD1-BLANK		3		1.0	10/13/98	09:44:00	
2	STD2		3		1.0	10/13/98	09:50:00	
3	STD3		3		1.0	10/13/98	09:55:00	
4	STD4		3		1.0	10/13/98	10:00:00	
5	HSA		0		1.0	10/13/98	10:07:00	
6	ICV/CCV1		0		1.0	10/13/98	10:13:00	
7	ICB/CCB1		0		1.0	10/13/98	10:18:00	
8	ICSA1		0		1.0	10/13/98	10:23:00	
9	ICSAB1		0		1.0	10/13/98	10:29:00	
10	INT-20		0		1.0	10/13/98	10:34:00	
11	MCL		0		1.0	10/13/98	10:41:00	
12	BSS101298		0		1.0	10/13/98	10:47:00	
13	PBS101298		0		1.0	10/13/98	10:52:00	
14	LCSS238A		0		2.0	10/13/98	10:57:00	
15	LCSS-238AD		0		2.0	10/13/98	11:03:00	
16	88244D		0		2.0	10/13/98	11:08:00	
17	88244		0		2.0	10/13/98	11:13:00	
18	CCV2		0		1.0	10/13/98	11:19:00	
19	CCB2		0		1.0	10/13/98	11:24:00	
20	88244L		0		2.0	10/13/98	11:29:00	
21	88244MS		0		2.0	10/13/98	11:35:00	
22	88244MSD		0		2.0	10/13/98	11:40:00	
23	88244A		0		2.0	10/13/98	11:45:00	
24	89253		0		2.0	10/13/98	11:51:00	
25	89254		0		2.0	10/13/98	11:56:00	
26	89255		0		2.0	10/13/98	12:01:00	
27	88243		0		2.0	10/13/98	12:07:00	
28	88245		0		2.0	10/13/98	12:12:00	
29	88246		0		2.0	10/13/98	12:17:00	
30	CCV3		0		1.0	10/13/98	12:23:00	
31	CCB3		0		1.0	10/13/98	12:28:00	
32	88248		0		2.0	10/13/98	12:33:00	
33	88548		0		1.0	10/13/98	12:39:00	
34	88562		0		2.0	10/13/98	12:44:00	
35	88563		0		2.0	10/13/98	12:49:00	
36	88564		0		2.0	10/13/98	12:55:00	
37	88565		0		2.0	10/13/98	13:00:00	
38	88566		0		2.0	10/13/98	13:05:00	
39	88567		0		2.0	10/13/98	13:11:00	
40	89213		0		2.0	10/13/98	13:16:00	
41	89214		0		2.0	10/13/98	13:21:00	
42	CCV4		0		1.0	10/13/98	13:27:00	
43	CCB4		0		1.0	10/13/98	13:32:00	
44	89215		0		2.0	10/13/98	13:37:00	
45	89216		0		2.0	10/13/98	13:43:00	
46	89217		0		2.0	10/13/98	13:48:00	
47	89253-2		0		2.0	10/13/98	13:54:00	
48	89254-2		0		2.0	10/13/98	14:00:00	
49	89255-2		0		2.0	10/13/98	14:05:00	
50	ICSA2		0		1.0	10/13/98	14:11:00	
51	ICSAB2		0		1.0	10/13/98	14:16:00	
52	CCV5		0		1.0	10/13/98	14:21:00	
53	CCB5		0		1.0	10/13/98	14:27:00	
54	89254-2X		0		2.0	10/13/98	14:36:00	
55	ICSA3		0		1.0	10/13/98	14:42:00	
56	ICSAB3		0		1.0	10/13/98	14:47:00	

Read and Understood By

Signed	Date	Signed	Date
[signature]	10/15/98	[signature]	10/15/98

PROJECT TJA TRUCE 1 RUN LOG

Notebook No. 0010P

Continued From Page

ELEMENTS: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn, Mo, P, Si, Sr, Ti, B
BATCH: 7050T2 / 7051T3 / 7026T2
DATE: 10/17/98

304585

File : 7050T2.WSL / 7051T3 / 7026T2

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flag
1	STD1-BLANK		3		1.0	10/17/98	04:04:00	
2	STD2		3		1.0	10/17/98	04:09:00	
3	STD3		3		1.0	10/17/98	04:14:00	
4	STD4		3		1.0	10/17/98	04:20:00	
5	HSA		0		1.0	10/17/98	04:27:00	
6	ICV/CCV1		0		1.0	10/17/98	04:32:00	
7	ICB/CCB1		0		1.0	10/17/98	04:38:00	
8	ICSA1		0		1.0	10/17/98	04:43:00	
9	ICSAB1		0		1.0	10/17/98	04:48:00	
10	INT-20		0		1.0	10/17/98	04:54:00	
11	MCL		0		1.0	10/17/98	04:59:00	
12	88350		0		1.0	10/17/98	05:04:00	
13	89324		0		1.0	10/17/98	05:10:00	
14	89325		0		1.0	10/17/98	05:15:00	
15	89326		0		1.0	10/17/98	05:21:00	
16	89327		0		1.0	10/17/98	05:26:00	
17	89328		0		1.0	10/17/98	05:31:00	
18	CCV2		0		1.0	10/17/98	05:37:00	
19	CCB2		0		1.0	10/17/98	05:42:00	
20	89329		0		1.0	10/17/98	05:47:00	
21	89331		0		1.0	10/17/98	05:53:00	
22	89380		0		1.0	10/17/98	05:58:00	
23	89381		0		1.0	10/17/98	06:04:00	
24	89382		0		1.0	10/17/98	06:09:00	
25	89384		0		1.0	10/17/98	06:14:00	
26	89385		0		1.0	10/17/98	06:20:00	
27	89616		0		1.0	10/17/98	06:25:00	
28	89617		0		1.0	10/17/98	06:30:00	
29	89618		0		1.0	10/17/98	06:36:00	
30	CCV3		0		1.0	10/17/98	06:41:00	
31	CCB3		0		1.0	10/17/98	06:47:00	
32	89619		0		1.0	10/17/98	06:52:00	
33	90219		0		1.0	10/17/98	06:57:00	
34	88502 } 64 7051T3		0		3.0	10/17/98	07:03:00	
35	88504		0		3.0	10/17/98	07:08:00	
36	88548 - 7026T2		0		1.0	10/17/98	07:13:00	
37	ICSA2		0		1.0	10/17/98	07:19:00	
38	ICSAB2		0		1.0	10/17/98	07:24:00	
39	CCV4		0		1.0	10/17/98	07:30:00	
40	CCB4		0		1.0	10/17/98	07:35:00	

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Signed — Date 10/17/98 — Signed — Date 10/20/98

PROJECT Hg Runlog

Notebook No. 01124

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Batch # 7026HG1/7018HG1/7020HG1
Date: 10/13/98

File : 7026HG1.WSL /7018HG1.WSL / 7020HG1.WSL

304586

File Record	Laboratory Sample Name	Customer/EPA Sample Name	Type	Matrix	Instrument Dil.	Date	Time	Flags
1	STD1		3		1.0	10/13/98	07:28:34	
2	STD2		3		1.0	10/13/98	07:31:33	
3	STD3		3		1.0	10/13/98	07:34:32	
4	STD4		3		1.0	10/13/98	07:37:31	
5	STD5		3		1.0	10/13/98	07:40:30	
6	STD6		3		1.0	10/13/98	07:43:29	
7	AICV/ACCV1		0		1.0	10/13/98	07:46:28	
8	ICB/CCB1		0		1.0	10/13/98	07:49:24	
9	PBS101298		0		1.0	10/13/98	07:52:18	
10	BSS101298		0		1.0	10/13/98	07:55:11	
11	LCSS-238		0		2.0	10/13/98	07:58:04	
12	LCSS-238-D		0		2.0	10/13/98	08:00:57	
13	88244		0		1.0	10/13/98	08:03:50	
14	88244D		0		1.0	10/13/98	08:06:43	
15	88244MS		0		1.0	10/13/98	08:09:36	
16	88244MSD		0		1.0	10/13/98	08:12:29	
17	89253		0		1.0	10/13/98	08:15:22	
18	89254		0		1.0	10/13/98	08:18:15	
19	ACCV2		0		1.0	10/13/98	08:21:10	
20	CCB2		0		1.0	10/13/98	08:24:05	
21	89255		0		1.0	10/13/98	08:26:58	
22	88243		0		1.0	10/13/98	08:29:50	
23	88245		0		1.0	10/13/98	08:32:43	
24	88246		0		1.0	10/13/98	08:35:36	
25	88248		0		1.0	10/13/98	08:38:29	
26	88548		0		1.0	10/13/98	08:41:22	
27	88562		0		1.0	10/13/98	08:44:16	
28	88563		0		1.0	10/13/98	08:47:09	
29	88564		0		1.0	10/13/98	08:50:02	
30	88565		0		1.0	10/13/98	08:52:55	
31	ACCV3		0		1.0	10/13/98	08:55:49	
32	CCB3		0		1.0	10/13/98	08:58:45	
33	88566		0		1.0	10/13/98	09:01:40	
34	88567		0		1.0	10/13/98	09:04:33	
35	89213		0		1.0	10/13/98	09:07:26	
36	89214		0		1.0	10/13/98	09:10:20	
37	89215		0		1.0	10/13/98	09:13:14	
38	89216		0		1.0	10/13/98	09:16:08	
39	89217		0		1.0	10/13/98	09:19:02	
40	ACCV4		0		1.0	10/13/98	09:21:57	
41	CCB4		0		1.0	10/13/98	09:24:53	
42	PBS101298/7018		0		1.0	10/13/98	09:28:17	
43	BSS101298/7018		0		1.0	10/13/98	09:31:10	
44	LCSS-238/7018		0		2.0	10/13/98	09:34:03	
45	LCSS-238-D/7018		0		2.0	10/13/98	09:36:56	
46	86782		0		1.0	10/13/98	09:39:49	
47	86782D		0		1.0	10/13/98	09:42:42	
48	86782MS		0		1.0	10/13/98	09:45:35	
49	86782MSD		0		1.0	10/13/98	09:48:28	
50	86776		0		1.0	10/13/98	09:51:21	
51	86777		0		1.0	10/13/98	09:54:15	
52	ACCV5		0		1.0	10/13/98	09:57:10	
53	CCB5		0		1.0	10/13/98	10:00:05	
54	86778		0		1.0	10/13/98	10:02:58	
55	86779		0		1.0	10/13/98	10:05:50	

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Read and Understood By

Michael Polidori 10/14/98 — Signed — Date

[illegible] 10/14/98 — Signed — Date

PROJECT Hg Run Log

Notebook No. 01124

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Batch # 7026 Hg1 / 7019 Hg1 / 7020 Hg1
Date: 10/13/98

304587

56	86780	0	1.0	10/13/98	10:08:43
57	86781	0	1.0	10/13/98	10:11:36
58	86783	0	1.0	10/13/98	10:14:30
59	87370	0	1.0	10/13/98	10:17:23
60	87371	0	1.0	10/13/98	10:20:16
61	87372	0	1.0	10/13/98	10:23:11
62	87373	0	1.0	10/13/98	10:26:04
63	87374	0	1.0	10/13/98	10:28:57
64	ACCV6	0	1.0	10/13/98	10:31:52
65	CCB6	0	1.0	10/13/98	10:34:47
66	87375	0	1.0	10/13/98	10:37:41
67	87376	0	1.0	10/13/98	10:40:34
68	87377	0	1.0	10/13/98	10:43:27
69	87369	0	1.0	10/13/98	10:46:21
70	87857	0	1.0	10/13/98	10:49:15
71	87858	0	1.0	10/13/98	10:52:09
72	87229	0	1.0	10/13/98	10:55:03
73	ACCV7	0	1.0	10/13/98	10:57:58
74	CCB7	0	1.0	10/13/98	11:00:53
75	PBS101298/7020	0	1.0	10/13/98	11:03:47
76	BSS101298/7020	0	1.0	10/13/98	11:06:40
77	LCSS-238/7020	0	2.0	10/13/98	11:09:33
78	LCSS-238-D/7020	0	2.0	10/13/98	11:12:26
79	87641	0	1.0	10/13/98	11:15:19
80	87641D	0	1.0	10/13/98	11:18:12
81	87641MS	0	1.0	10/13/98	11:21:05
82	87641MSD	0	1.0	10/13/98	11:23:58
83	87111	0	1.0	10/13/98	11:26:51
84	87112	0	1.0	10/13/98	11:29:45
85	ACCV8	0	1.0	10/13/98	11:32:40
86	CCB8	0	1.0	10/13/98	11:35:35
87	87119	0	1.0	10/13/98	11:38:28
88	87120	0	1.0	10/13/98	11:41:20
89	87121	0	1.0	10/13/98	11:44:13
90	87123	0	1.0	10/13/98	11:47:06
91	87619	0	1.0	10/13/98	11:49:59
92	87620	0	1.0	10/13/98	11:52:52
93	87622	0	1.0	10/13/98	11:55:45
94	87625	0	1.0	10/13/98	11:58:38
95	87630	0	1.0	10/13/98	12:01:32
96	87633	0	1.0	10/13/98	12:04:25
97	ACCV9	0	1.0	10/13/98	12:07:19
98	CCB9	0	1.0	10/13/98	12:10:14
99	87634	0	1.0	10/13/98	12:13:08
100	87635	0	1.0	10/13/98	12:16:01
101	87636	0	1.0	10/13/98	12:18:54
102	87637	0	1.0	10/13/98	12:21:49
103	87638	0	1.0	10/13/98	12:24:43
104	87639	0	1.0	10/13/98	12:27:37
105	86399	0	1.0	10/13/98	12:30:31
106	87636	0	5.0	10/13/98	12:33:27
107	87637	0	1.0	10/13/98	12:36:21
108	ACCV10	0	1.0	10/13/98	12:39:16
109	CCB10	0	1.0	10/13/98	12:42:11

Continued on Page

Read and Understood By

Michael Bledsoe — Signed — 10/14/98 — Date

[illegible] — Signed — 10/14/98 — Date

Metals Preparation Logbook

Batch: 7026 **Prep Date:** 12/10/98 **Matrix:** soil

Spike Sources/Lot # Reagent Sources/Lot # Comments:

MS/BS: each w/2ml ICP Pspk 8/31/98 HNO_3: 6623 KAGD

HCl: 5587 TRACH

LCS: #238 H_2O_2: L.G. E/I V340 KVRM

Method (circle one): ICP / 200 / 3010 / 3050 / CLP- / 200DW / Other:

Furnace / 200 / 3020 / 3050 / CLP / 200DW / Other:

	Job	Sample	Init Wgt/ Vol	Final Vol	Comments
1	I045	89253	1.00	100 ml	
2	↓	89254	1.04	↓	
3	↓	89255	1.00	↓	
4	H892	88243	1.00	↓	
5	↓	88244	1.04	↓	
6	↓	88245	1.02	↓	
7	↓	88246	1.00	↓	
8	↓	88248	1.00	↓	
9	H941	88548 (FB)	1.00	↓	
10	↓	88562	1.02	↓	
11	↓	88563	1.01	↓	
12		88564	1.00	↓	
13		88565	1.01	↓	
14	↓	88566	1.00	↓	
15	↓	88567	1.04	↓	
16	HI039	89213	1.01	↓	
17		89214	1.01	↓	
18		89215	1.02	↓	
19		89216	1.02	↓	
20		89217	1.00	↓	
MS	~~88244~~ H892	88244	1.03	100 ml	
MSD	↓	↓	1.02	↓	
D	↓	↓	1.03	↓	
BS	7026	7026	1.00	↓	
PBLK	↓	↓	1.00	↓	
LCSS	↓	↓	1.00	↓	
LCSSD	↓	↓	1.00	↓	

Analyst(s): Lyudmila Geller Reviewed by: [signature]

Form ID:METPRLOG1

304588

Mercury Preparation Logbook

Batch: 7026 Prep Date: 10/12/98

Spike Sources/Lot # MS/BS: HGWI1298 LCS: 235

Reagent Sources/Lot #: H_2SO_4: 5557KVXD HNO_3: 6623KXGD

$KMnO_4$: 66219KD K_2SO_4: NA

Bath Temp NA Start Time: NA End Time: NA

Matrix (circle one): / Water / Soil / TCLP / Other: _____

Method (circle one): / 245.1 / 7470 / 7471 / CLP / 200DW Other _____

	Job	Sample	Init Wgt/ Vol	Final Vol	Comments
1	I045	89253	0.2g+0.2g+0.2g	100mL	
2		254			
3		255			
4	H892	88243			
5		244			
6		245			
7		246			
8		248			
9	H741	88545 (FB)	100mL		
10		562	0.2g+0.2g+0.2g		
11		563			
12		564			
13		565			
14		566			
15		567			
16	I039	89213			
17		214			
18		215			
19		216			
20		217			
MS	H892	88244	0.2g+0.2g+0.2g	100mL	
MSD					
D					
BS		7026			
PBLK					
LCS					
LCSD					

Analyst(s): [illegible] Reviewed by: [illegible]

Form ID:HGPRLOG1

304589

Site: Klockner & Klockner

Lab Job No: H941

Date Sampled: 10/6/98
Date Received: 10/7/98
Matrix: SOIL

Date Analyzed: 10/14/98
QA Batch: 1402

TOTAL ORGANIC CARBON

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
88549	SSGC-1_1-4	8.3	2.0	8720

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

304590

TOTAL ORGANIC CARBON

Matrix: SOLID

Lab Sample No.: 88329

QA Batch No: 1402

Lab Job No.: H911

Laboratory Blank	
Blank Conc. (mg/kg)	Quant Limit (mg/kg)
ND	100

Sample Replicates				
#1 (mg/kg)	#2 (mg/kg)	#3 (mg/kg)	#4 (mg/kg)	AVG (mg/kg)
61300	67400	75500	74100	69575

Standard Deviation	%RSD	Control Limits
6552.04	9.42	26.3

LCS				
Vendor Name	Lot #	Mean Value (mg/kg)	Range (mg/kg)	Measured Value (mg/kg)
ERA	6103	22500	18000-27000	19200

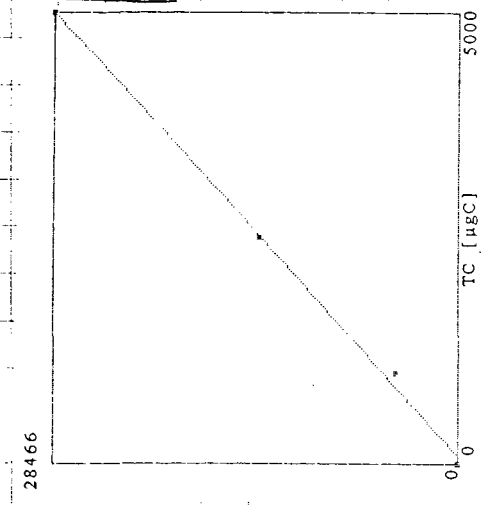
304591

PROJECT TOC

Notebook No. 01123

Continued From Page

Batch	Job	Sample	#	Dil	Sample amt(g)	Readout	% solid	Results	spk	% Rec



CAL CURVE F# 2
TC 4-POINT
PROTECTED
LEAST SQUARES r=0.999

[CONDITIONS]
RANGE : x5
CELL LENGTH : W-SHORT
DATE : 10(OCT)-14-1998
[DATA]

STD CONC	AMNT	µgC	AREA	#
5000ppm	1000mg	5000	28466	1
2500ppm	1000mg	2500	14156	1
1000ppm	1000mg	1000	4414	1
0.0ppm	1000mg	0.0	0	1

Batch	Job	Sample	#	Dil	Sample amt(g)	Readout	% solid	Results	spk	% Rec
		ICV	1			1433		1430	1500	95
		ICB	2			99.43		ND		
		PB	3			99.43		ND		
1402	H941	88549	4	2x	0.5046	7992	91.7	8720		
	H950	88670	5	4x	0.2519	12311	82.6	14900		
		88673	6	4x	0.2600	5430	81.5	6663		
		88680	7		low range	390.8	96.3			
	I052	89302	8	4x	0.2621	13987	86.3	16210		
	I099	89621	9	10x	0.1025	36922	51.1	72200		
		89622	10	10x	0.0928	40983	50.7	80800		
		89623	11	20x	0.0505	66157	44.7	148000		
		89624	12	20x	0.0547	44904	54.9	81800		
		CCV	13			1600		1600	1500	107
		CCB	14			99.43		ND		
		89625	15	2x	0.4960	3339	80.6	4140		
		89626	16		0.9840	2771	87.0	3180		
		CCV	17			1503		1500	1500	100%
		CCB	18			99.43		ND		

Continued on Page

Read and Understood By 304592

Signed [signature] Date 10/14/98 Signed Date

Site: Klockner & Klockner

Lab Job No: H941

Date Sampled: 10/6/98
Date Received: 10/7/98
Matrix: WATER

Date Extracted: 10/12/98
Date Analyzed: 10/12/98
QA Batch: 4639

TOTAL PETROLEUM HYDROCARBONS (418.1)

Envirotech Sample #	Client ID	Dilution Factor	Analytical Result Units: mg/l
88548	FB-1	1.0	ND

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 1.0 mg/l for an undiluted sample.

304593

Site: Klockner & Klockner

Lab Job No: H941

Date Sampled: 10/6/98
Date Received: 10/7/98
Matrix: SOIL

Date Extracted: 10/12/98
Date Analyzed: 10/12/98
QA Batch: 4645

TOTAL PETROLEUM HYDROCARBONS (418.1)

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
88562	SSNDS-1A_0-0.5	11.1	1.0	374
88563	SSNDS-2A_0-0.5	11.2	1.0	225
88565	SSFS-1_0-0.5	10.8	1.0	823

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 25.0 mg/kg for an undiluted sample.

304594

PETROLEUM HYDROCARBONS

Matrix: SOLID

Lab Sample No.: 86712

QA Batch No.: 4645

Lab Job No.: H691

Laboratory Blank	
Blank Conc Units: mg/kg	Quant Limit Units: mg/kg
ND	25.0

Matrix Spike				
Spike Added Units: mg/kg	Sample Conc Units: mg/kg	MS Conc Units: mg/kg	MS % Rec	QC Limits Rec
580.0	295.0	842.0	94.3	72.1-117

Matrix Spike Duplicate					
Spike Added Units: mg/kg	MSD Conc Units: mg/kg	MSD % Rec	% RPD	QC LIMITS RPD	REC
580.0	889.0	102.0	5.4	17.2	72.1-117

SPIKE ADDED CONCENTRATION is adjusted for % Solids

Blank Spike			
Spike Conc Units: mg/kg	BS Conc Units: mg/kg	% Rec	QC Limits Rec
535.0	520.0	97.2	84.1-112

304595

PETROLEUM HYDROCARBONS

Matrix: WATER

Lab Sample No.: 89633

QA Batch No.: 4639

Lab Job No.: I101

Laboratory Blank	
Blank Conc Units: mg/l	Quant Limit Units: mg/l
ND	1.0

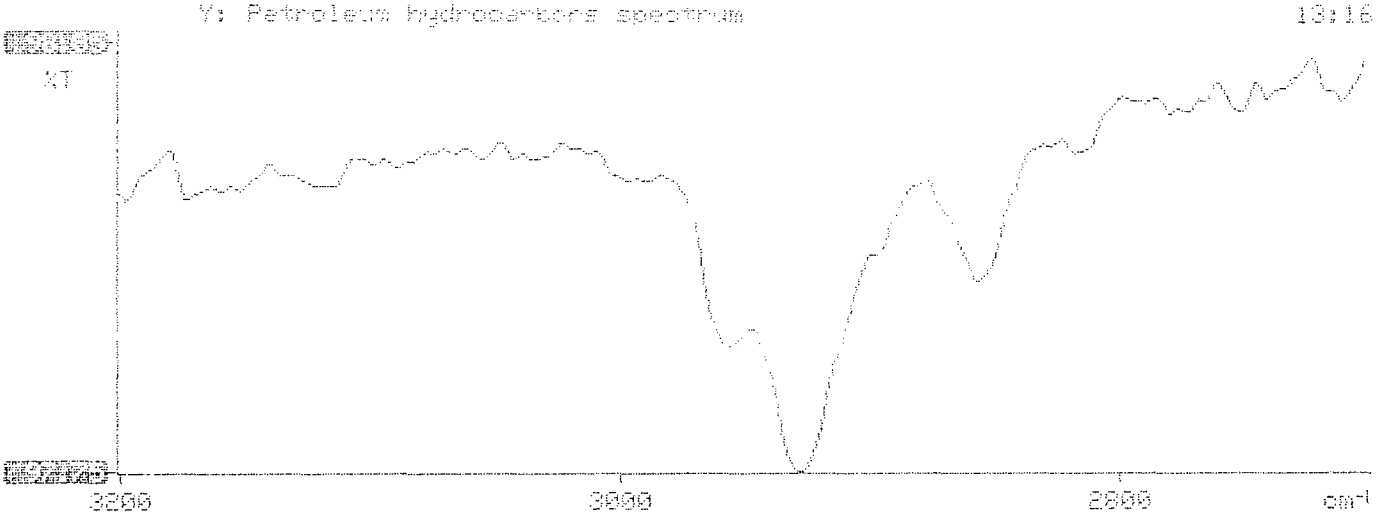
Matrix Spike				
Spike Added Units: mg/l	Sample Conc Units: mg/l	MS Conc Units: mg/l	MS % Rec	QC Limits Rec
4.0	ND	3.9	97.5	62.8-144

Matrix Spike Duplicate					
Spike Added Units: mg/l	MSD Conc Units: mg/l	MSD % Rec	% RPD	QC LIMITS RPD	REC
4.0	4.2	105.0	7.4	16.9	62.8-144

Blank Spike			
Spike Conc Units: mg/l	BS Conc Units: mg/l	BS % Rec	QC LIMIT %REC
4.0	4.2	105.0	90-110

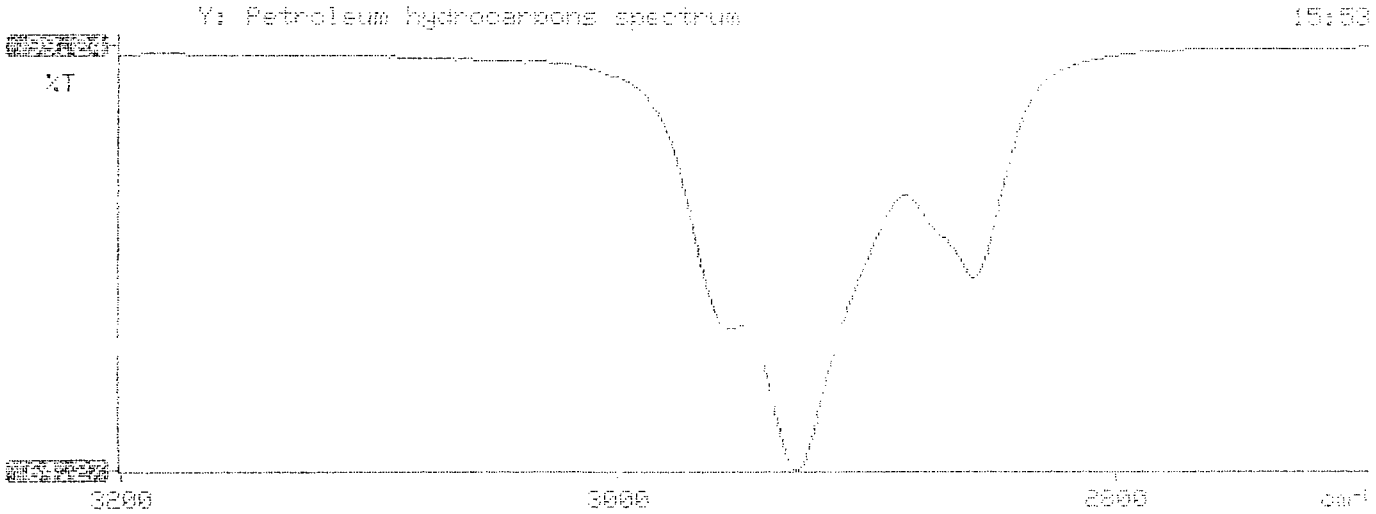
304596

```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                 in Water and Soil                 *
*                                                   *
*           Perkin-Elmer Model 1600 FT-IR           *
*                  Analysis Report                  *
*****************************************************
*
 98/10/12  13:16
*
*  Sample identification
 88548
*
*  Initial mass of sample, g
 960.000
*
*  Volume of sample after extraction, ml
 100.000
*
* dilution factor, 1 = no dilution
 1.000
*
* percent solids, 100% = dry soil or water sample
 100.000
*
*  Petroleum hydrocarbons, ppm
 0.111
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.004
*
*
*
```



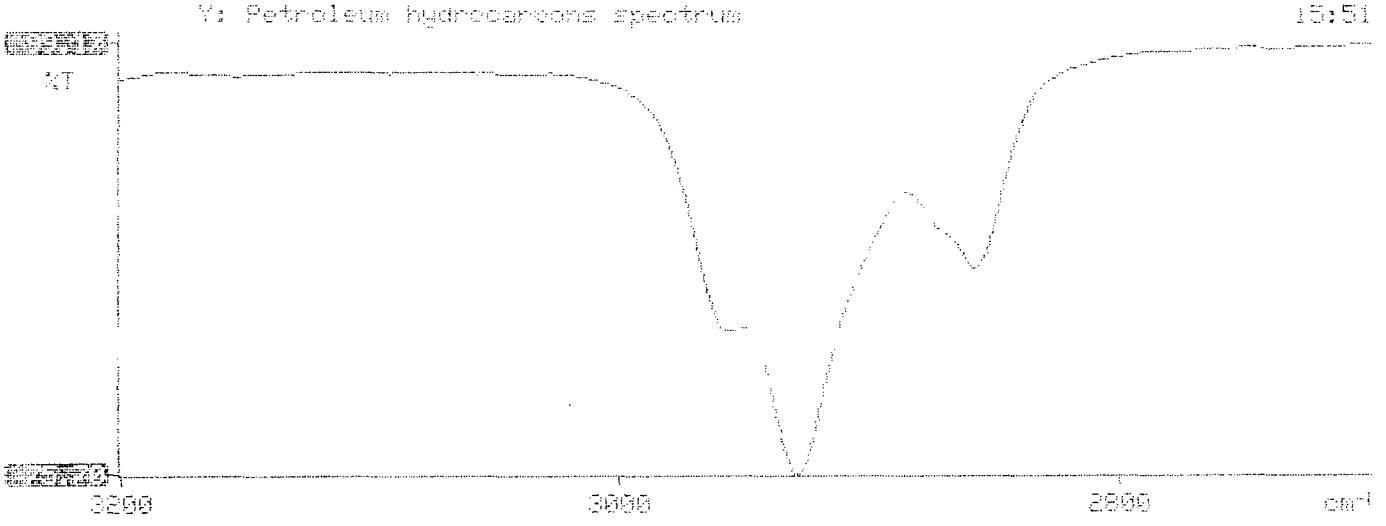
304597

```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                  in Water and Soil                *
*                                                   *
*            Perkin-Elmer Model 1600 FT-IR          *
*                   Analysis Report                 *
*****************************************************
*
 98/10/12  15:52
*
*  Sample identification
 88562
*
*  Initial mass of sample, g
 30.000
*
*  Volume of sample after extraction, ml
 100.000
*
* dilution factor, 1 = no dilution
 1.000
*
* percent solids, 100% = dry soil or water sample
 88.900
*
*  Petroleum hydrocarbons, ppm
 373.650
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.187
*
*
*
```



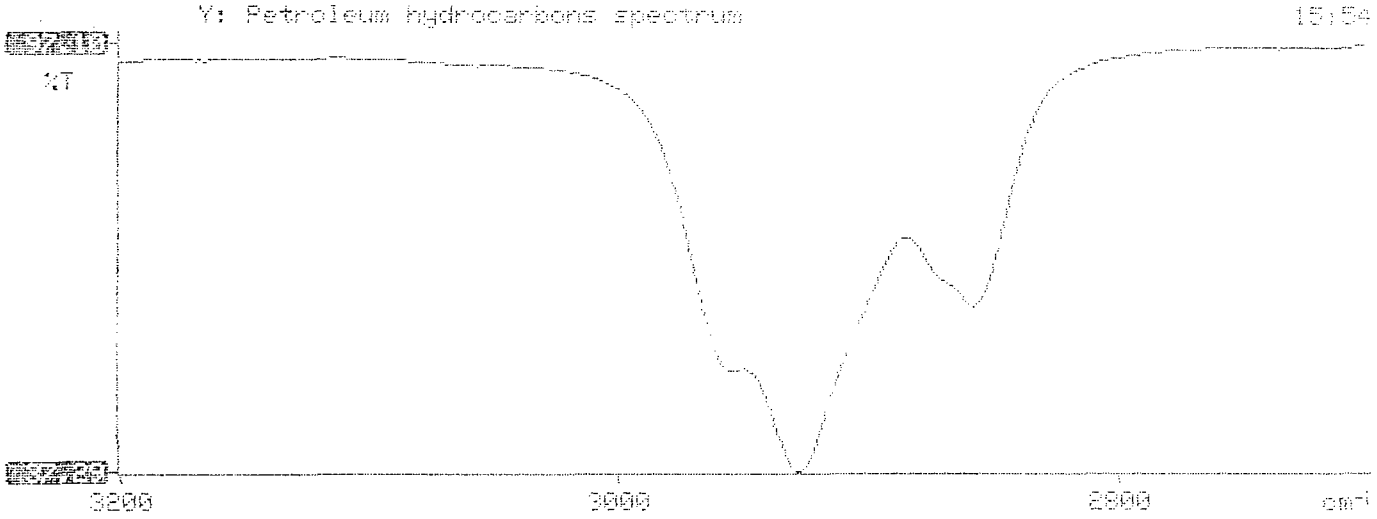
304598

```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                  in Water and Soil                *
*                                                   *
*            Perkin-Elmer Model 1600 FT-IR          *
*                   Analysis Report                 *
*****************************************************
*
 98/10/12  15:51
*
*  Sample identification
 88563
*
*  Initial mass of sample, g
 30.000
*
*  Volume of sample after extraction, ml
 100.000
*
* dilution factor, 1 = no dilution
 1.000
*
* percent solids, 100% = dry soil or water sample
 88.800
*
*  Petroleum hydrocarbons, ppm
 224.917
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.113
*
*
*
```



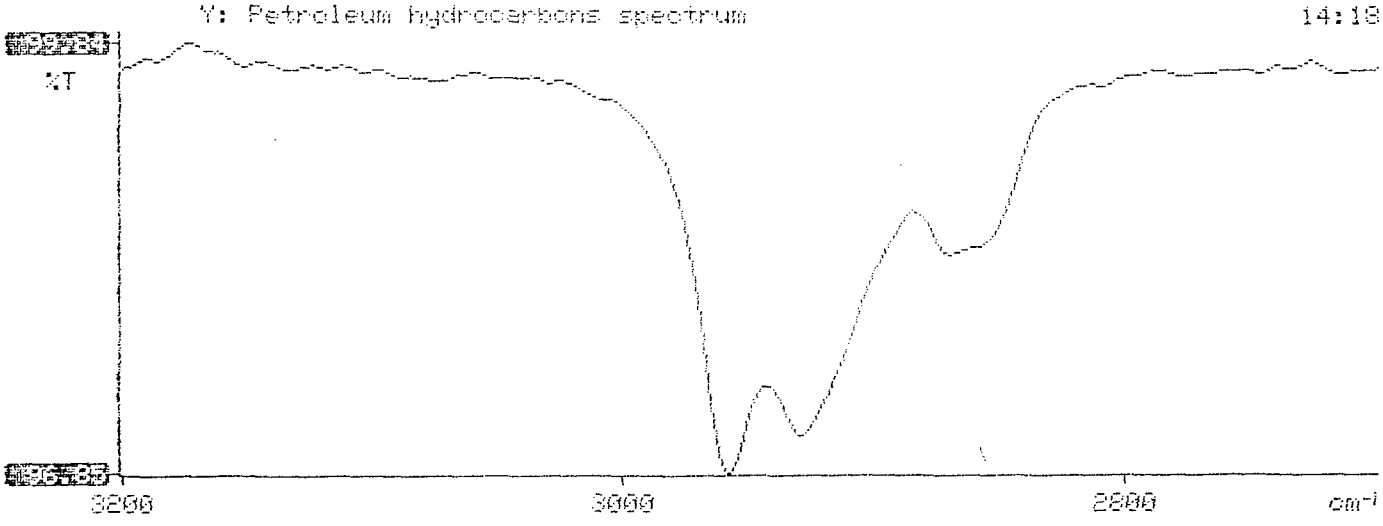
304599

```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                  in Water and Soil                *
*                                                   *
*            Perkin-Elmer Model 1600 FT-IR          *
*                   Analysis Report                 *
*****************************************************
*
 98/10/12  15:54
*
*  Sample identification
 88565
*
*  Initial mass of sample, g
 30.000
*
*  Volume of sample after extraction, ml
 100.000
*
* dilution factor, 1 = no dilution
 1.000
*
* percent solids, 100% = dry soil or water sample
 89.200
*
*  Petroleum hydrocarbons, ppm
 822.689
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.410
*
*
*
```



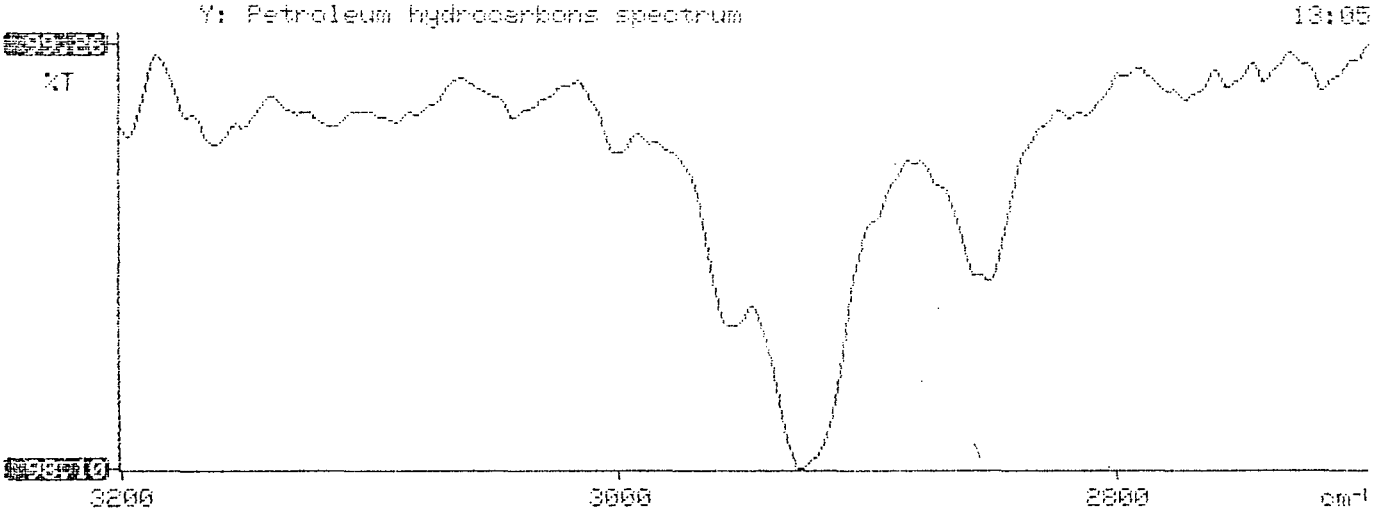
304600

```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                 in Water and Soil                 *
*                                                   *
*           Perkin-Elmer Model 1600 FT-IR           *
*                   Analysis Report                 *
*****************************************************
*
 98/10/12  14:18
*
*  Sample identification
 10/12/98 PBS
*
*  Initial mass of sample, g
 30.000
*
*  Volume of sample after extraction, ml
 100.000
*
* dilution factor, 1 = no dilution
 1.000
*
* percent solids, 100% = dry soil or water sample
 100.000
*
*  Petroleum hydrocarbons, ppm
 16.481
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.011
*
*
*
```



304601

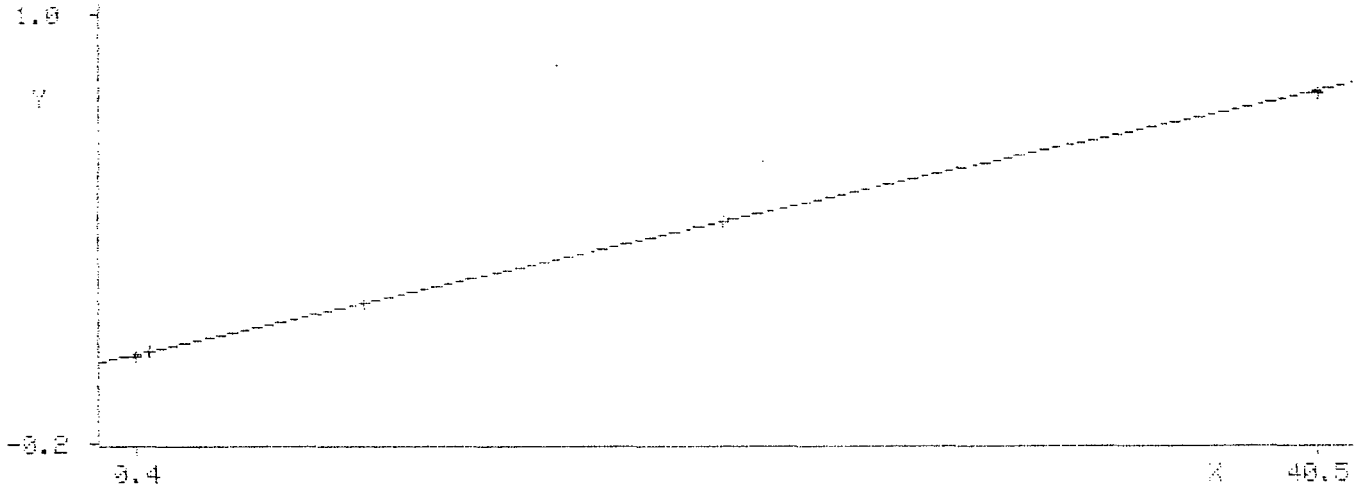
```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                  in Water and Soil                *
*                                                   *
*            Perkin-Elmer Model 1600 FT-IR          *
*                   Analysis Report                 *
*****************************************************
*
 98/10/12  13:05
*
*  Sample identification
 10/12/98 CBJ
*
*  Initial mass of sample, g
 1000.000
*
*  Volume of sample after extraction, ml
 100.000
*
* dilution factor, 1 = no dilution
 1.000
*
* percent solids, 100% = dry soil or water sample
 100.000
*
*  Petroleum hydrocarbons, ppm
 0.135
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.005
*
*
*
```



304602

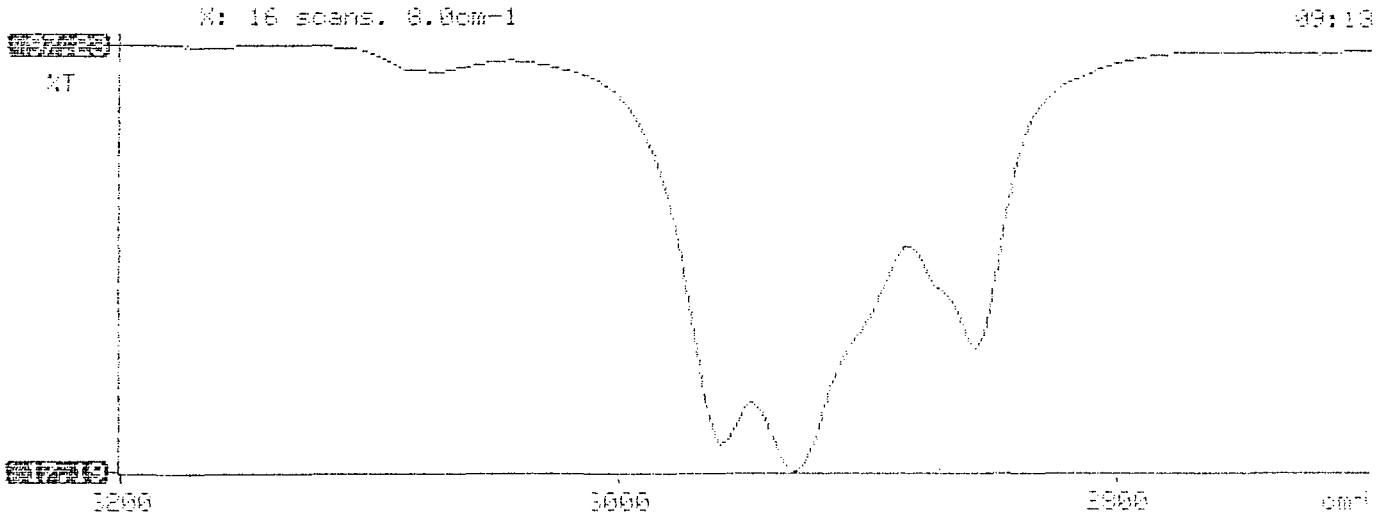
```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                 in Water and Soil                 *
*                                                   *
*            Perkin-Elmer Model 1600 FT-IR          *
*                  Calibration Report               *
*****************************************************
*
 98/10/12  09:12
*
*
*  Concentrations of standards, mg/100 ml
 40.500
 20.250
 8.100
 0.810
 0.405
*
*
*  Net absorbance of standards
 0.751
 0.380
 0.153
 0.016
 0.008
*
*
*
```

LSF: slope 0.019; y-intercept 0.008; correlation 0.99998



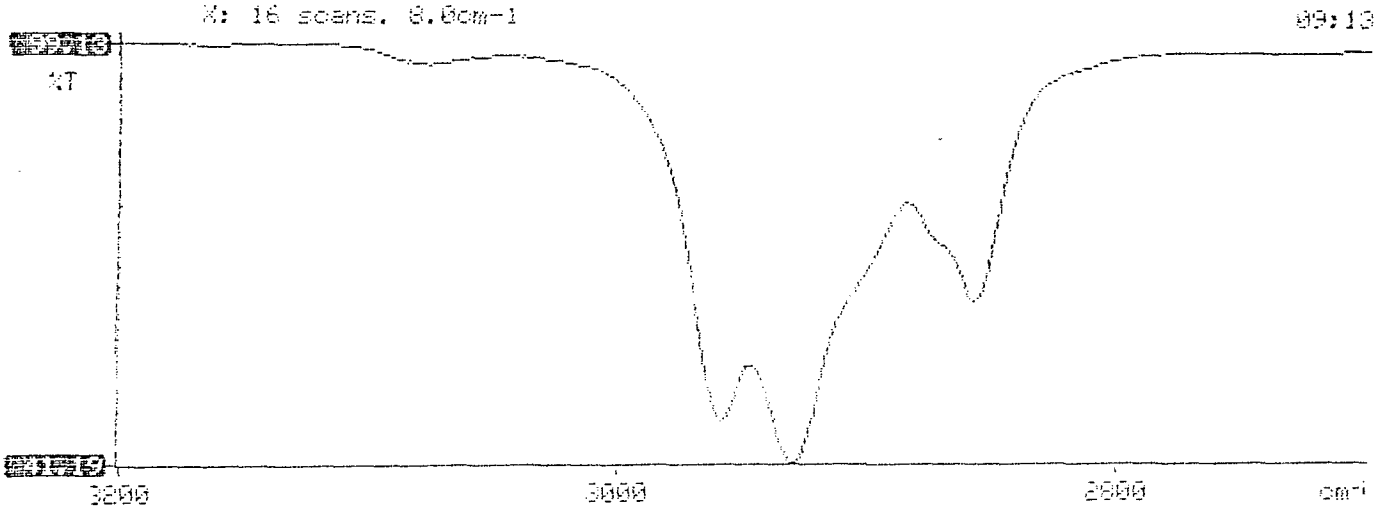
304603

```
*****************************************************
*              Envirotech Research, Inc.            *
*                                                   *
*                   Test Method for                 *
*     Oil and Grease and Petroleum Hydrocarbons     *
*                 in Water and Soil                 *
*                                                   *
*           Perkin-Elmer Model 1600 FT-IR           *
*           Calibration Standards Spectra           *
*****************************************************
*
 98/10/12  09:13
*
*
*
*
*  Concentration of standard, mg/100 ml
 40.500
*
*
*
*
*  Net absorbance of standard
 0.751
*
*
*
*
*
```

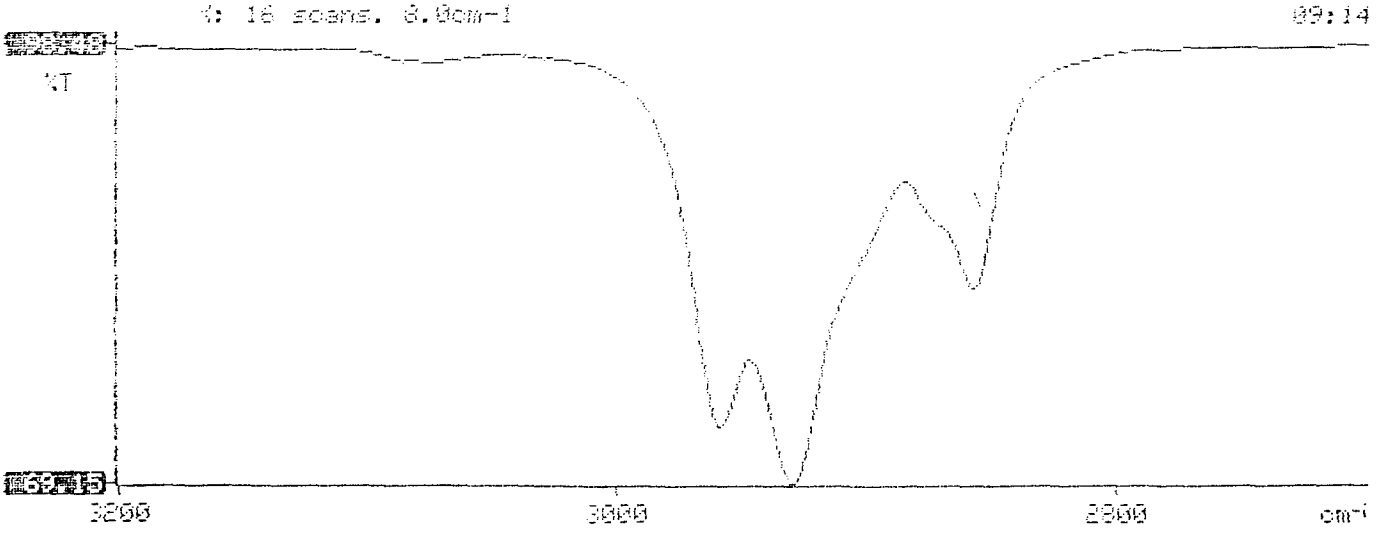


304604

*
*
* Concentration of standard, mg/100 ml
20.250
*
*
* Net absorbance of standard
0.380
*
*
*

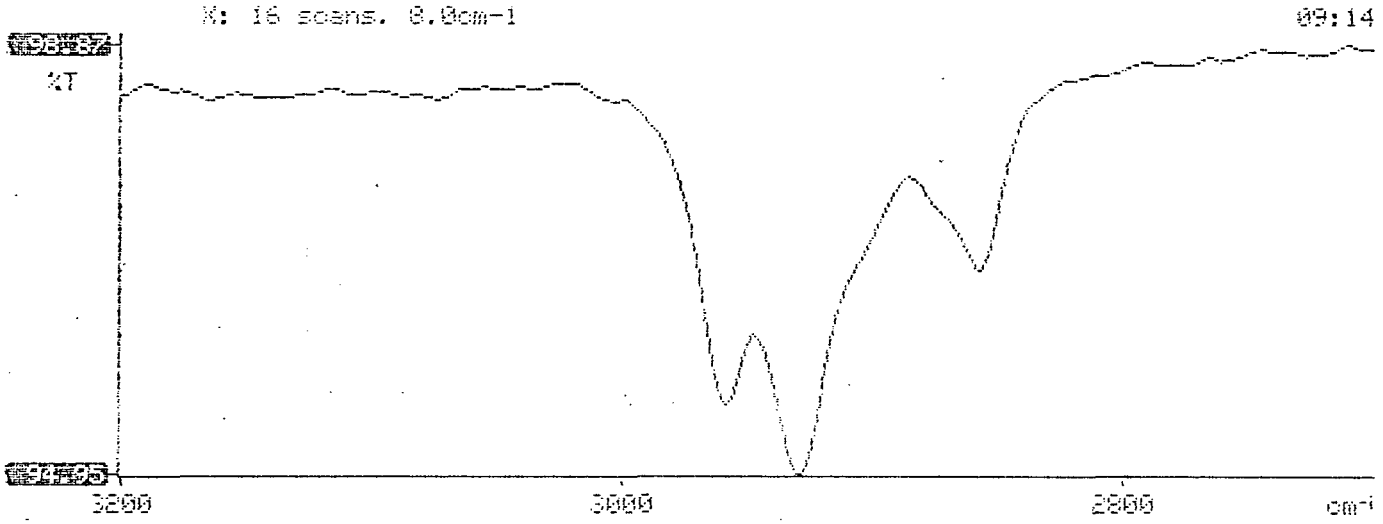


*
*
* Concentration of standard, mg/100 ml
8.100
*
*
* Net absorbance of standard
0.153
*
*
*



304605

*
* Concentration of standard, mg/100 ml
0.810
*
*
* Net absorbance of standard
0.016
*
*
*



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* Concentration of standard, mg/100 ml
0.405
*
*
* Net absorbance of standard
0.008
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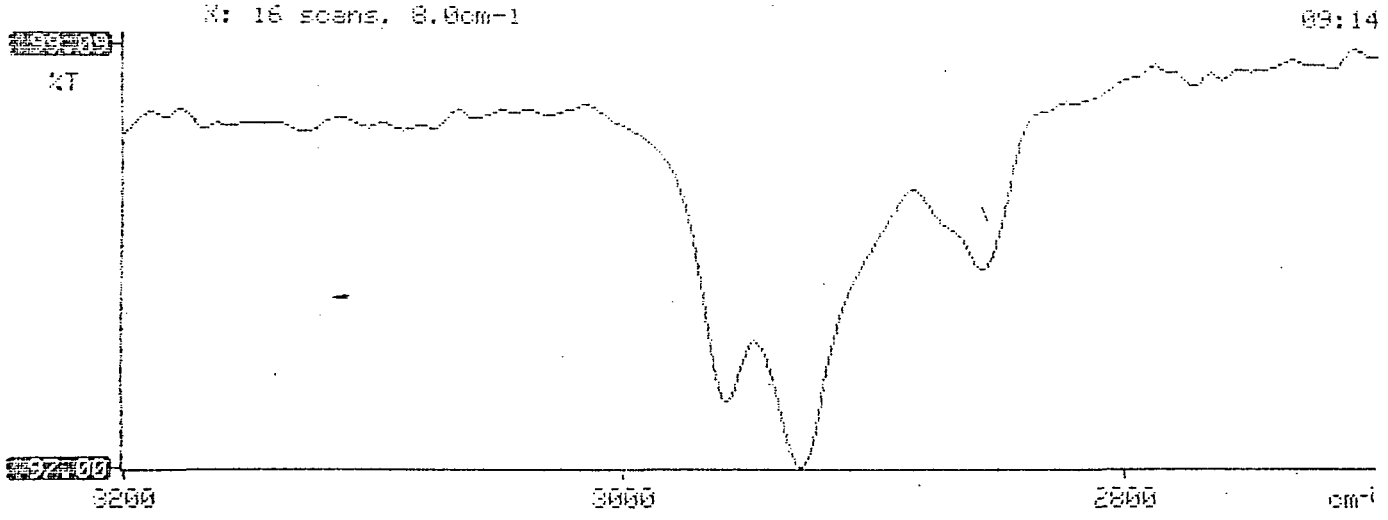
*



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